

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056621.D
 Acq On : 9 Jul 2019 10:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:00 AM

Quant Time: Jul 09 13:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55335	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	304355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	264974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	112293	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	121902	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	372101	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	55292	19.925	ug/l 98
3) Chloromethane	2.06	50	73545	18.261	ug/l 99
4) Vinyl Chloride	2.18	62	72882	19.227	ug/l 100
5) Bromomethane	2.53	94	44782m	22.142	ug/l
6) Chloroethane	2.68	64	42317	20.159	ug/l 97
7) Trichlorofluoromethane	3.00	101	95470	19.622	ug/l 99
8) Diethyl Ether	3.40	74	39459	19.119	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61453	19.933	ug/l 95
10) 1,1-Dichloroethene	3.73	96	59413	19.642	ug/l 96
11) Methyl Iodide	3.95	142	73007	16.878	ug/l 99
12) Methyl Acetate	4.32	43	74787	18.334	ug/l 98
13) Acrolein	3.60	56	32938	82.701	ug/l 99
14) Acrylonitrile	4.99	53	164616	91.907	ug/l 99
15) Acetone	3.82	58	61900	123.862	ug/l 94
16) Carbon Disulfide	4.05	76	139869	19.231	ug/l 100
17) Allyl chloride	4.32	41	99703	18.836	ug/l 97
18) Methylene Chloride	4.55	84	68667	19.201	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	62451	19.036	ug/l 88
20) Diisopropyl ether	5.95	45	211751	19.363	ug/l 96
21) 1,1-Dichloroethane	5.84	63	117986	19.126	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	74624	19.343	ug/l 96
23) tert-Butyl Alcohol	4.78	59	56193	83.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	189497	18.941	ug/l 99
25) Chloroform	7.37	83	118247	19.556	ug/l 100
26) Cyclohexane	7.65	56	108871	19.160	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	87274	19.419	ug/l 98
30) 2-Butanone	6.83	43	260486	104.548	ug/l 97
31) 2,2-Dichloropropane	6.82	77	85851	19.866	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	92649	19.337	ug/l 98
33) Carbon Tetrachloride	7.77	117	79186	19.496	ug/l 99
34) Benzene	8.04	78	274022	19.498	ug/l 98
35) Methacrylonitrile	7.17	41	41731	18.860	ug/l 96
36) 1,2-Dichloroethane	8.12	62	88650	19.408	ug/l 96
37) Trichloroethene	8.83	130	71452	19.494	ug/l 92
38) Methylcyclohexane	9.08	83	109645	19.467	ug/l 99
39) 1,2-Dichloropropane	9.12	63	73654	19.469	ug/l 98
40) Dibromomethane	9.21	93	45631	19.512	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	84318	19.454	ug/l	99
42) Vinyl Acetate	5.89	43	851254	95.953	ug/l	98
43) Ethyl Acetate	6.93	43	89491	18.568	ug/l	94
44) Isopropyl Acetate	8.16	43	142699	18.977	ug/l	99
45) 1,4-Dioxane	9.20	88	27455	373.145	ug/l	88
46) Methyl methacrylate	9.20	41	66860	18.096	ug/l	95
47) n-amyl Acetate	12.07	43	110759	17.721	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	89772	19.325	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	104459	19.496	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67636	19.632	ug/l	97
51) Ethyl methacrylate	10.43	69	99921	18.415	ug/l	98
52) 1,3-Dichloropropane	10.71	76	112603	19.235	ug/l	98
53) Dibromochloromethane	10.90	129	66671	19.744	ug/l	97
54) 1,2-Dibromoethane	11.00	107	67452	18.790	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	255256	92.321	ug/l	98
56) Bromoform	12.12	173	46704	19.035	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	443959	93.187	ug/l	96
59) 2-Hexanone	10.75	43	344878	97.554	ug/l	99
61) Tetrachloroethene	10.63	164	67881	20.410	ug/l	98
62) Toluene	10.15	91	288651	19.519	ug/l	99
64) Chlorobenzene	11.43	112	176819	19.846	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	63497	19.789	ug/l	99
66) Ethyl Benzene	11.51	91	307620	19.185	ug/l	98
67) m/p-Xylenes	11.62	106	233605	39.477	ug/l	96
68) o-Xylene	11.94	106	113086	19.324	ug/l	97
69) Styrene	11.96	104	186795	19.185	ug/l	98
70) Isopropylbenzene	12.25	105	302499	19.811	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	95689	18.956	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	82225m	19.370	ug/l	
73) Bromobenzene	12.52	156	75861	19.264	ug/l	91
74) n-propylbenzene	12.59	91	338502	19.541	ug/l	97
75) 2-Chlorotoluene	12.67	91	203310	19.627	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	255580	19.767	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	24452	17.983	ug/l	97
78) 4-Chlorotoluene	12.77	91	195340	19.390	ug/l	97
79) tert-butylbenzene	12.99	119	215916	19.545	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	252557	19.777	ug/l	98
81) sec-Butylbenzene	13.17	105	285075	19.460	ug/l	98
82) p-Isopropyltoluene	13.29	119	257779	19.572	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	126935	19.410	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119979	19.019	ug/l	99
85) n-Butylbenzene	13.61	91	208581	18.845	ug/l	98
86) Hexachloroethane	13.87	117	38207	19.239	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	127678	19.226	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15566	17.209	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	61858	16.852	ug/l	97
90) Hexachlorobutadiene	15.01	225	44923	19.698	ug/l	99
91) Naphthalene	15.13	128	162514	15.777	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66354	17.220	ug/l	100

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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

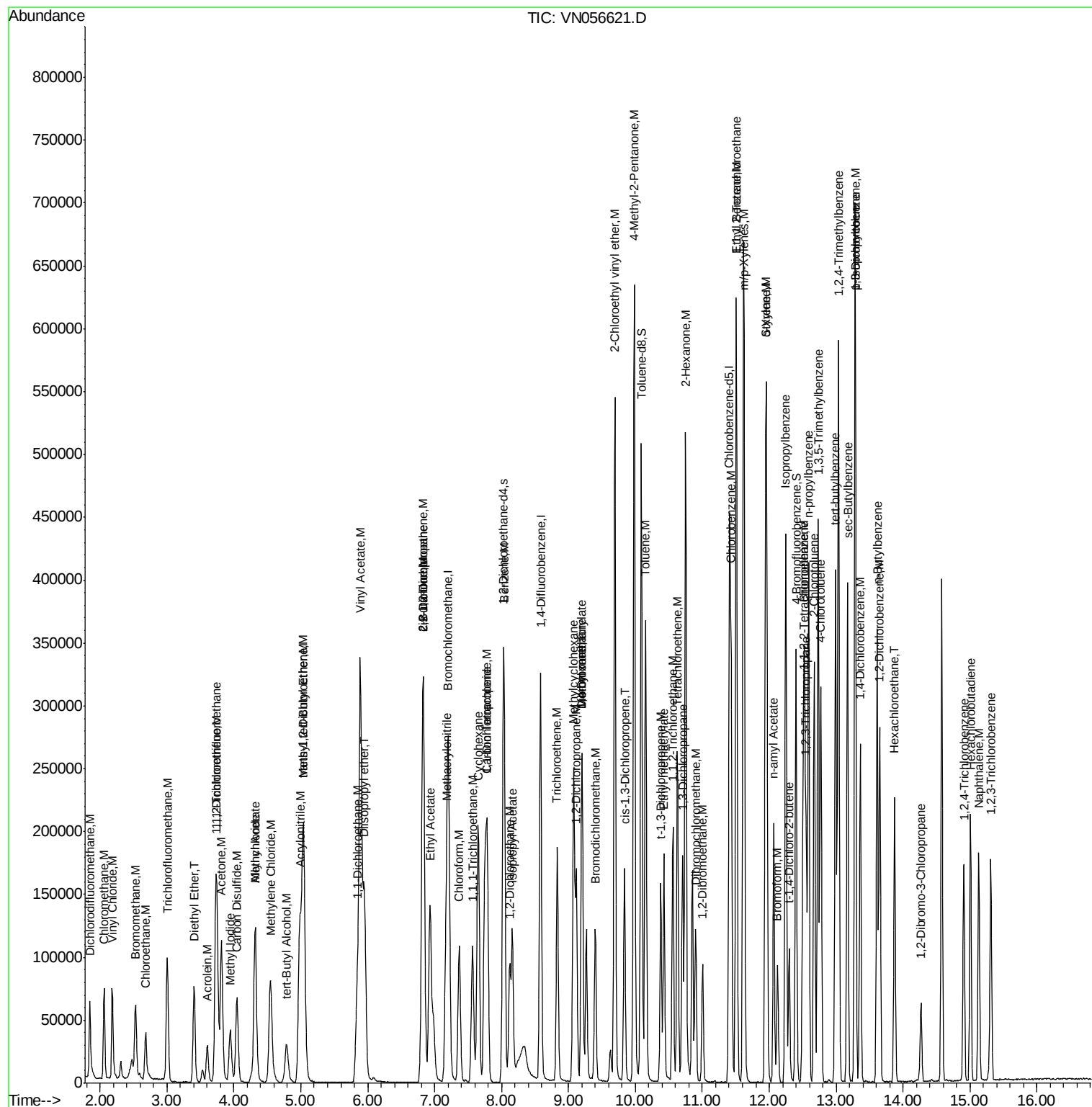
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
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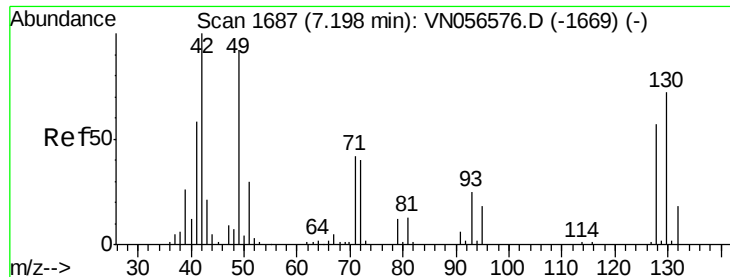
Instrument :
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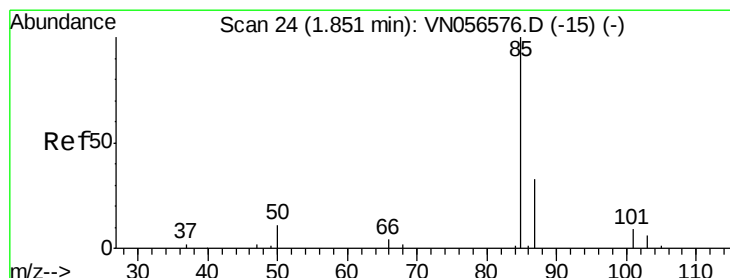
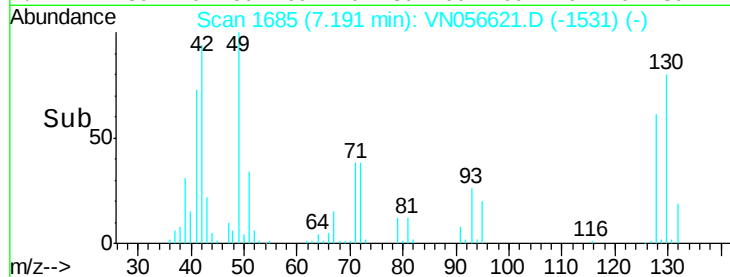
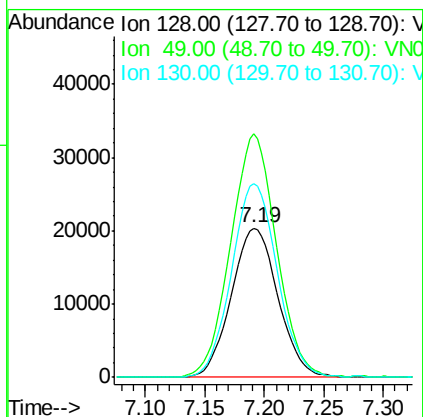
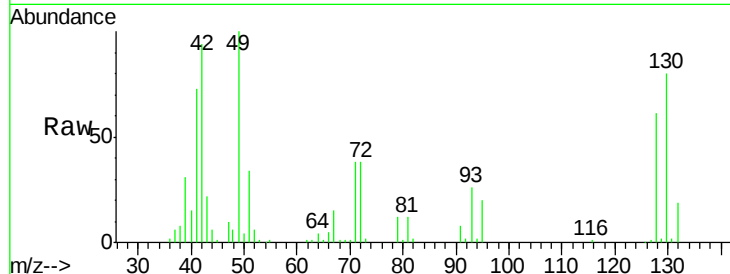
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.9	0.0	355.8
130	127.8	0.0	326.3

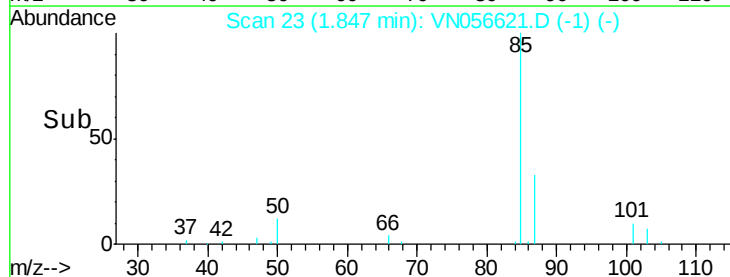
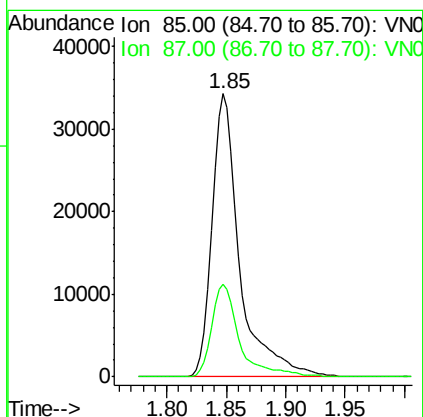
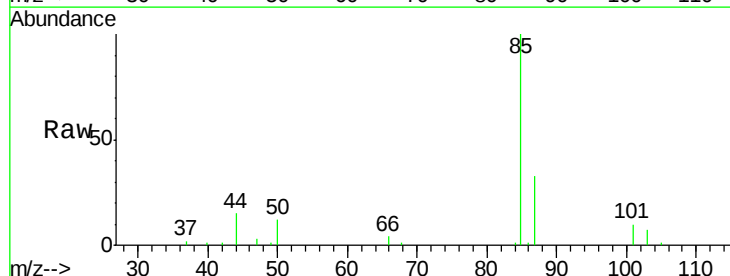
Manual Integrations
APPROVED

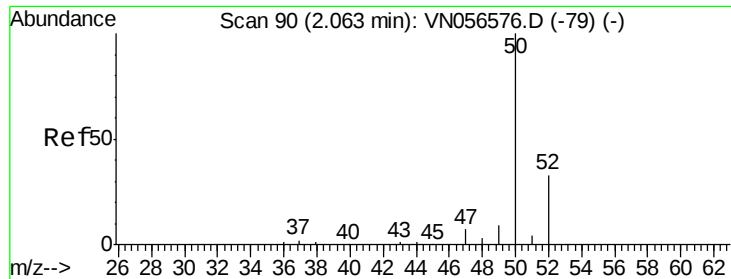
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#2
Dichlorodifluoromethane
Concen: 19.925 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.9	47.7





#3

Chloromethane

Concen: 18.261 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 73545

Ion Ratio Lower Upper

50 100

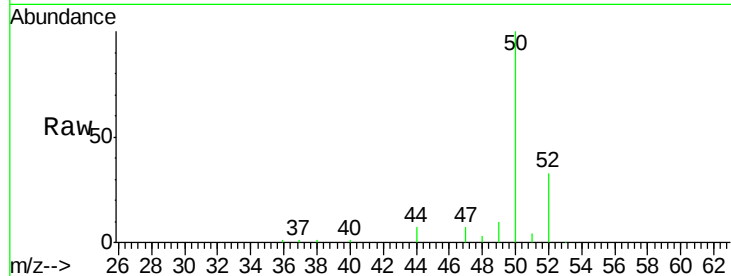
52 33.1 26.7 40.1

Manual Integrations

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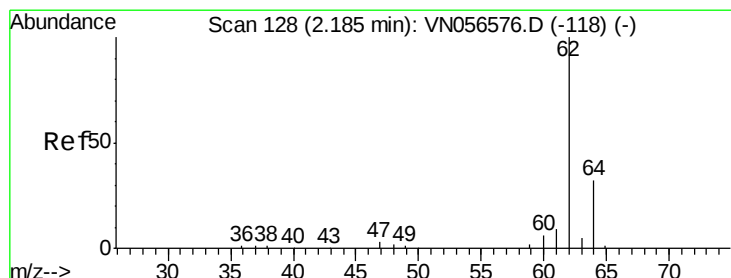
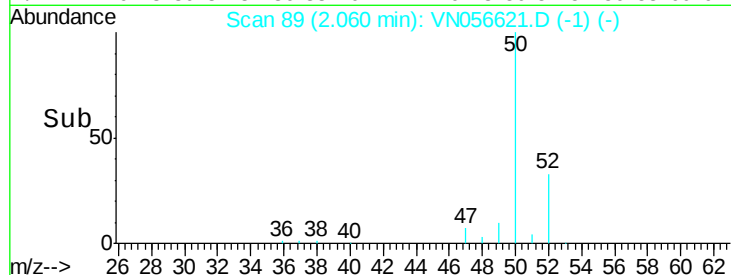
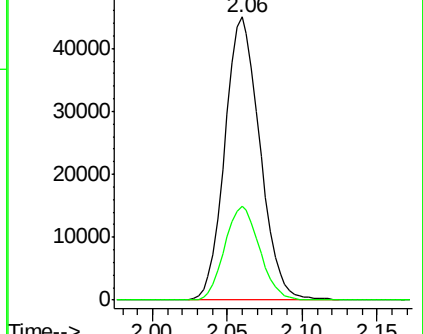
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056621.D

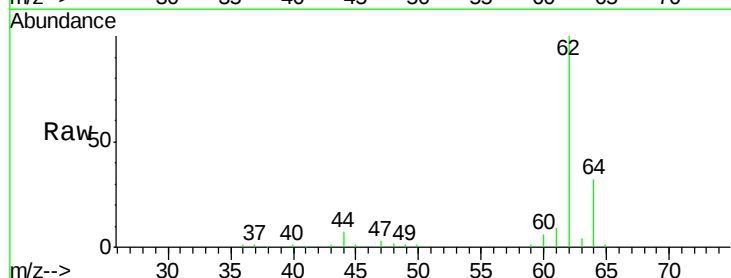
Acq: 9 Jul 2019 10:04

Tgt Ion: 62 Resp: 72882

Ion Ratio Lower Upper

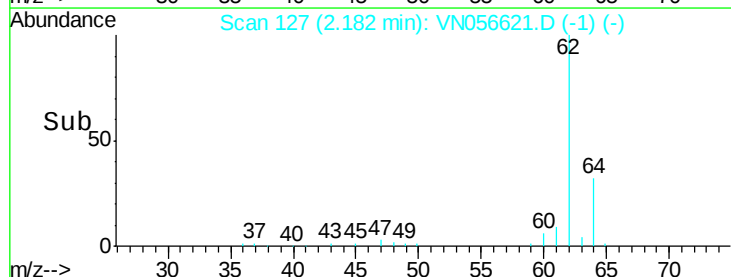
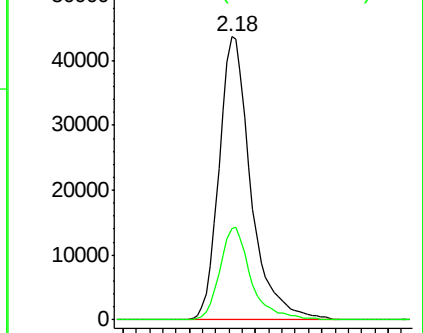
62 100

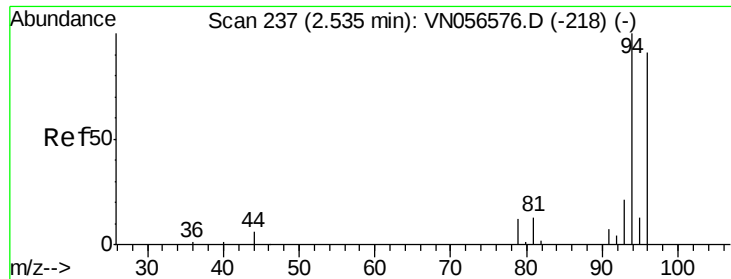
64 32.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 22.142 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 44782

Ion Ratio Lower Upper

94 100

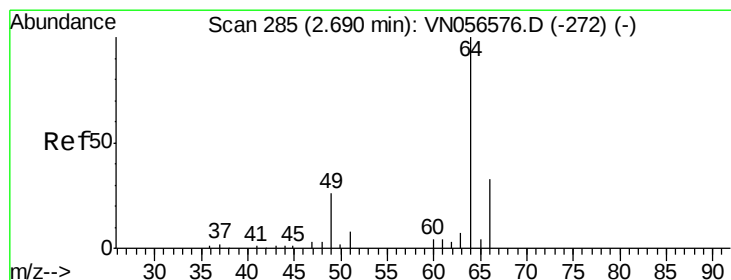
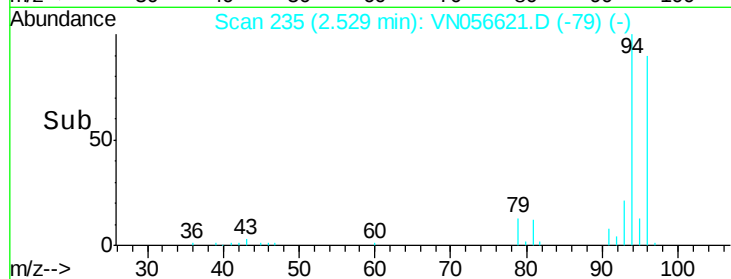
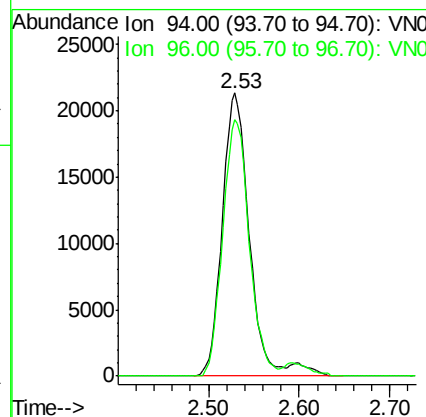
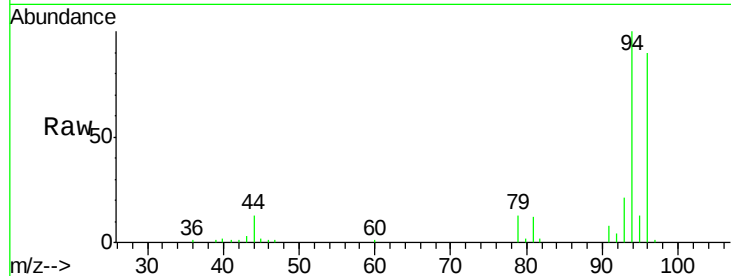
96 90.4 74.1 111.1

Manual Integrations

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7/10/2019 9:18:00 AM



#6

Chloroethane

Concen: 20.159 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN056621.D

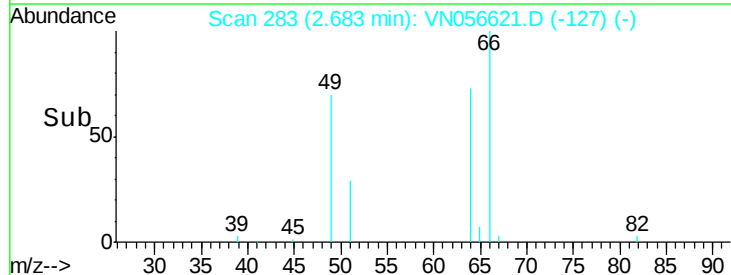
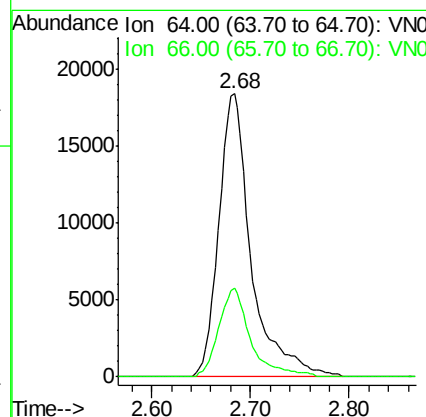
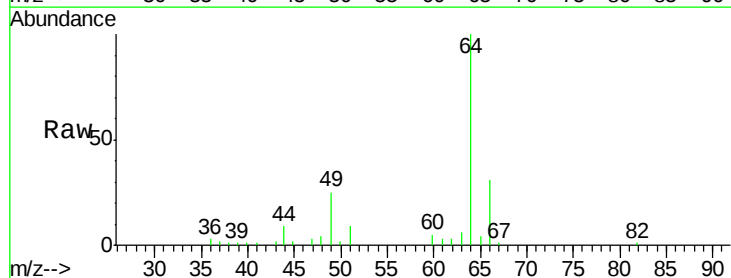
Acq: 9 Jul 2019 10:04

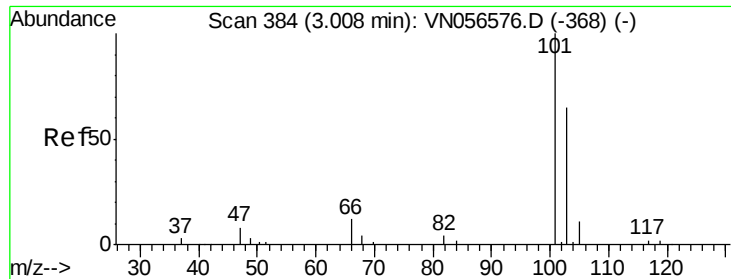
Tgt Ion: 64 Resp: 42317

Ion Ratio Lower Upper

64 100

66 31.4 23.7 35.5





#7

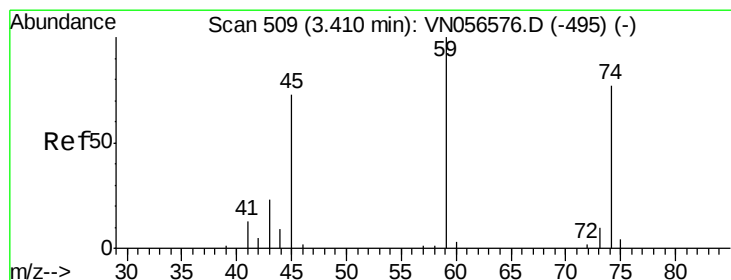
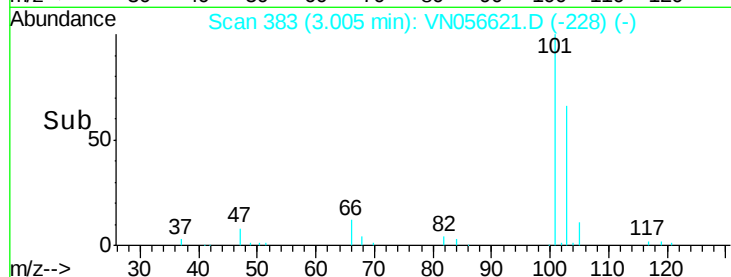
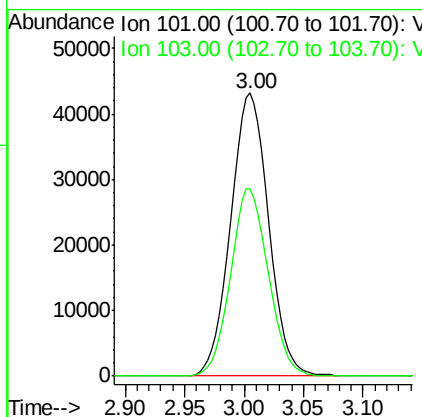
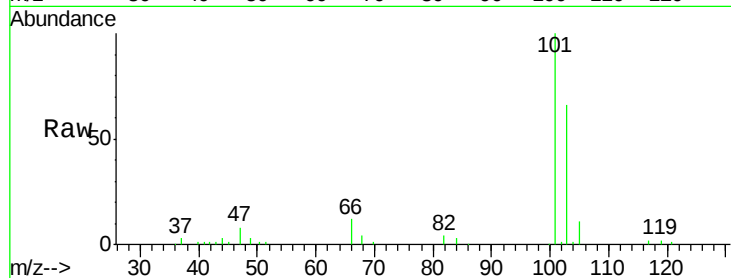
Trichlorofluoromethane
 Concen: 19.622 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
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Tot Ion	101	Resp	95470
Ion Ratio	Lower	Upper	
101	100		
103	66.3	53.4	80.0

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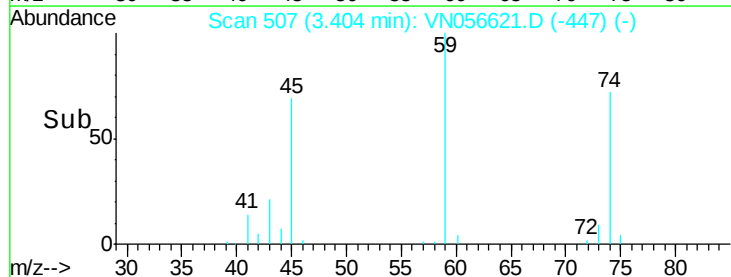
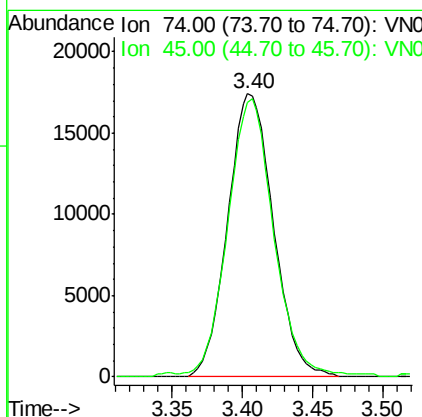
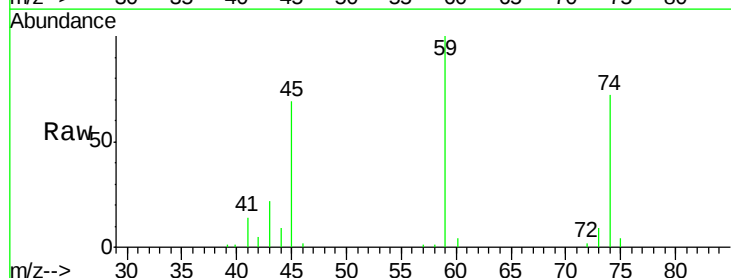
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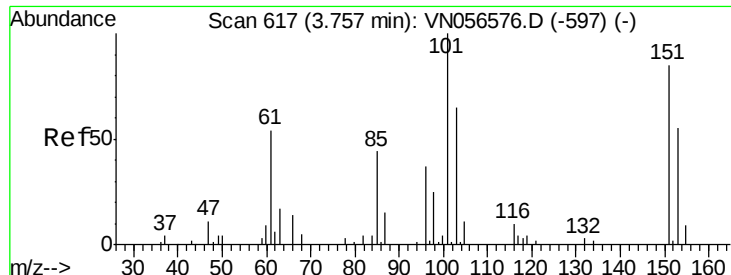


#8

Diethyl Ether
 Concen: 19.119 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	74	Resp	39459
Ion Ratio	Lower	Upper	
74	100		
45	99.2	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.933 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

