

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056624.D
 Acq On : 9 Jul 2019 12:57
 Operator : JC/SP
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:05 AM

Quant Time: Jul 09 13:41:03 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	53327	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	290976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	253517	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	107450	29.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.43%
60) 4-Bromofluorobenzene	12.40	95	115649	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	10.09	98	356887	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	50559	18.906	ug/l 97
3) Chloromethane	2.06	50	70093	18.059	ug/l 97
4) Vinyl Chloride	2.18	62	69585	19.049	ug/l 97
5) Bromomethane	2.53	94	40743	20.904	ug/l 98
6) Chloroethane	2.68	64	39147	19.351	ug/l 94
7) Trichlorofluoromethane	3.00	101	89922	19.177	ug/l 95
8) Diethyl Ether	3.41	74	37333	18.770	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55831	18.792	ug/l 87
10) 1,1-Dichloroethene	3.73	96	54424	18.670	ug/l 94
11) Methyl Iodide	3.95	142	68657	16.470	ug/l 99
12) Methyl Acetate	4.32	43	72847	18.530	ug/l 99
13) Acrolein	3.60	56	31109	81.050	ug/l 98
14) Acrylonitrile	4.98	53	160846	93.184	ug/l 98
15) Acetone	3.82	58	45197	93.845	ug/l 97
16) Carbon Disulfide	4.05	76	131626	18.779	ug/l 99
17) Allyl chloride	4.32	41	95803	18.780	ug/l 98
18) Methylene Chloride	4.55	84	66290	19.234	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	59394	18.786	ug/l 93
20) Diisopropyl ether	5.95	45	200859	19.058	ug/l 96
21) 1,1-Dichloroethane	5.85	63	112836	18.980	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	67943	18.274	ug/l 91
23) tert-Butyl Alcohol	4.80	59	55838	86.477	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	180362	18.707	ug/l 99
25) Chloroform	7.37	83	110103	18.895	ug/l 100
26) Cyclohexane	7.65	56	100538	18.360	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	79365	18.471	ug/l 98
30) 2-Butanone	6.83	43	218774	91.844	ug/l 98
31) 2,2-Dichloropropane	6.82	77	76173	18.437	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	88253	19.267	ug/l 98
33) Carbon Tetrachloride	7.77	117	73217	18.855	ug/l 97
34) Benzene	8.04	78	260796	19.410	ug/l 99
35) Methacrylonitrile	7.17	41	33979	16.063	ug/l 94
36) 1,2-Dichloroethane	8.12	62	85043	19.474	ug/l # 85
37) Trichloroethene	8.83	130	67979	19.400	ug/l 97
38) Methylcyclohexane	9.08	83	98802	18.348	ug/l 98
39) 1,2-Dichloropropane	9.12	63	69998	19.353	ug/l 98
40) Dibromomethane	9.21	93	43022	19.242	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	79749	19.246	ug/l	100
42) Vinyl Acetate	5.89	43	810409	95.549	ug/l	98
43) Ethyl Acetate	6.93	43	85476	18.550	ug/l	99
44) Isopropyl Acetate	8.17	43	137747	19.160	ug/l #	88
45) 1,4-Dioxane	9.20	88	26756	380.366	ug/l	89
46) Methyl methacrylate	9.20	41	66544	18.838	ug/l	94
47) n-amyl Acetate	12.07	43	109136	18.264	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	83100	18.712	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	95866	18.715	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	65121	19.771	ug/l	99
51) Ethyl methacrylate	10.43	69	96873	18.674	ug/l	98
52) 1,3-Dichloropropane	10.71	76	107258	19.164	ug/l	98
53) Dibromochloromethane	10.90	129	62838	19.465	ug/l	96
54) 1,2-Dibromoethane	11.00	107	65506	19.087	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	231008	87.392	ug/l	98
56) Bromoform	12.13	173	43421	18.511	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	436319	95.722	ug/l	96
59) 2-Hexanone	10.75	43	310723	91.865	ug/l	98
61) Tetrachloroethene	10.63	164	65221	20.497	ug/l	98
62) Toluene	10.15	91	274253	19.383	ug/l	99
64) Chlorobenzene	11.43	112	164816	19.335	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	59261	19.304	ug/l	100
66) Ethyl Benzene	11.51	91	288823	18.827	ug/l	99
67) m/p-Xylenes	11.62	106	217977	38.501	ug/l	94
68) o-Xylene	11.95	106	108827	19.437	ug/l	98
69) Styrene	11.96	104	176844	18.983	ug/l	99
70) Isopropylbenzene	12.25	105	282194	19.317	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	93254	19.308	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	72204m	17.778	ug/l	
73) Bromobenzene	12.52	156	72626	19.276	ug/l	92
74) n-propylbenzene	12.59	91	308341	18.604	ug/l	97
75) 2-Chlorotoluene	12.67	91	190370	19.209	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	238833	19.307	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23223	17.851	ug/l	96
78) 4-Chlorotoluene	12.77	91	181700	18.851	ug/l	98
79) tert-butylbenzene	12.99	119	202478	19.157	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	232565	19.035	ug/l	100
81) sec-Butylbenzene	13.17	105	264354	18.861	ug/l	98
82) p-Isopropyltoluene	13.29	119	235538	18.691	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	116842	18.674	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109468	18.137	ug/l	98
85) n-Butylbenzene	13.61	91	187954	17.748	ug/l	96
86) Hexachloroethane	13.87	117	35386	18.623	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	121220	19.078	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15393	17.786	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	53937	15.358	ug/l	97
90) Hexachlorobutadiene	15.01	225	41601	19.066	ug/l	96
91) Naphthalene	15.13	128	146211	14.835	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	59139	16.041	ug/l	98

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ClientSampleId :
VN0709WBS01

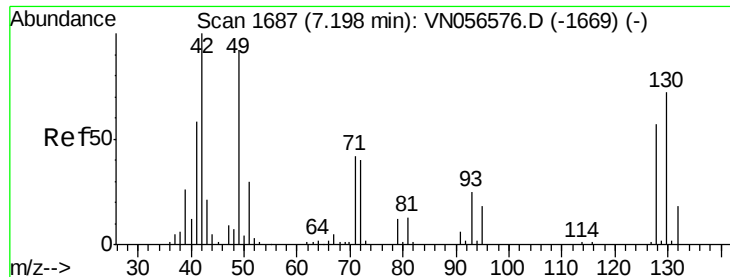
Manual Integrations
APPROVED

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QLast Update : Wed Jul 03 11:05:14 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:128 Resp: 53327