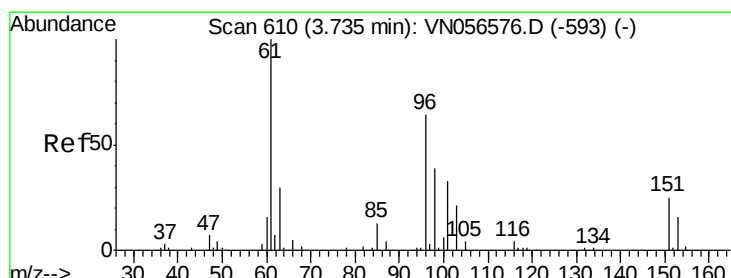
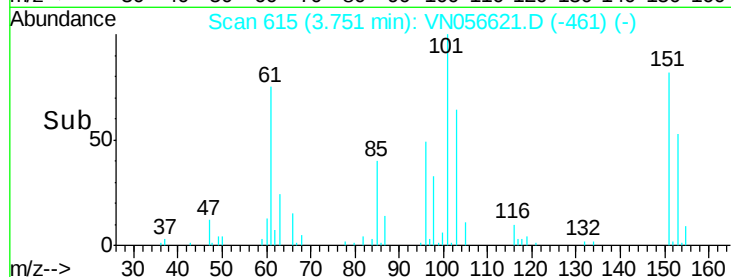
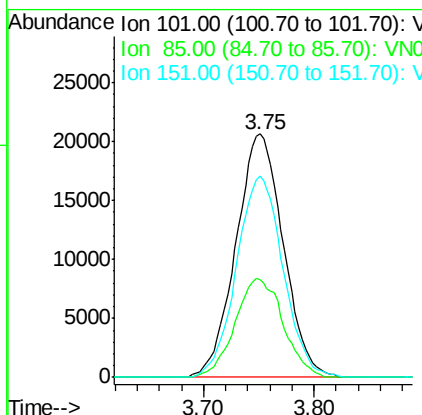
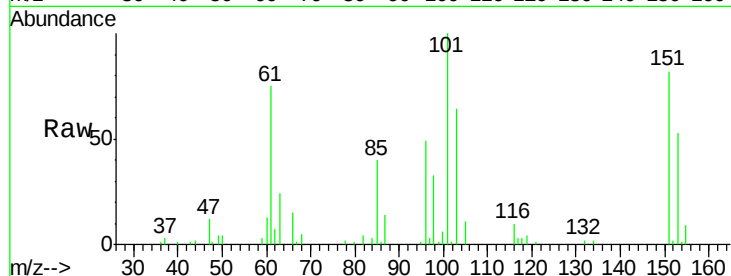
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	61453
Ion Ratio	Lower	Upper	
101	100		
85	41.1	0.0	82.0
151	81.4	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 19.642 ug/l

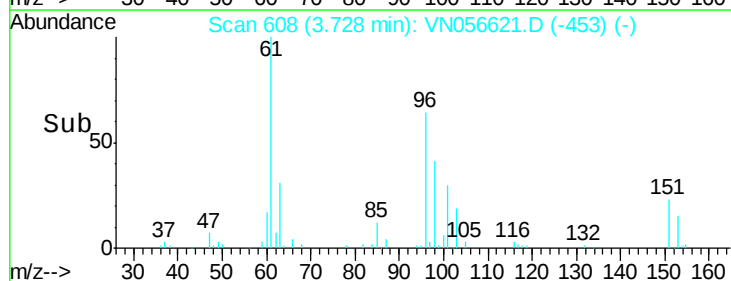
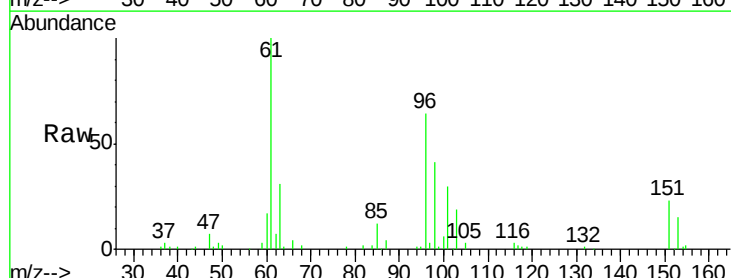
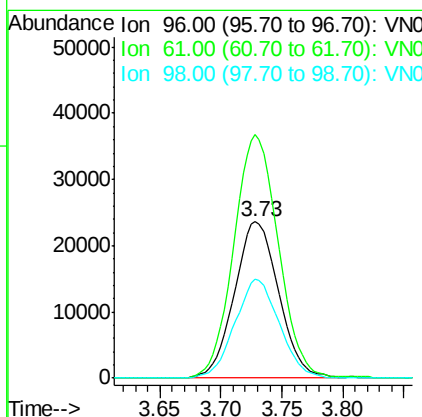
RT: 3.73 min Scan# 608

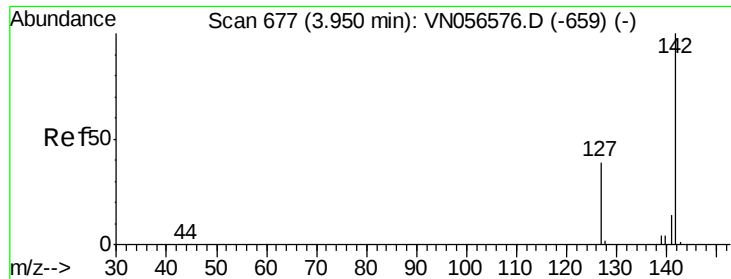
Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion:	96	Resp:	59413
Ion Ratio	Lower	Upper	
96	100		
61	154.9	119.7	179.5
98	63.3	52.3	78.5





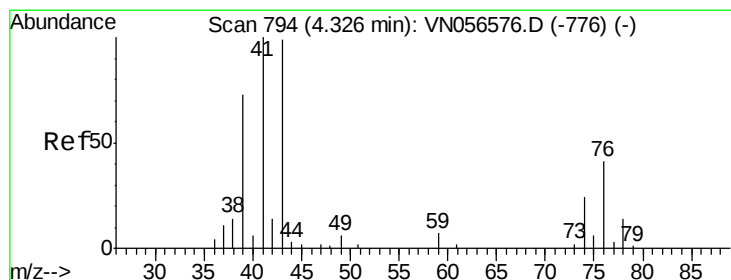
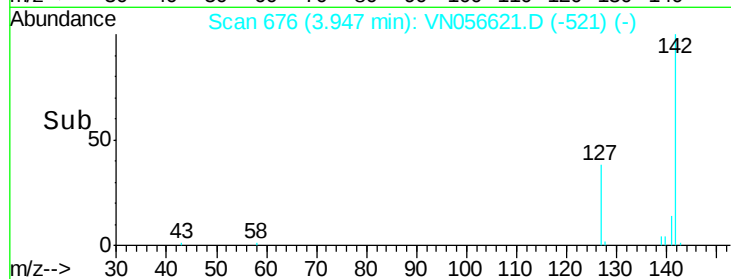
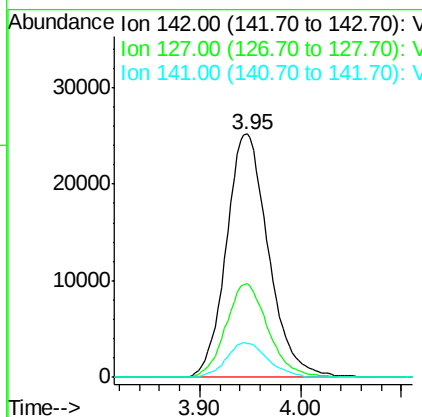
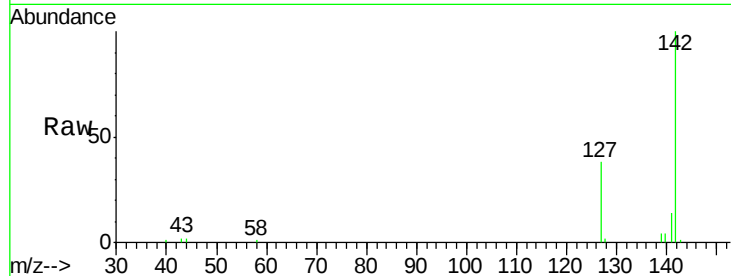
#11
Methyl Iodide
Concen: 16.878 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.0	57.0
141	14.1	6.7	20.0

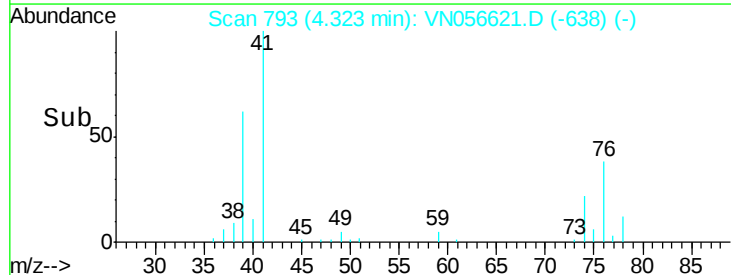
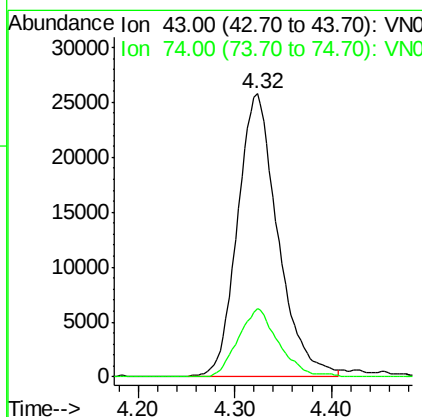
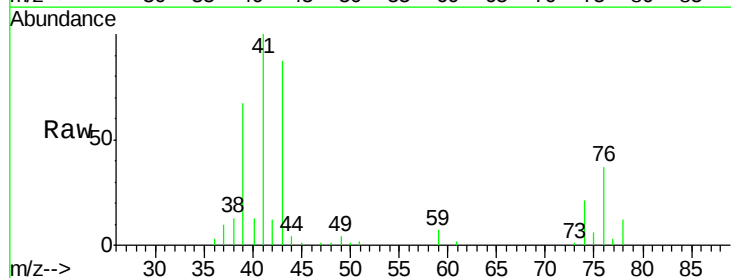
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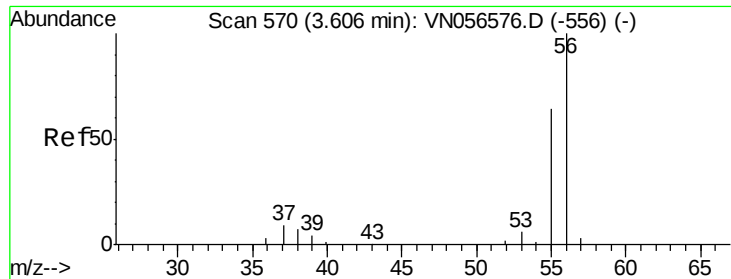
MMDadoda
7/10/2019 9:18:00 AM



#12
Methyl Acetate
Concen: 18.334 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.9	29.9





#13

Acrolein

Concen: 82.701 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tot Ion: 56 Resp: 32938

Ion Ratio Lower Upper

56 100

55 73.3 57.9 86.9

Instrument :

MSVOA_N

ClientSampled :

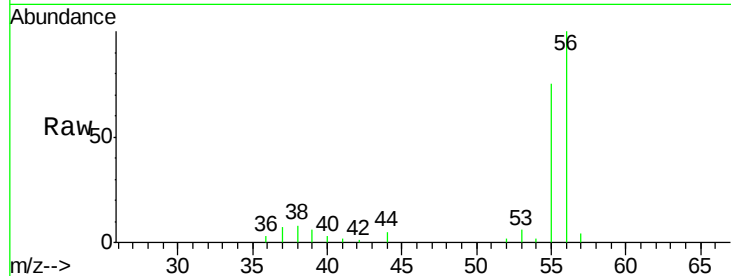
VSTDCCC020

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

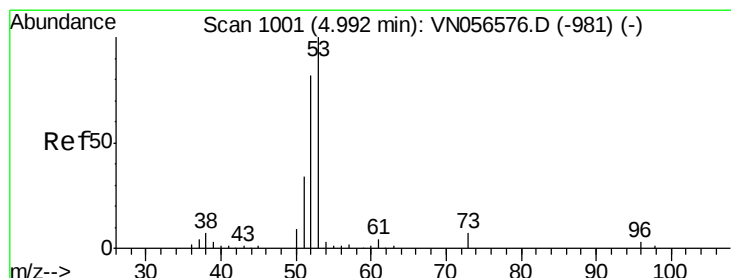
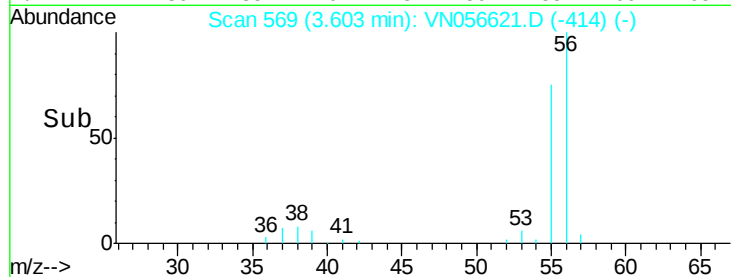
10000

5000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 91.907 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

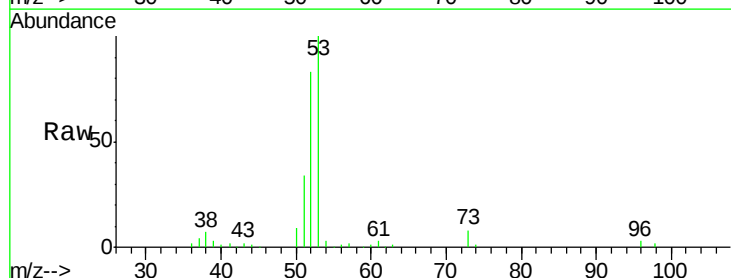
Tgt Ion: 53 Resp: 164616

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.2

51 35.6 17.3 52.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

50000

40000

30000

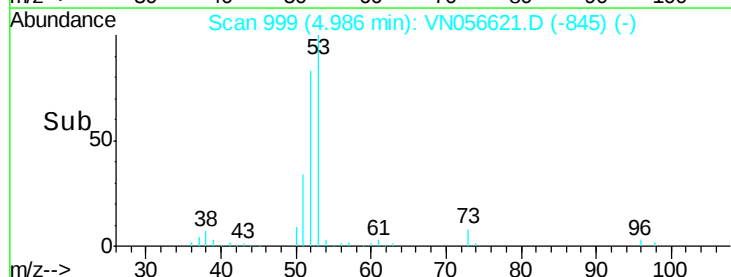
20000

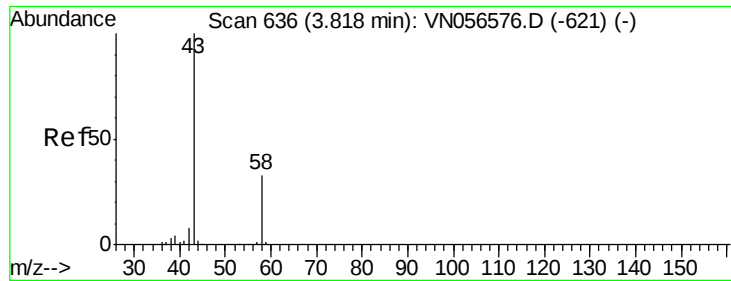
10000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 123.862 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 61900

Ion Ratio Lower Upper

58 100

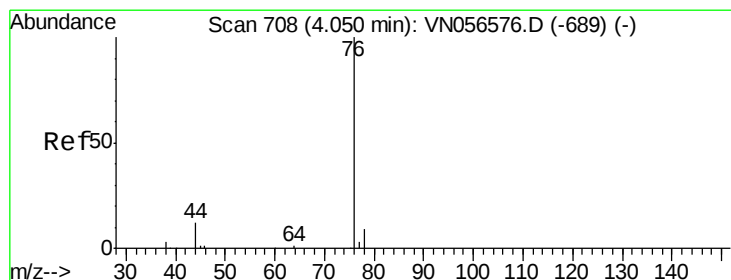
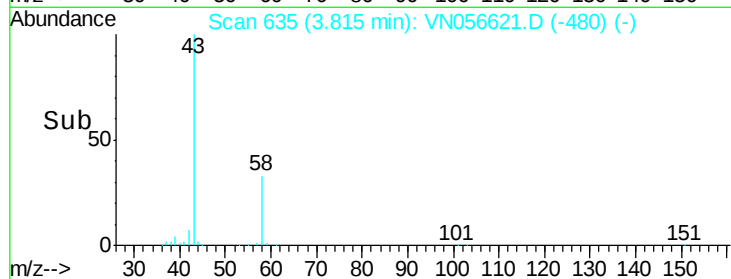
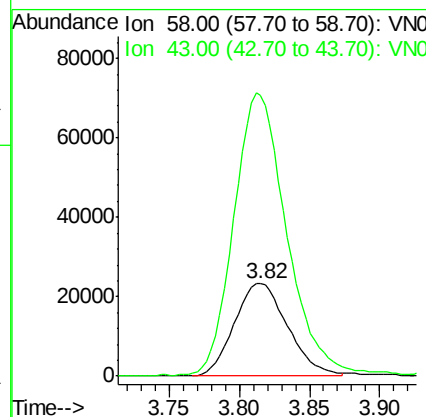
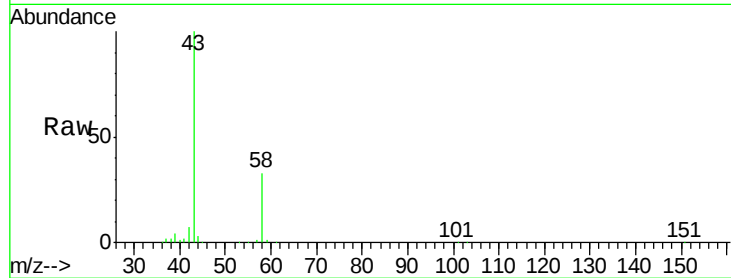
43 301.6 232.5 348.7

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#16

Carbon Disulfide

Concen: 19.231 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056621.D

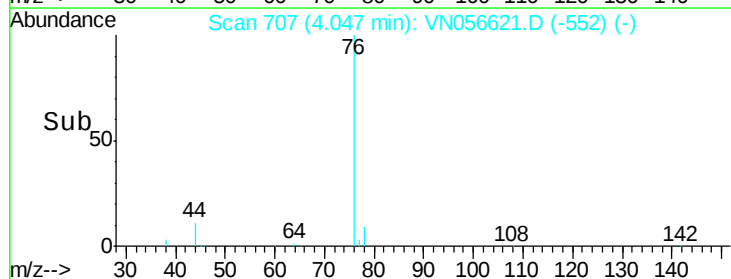
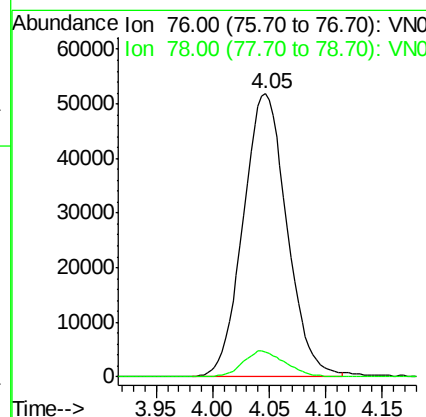
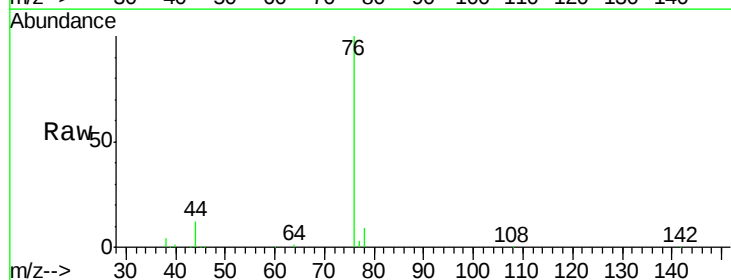
Acq: 9 Jul 2019 10:04

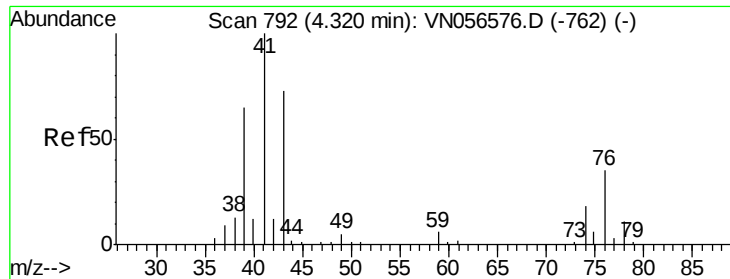
Tgt Ion: 76 Resp: 139869

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





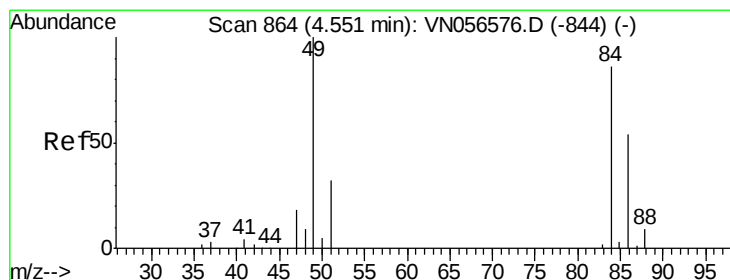
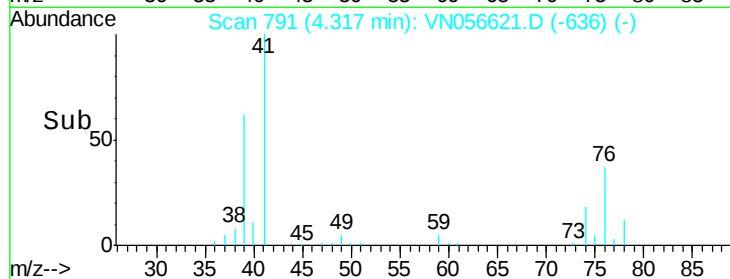
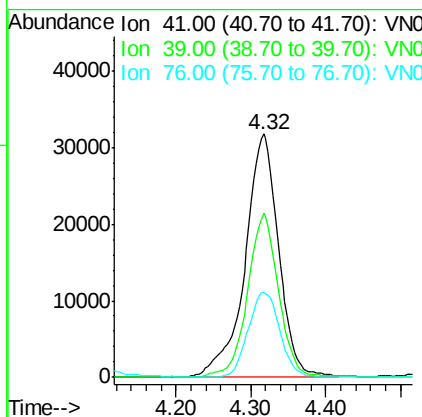
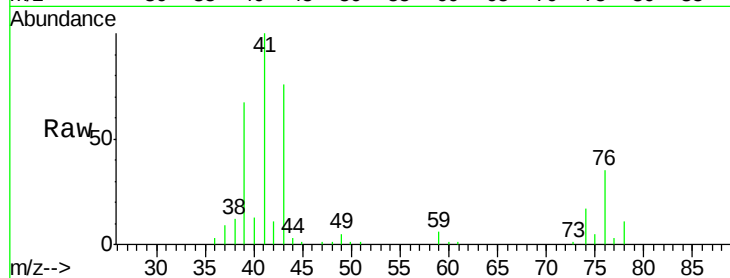
#17
Allvl chloride
Concen: 18.836 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.2	33.0	99.0
76	34.7	18.9	56.9

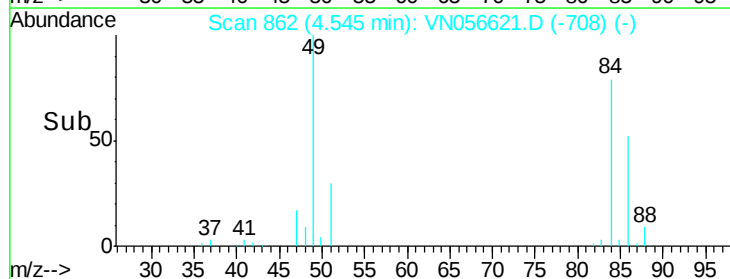
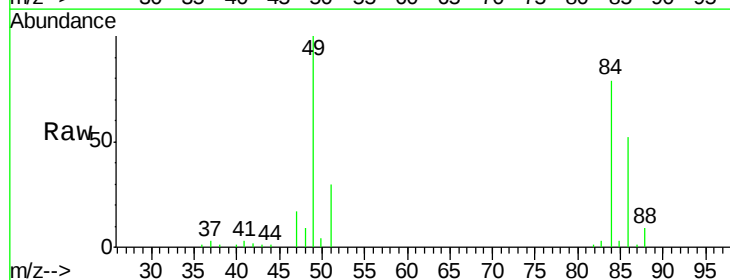
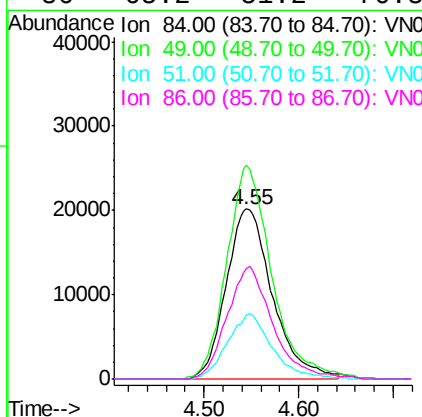
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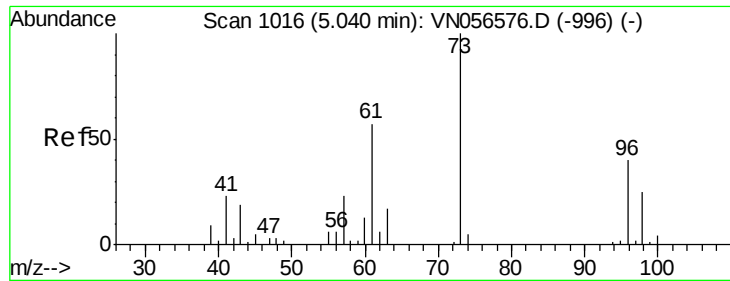
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#18
Methylene Chloride
Concen: 19.201 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	87.6	131.4
51	37.7	27.0	40.4
86	65.2	51.2	76.8





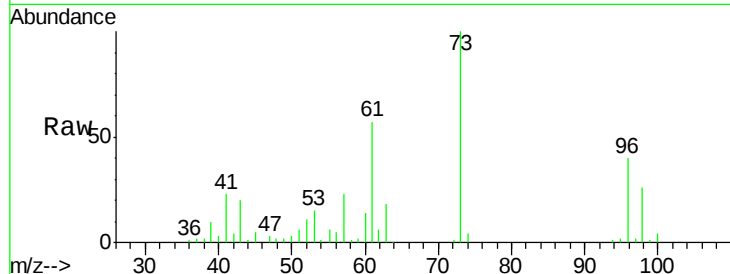
#19
trans-1,2-Dichloroethene
Concen: 19.036 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

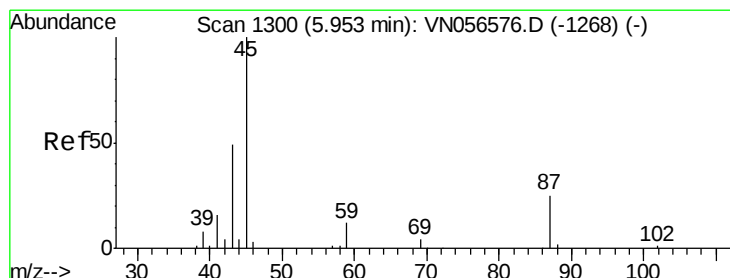
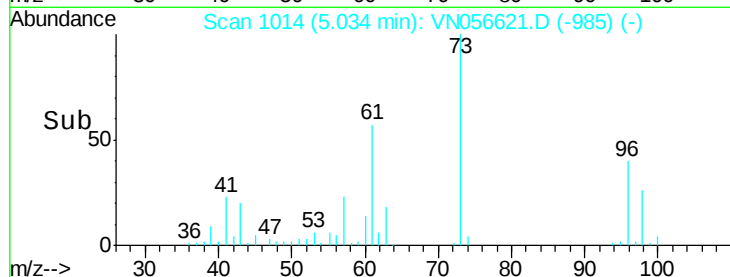
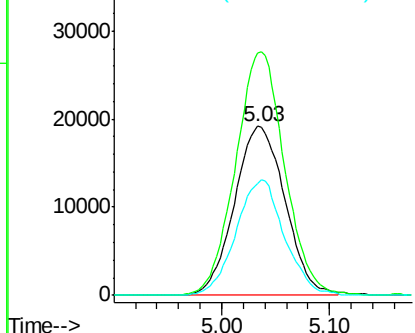
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	102.5	153.7
98	66.4	46.9	70.3

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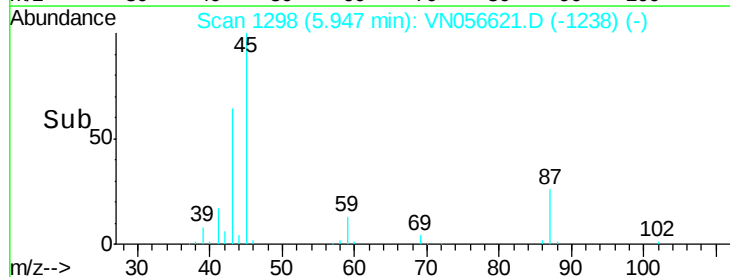
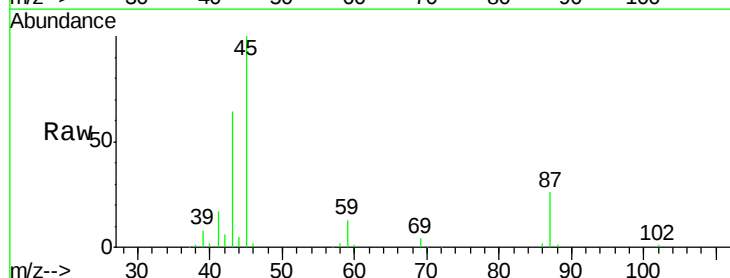
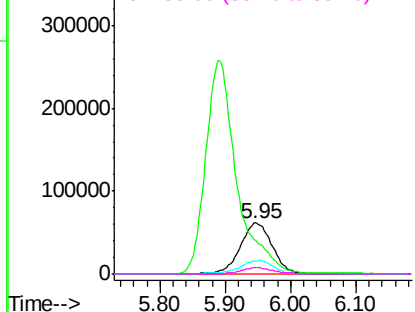
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

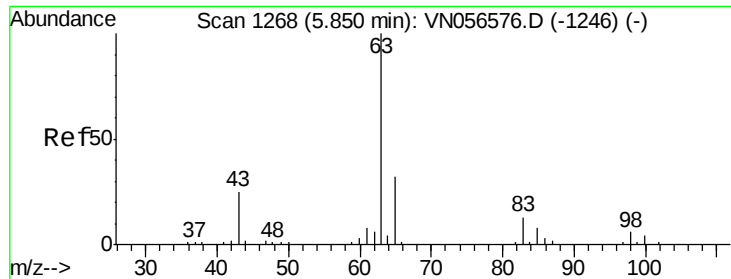


#20
Diisopropyl ether
Concen: 19.363 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.0	72.0
87	26.1	23.4	35.2
59	12.8	9.2	13.8

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





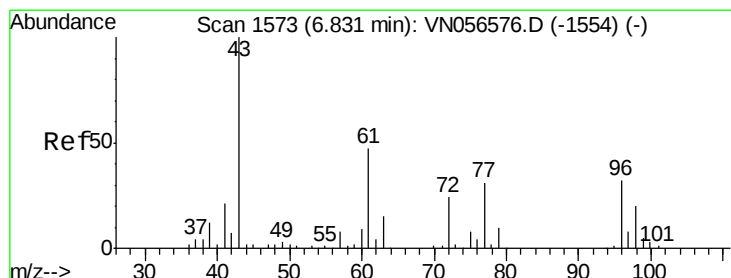
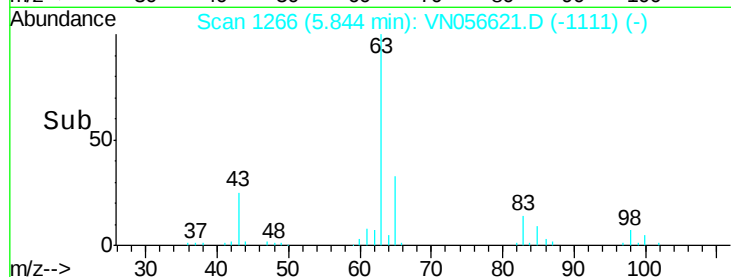
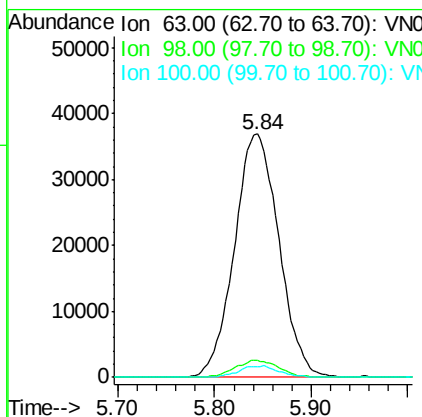
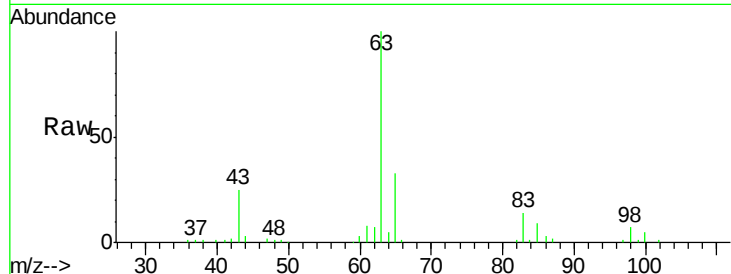
#21
 1,1-Dichloroethane
 Concen: 19.126 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.5	2.3	6.9

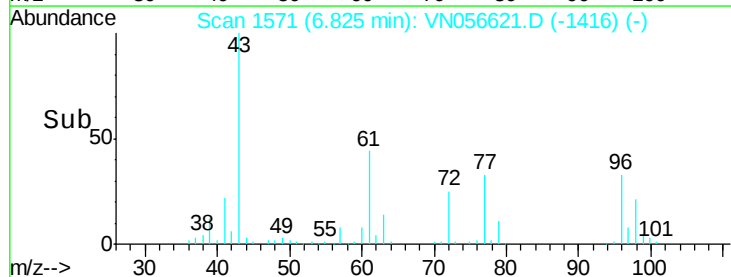
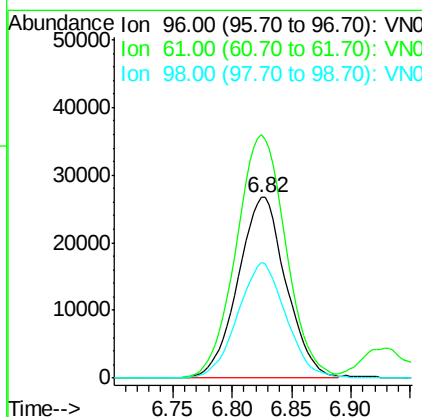
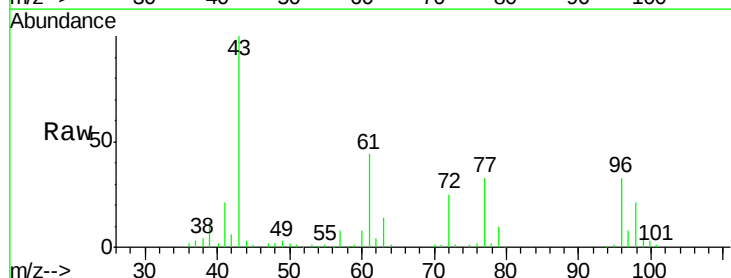
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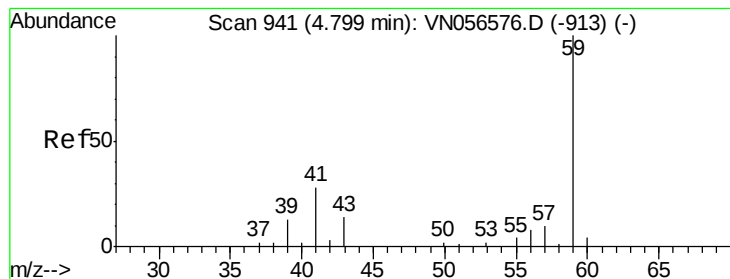
MMDadoda
 7/10/2019 9:18:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.343 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	105.7	158.5
98	64.1	52.0	78.0





#23

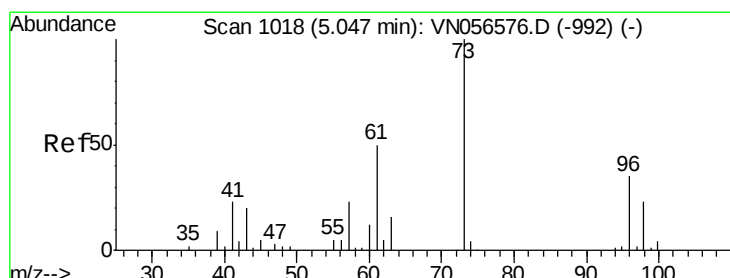
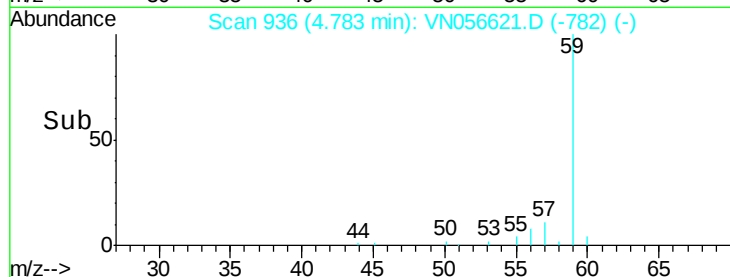
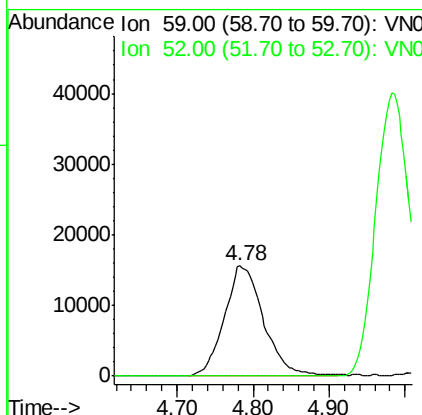
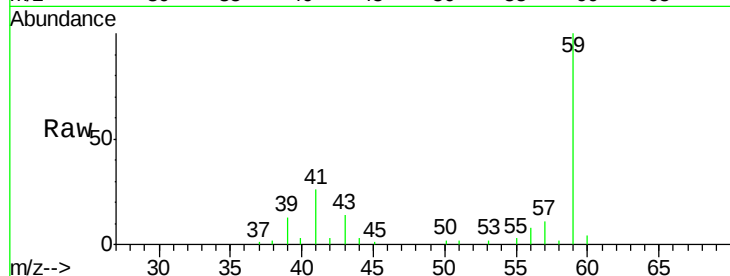
tert-Butyl Alcohol
Concen: 83.869 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 59 Resp: 56193
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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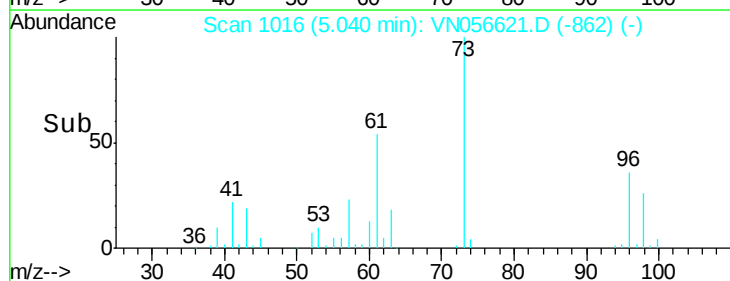
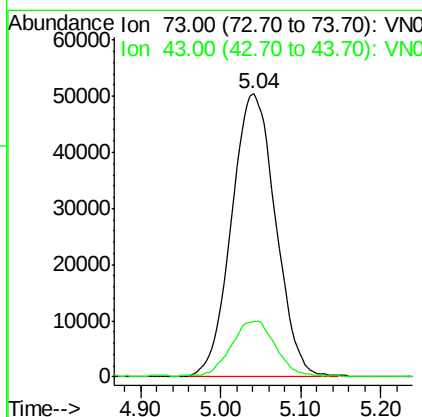
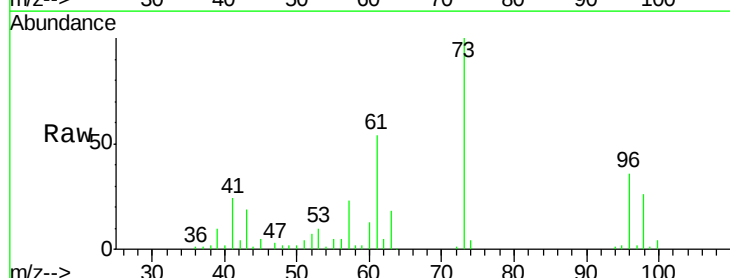
MMDadoda
7/10/2019 9:18:00 AM

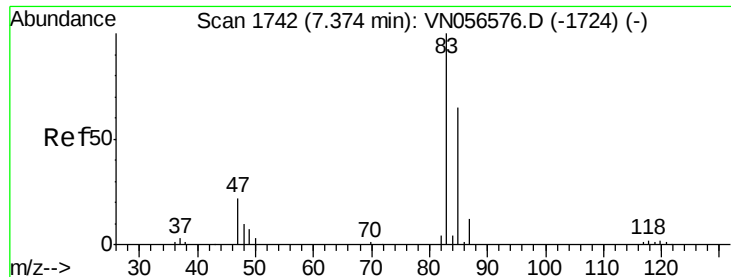


#24

Methyl tert-Butyl Ether
Concen: 18.941 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 73 Resp: 189497
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.0





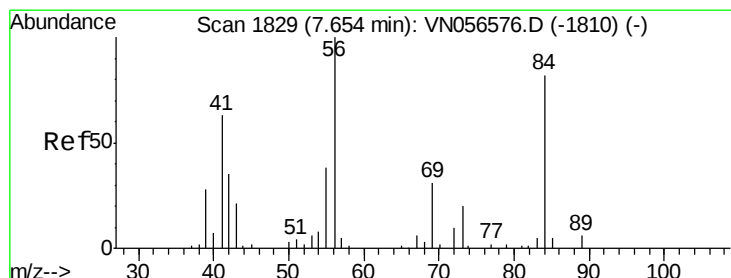
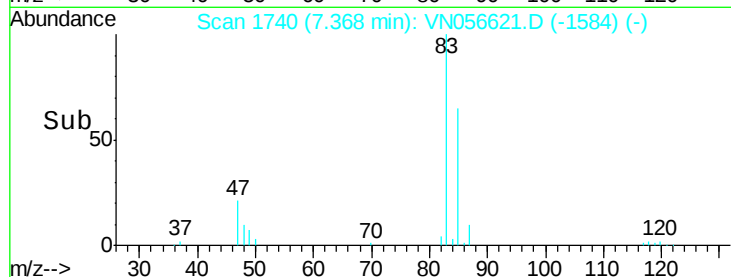
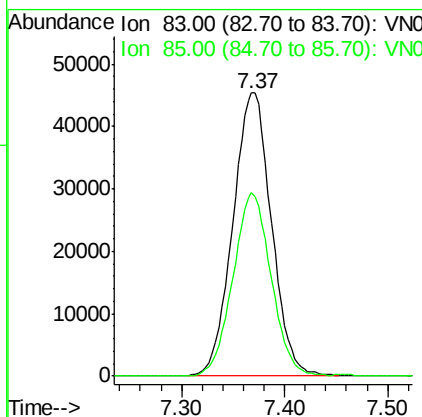
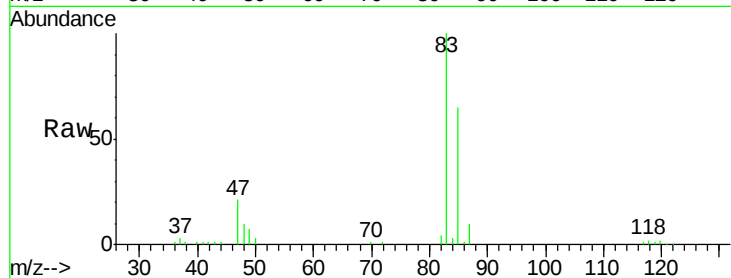
#25
Chloroform
Concen: 19.556 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	118247
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.0	78.0

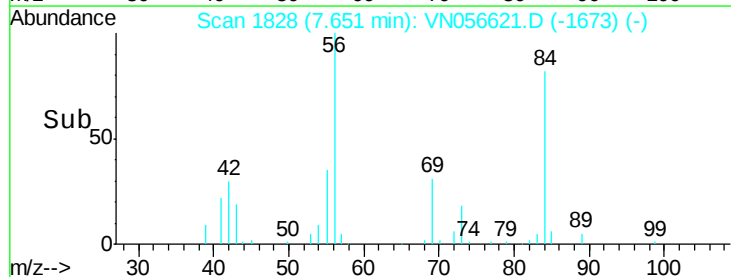
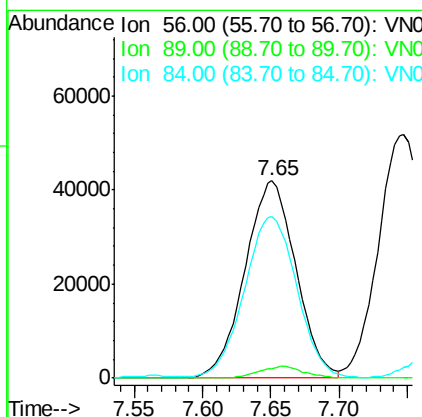
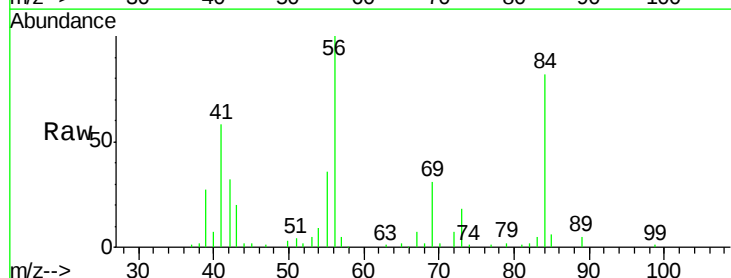
Manual Integrations
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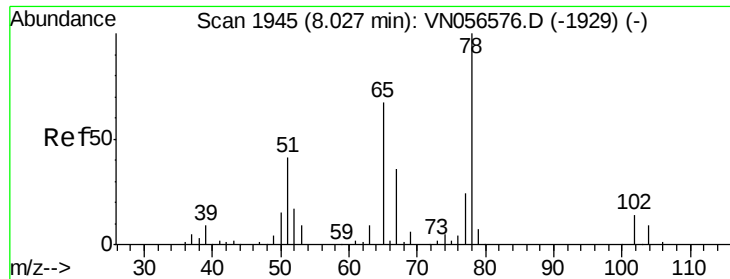
MMDadoda
7/10/2019 9:18:00 AM



#26
Cyclohexane
Concen: 19.160 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	56	Resp	108871
Ion Ratio	100	Lower	Upper
56	100		
89	5.1	0.0	0.0#
84	84.8	70.1	105.1





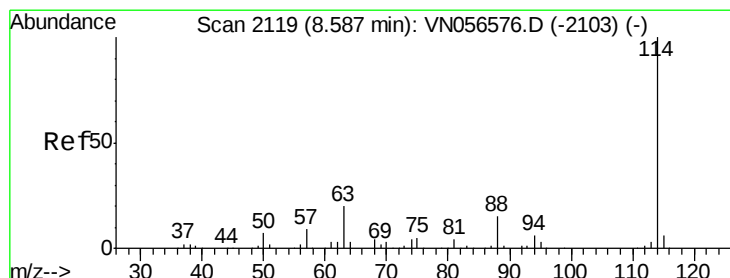
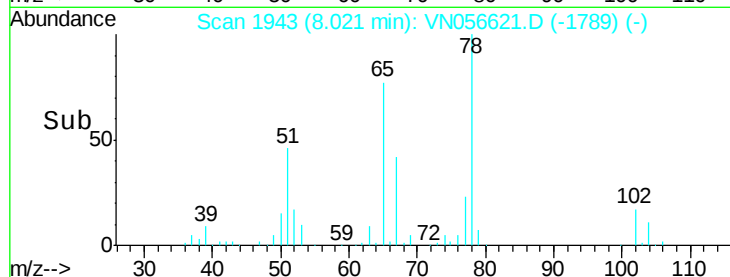
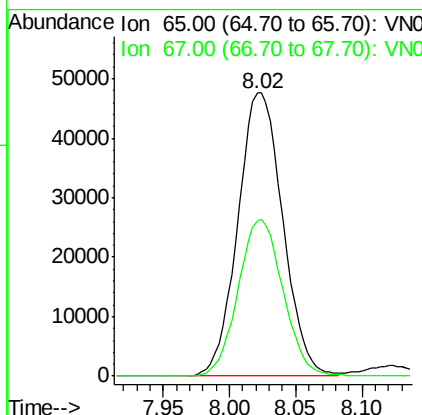
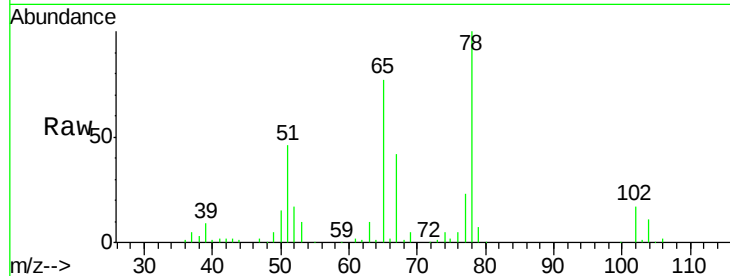
#27
 1,2-Dichloroethane-d4
 Concen: 29.436 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 112293
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.2

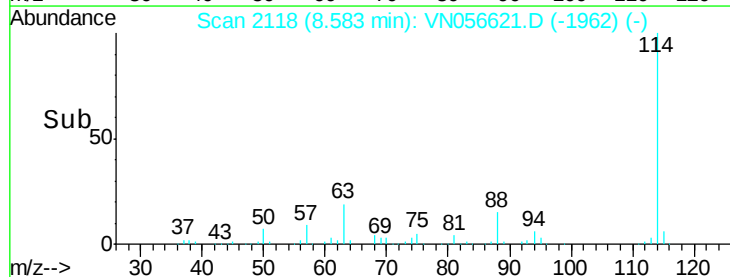
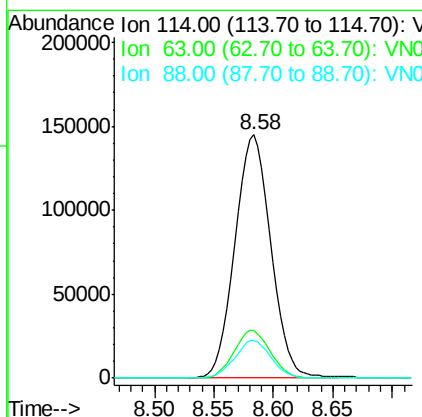
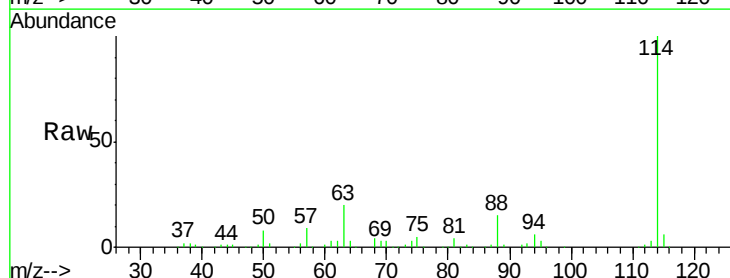
Manual Integrations
 APPROVED

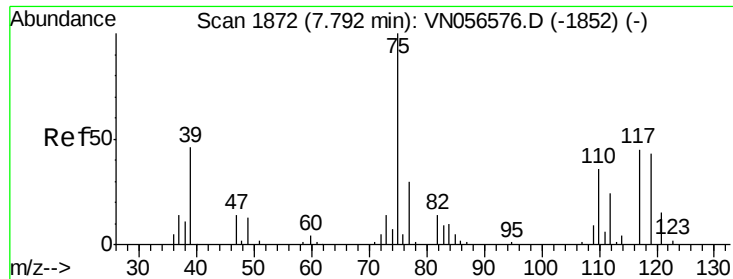
MMDadoda
 7/10/2019 9:18:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 114 Resp: 304355
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.7 22.1
 88 15.6 11.9 17.9





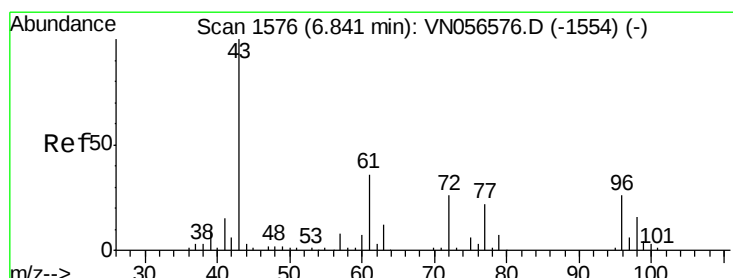
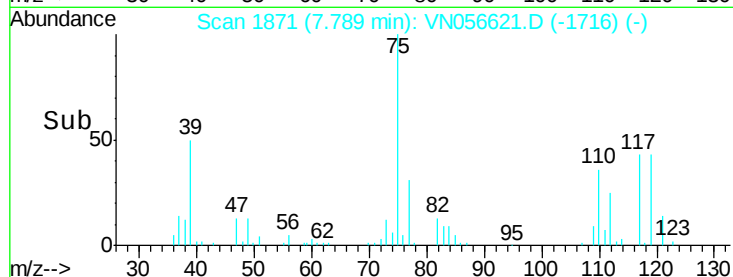
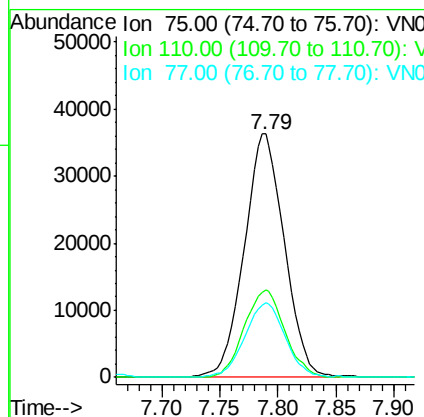
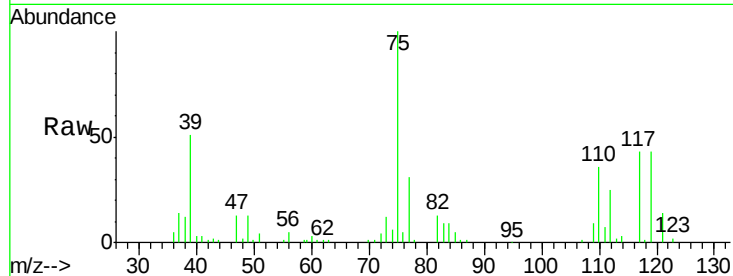
#29
 1,1-Dichloropropene
 Concen: 19.419 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	77.0
77	30.9	0.0	62.4

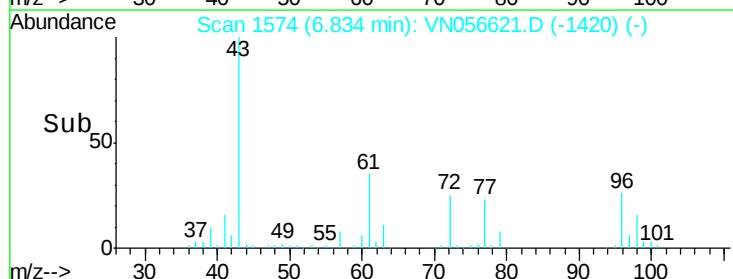
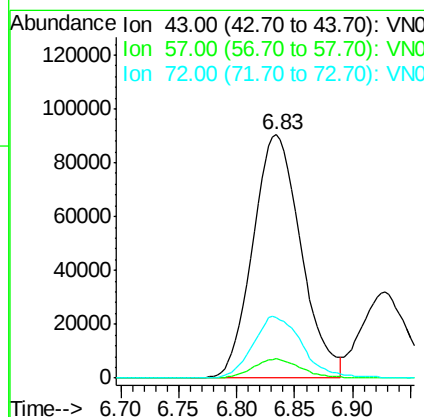
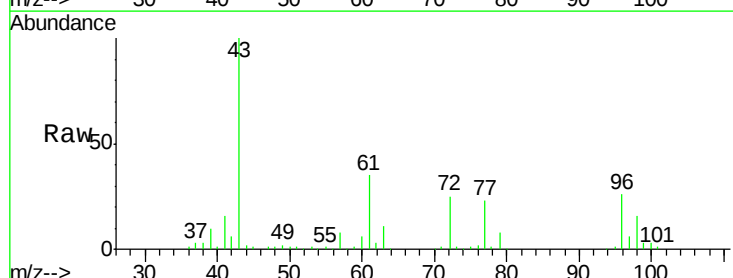
Manual Integrations
 APPROVED

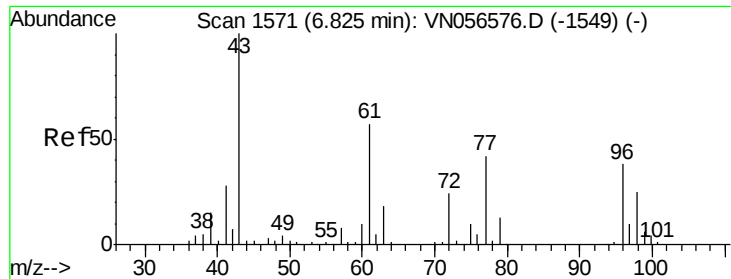
MMDadoda
 7/10/2019 9:18:00 AM



#30
 2-Butanone
 Concen: 104.548 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.7	10.1
72	26.1	22.4	33.6





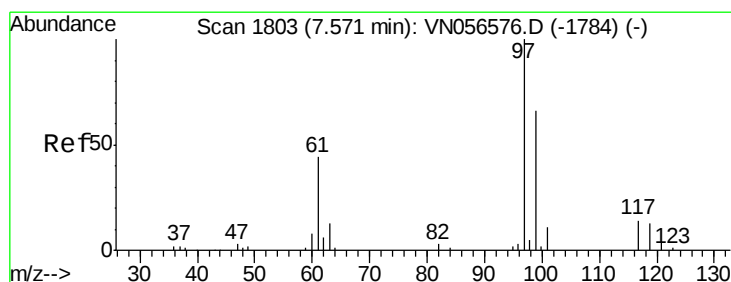
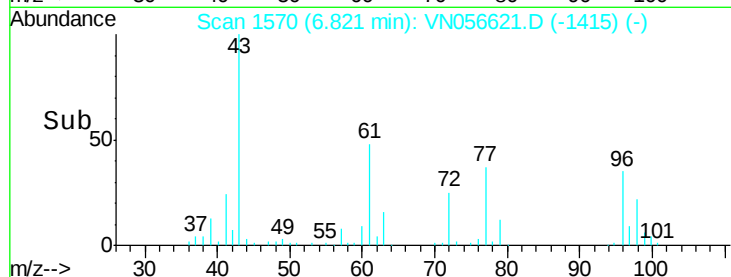
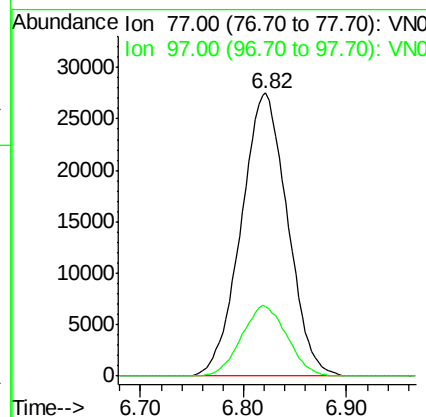
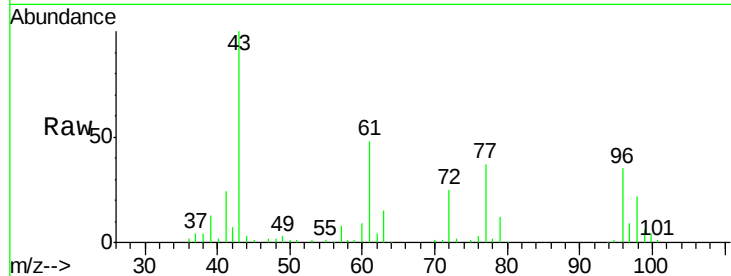
#31
 2,2-Dichloropropane
 Concen: 19.866 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.4	20.8	31.2

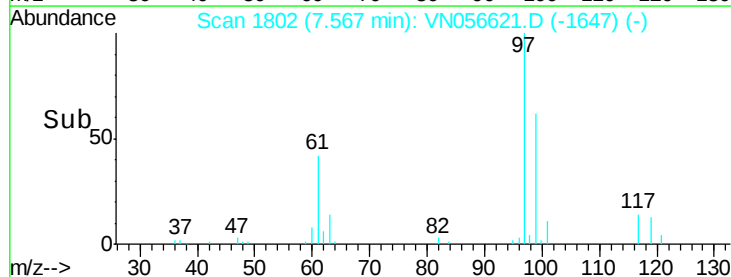
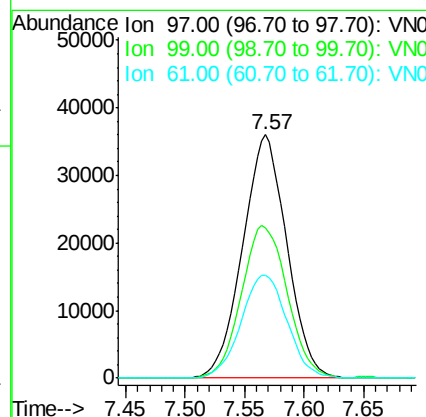
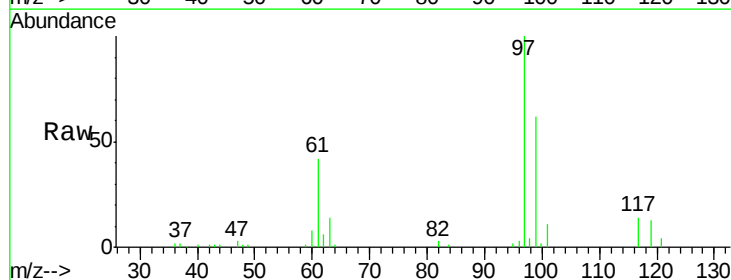
Manual Integrations
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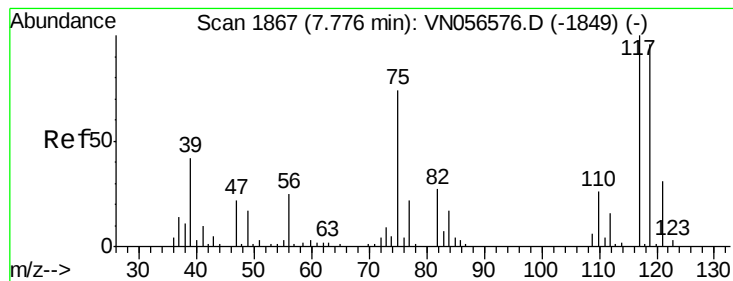
MMDadoda
 7/10/2019 9:18:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.337 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	43.9	32.9	49.3