Ion Ratio Lower Upper

128 100

49 159.8 0.0 355.8

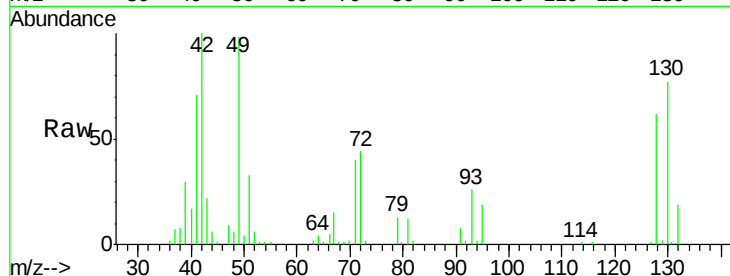
130 128.3 0.0 326.3

Manual Integrations

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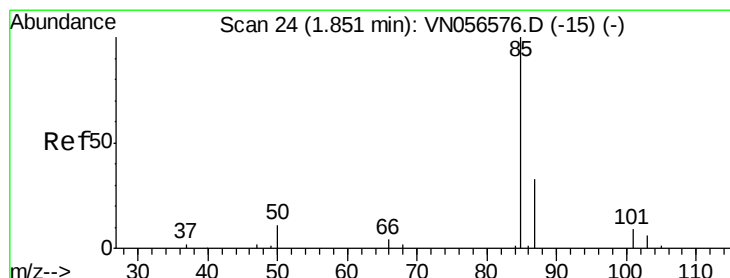
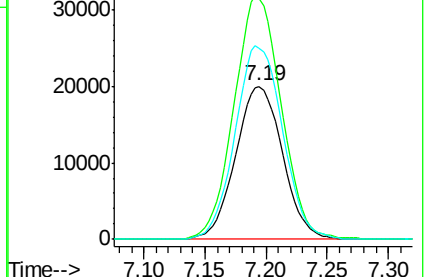
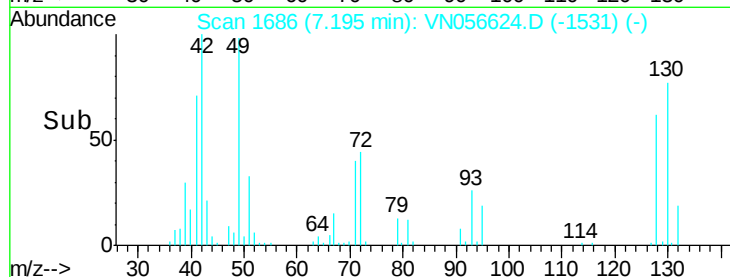
7/10/2019 9:18:05 AM



Abundance Ion 128.00 (127.70 to 128.70): VN056624.D (-1531) (-)

Ion 49.00 (48.70 to 49.70): VN056624.D (-1531) (-)

Ion 130.00 (129.70 to 130.70): VN056624.D (-1531) (-)



#2

Dichlorodifluoromethane

Concen: 18.906 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056624.D

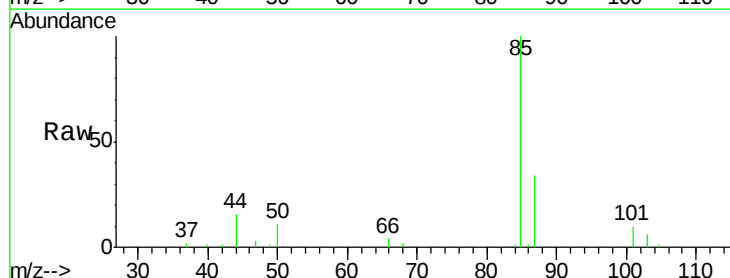
Acq: 9 Jul 2019 12:57

Tgt Ion: 85 Resp: 50559

Ion Ratio Lower Upper

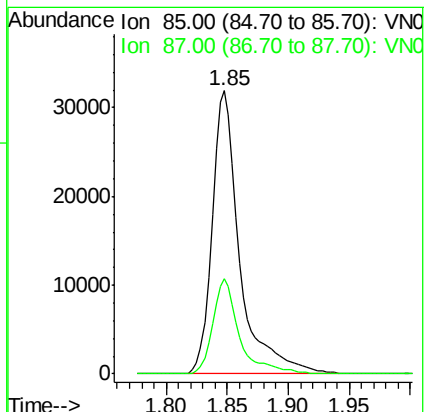
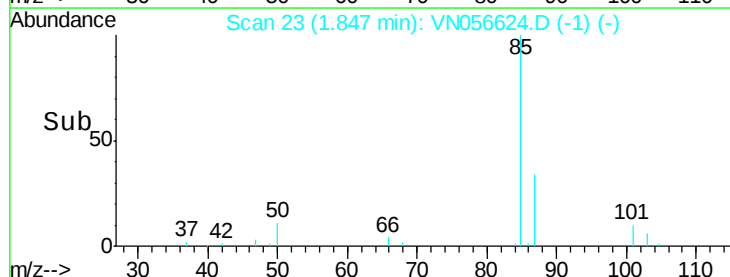
85 100

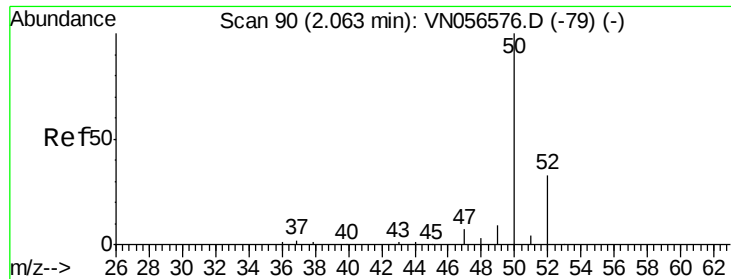
87 33.6 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN056624.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VN056624.D (-1) (-)





#3

Chloromethane

Concen: 18.059 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 50 Resp: 70093

Ion Ratio Lower Upper

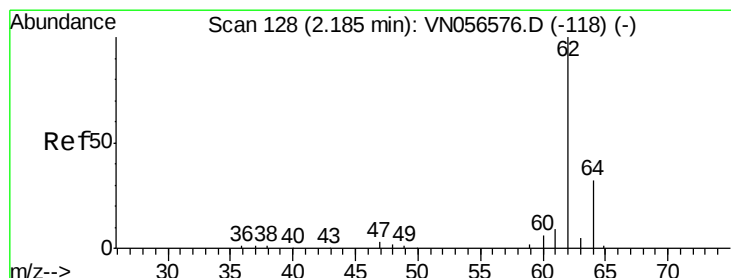
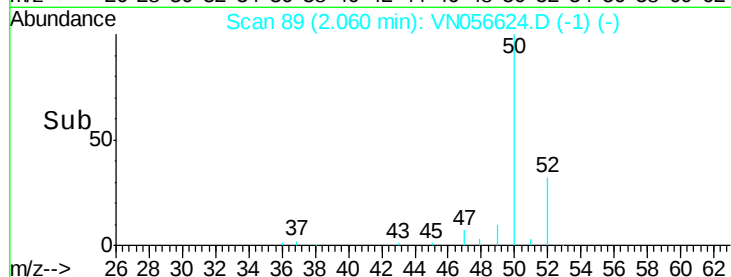
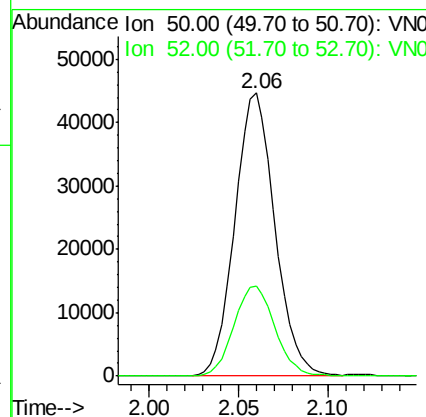
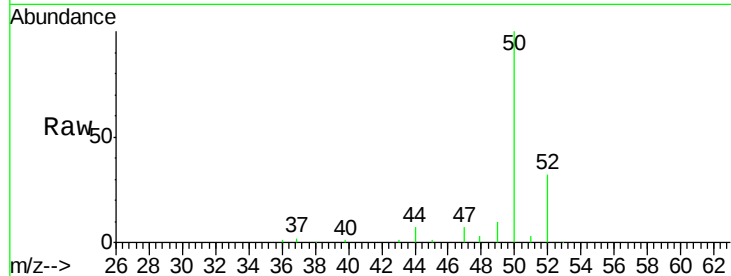
50 100

52 31.9 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.049 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056624.D

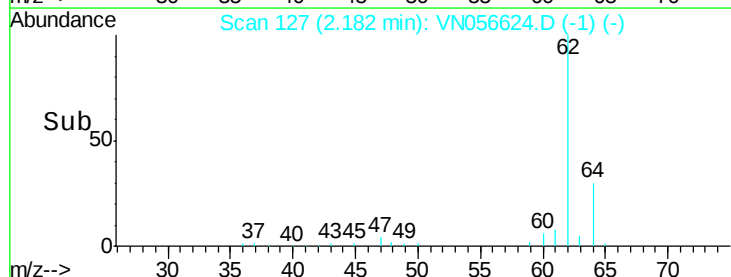
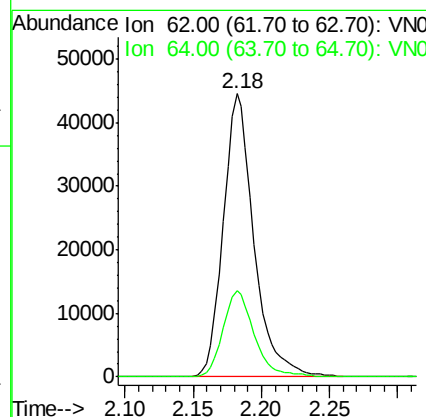
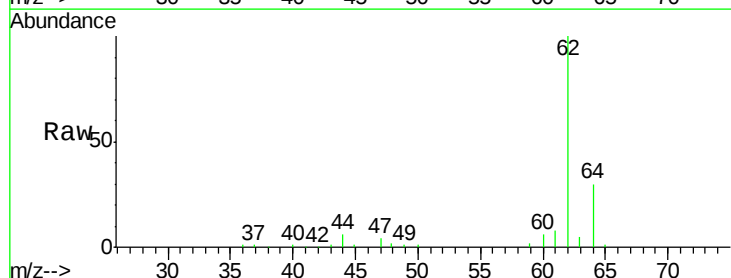
Acq: 9 Jul 2019 12:57

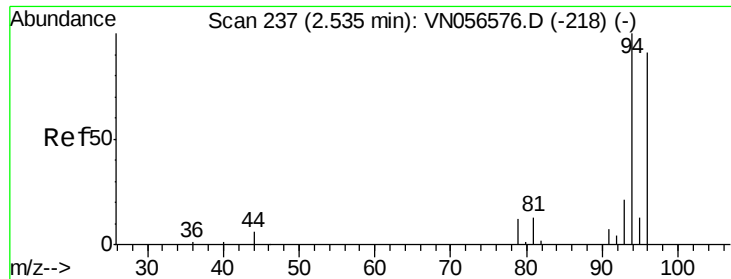
Tgt Ion: 62 Resp: 69585

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8





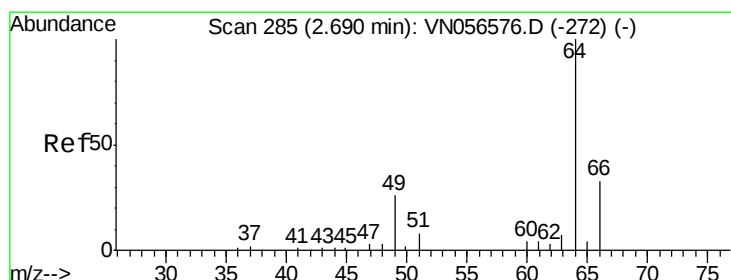
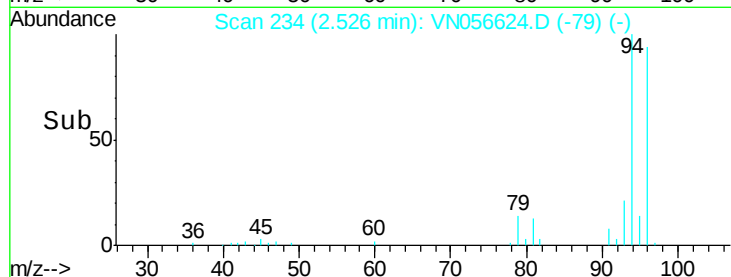
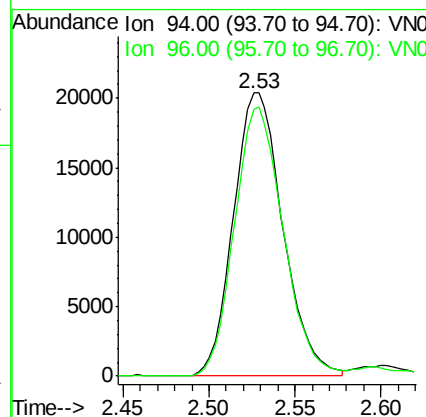
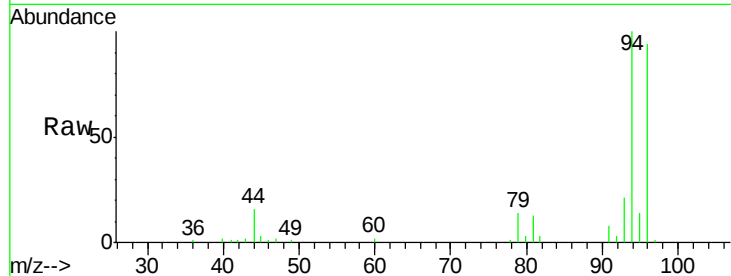
#5
Bromomethane
Concen: 20.904 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 94 Resp: 40743
Ion Ratio Lower Upper
94 100
96 94.5 74.1 111.1

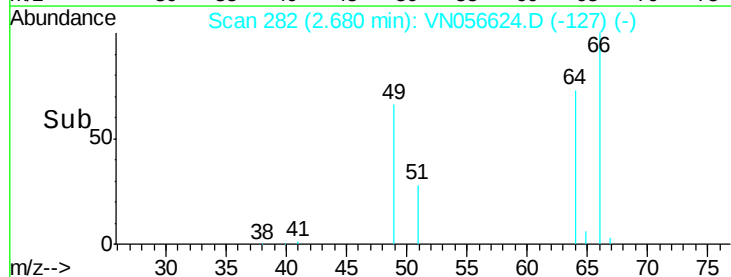
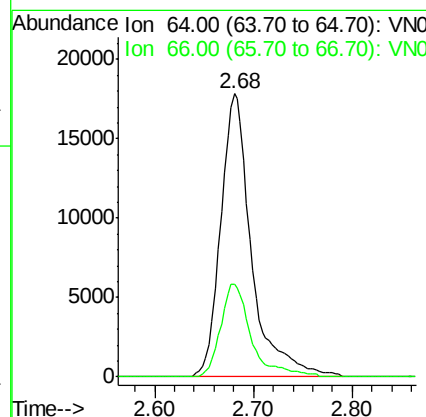
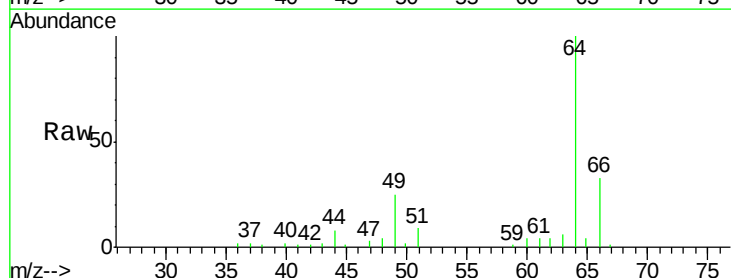
Manual Integrations
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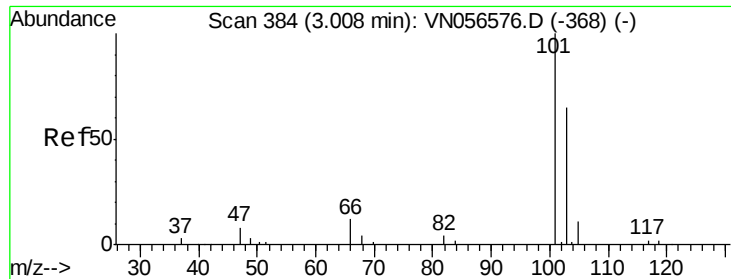
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7/10/2019 9:18:05 AM