#33

Carbon Tetrachloride

Concen: 19.496 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

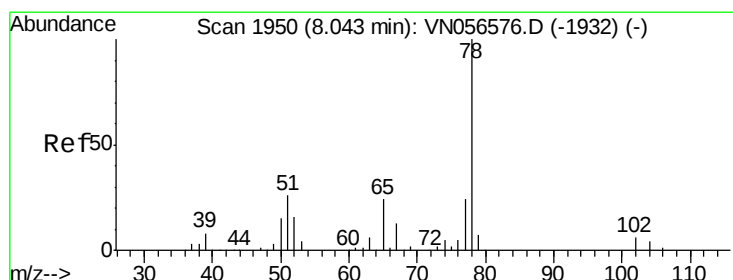
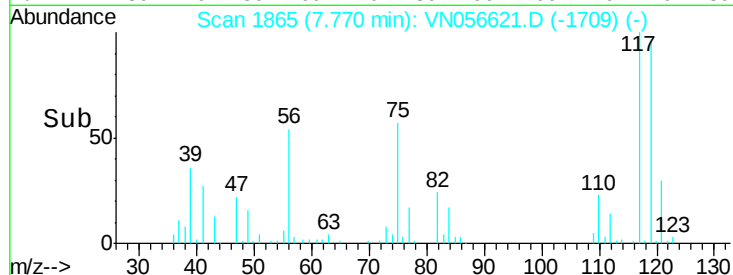
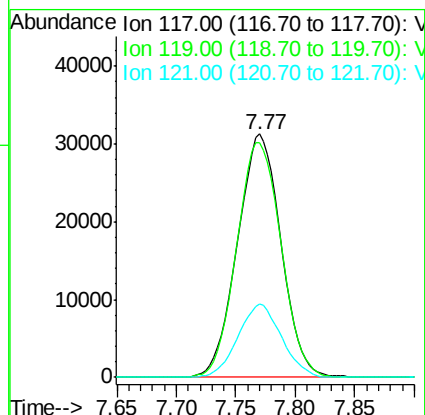
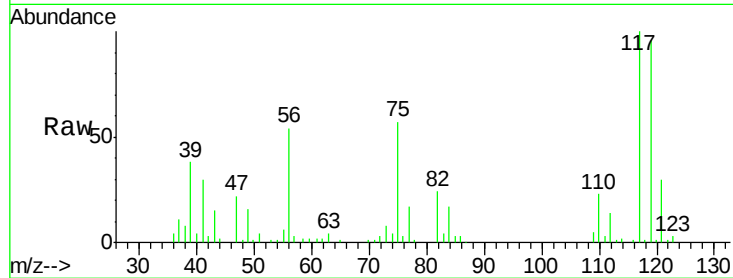
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	79186
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
121	30.2	25.0	37.4

Manual Integrations
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MMDadoda
7/10/2019 9:18:00 AM



#34

Benzene

Concen: 19.498 ug/l

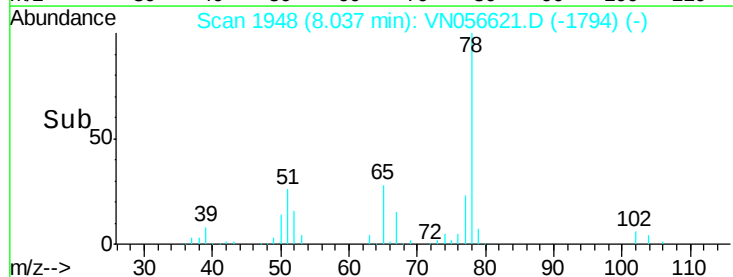
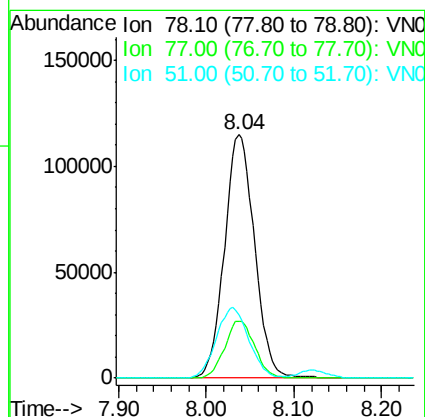
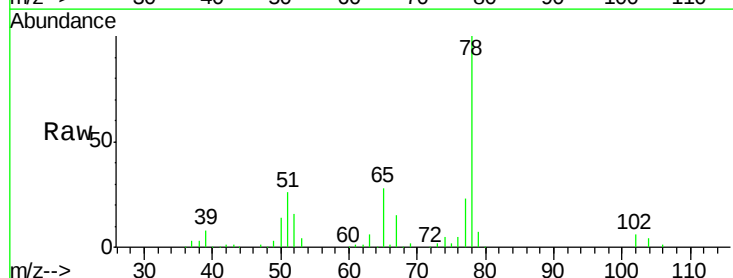
RT: 8.04 min Scan# 1948

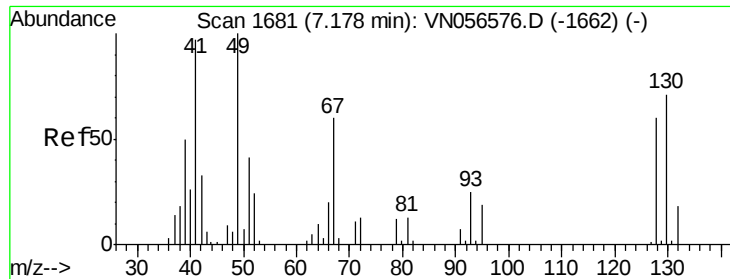
Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion:	78	Resp:	274022
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9
51	25.7	19.8	29.8





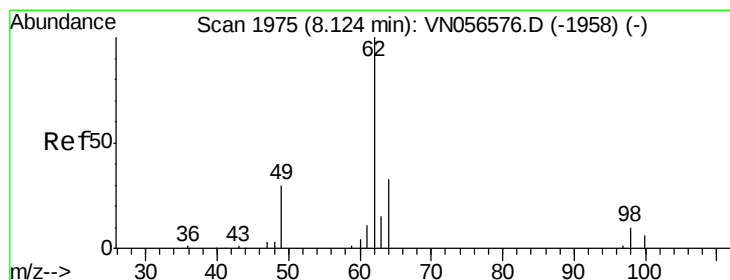
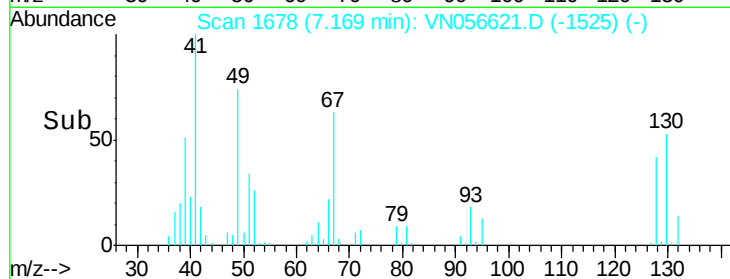
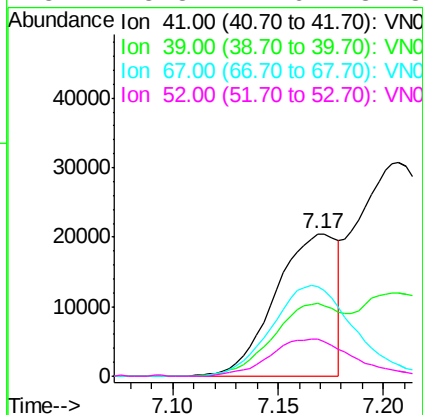
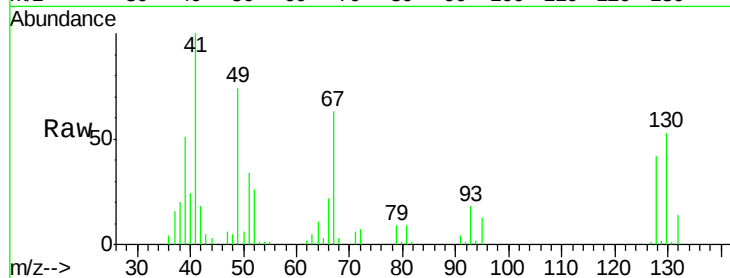
#35
Methacrylonitrile
Concen: 18.860 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	41731
Ion	Ratio	Lower	Upper
41	100		
39	50.9	24.8	74.3
67	63.4	34.3	102.9
52	25.8	12.6	37.8

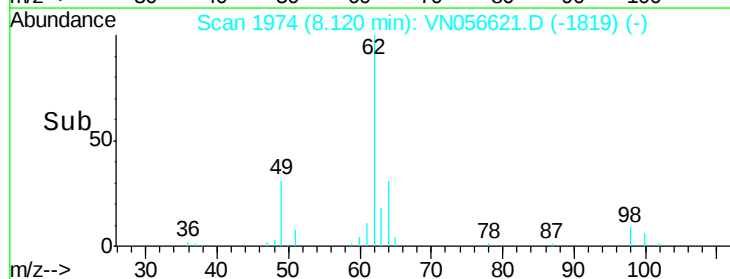
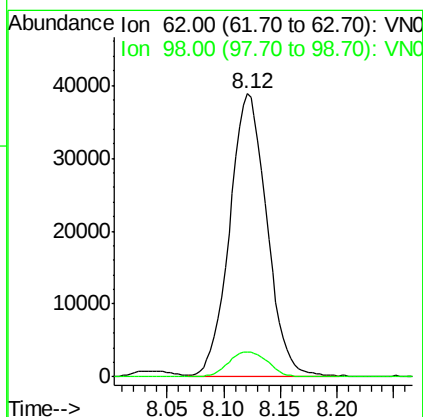
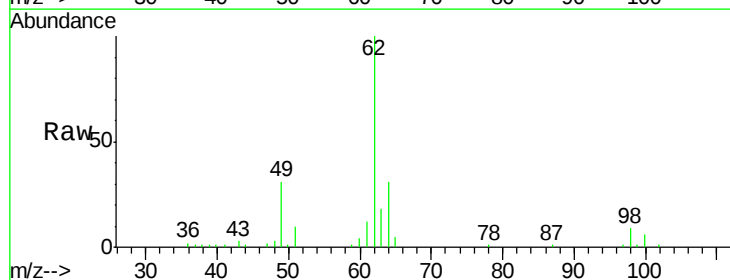
Manual Integrations
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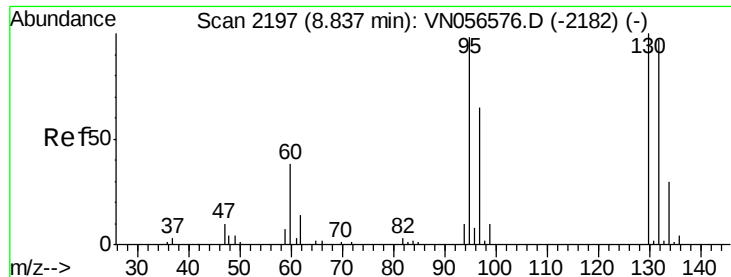
MMDadoda
7/10/2019 9:18:00 AM



#36
1,2-Dichloroethane
Concen: 19.408 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	62	Resp	88650
Ion	Ratio	Lower	Upper
62	100		
98	9.3	8.6	13.0





#37

Trichloroethene

Concen: 19.494 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 71452

Ion Ratio Lower Upper

130 100

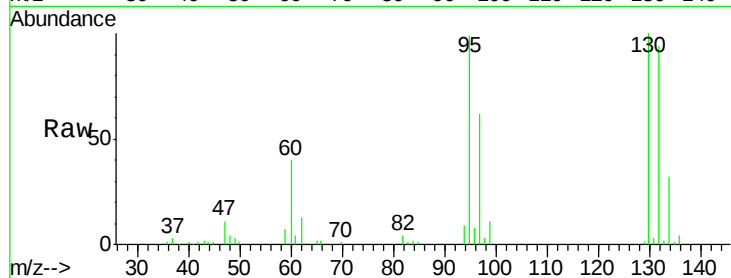
95 99.0 73.0 109.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

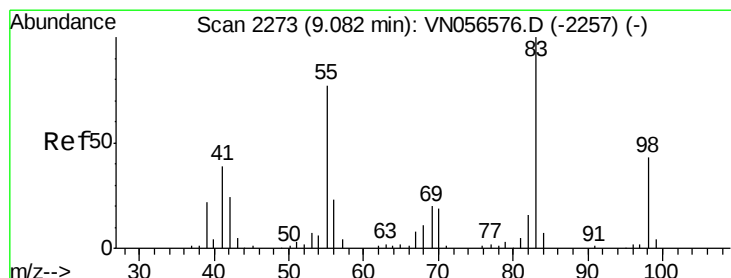
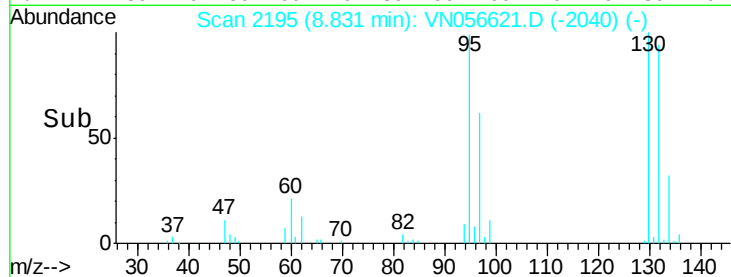
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 19.467 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

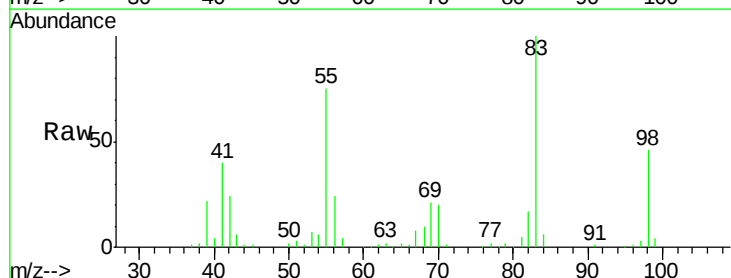
Tgt Ion: 83 Resp: 109645

Ion Ratio Lower Upper

83 100

55 76.8 37.5 112.7

98 45.9 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

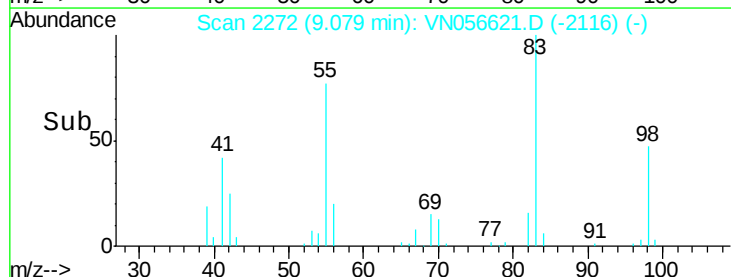
60000

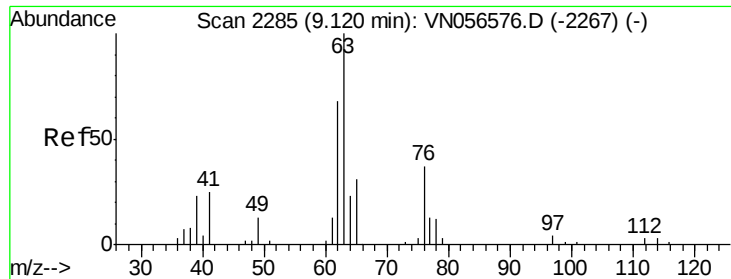
40000

20000

0

Time-->





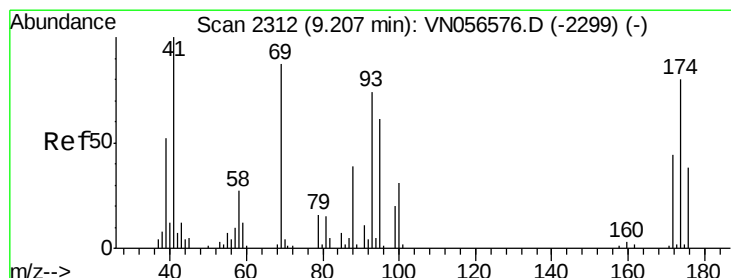
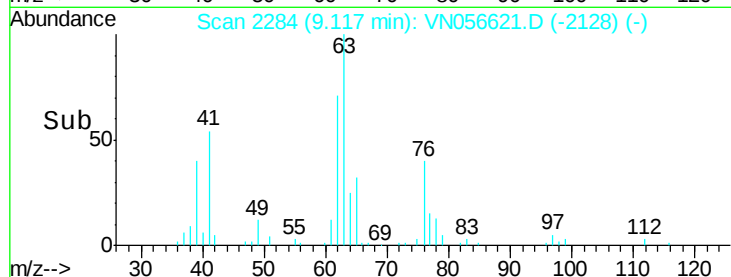
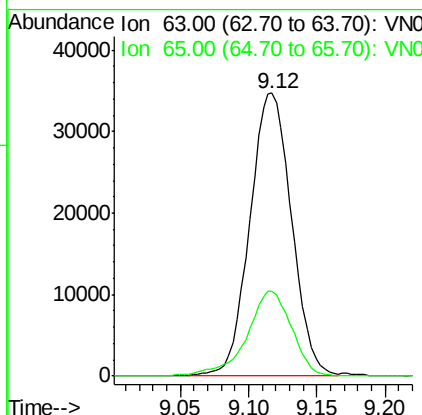
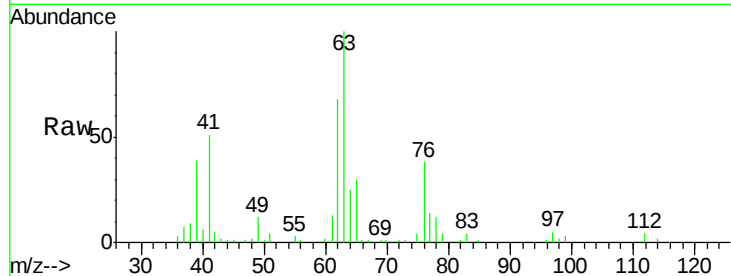
#39
 1,2-Dichloropropane
 Concen: 19.469 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 73654
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.1 34.7

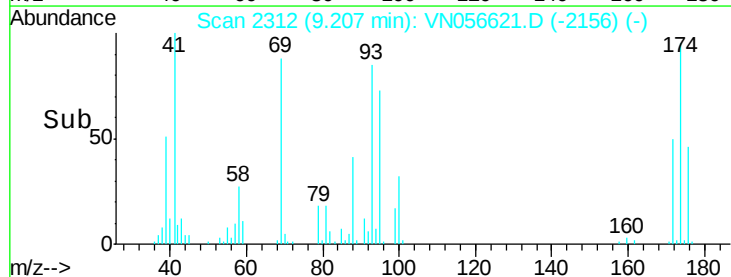
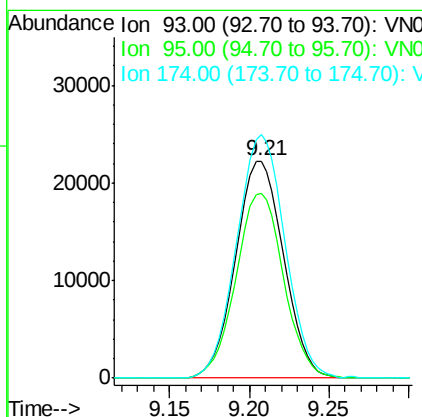
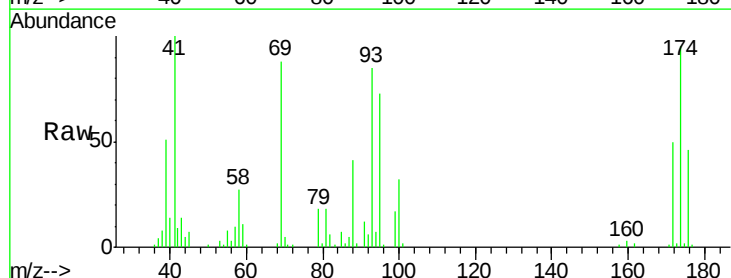
Manual Integrations
 APPROVED

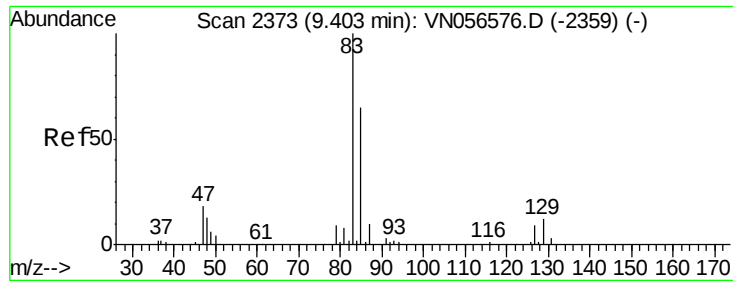
MMDadoda
 7/10/2019 9:18:00 AM



#40
 Dibromomethane
 Concen: 19.512 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 93 Resp: 45631
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 169.0
 174 113.0 0.0 246.4





#41

Bromodichloromethane

Concen: 19.454 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

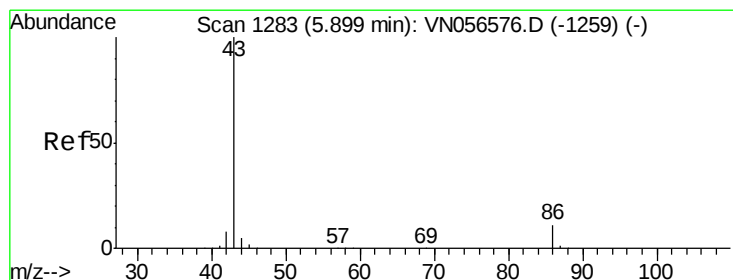
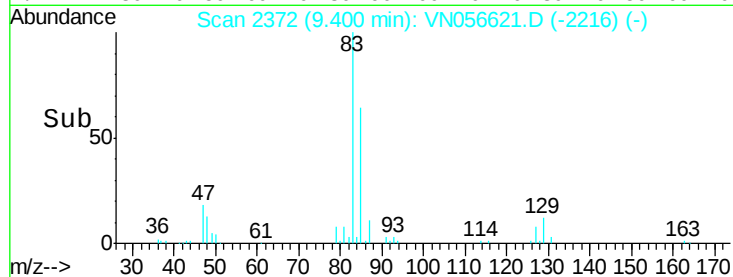
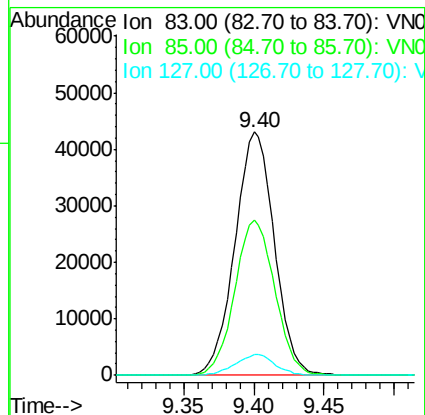
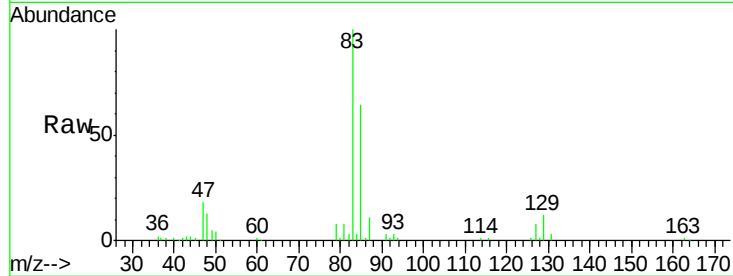
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	84318
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.8	77.6
127	8.4	7.3	10.9

Manual Integrations
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MMDadoda
7/10/2019 9:18:00 AM



#42

Vinyl Acetate

Concen: 95.953 ug/l

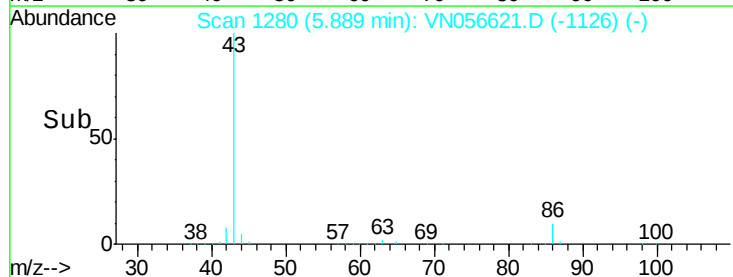
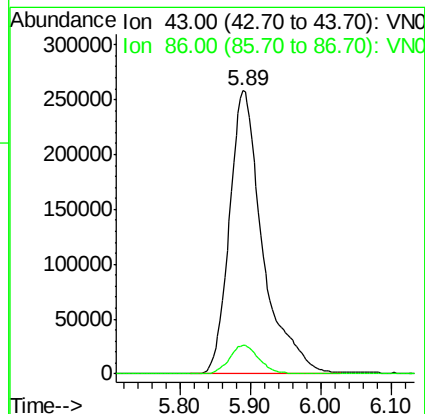
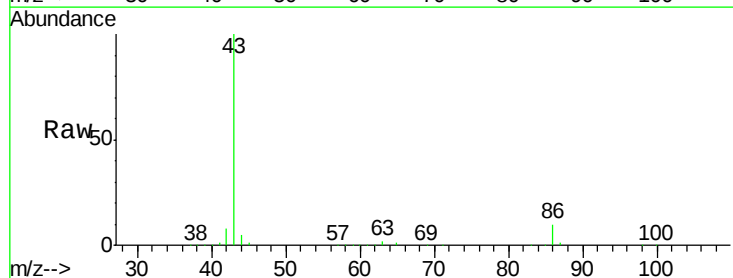
RT: 5.89 min Scan# 1280

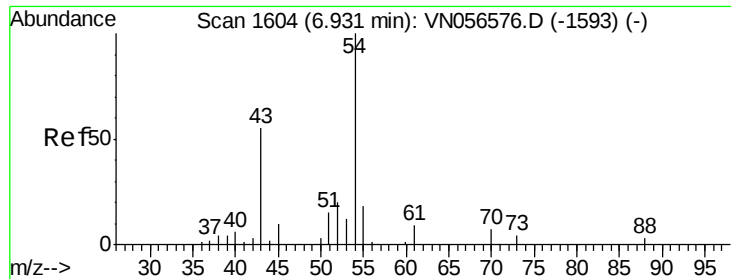
Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion:	43	Resp:	851254
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.9	11.9





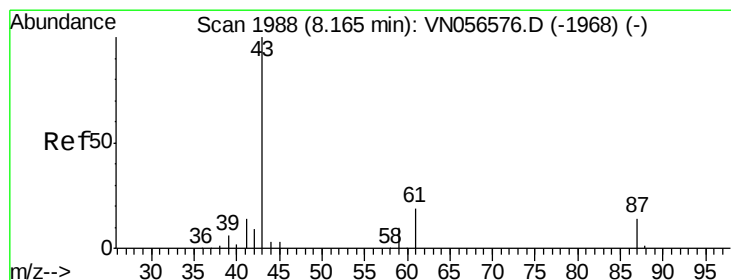
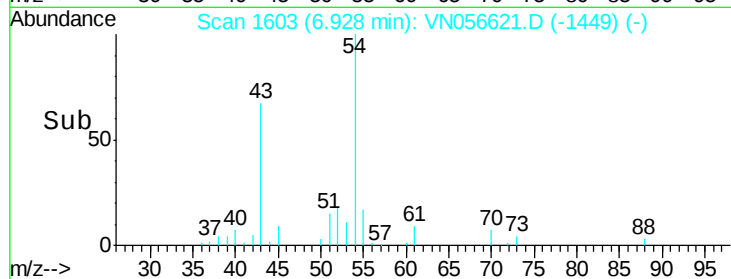
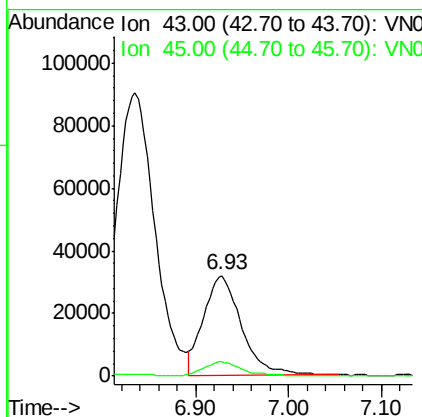
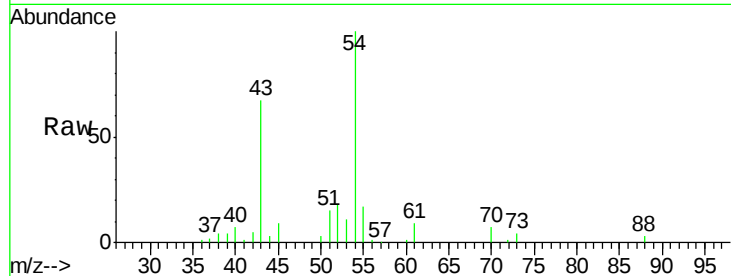
#43
Ethyl Acetate
Concen: 18.568 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 89491
Ion Ratio Lower Upper
43 100
45 12.8 12.3 18.5

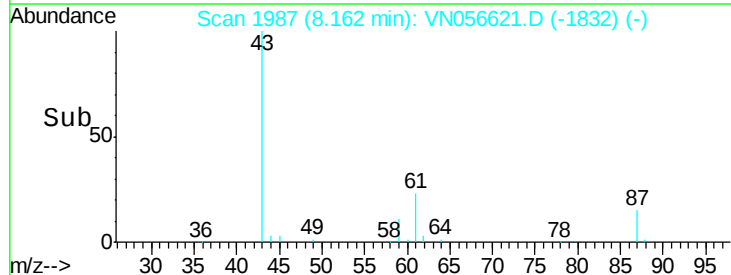
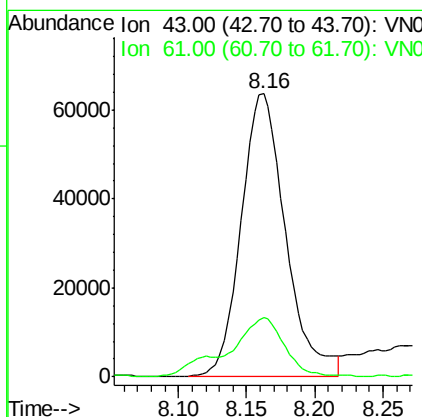
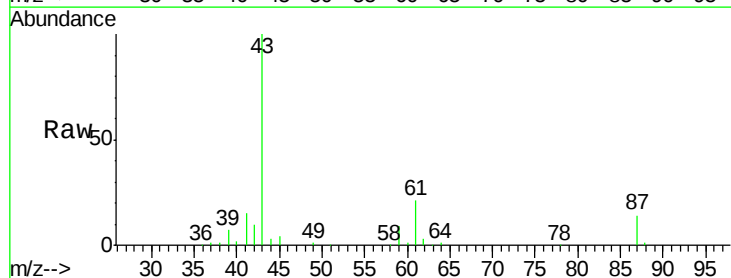
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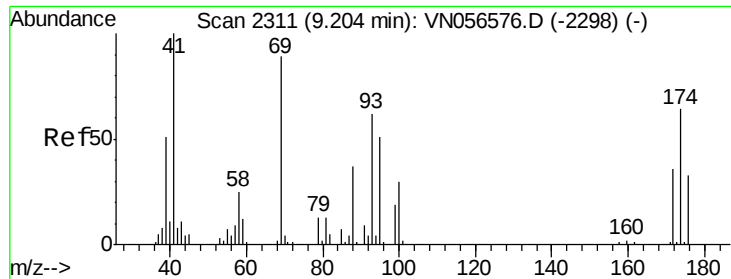
MMDadoda
7/10/2019 9:18:00 AM