#6
Chloroethane
Concen: 19.351 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion: 64 Resp: 39147
Ion Ratio Lower Upper
64 100
66 32.7 23.7 35.5





#7

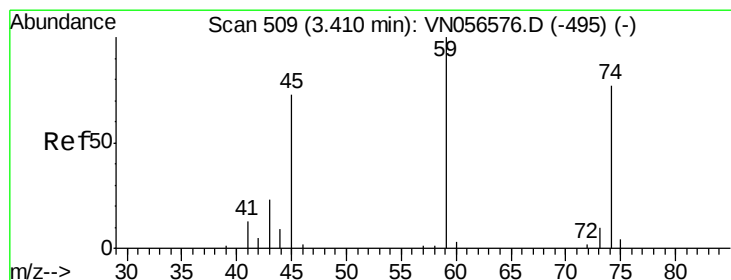
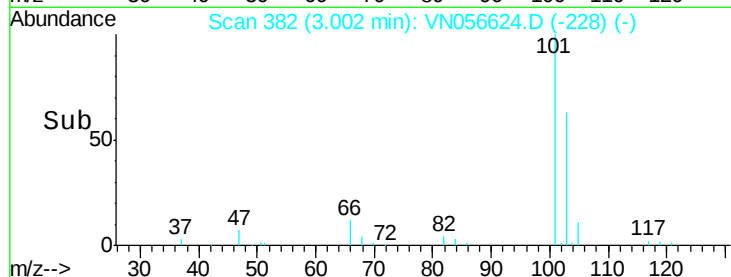
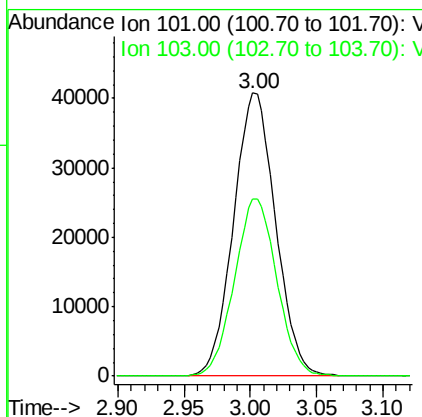
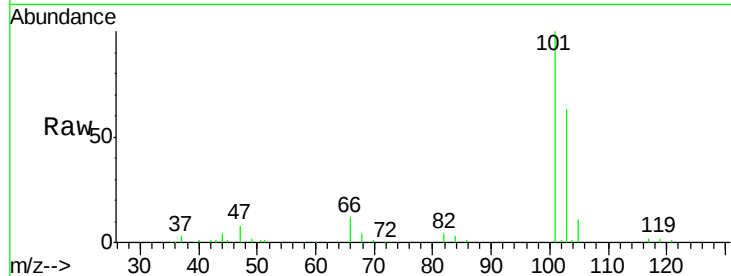
Trichlorofluoromethane
 Concen: 19.177 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	53.4	80.0

Manual Integrations
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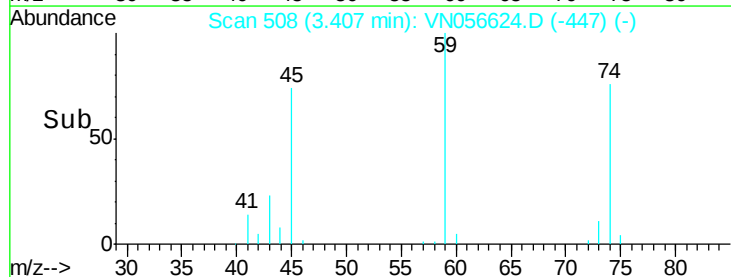
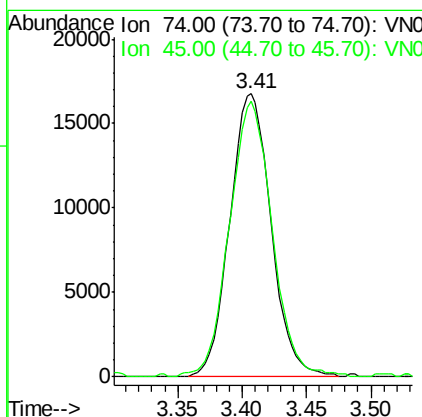
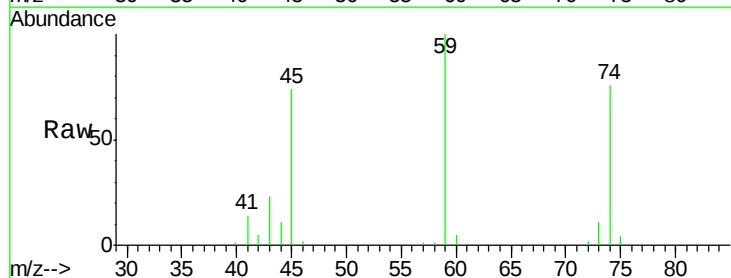
MMDadoda
 7/10/2019 9:18:05 AM

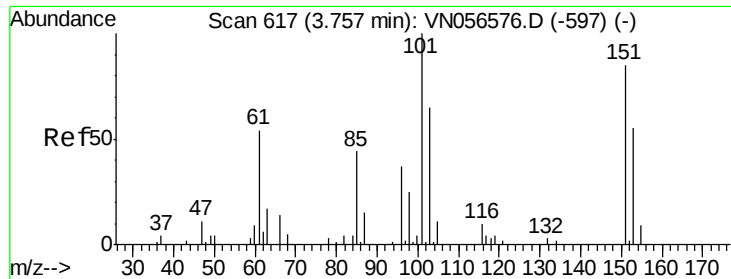


#8

Diethyl Ether
 Concen: 18.770 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	18.8	169.6





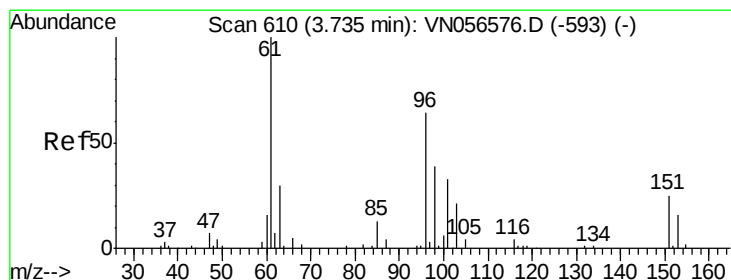
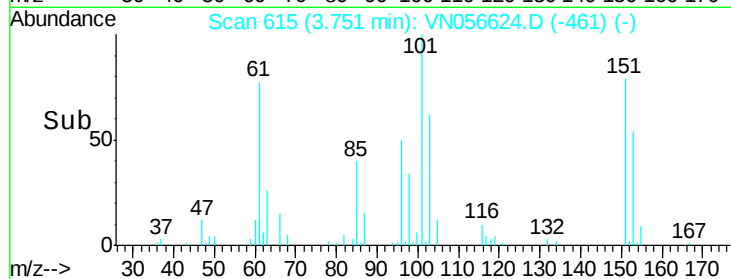
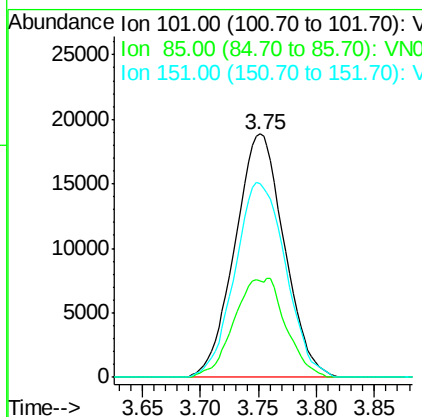
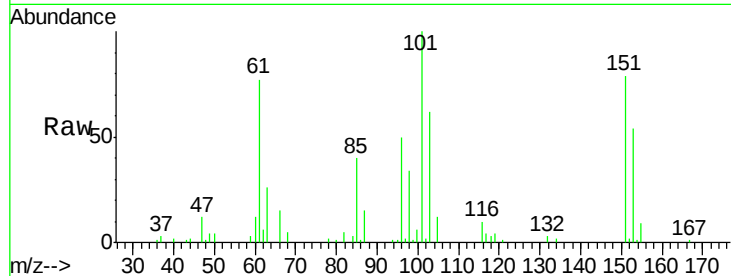
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.792 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	55831		
85	24.7	0.0	82.0	
151	82.3	0.0	177.0	

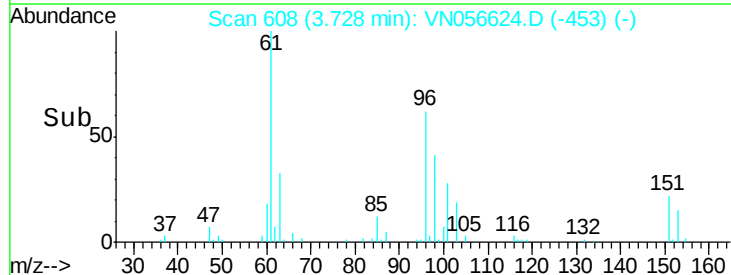
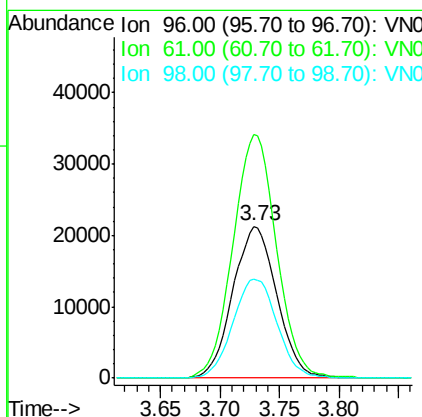
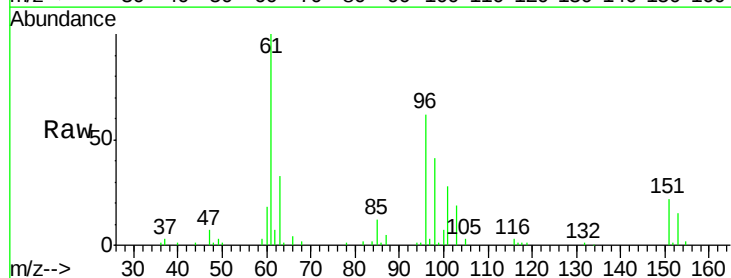
Manual Integrations
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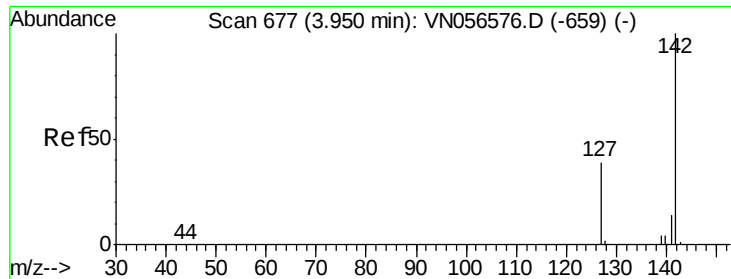
MMDadoda
 7/10/2019 9:18:05 AM



#10
 1,1-Dichloroethene
 Concen: 18.670 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54424		
61	160.2	119.7	179.5	
98	64.9	52.3	78.5	





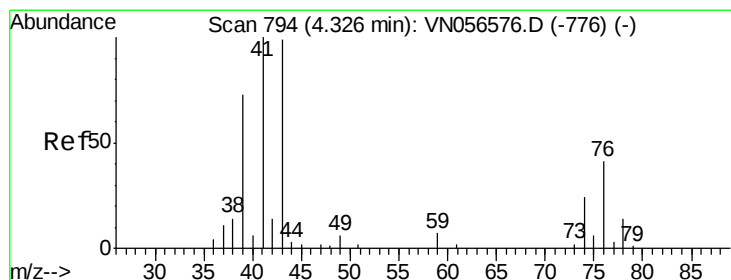
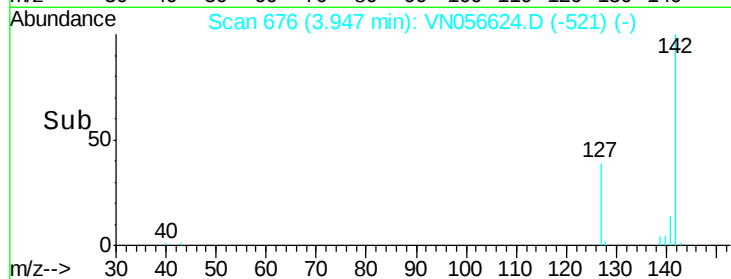
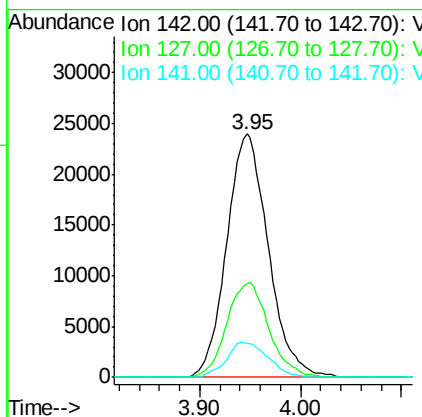
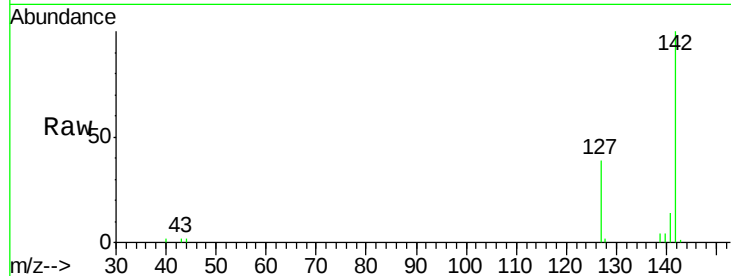
#11
Methyl Iodide
Concen: 16.470 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.0	57.0
141	13.9	6.7	20.0