#44
Isopropyl Acetate
Concen: 18.977 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 142699
Ion Ratio Lower Upper
43 100
61 20.5 16.9 25.3





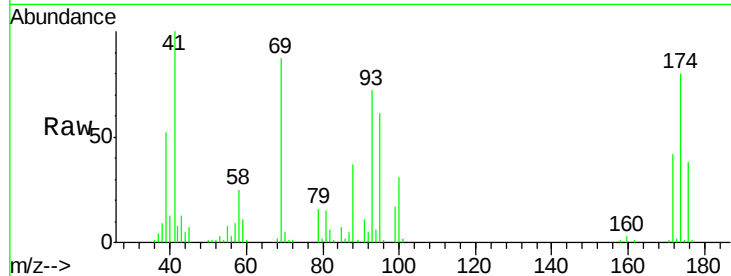
#45
 1,4-Dioxane
 Concen: 373.145 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

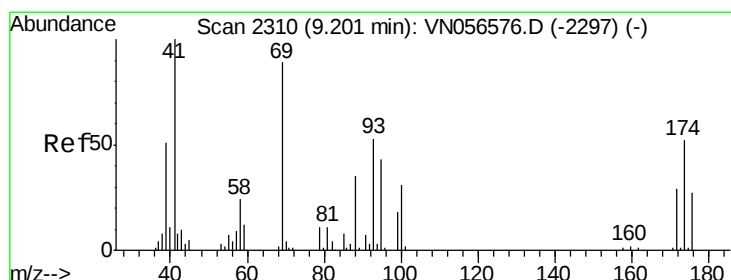
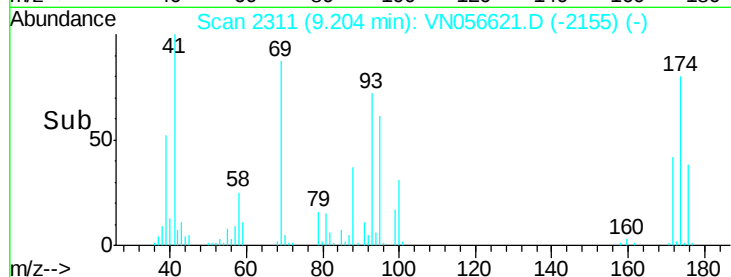
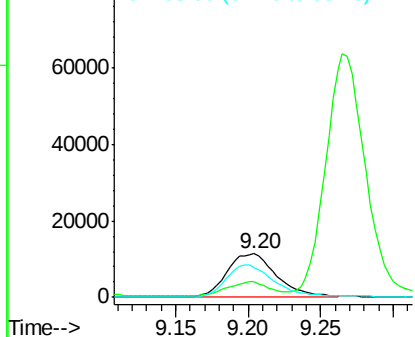
Tot Ion	88	Resp	27455
Ion	Ratio	Lower	Upper
88	100		
43	27.4	19.8	29.6
58	71.4	48.5	72.7

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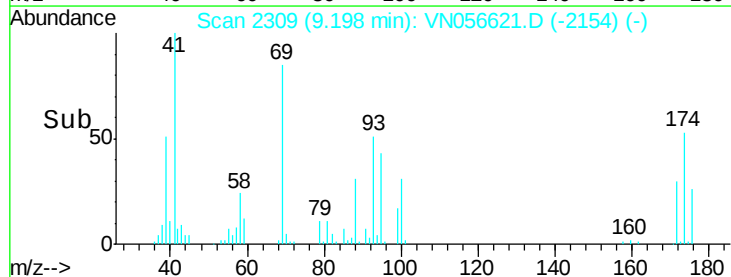
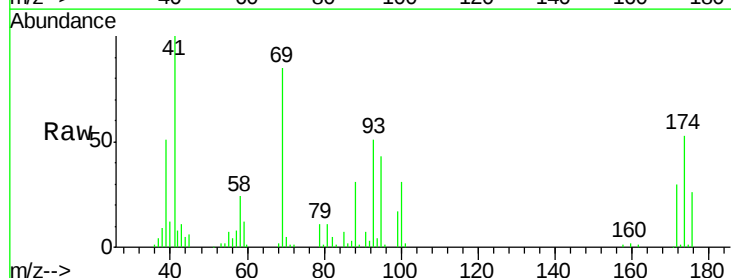
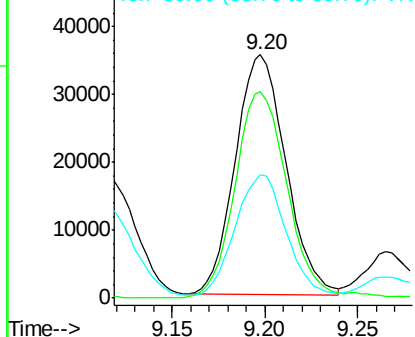
Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

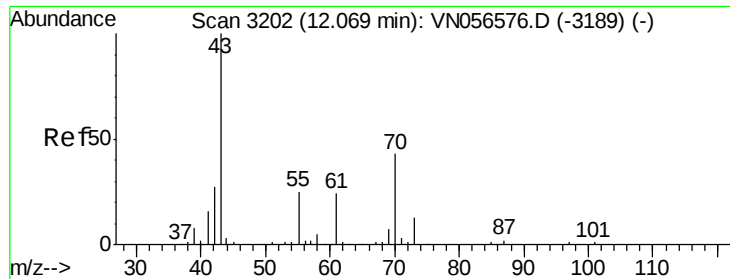


#46
 Methyl methacrylate
 Concen: 18.096 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	41	Resp	66860
Ion	Ratio	Lower	Upper
41	100		
69	85.5	46.0	137.8
39	50.4	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VNO
 Ion 69.00 (68.70 to 69.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 17.721 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 110759

Ion Ratio Lower Upper

43 100

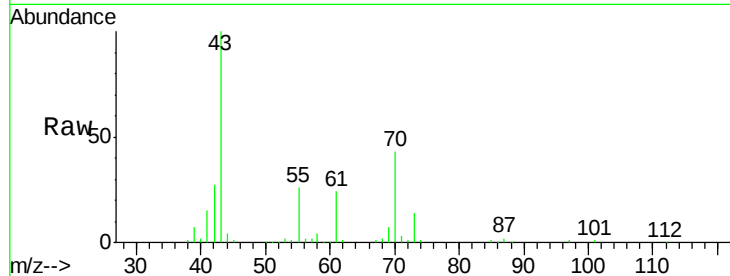
55 25.9 19.0 28.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

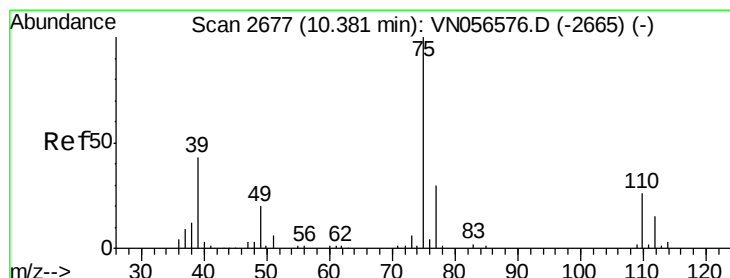
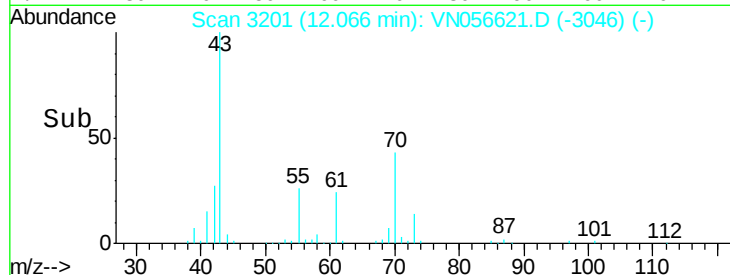
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.325 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056621.D

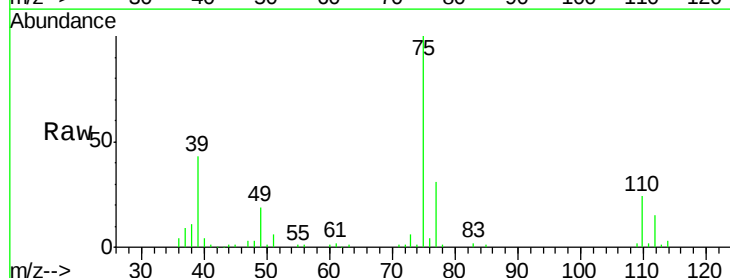
Acq: 9 Jul 2019 10:04

Tgt Ion: 75 Resp: 89772

Ion Ratio Lower Upper

75 100

77 30.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

60000

50000

40000

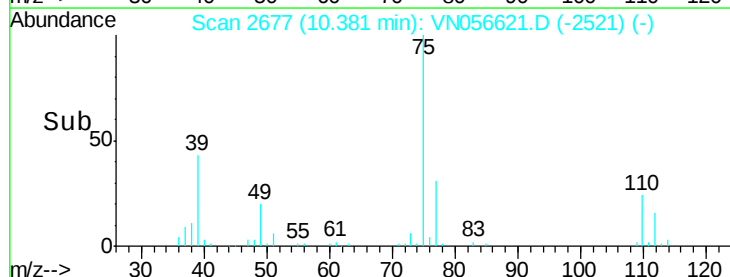
30000

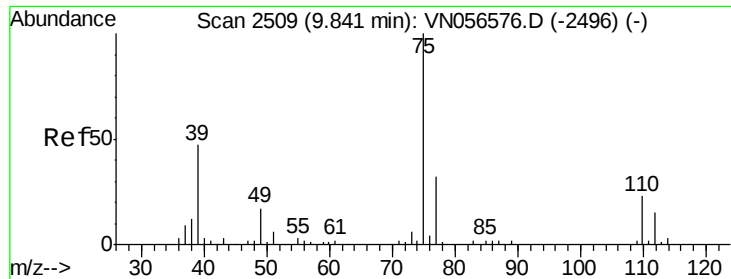
20000

10000

0

Time-->





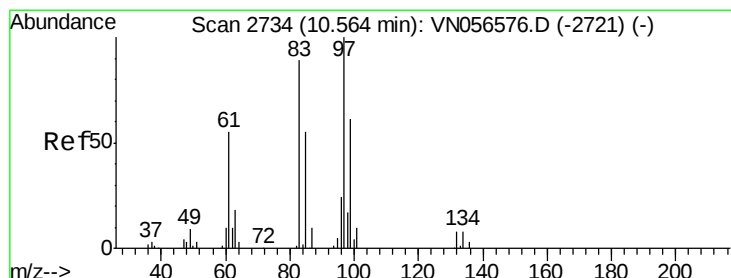
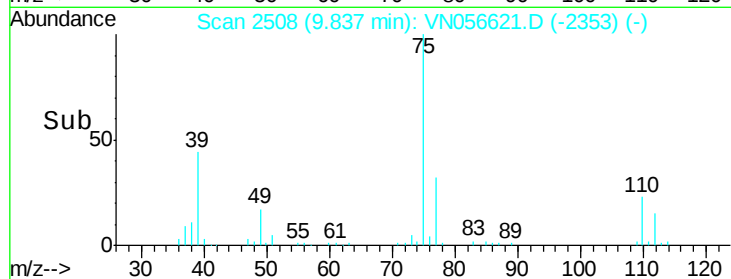
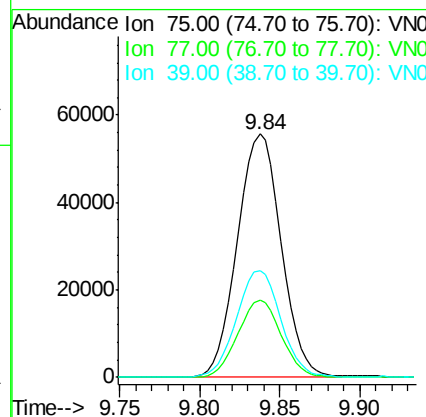
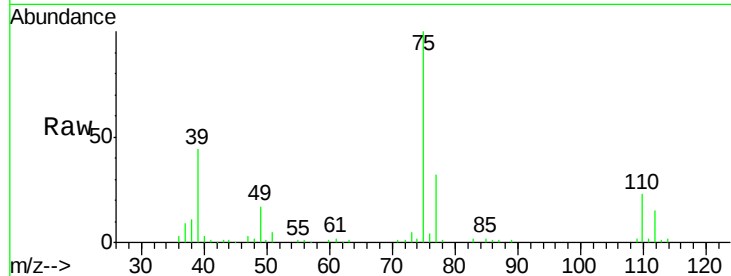
#49
 cis-1,3-Dichloropropene
 Concen: 19.496 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	43.7	34.3	51.5

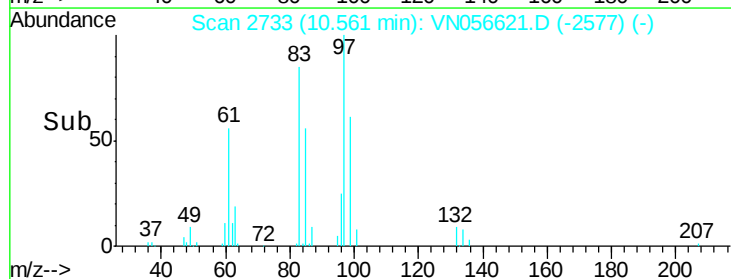
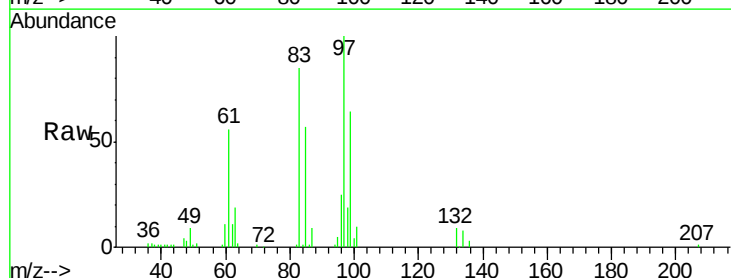
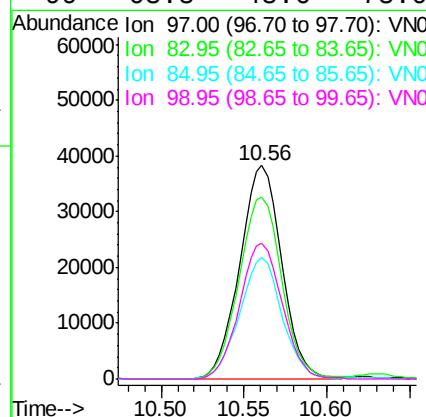
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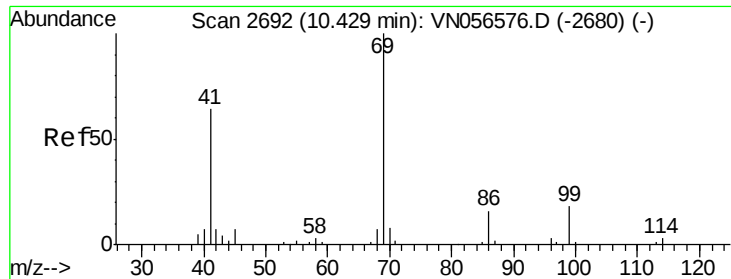
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 19.632 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.9	100.3
85	56.8	43.3	64.9
99	63.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.415 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

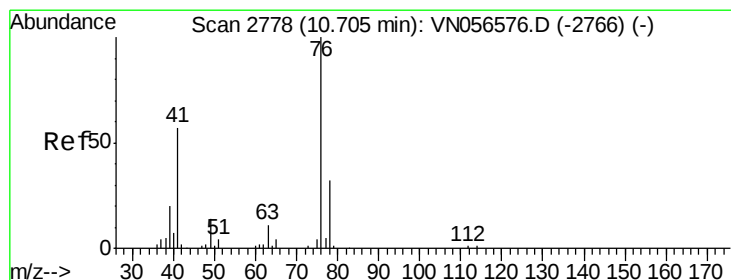
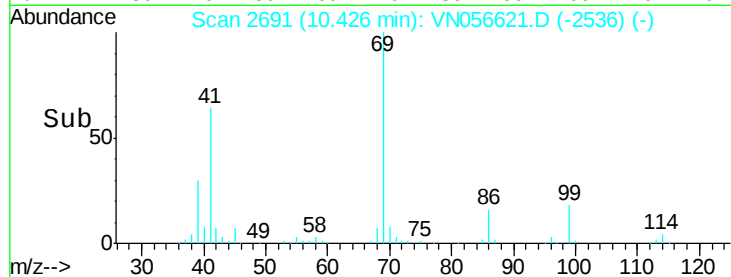
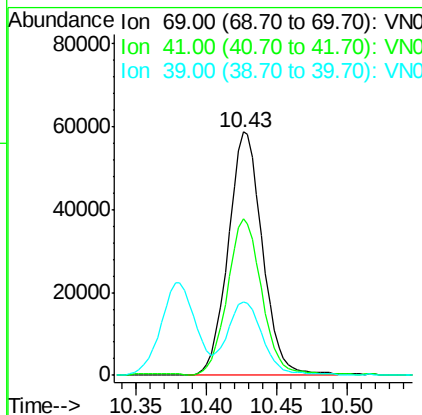
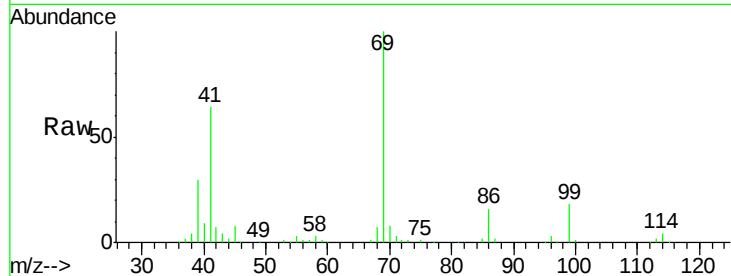
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	99921
Ion Ratio	Lower	Upper	
69	100		
41	63.7	30.8	92.3
39	29.7	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 19.235 ug/l

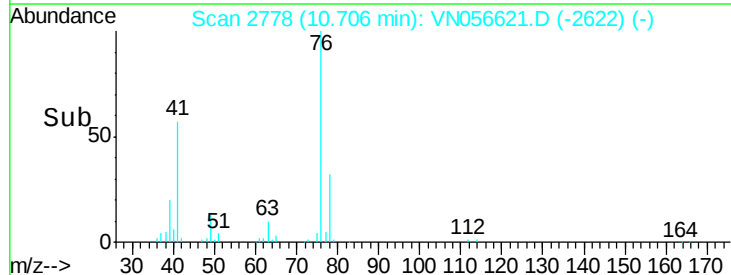
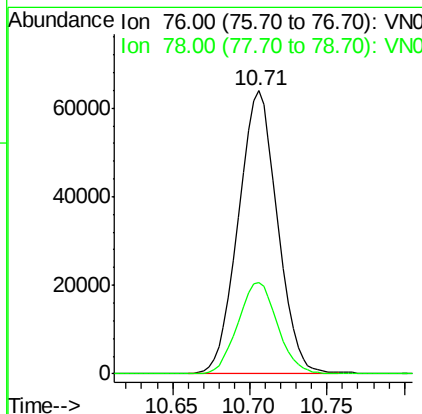
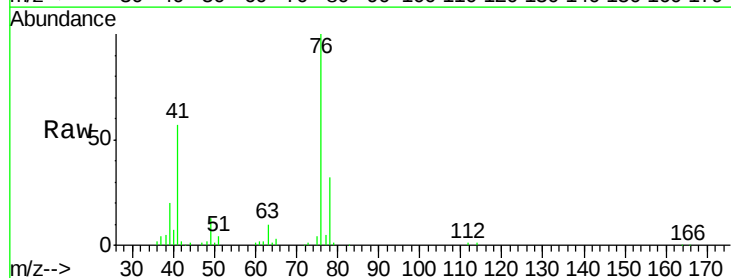
RT: 10.71 min Scan# 2778

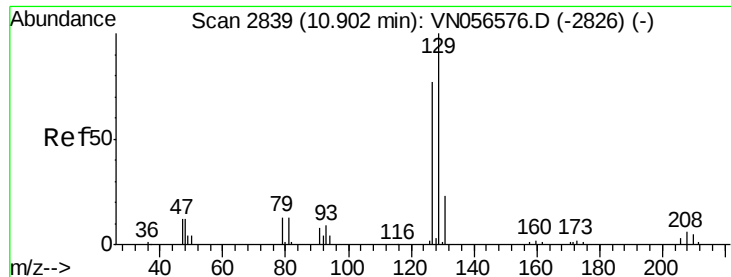
Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion:	76	Resp:	112603
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	63.4





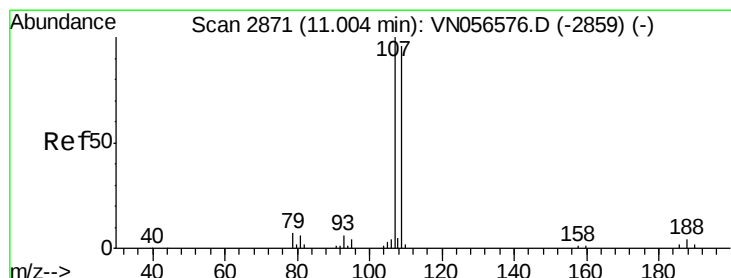
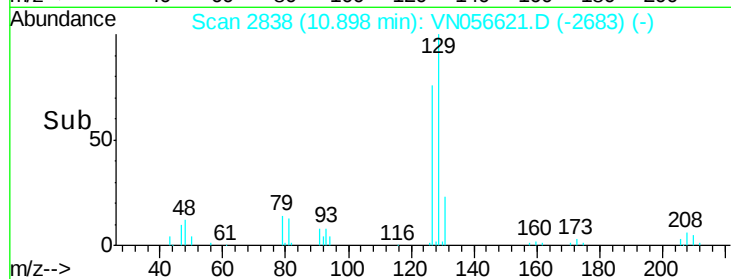
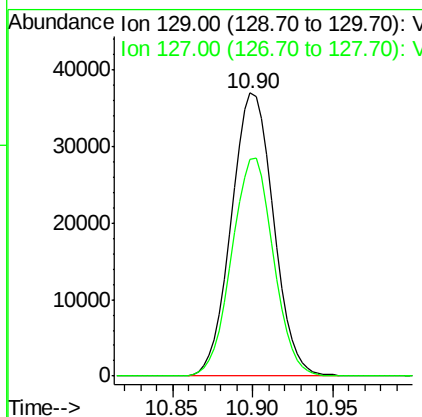
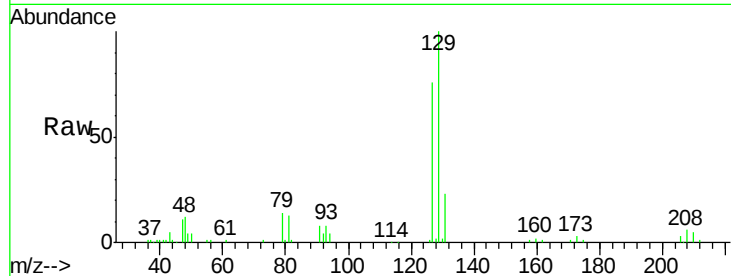
#53
 Dibromochloromethane
 Concen: 19.744 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 66671
 Ion Ratio Lower Upper
 129 100
 127 75.9 39.1 117.5

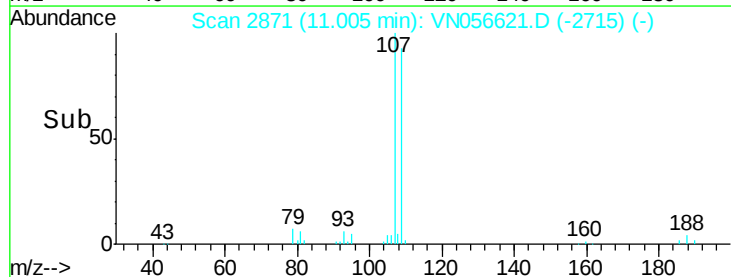
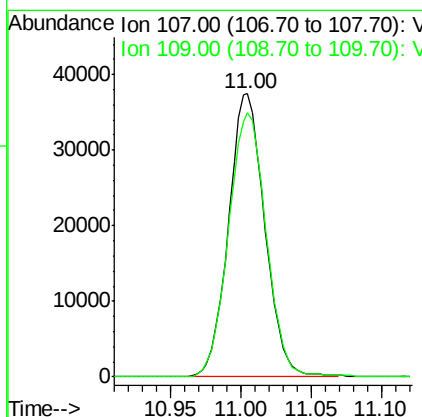
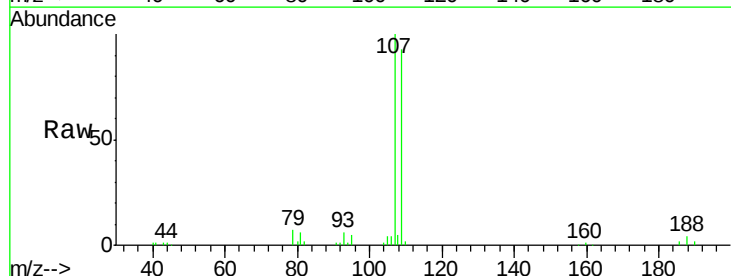
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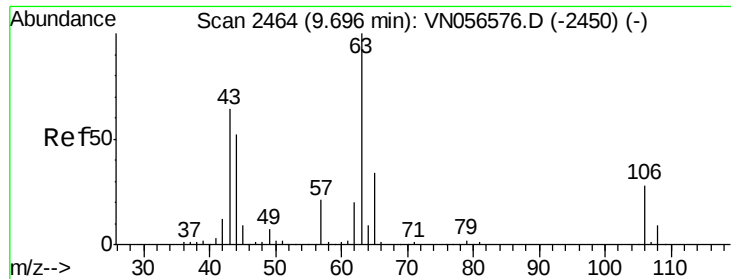
MMDadoda
 7/10/2019 9:18:00 AM



#54
 1,2-Dibromoethane
 Concen: 18.790 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion:107 Resp: 67452
 Ion Ratio Lower Upper
 107 100
 109 96.8 76.8 115.2





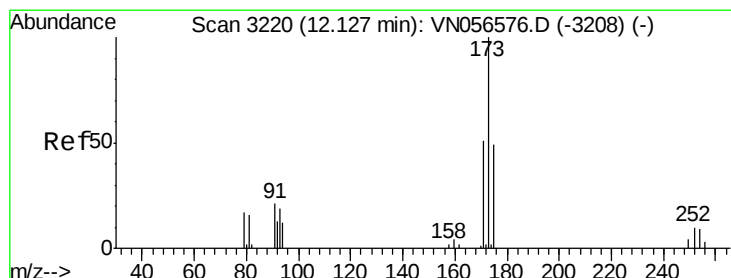
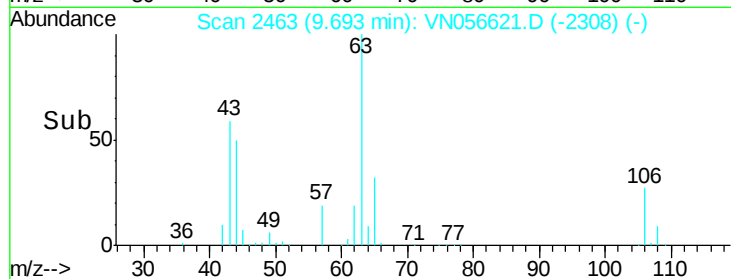
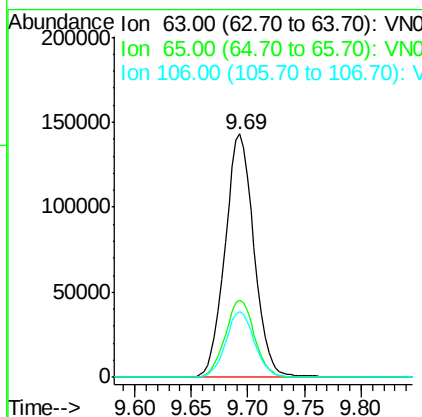
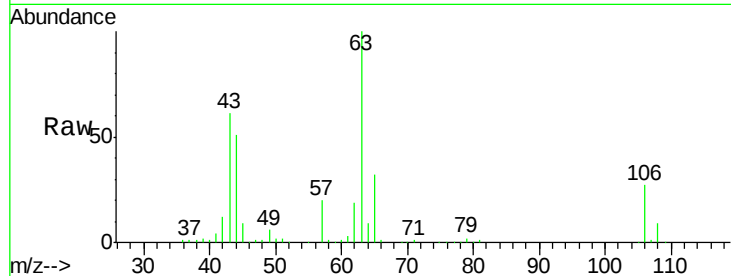
#55
2-Chloroethyl vinyl ether
Concen: 92.321 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	26.9	23.0	34.4

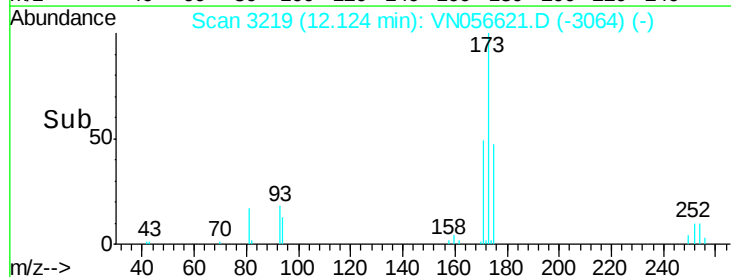
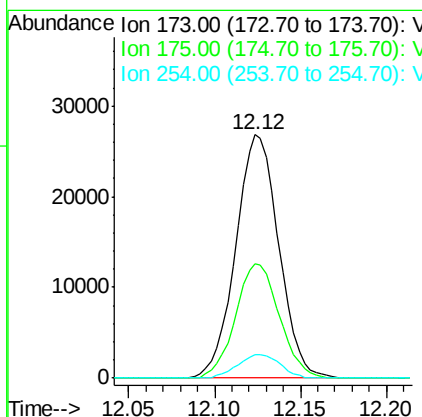
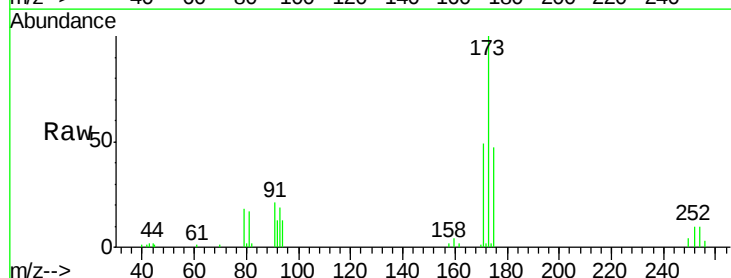
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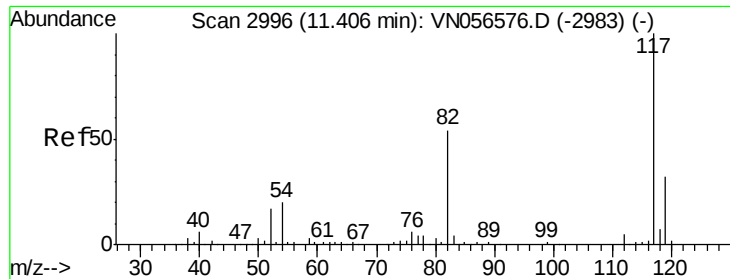
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#56
Bromoform
Concen: 19.035 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
254	9.5	6.6	9.8