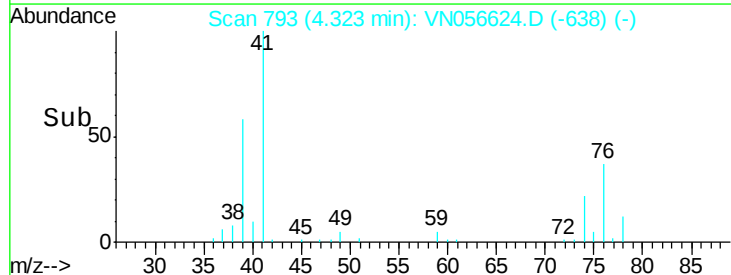
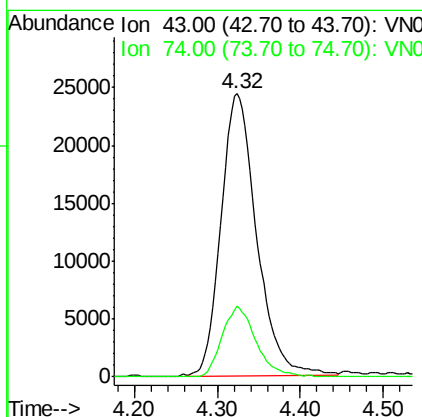
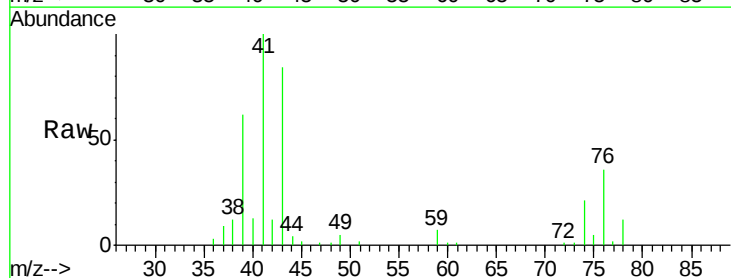
Manual Integrations
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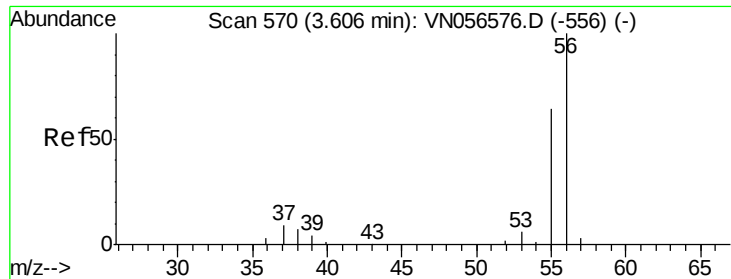
MMDadoda
7/10/2019 9:18:05 AM



#12
Methyl Acetate
Concen: 18.530 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.9	29.9





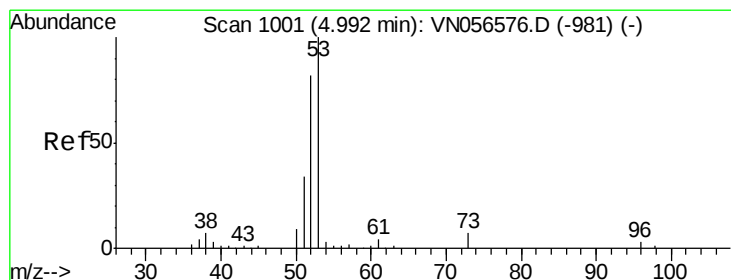
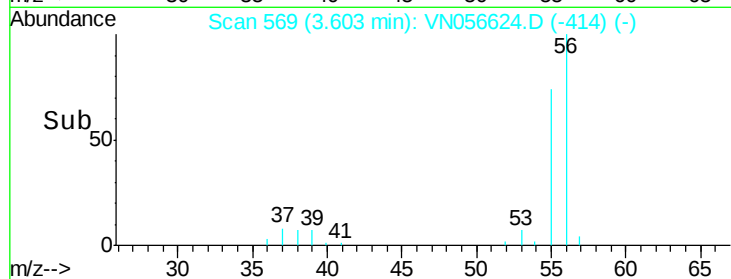
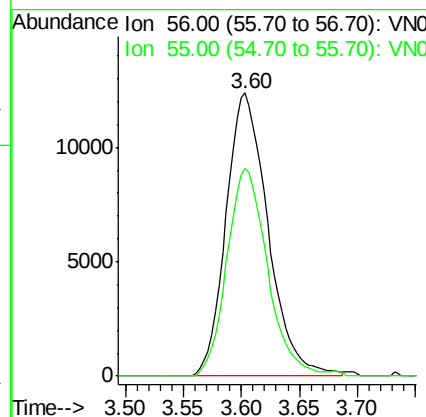
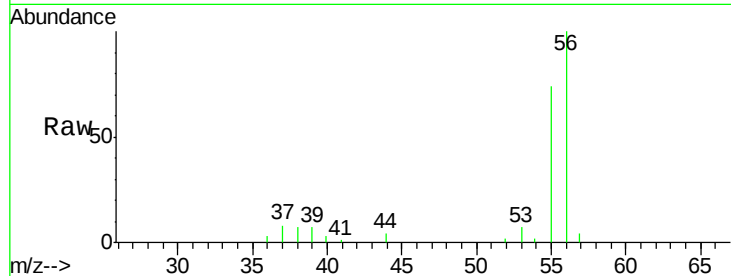
#13
Acrolein
Concen: 81.050 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	56	55	Ratio	Lower	Upper
31109	100	70.7		57.9	86.9

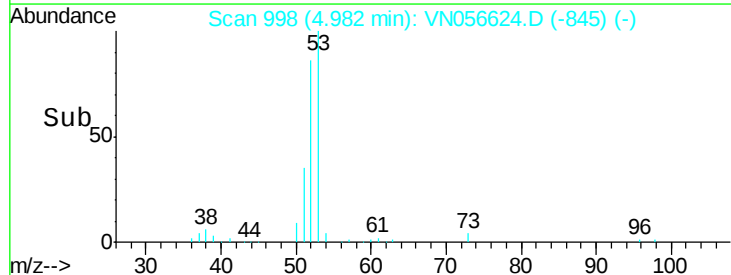
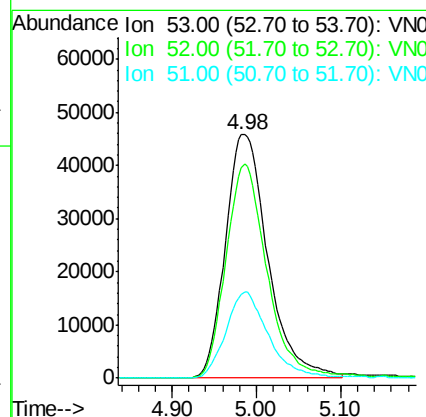
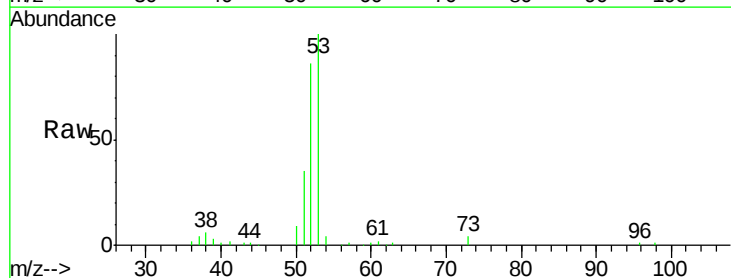
Manual Integrations
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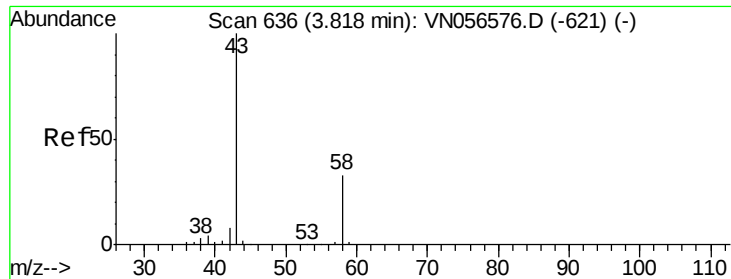
MMDadoda
7/10/2019 9:18:05 AM



#14
Acrylonitrile
Concen: 93.184 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	53	52	51	Ratio	Lower	Upper
160846	100	84.1	35.2		40.8	122.2
					17.3	52.0





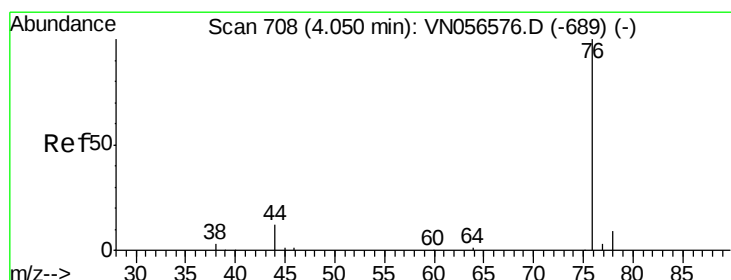
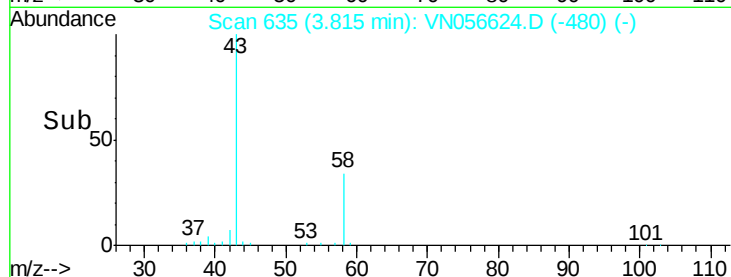
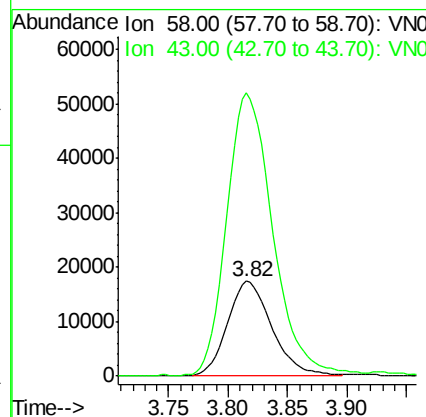
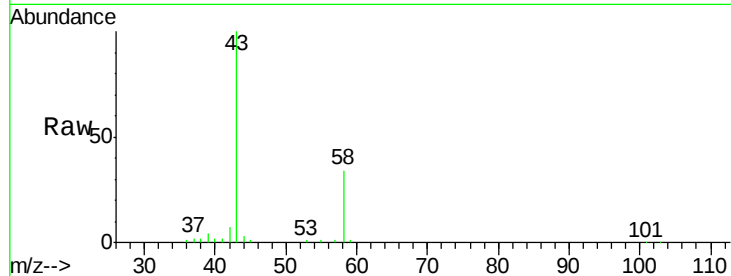
#15
Acetone
Concen: 93.845 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 58 Resp: 45197
Ion Ratio Lower Upper
58 100
43 295.6 232.5 348.7

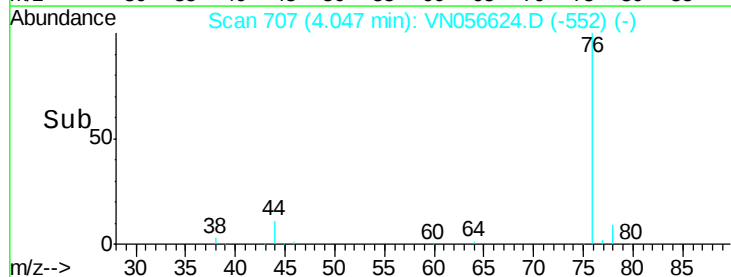
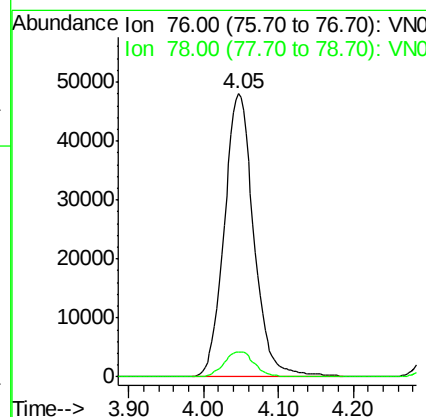
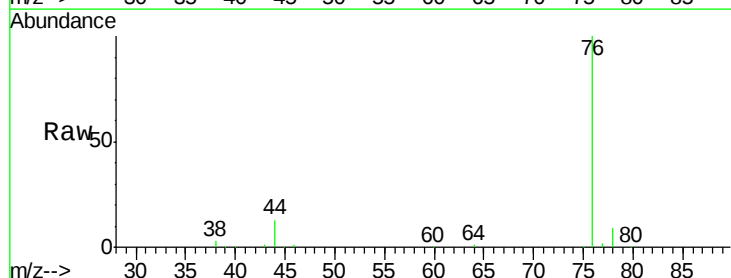
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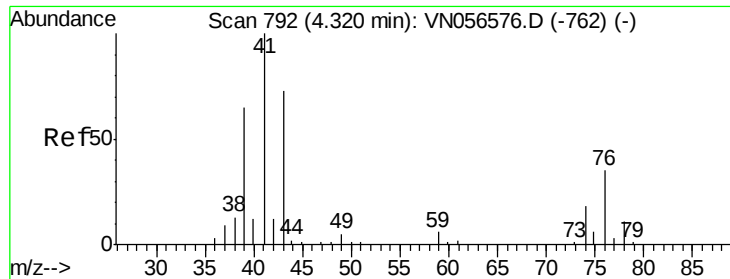
MMDadoda
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#16
Carbon Disulfide
Concen: 18.779 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion: 76 Resp: 131626
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





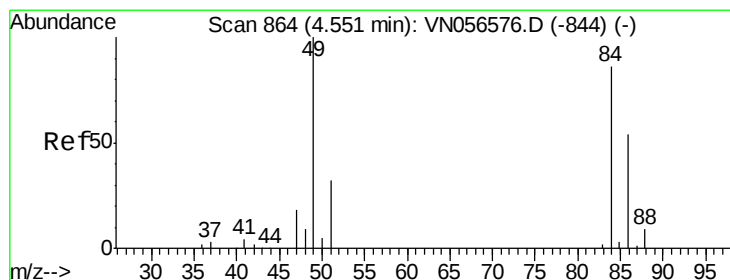
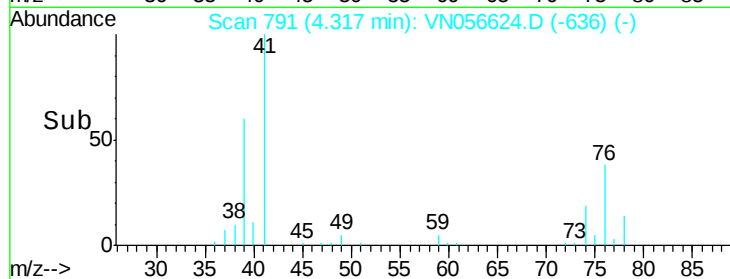
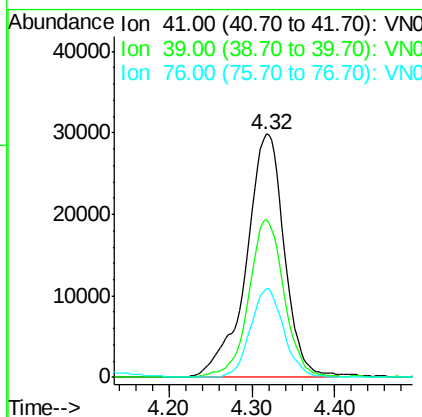
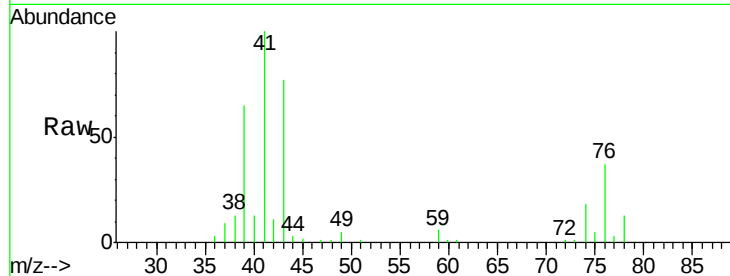
#17
Allvl chloride
Concen: 18.780 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion:	41	Resp:	95803
Ion Ratio	Lower	Upper	
41	100		
39	64.7	33.0	99.0
76	36.5	18.9	56.9