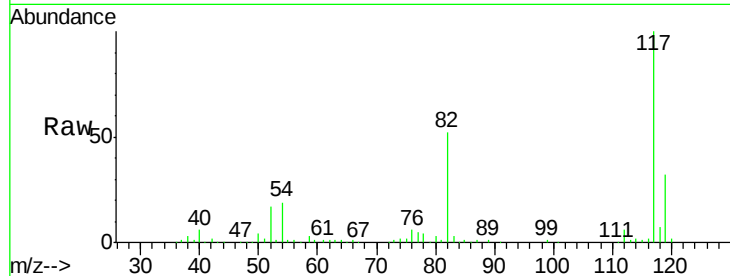
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

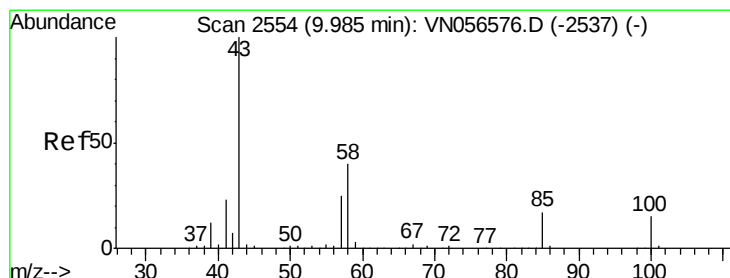
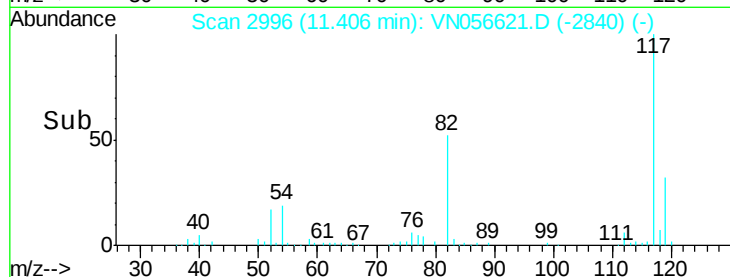
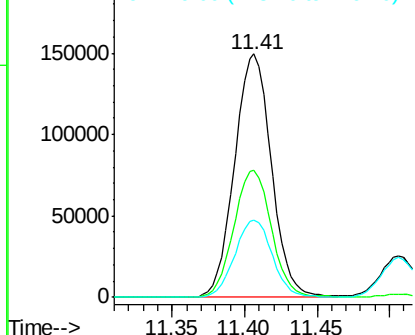
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.2	61.8
119	32.3	26.2	39.2

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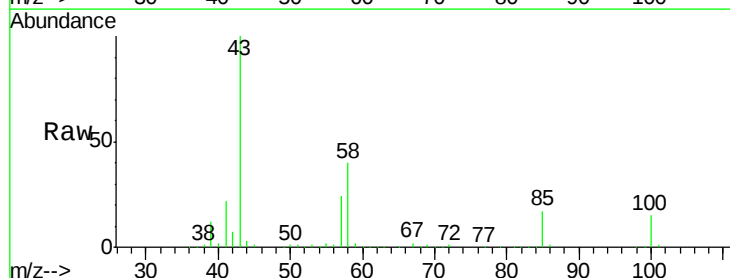


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

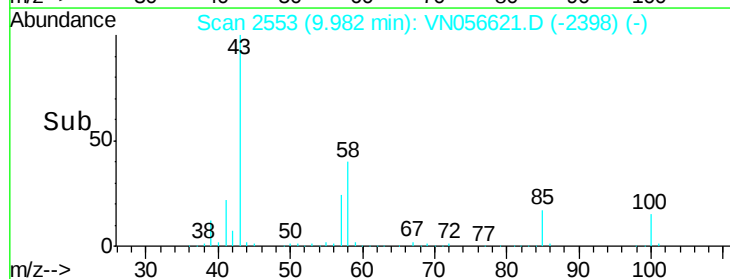
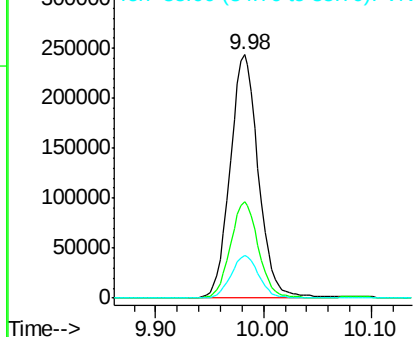


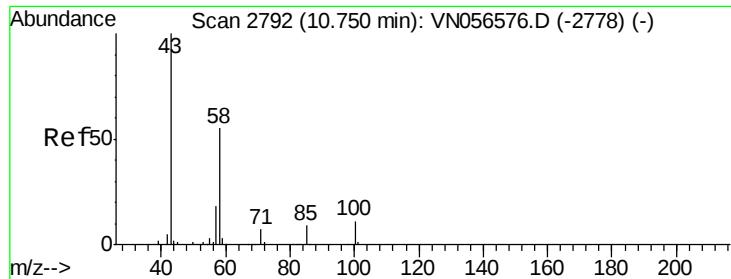
#58
4-Methyl-2-Pentanone
Concen: 93.187 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	33.1	49.7
85	17.3	15.5	23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





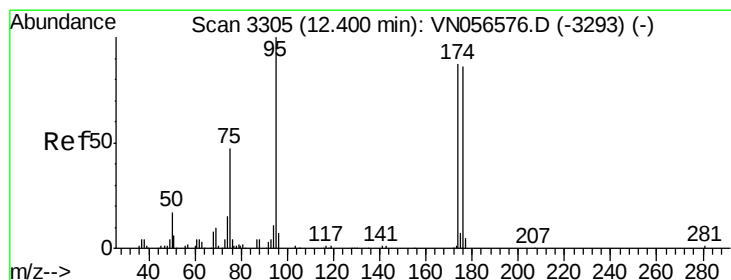
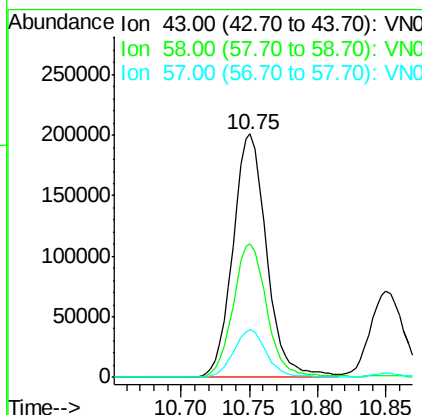
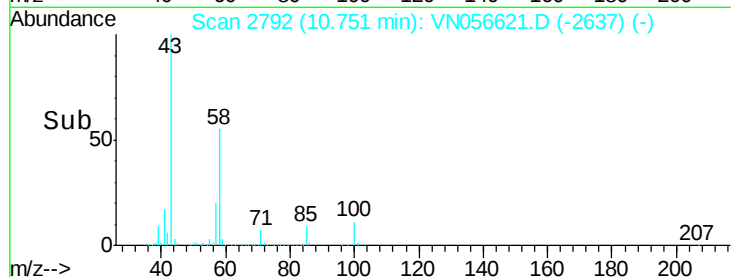
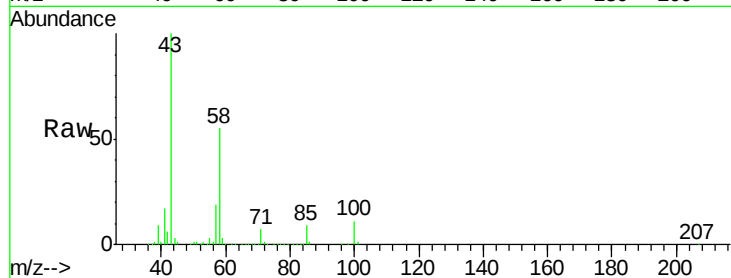
#59
2-Hexanone
Concen: 97.554 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	45.3	67.9
57	19.4	15.6	23.4

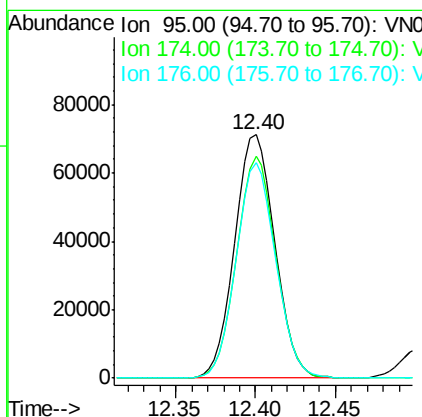
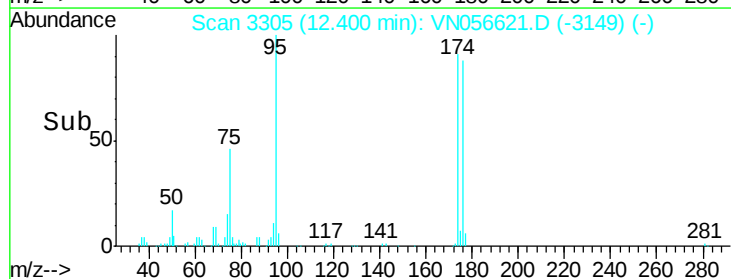
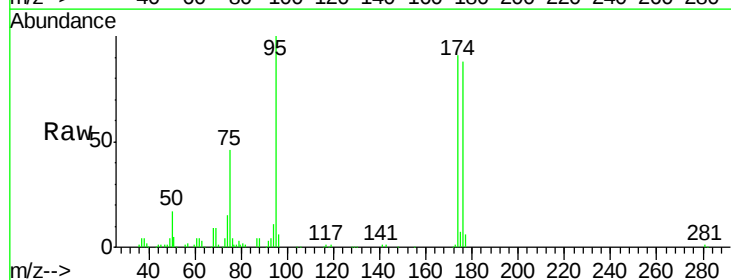
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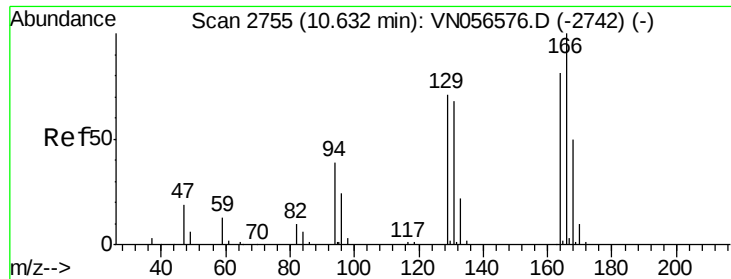
MMDadoda
7/10/2019 9:18:00 AM



#60
4-Bromofluorobenzene
Concen: 29.939 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	75.4	113.0
176	86.9	73.9	110.9





#61

Tetrachloroethene

Concen: 20.410 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 67881

Ion Ratio Lower Upper

164 100

166 127.1 104.3 156.5

129 89.0 71.5 107.3

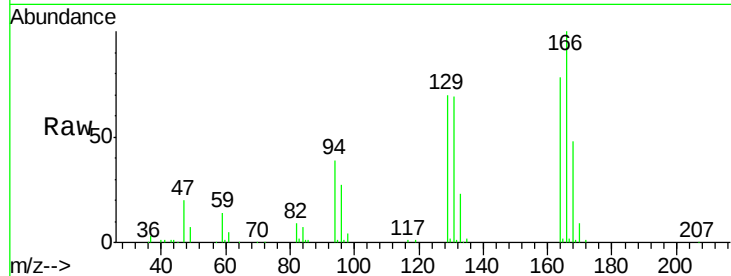
131 87.8 67.7 101.5

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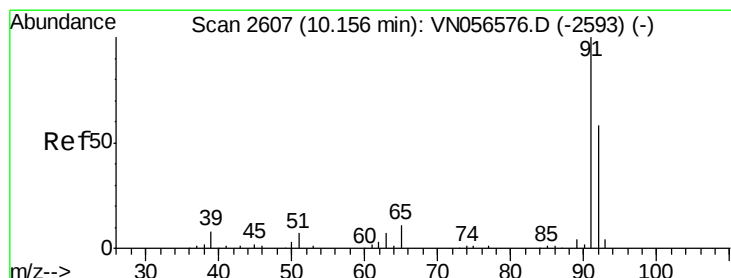
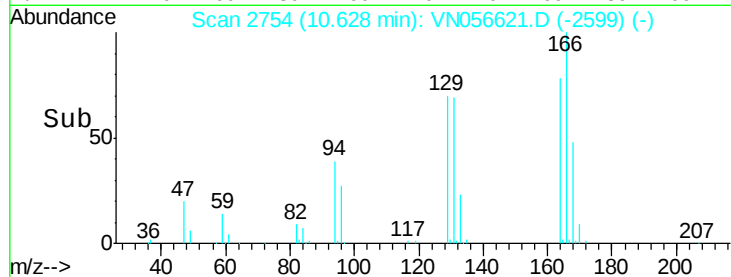
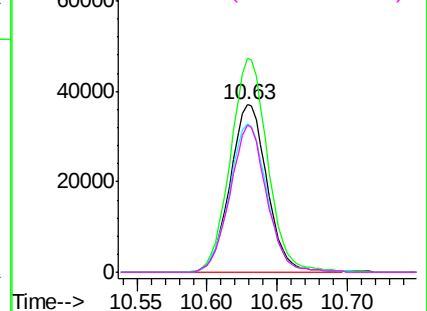


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.519 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056621.D

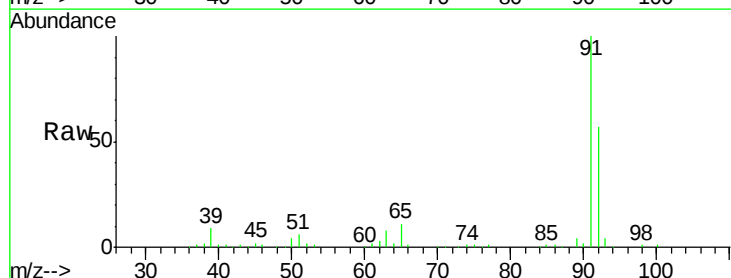
Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 288651

Ion Ratio Lower Upper

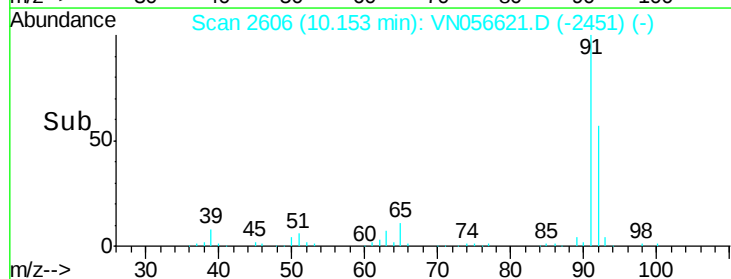
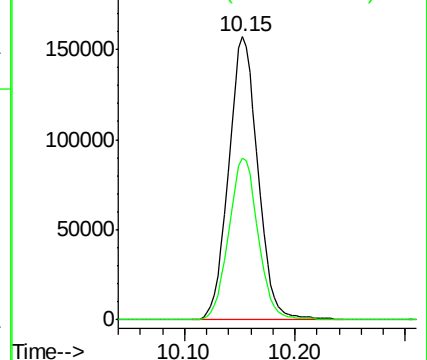
91 100

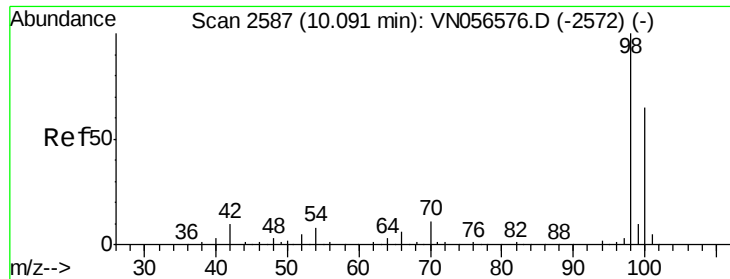
92 57.7 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





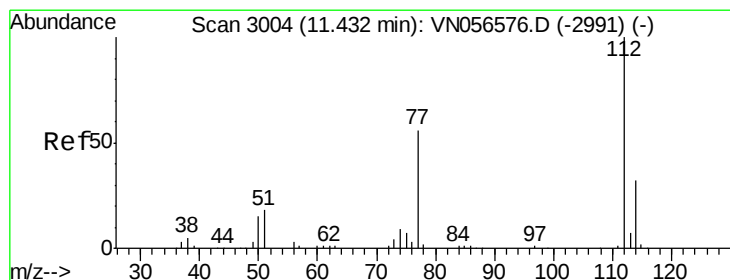
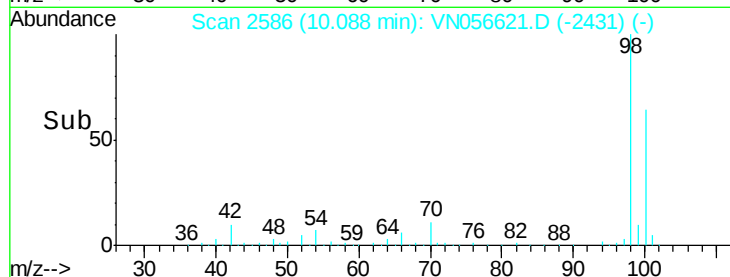
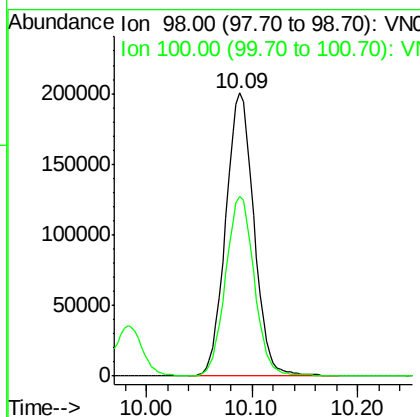
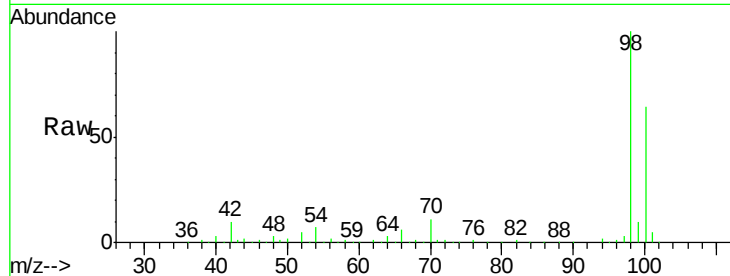
#63
Toluene-d8
Concen: 30.220 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 372101
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

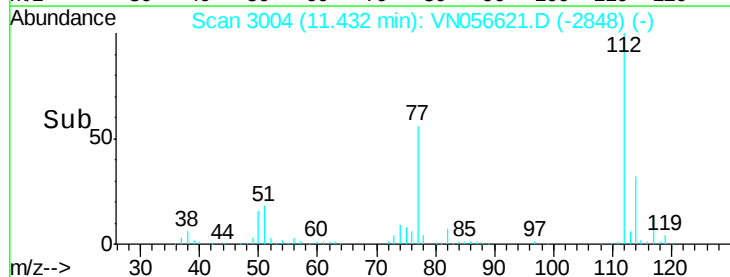
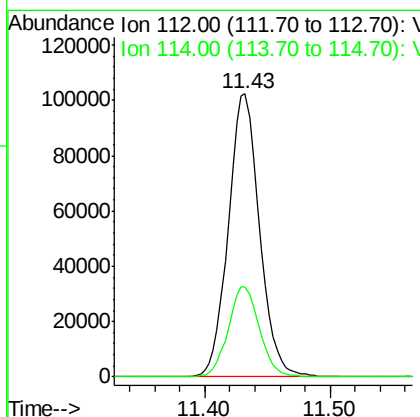
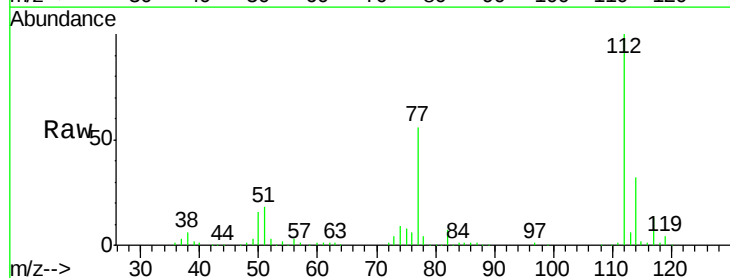
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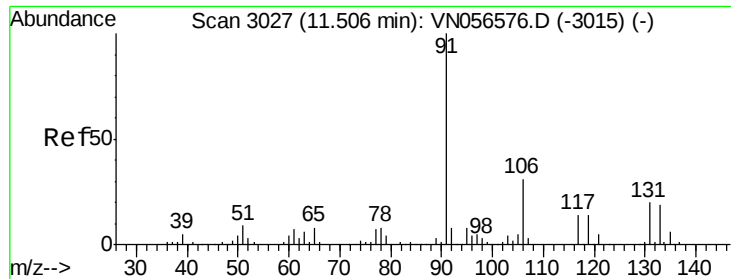
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#64
Chlorobenzene
Concen: 19.846 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 112 Resp: 176819
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.789 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

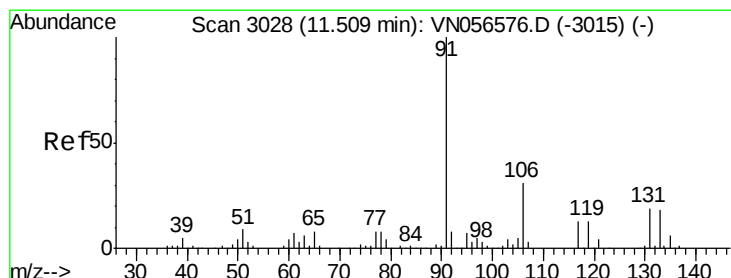
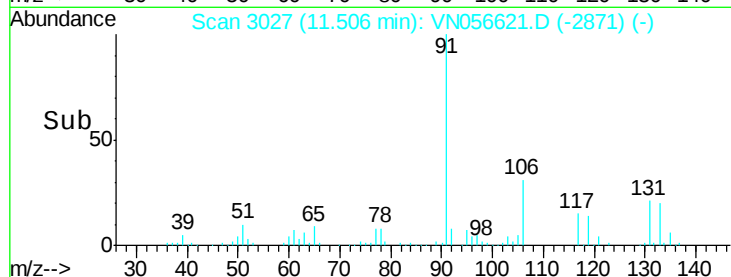
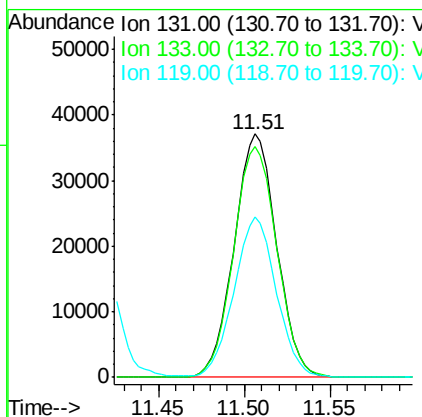
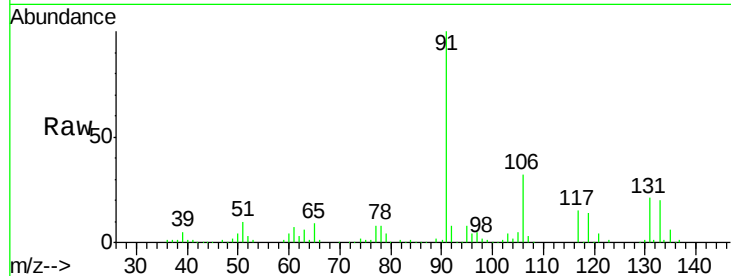
ClientSampleId :

VSTDCCC020

Tot Ion:131 Resp: 63497
 Ion Ratio Lower Upper
 131 100
 133 97.0 0.0 193.8
 119 65.6 0.0 134.4

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#66

Ethyl Benzene

Concen: 19.185 ug/l

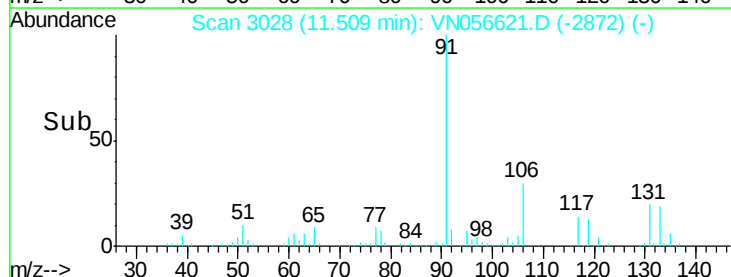
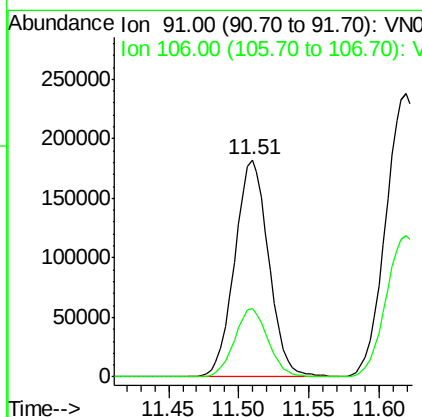
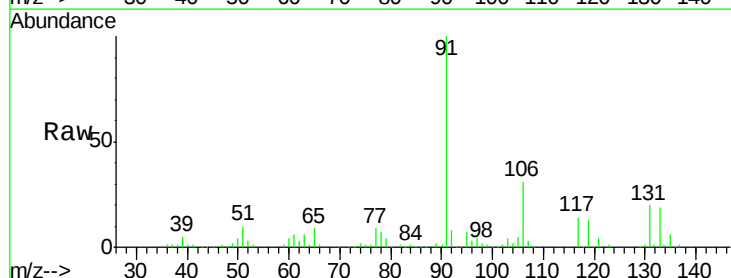
RT: 11.51 min Scan# 3028

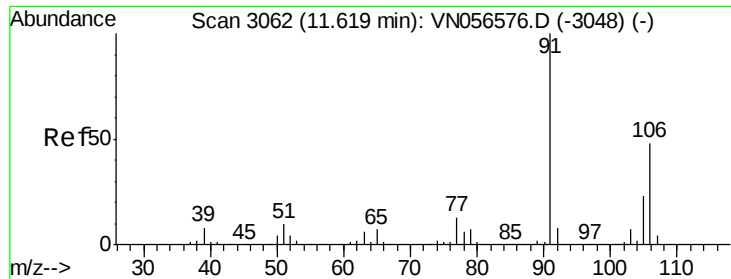
Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 307620
 Ion Ratio Lower Upper
 91 100
 106 31.2 25.7 38.5





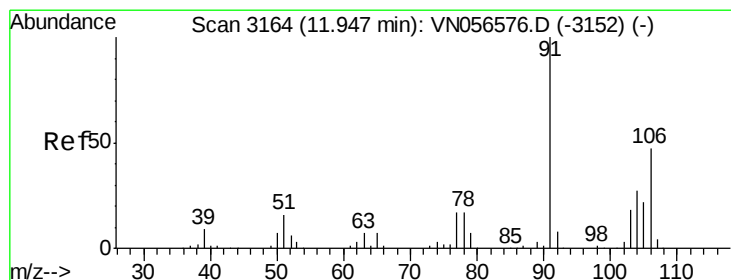
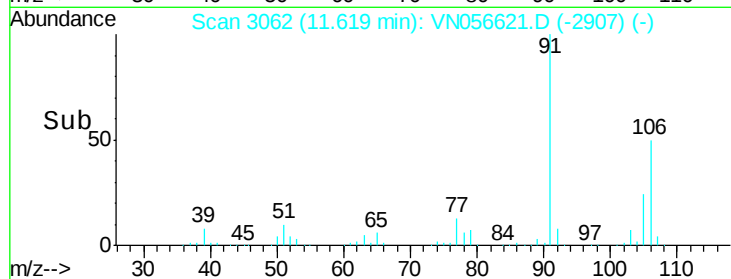
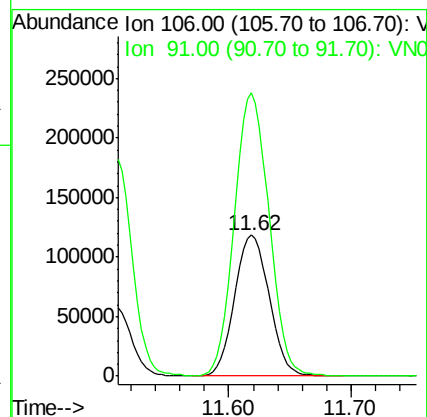
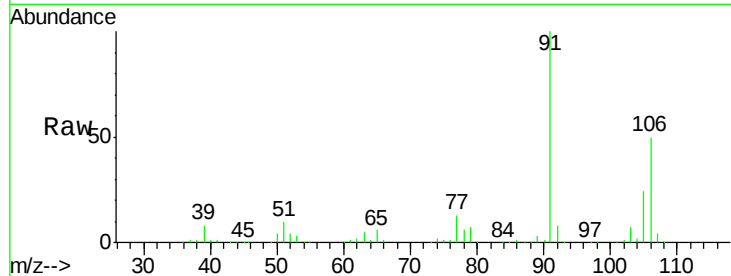
#67
m/p-Xylenes
Concen: 39.477 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 233605
Ion Ratio Lower Upper
106 100
91 200.6 155.7 233.5

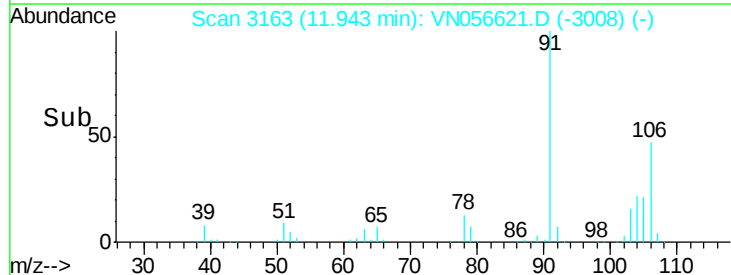
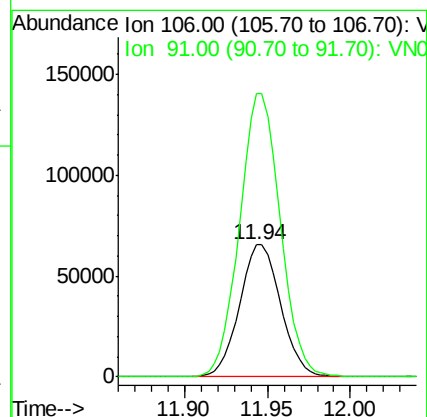
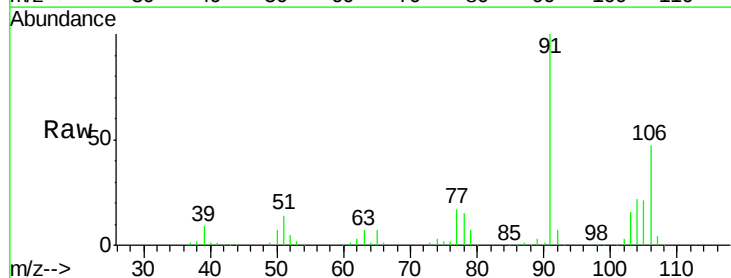
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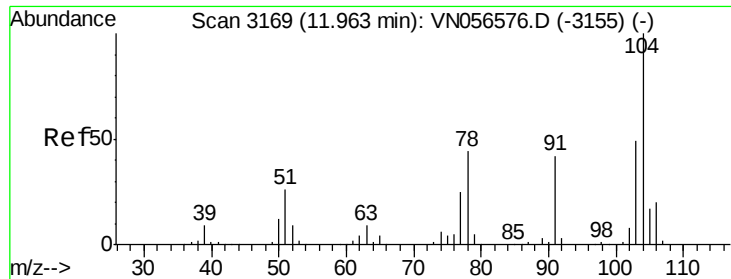
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#68
o-Xylene
Concen: 19.324 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:106 Resp: 113086
Ion Ratio Lower Upper
106 100
91 212.0 103.9 311.7





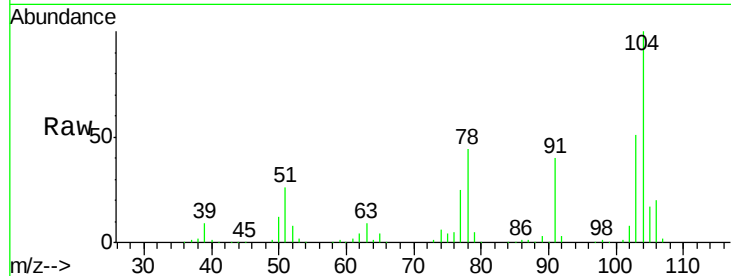
#69
Stvrene
Concen: 19.185 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

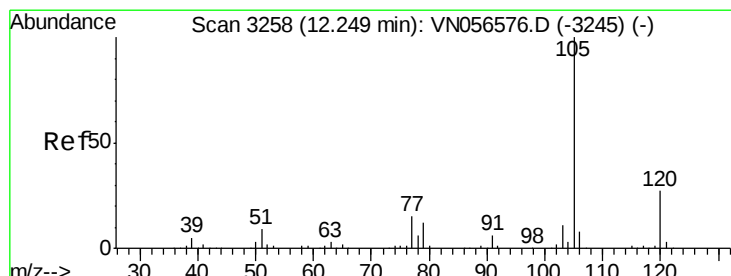
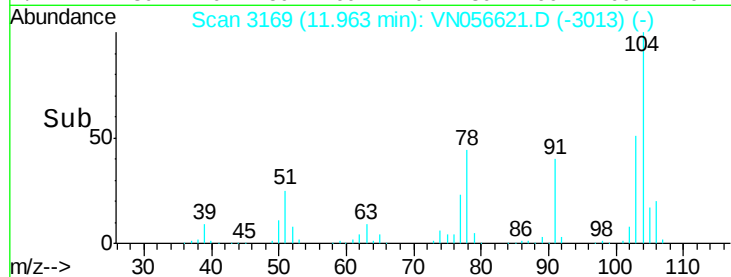
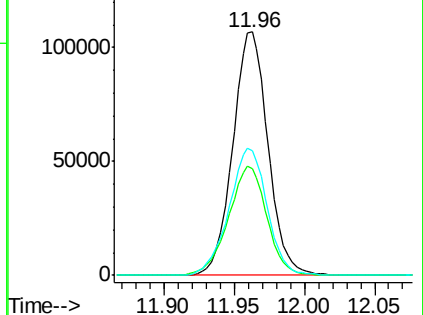
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	37.0	55.6
103	56.4	44.4	66.6

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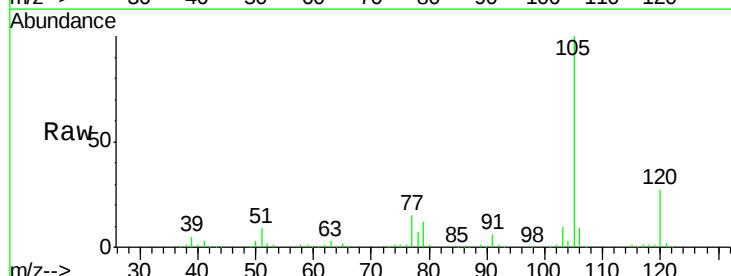


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

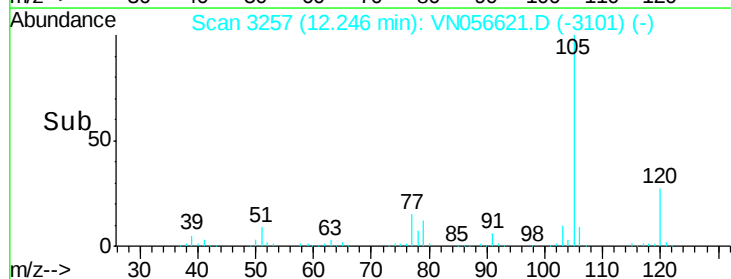
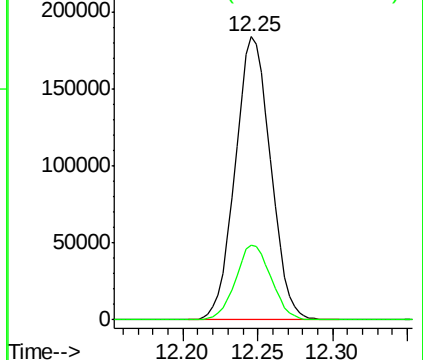


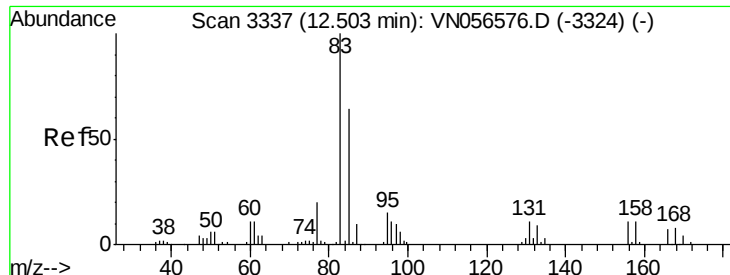
#70
Isopropylbenzene
Concen: 19.811 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.3	35.8



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





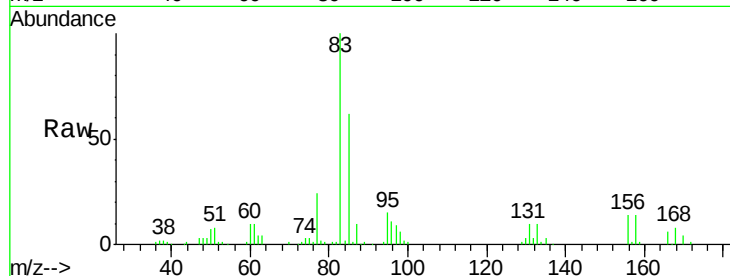
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.956 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

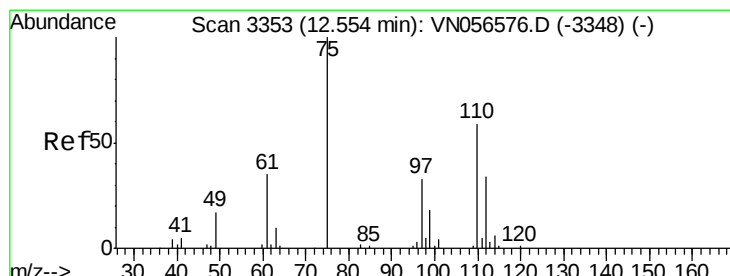
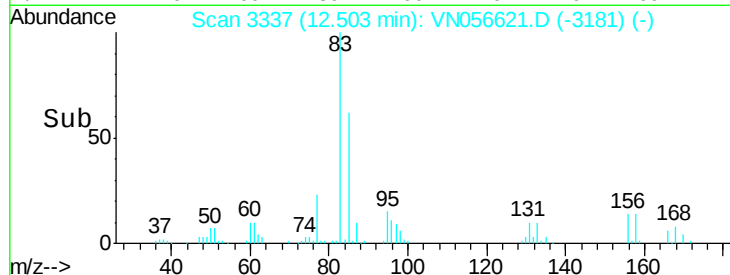
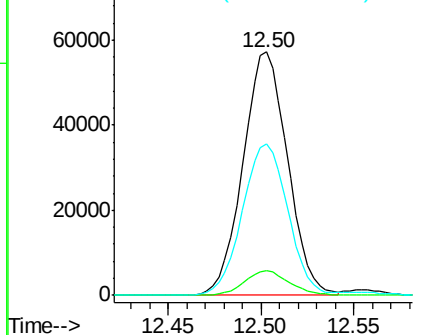
Tot Ion	83	Resp	95689
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	63.4	31.6	94.7

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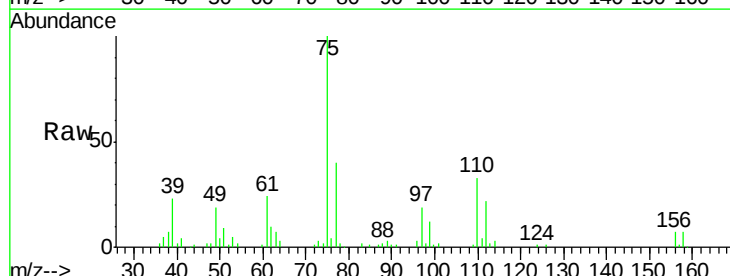


Abundance Ion 83.00 (82.70 to 83.70): VN056621.D (-3181) (-)
 Ion 131.00 (130.70 to 131.70): VN056621.D (-3181) (-)
 Ion 85.00 (84.70 to 85.70): VN056621.D (-3181) (-)

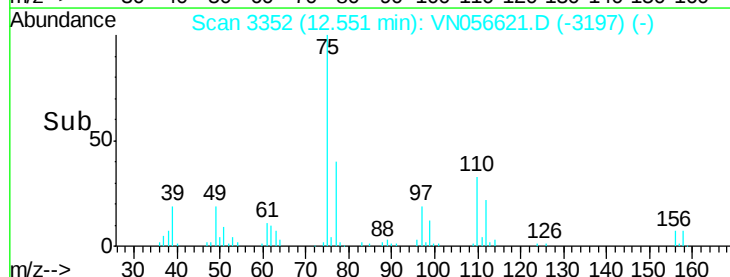
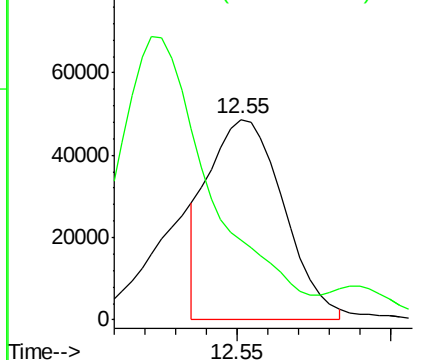


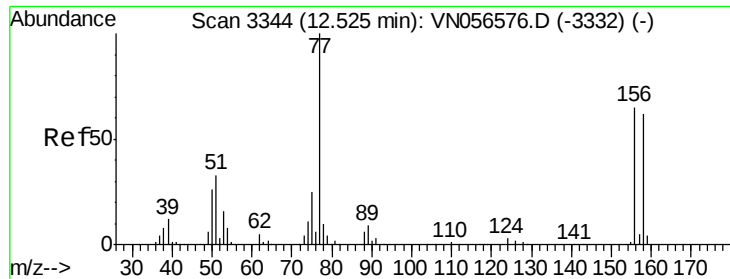
#72
 1,2,3-Trichloropropane
 Concen: 19.370 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	75	Resp	82225
Ion Ratio	100	Lower	Upper
75	100		
77	178.1	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056621.D (-3197) (-)
 Ion 77.00 (76.70 to 77.70): VN056621.D (-3197) (-)





#73

Bromobenzene

Concen: 19.264 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

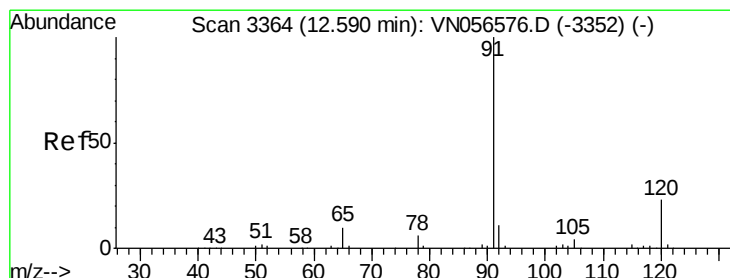
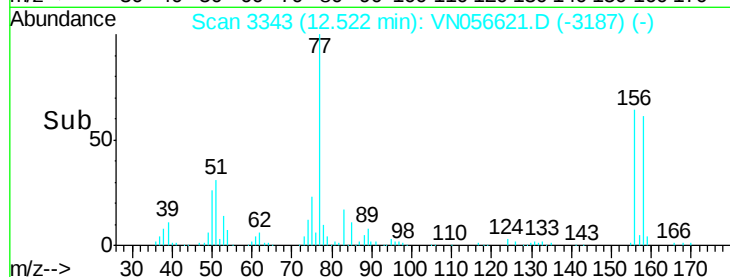
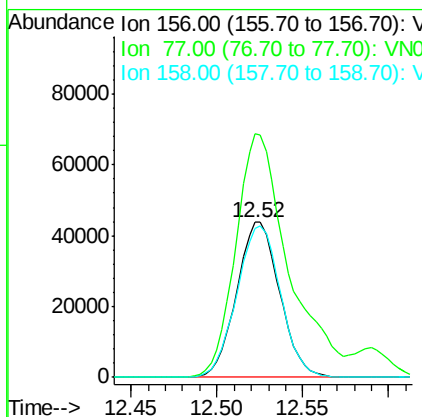
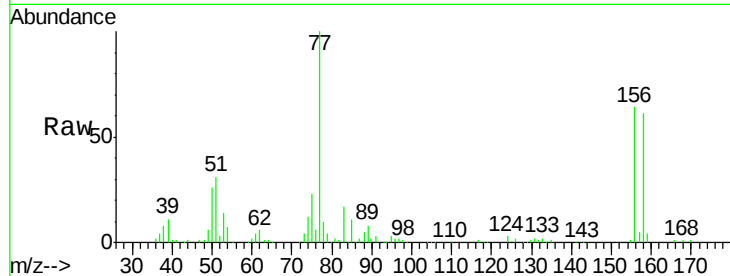
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	75861
Ion Ratio	Lower	Upper	
156	100		
77	193.0	0.0	350.8
158	99.5	0.0	193.2

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#74

n-propylbenzene

Concen: 19.541 ug/l

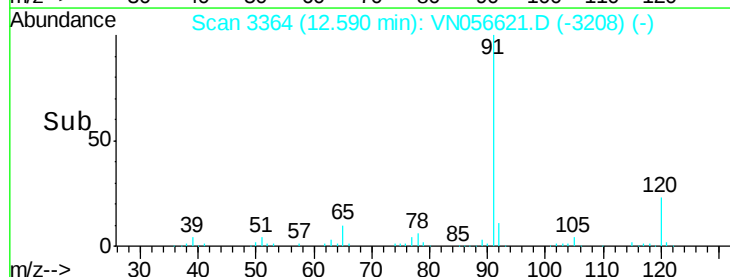
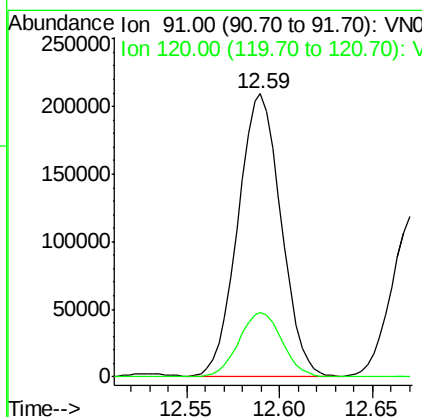
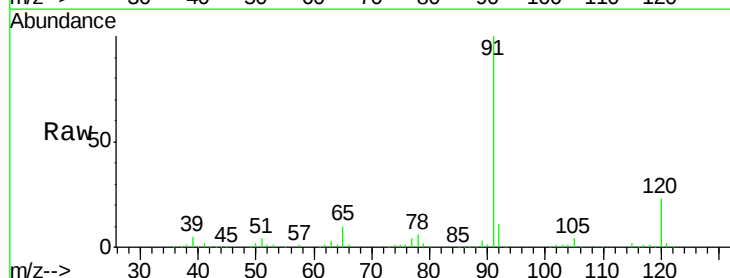
RT: 12.59 min Scan# 3364

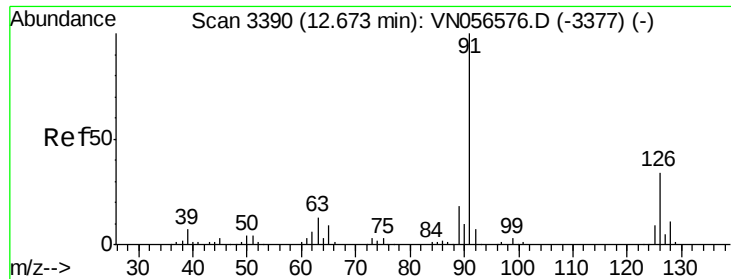
Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion:	91	Resp:	338502
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.627 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 203310

Ion Ratio Lower Upper

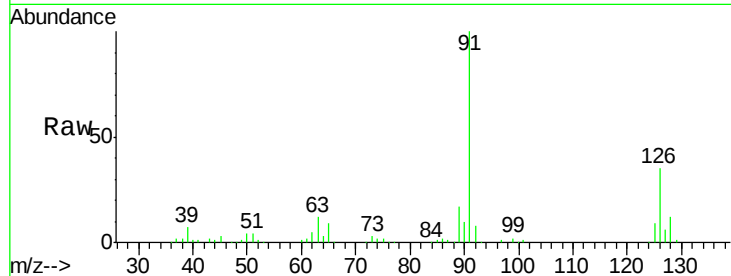
91 100

126 34.5 0.0 72.4

Manual Integrations
APPROVED

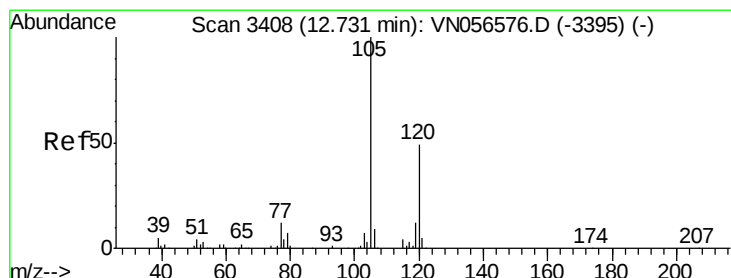
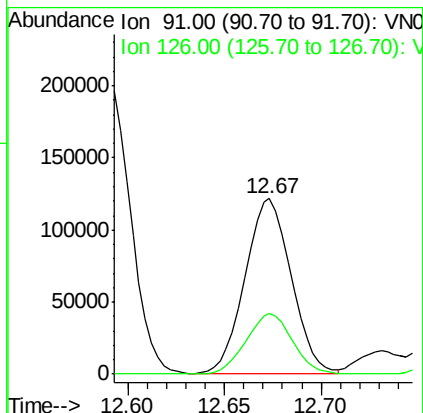
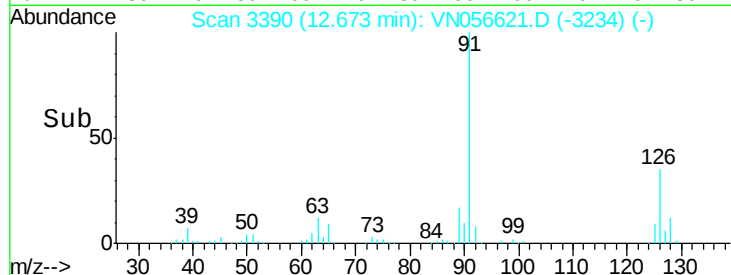
MMDadoda

7/10/2019 9:18:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.767 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056621.D

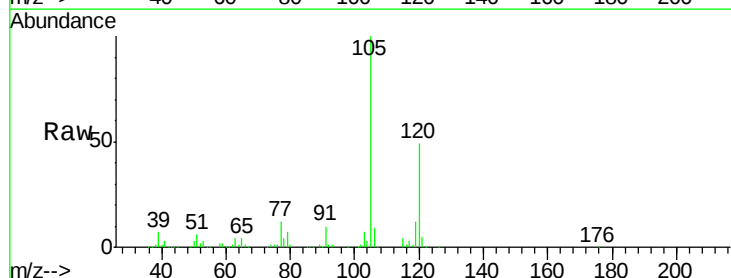
Acq: 9 Jul 2019 10:04

Tgt Ion: 105 Resp: 255580

Ion Ratio Lower Upper

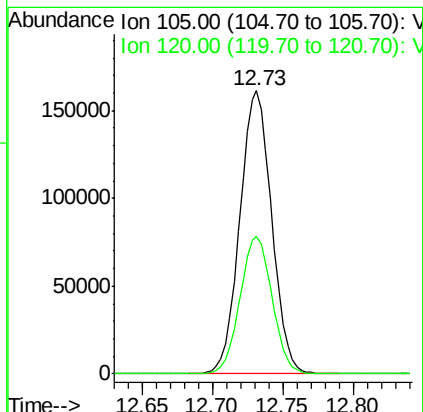
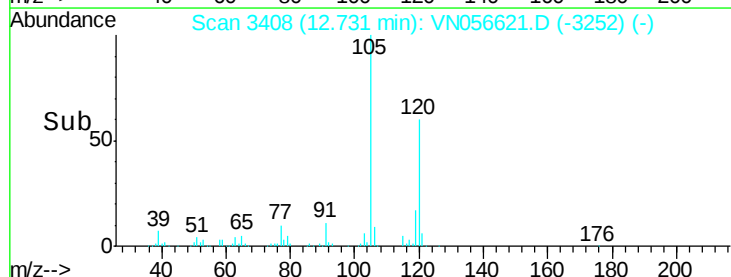
105 100

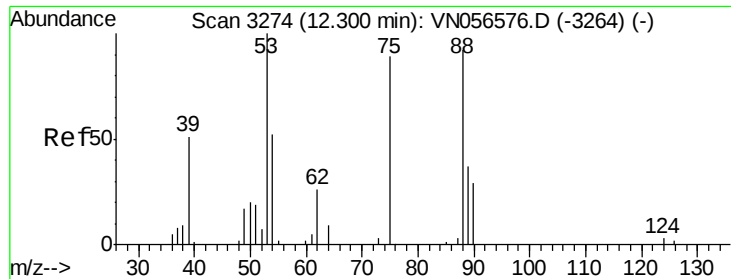
120 49.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





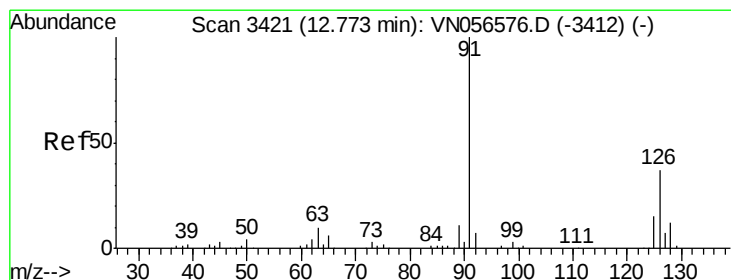
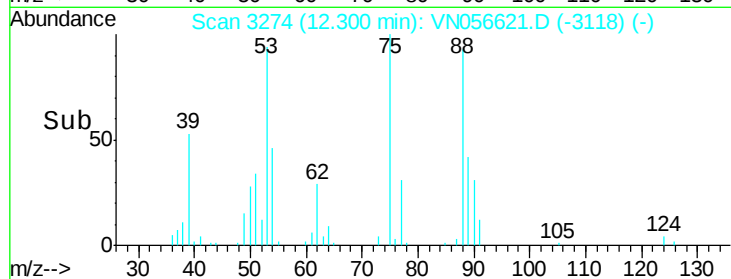
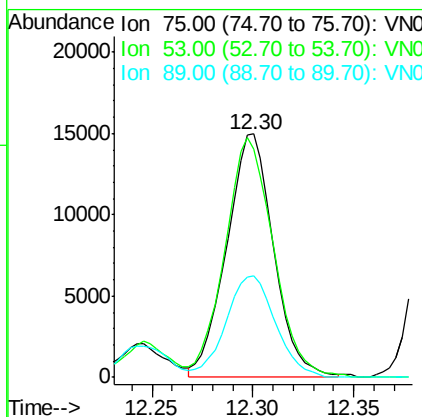
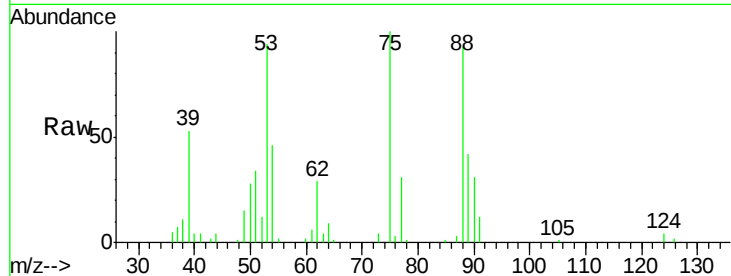
#77
t-1,4-Dichloro-2-butene
Concen: 17.983 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	48.0	144.0
89	42.0	22.5	67.5

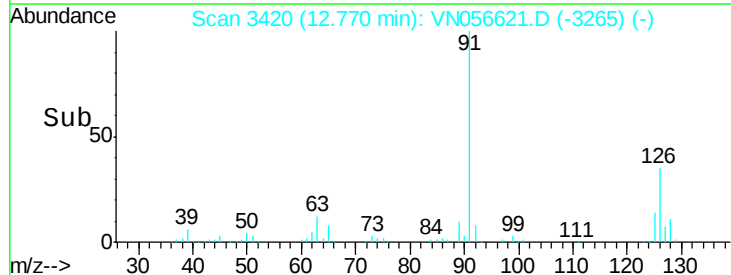
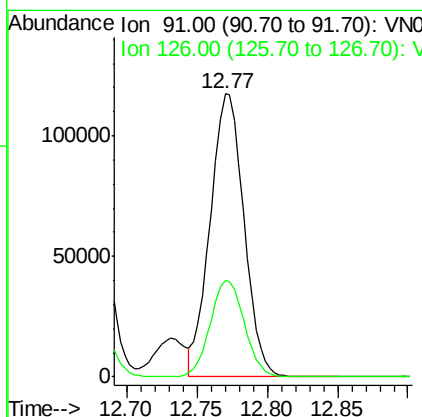
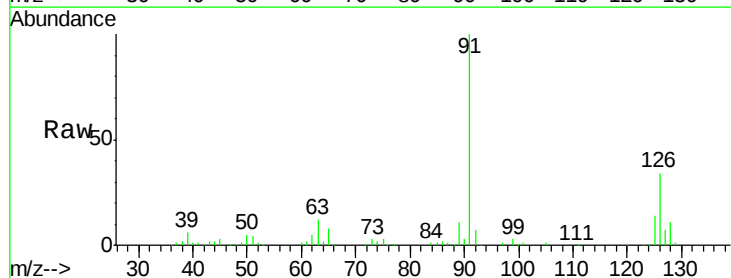
Manual Integrations
APPROVED

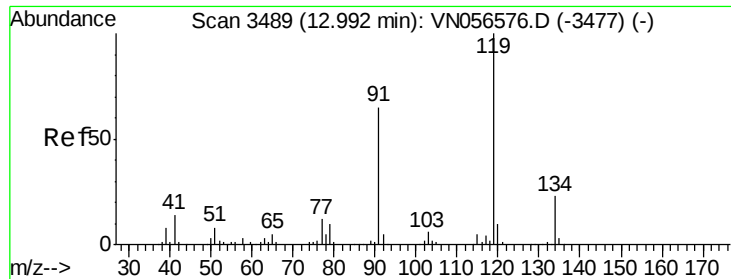
MMDadoda
7/10/2019 9:18:00 AM



#78
4-Chlorotoluene
Concen: 19.390 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	71.8





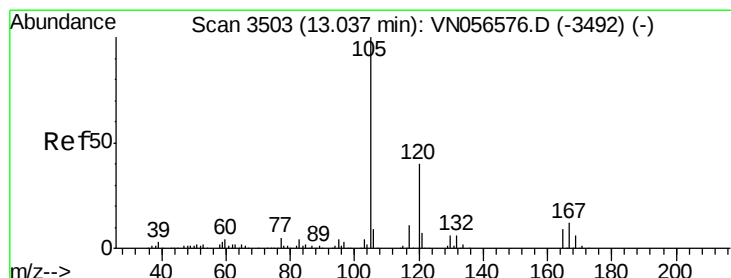
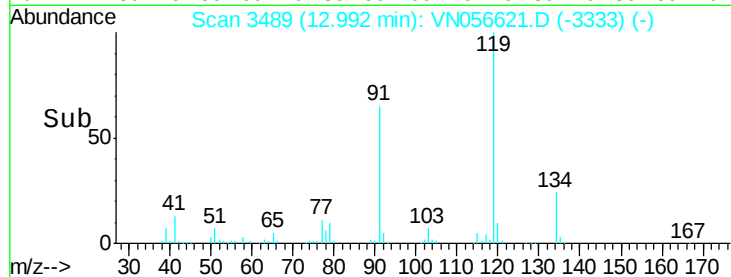
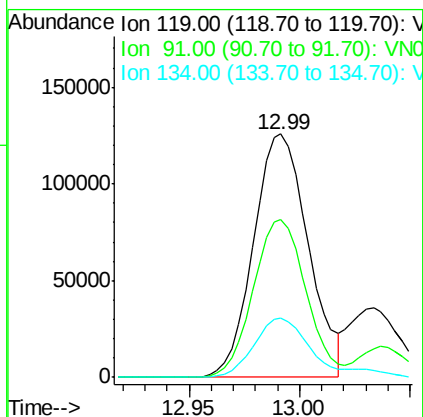
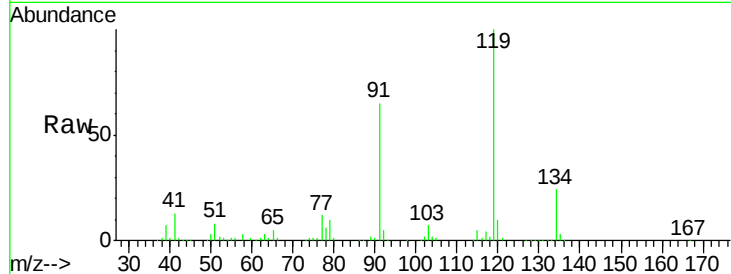
#79
tert-butylbenzene
Concen: 19.545 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215916		
91	62.8	0.0	122.8	
134	24.0	0.0	50.2	

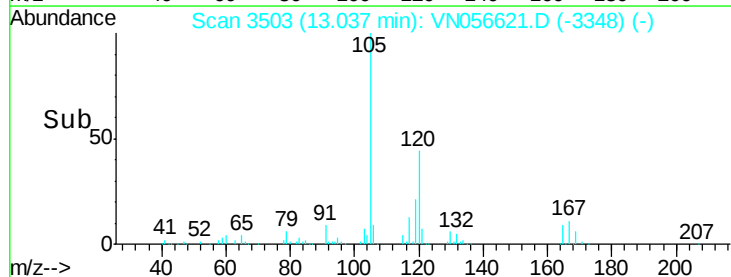
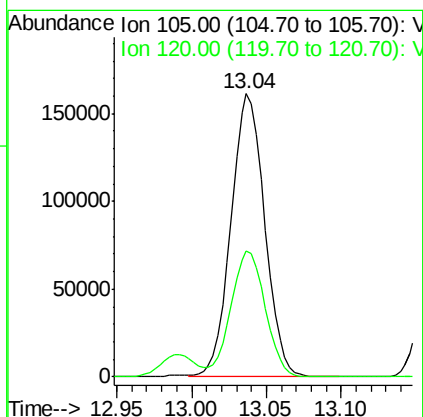
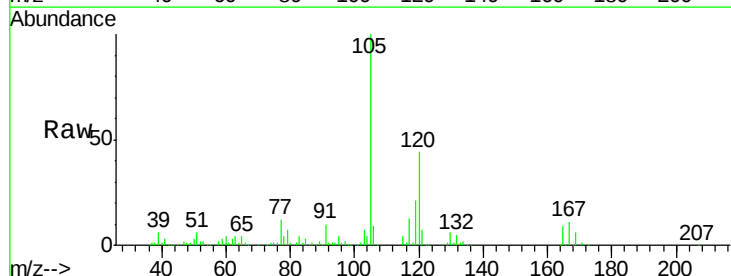
Manual Integrations
APPROVED

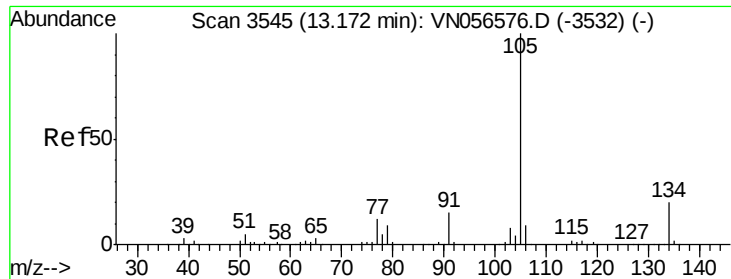
MMDadoda
7/10/2019 9:18:00 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.777 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252557		
120	45.5	0.0	93.4	





#81

sec-Butylbenzene

Concen: 19.460 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 285075

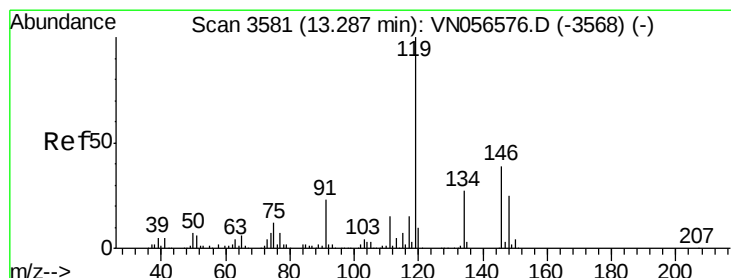
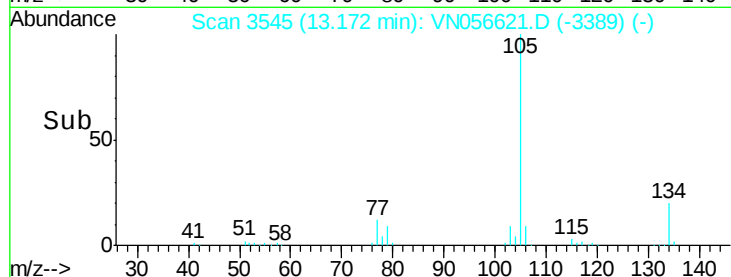
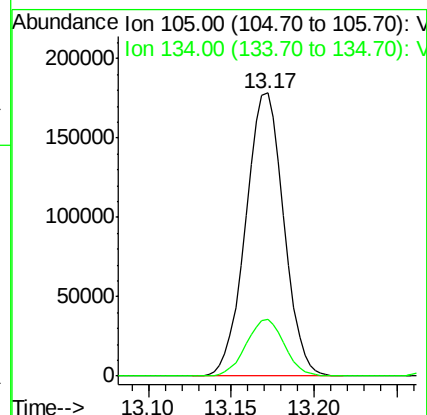
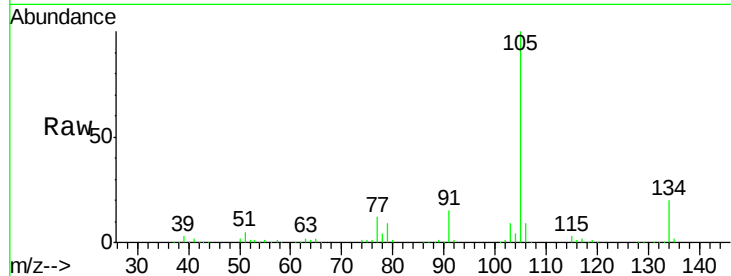
Ion Ratio Lower Upper

105 100

134 20.0 0.0 41.8

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:00 AM



#82

p-Isopropyltoluene

Concen: 19.572 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

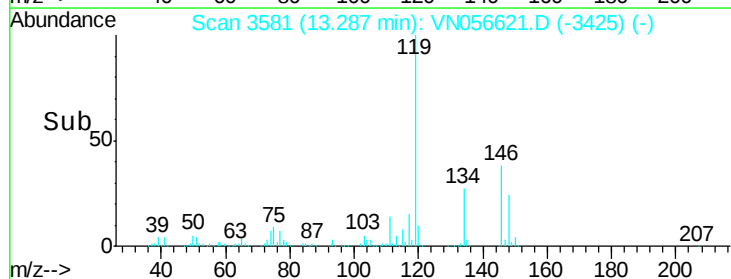
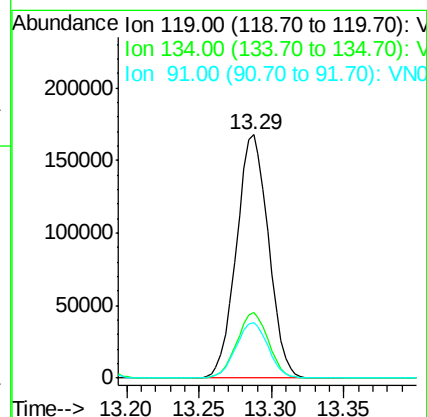
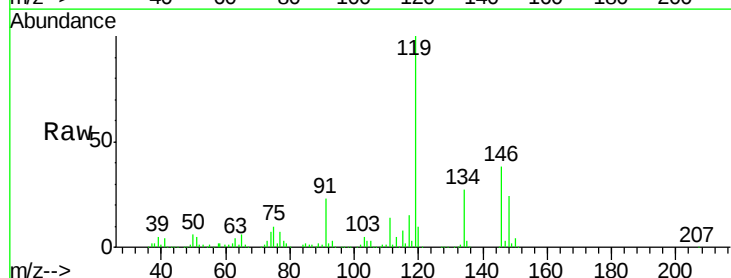
Tgt Ion:119 Resp: 257779

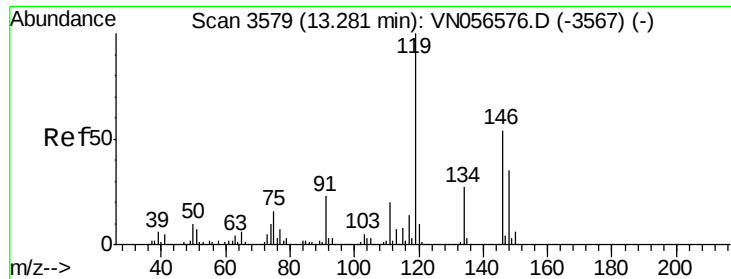
Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.4

91 22.9 0.0 43.0





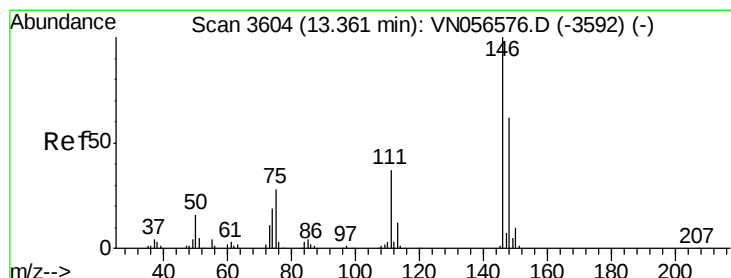
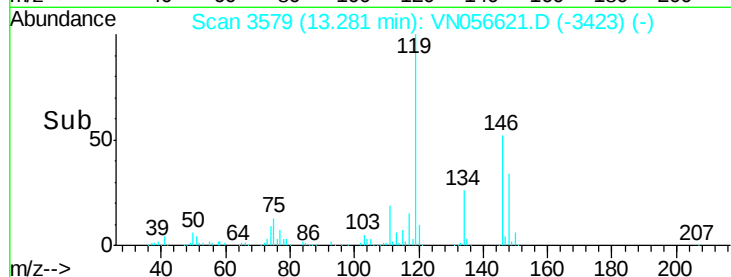
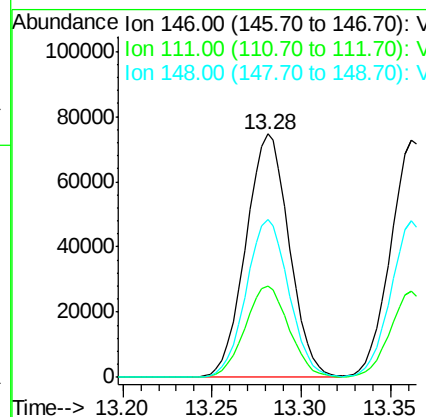
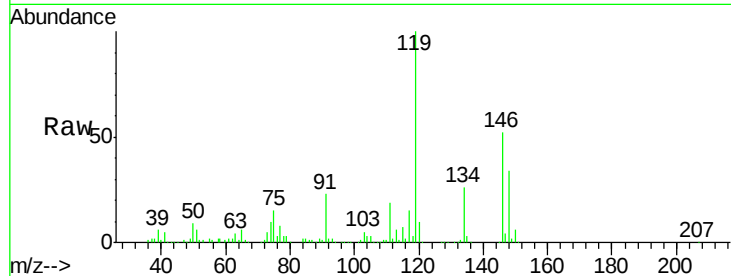
#83
 1,3-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.2	54.6
148	64.0	31.9	95.9

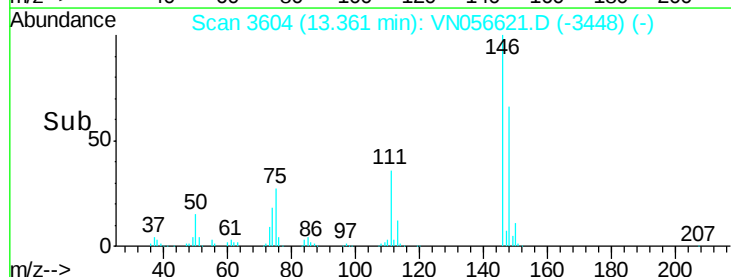
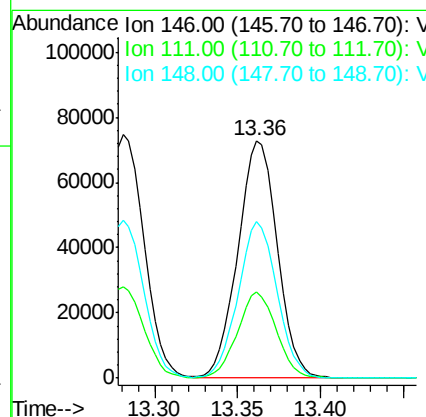
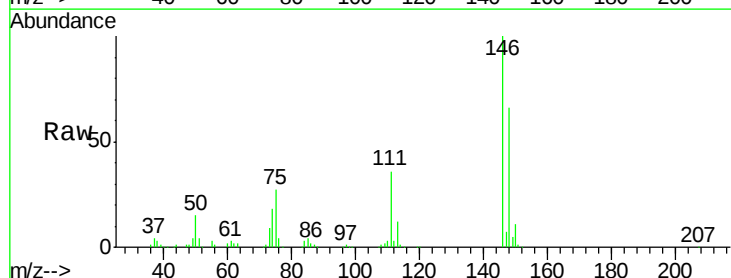
Manual Integrations
 APPROVED

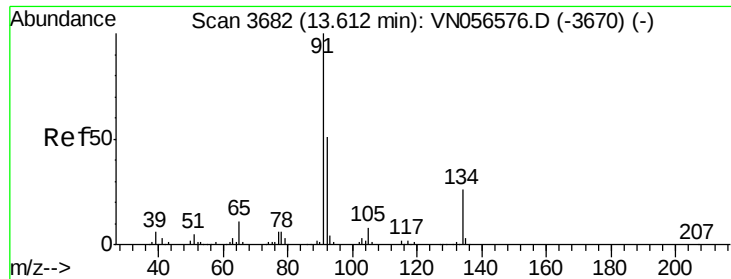
MMDadoda
 7/10/2019 9:18:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.019 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.6	52.9
148	65.5	32.1	96.3





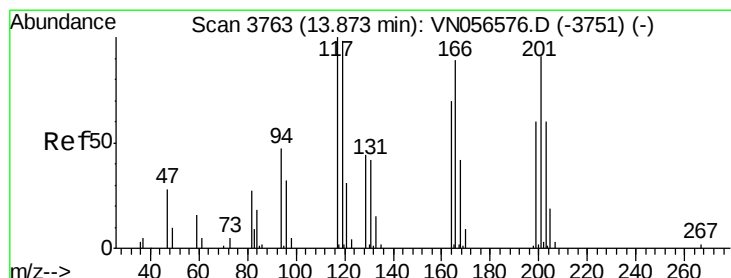
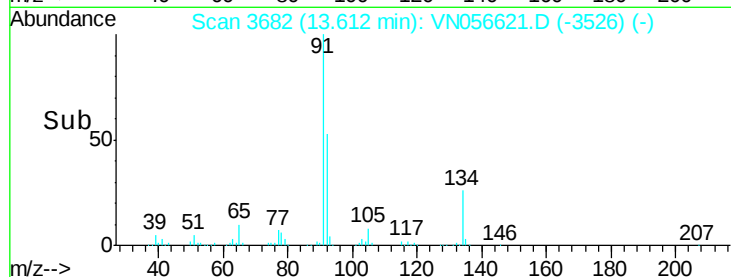
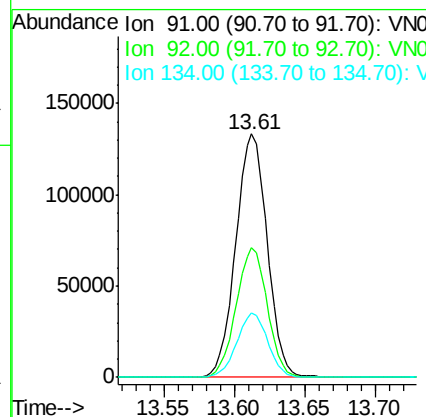
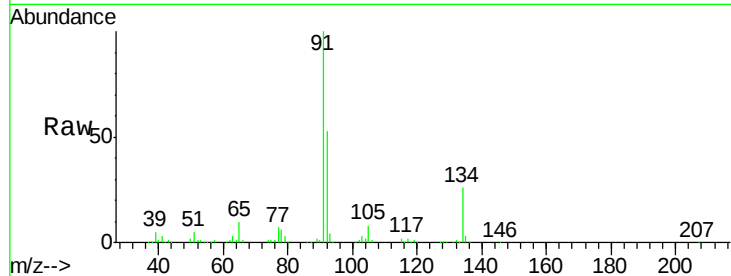
#85
n-Butylbenzene
Concen: 18.845 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208581		
92	52.5		0.0	107.2
134	26.0		0.0	55.8

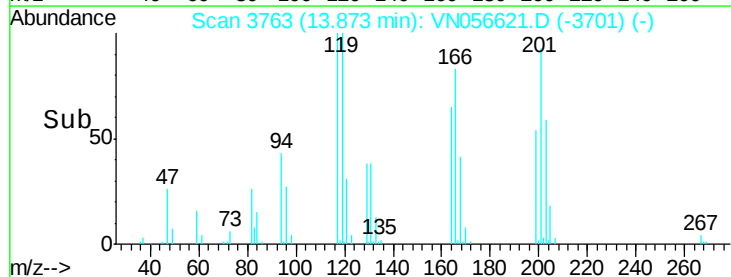
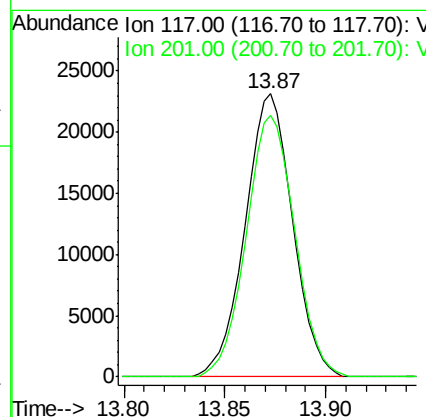
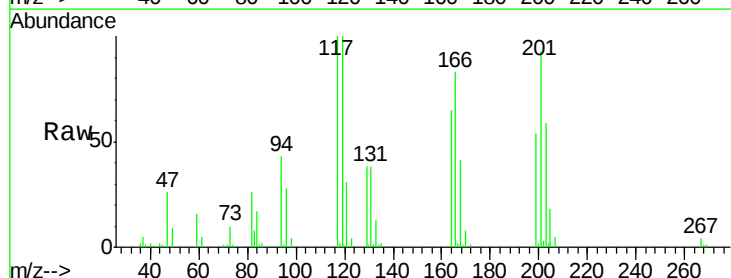
Manual Integrations
APPROVED

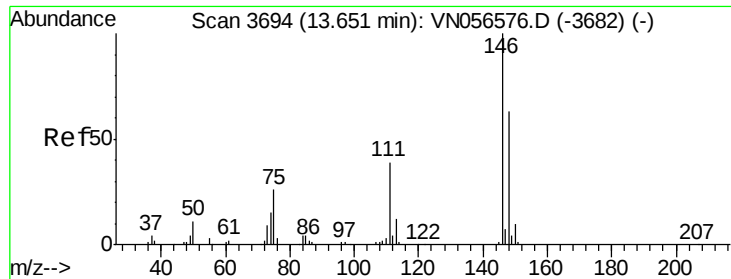
MMDadoda
7/10/2019 9:18:00 AM



#86
Hexachloroethane
Concen: 19.239 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38207		
201	94.2		48.1	144.4





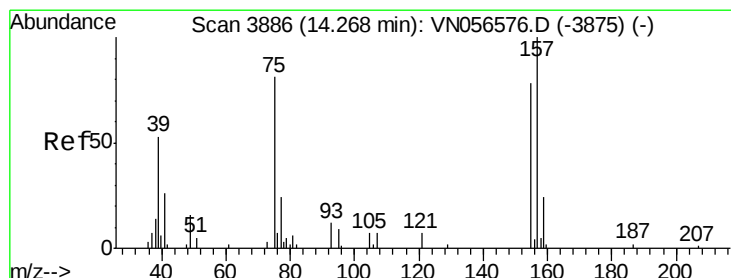
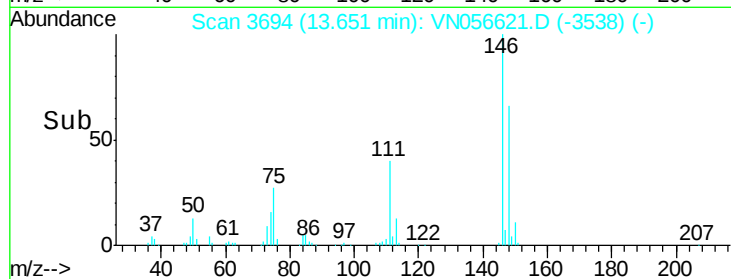
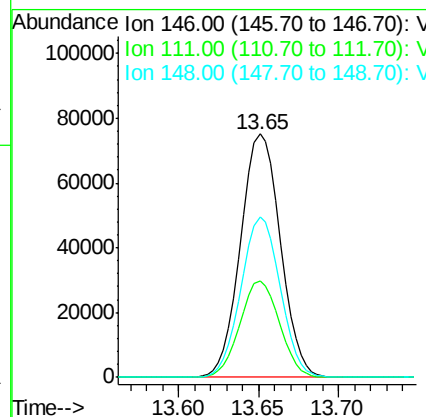
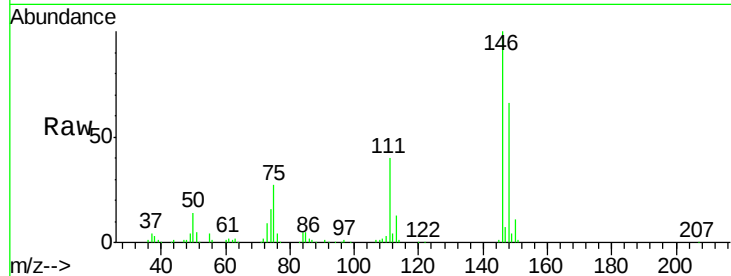
#87
 1,2-Dichlorobenzene
 Concen: 19.226 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	65.1	32.6	97.8

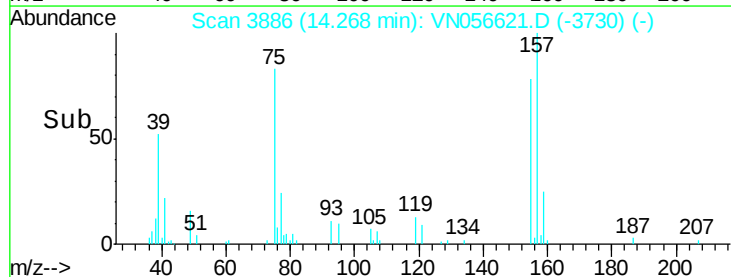
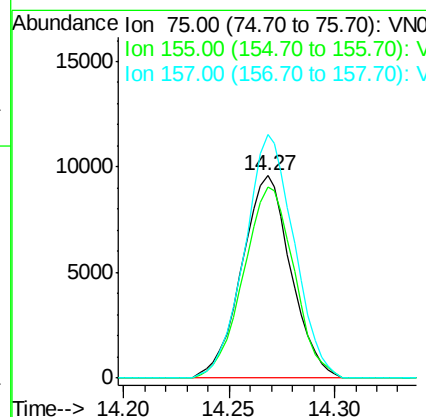
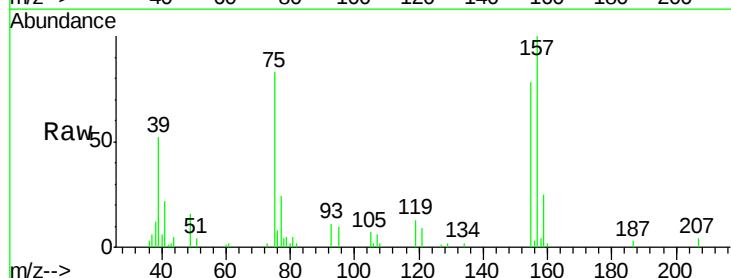
Manual Integrations
 APPROVED

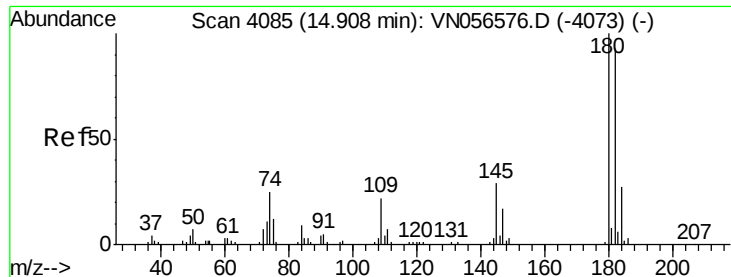
MMDadoda
 7/10/2019 9:18:00 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.209 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	82.5	123.7
157	120.5	105.1	157.7





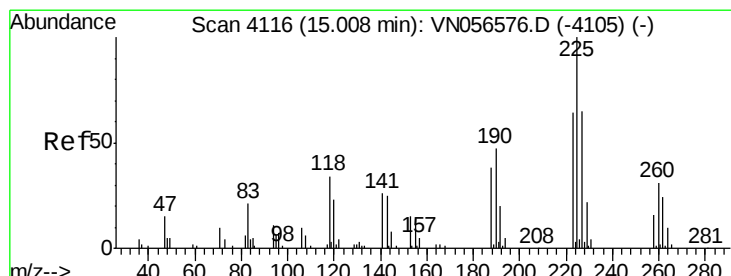
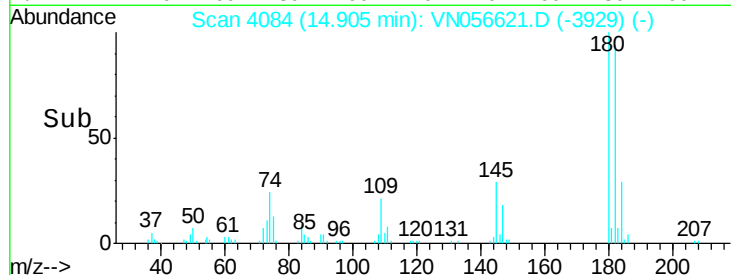
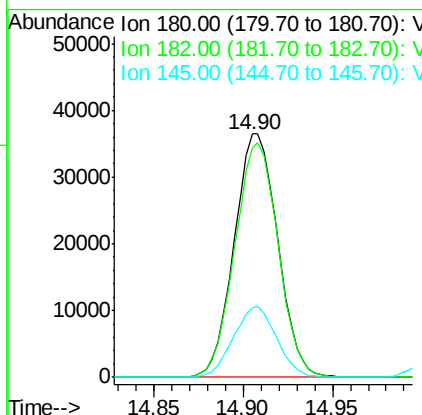
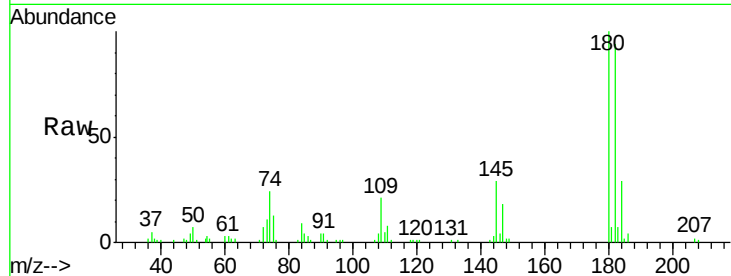
#89
 1,2,4-Trichlorobenzene
 Concen: 16.852 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.0	112.6
145	28.8	22.1	33.1

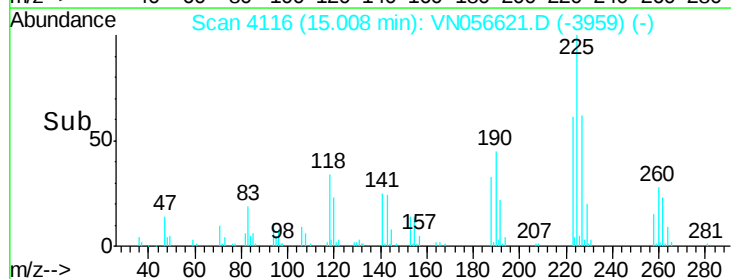
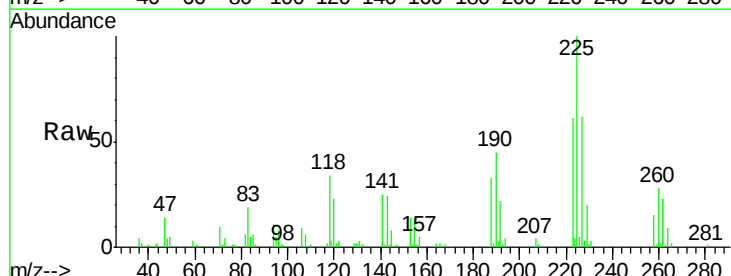
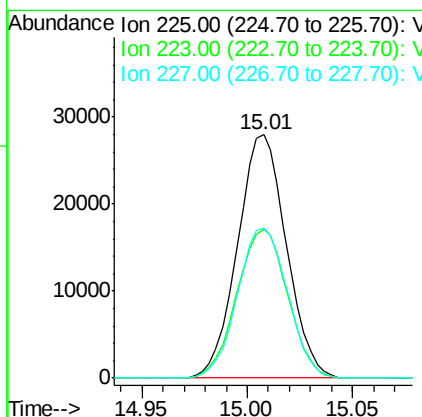
Manual Integrations
 APPROVED

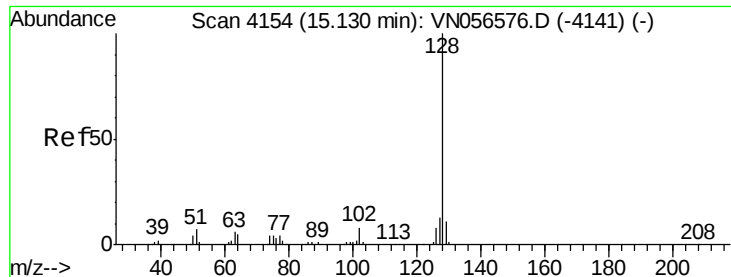
MMDadoda
 7/10/2019 9:18:00 AM



#90
 Hexachlorobutadiene
 Concen: 19.698 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	125.6
227	63.1	0.0	128.6





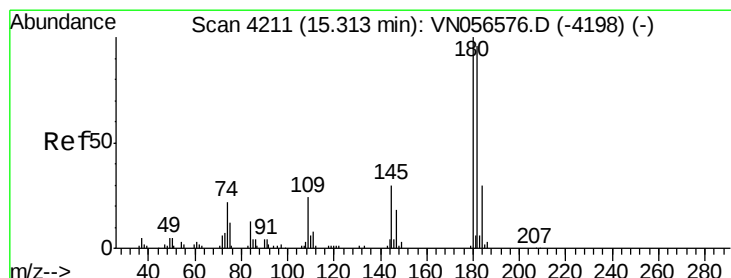
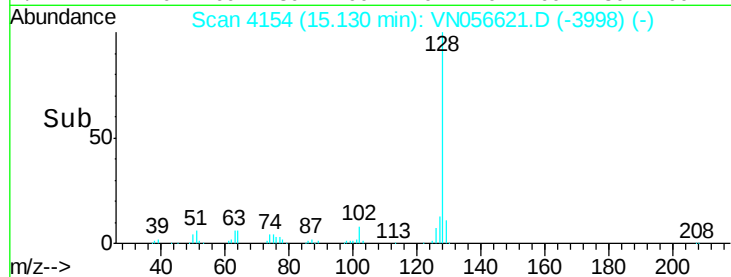
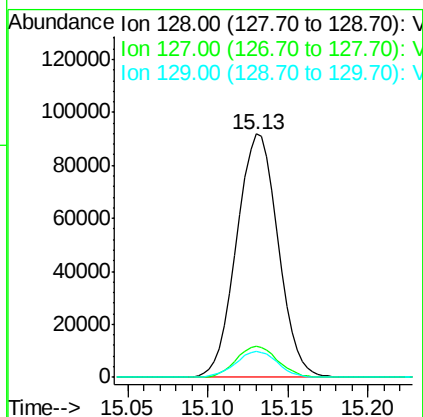
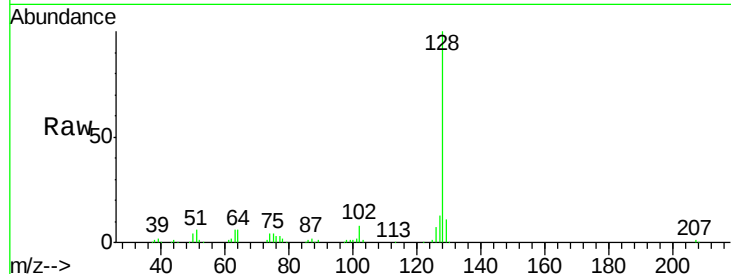
#91
Naphthalene
Concen: 15.777 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/10/2019 9:18:00 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.220 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	193.4
145	30.4	0.0	59.8