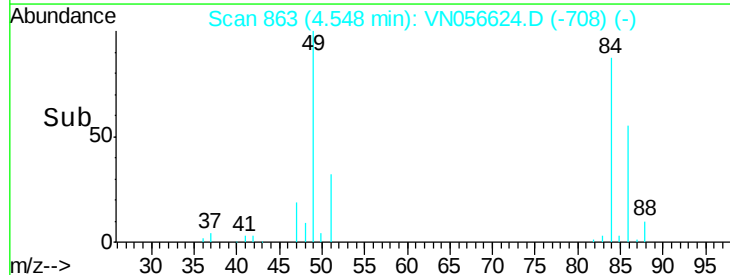
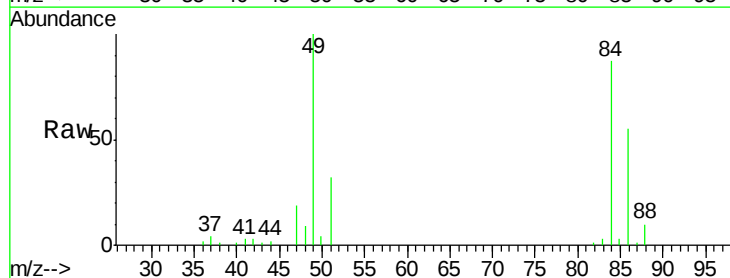
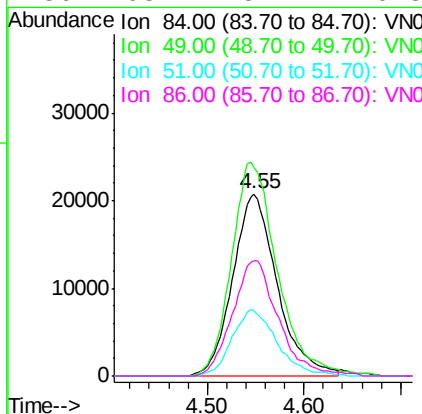
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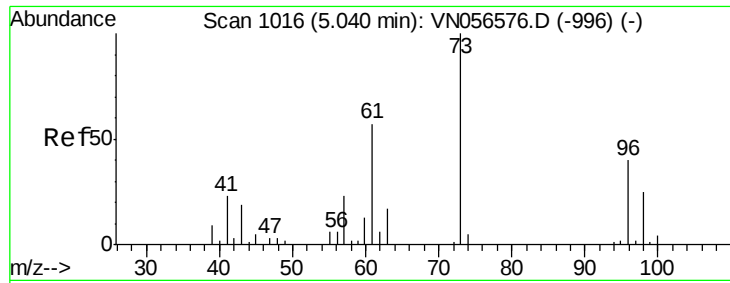
MMDadoda
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#18
Methylene Chloride
Concen: 19.234 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion:	84	Resp:	66290
Ion Ratio	Lower	Upper	
84	100		
49	114.7	87.6	131.4
51	36.2	27.0	40.4
86	63.4	51.2	76.8





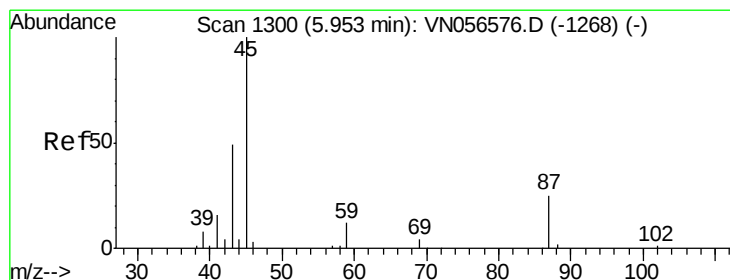
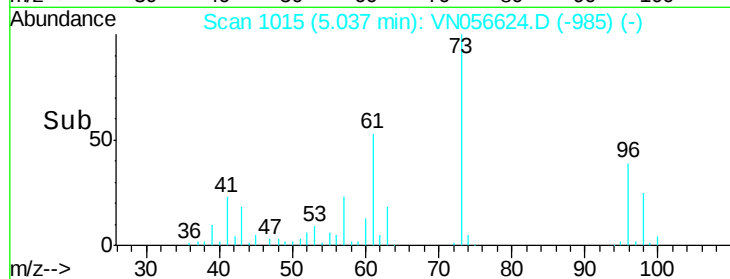
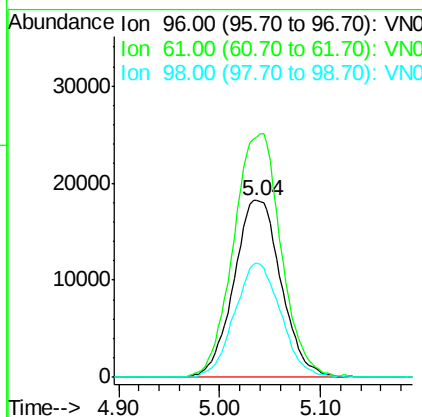
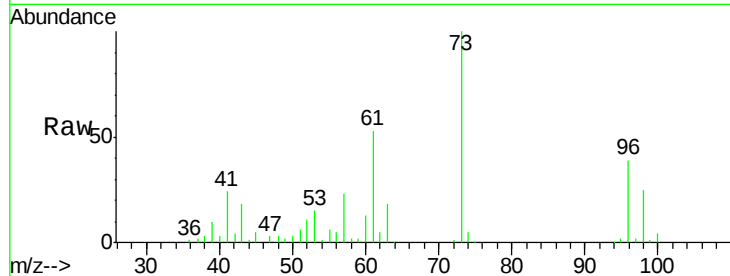
#19
trans-1,2-Dichloroethene
Concen: 18.786 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	102.5	153.7
98	64.6	46.9	70.3

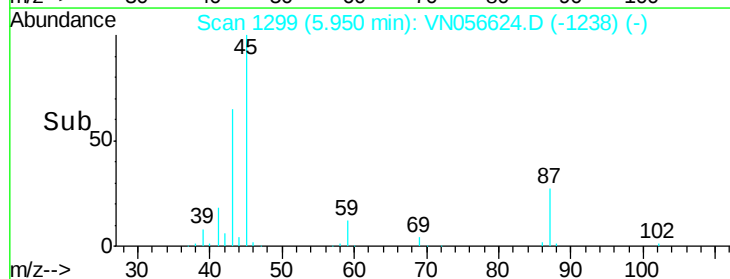
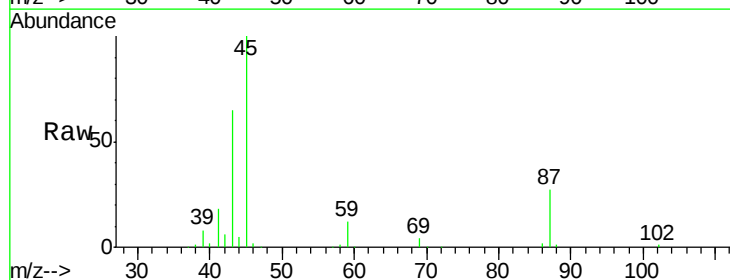
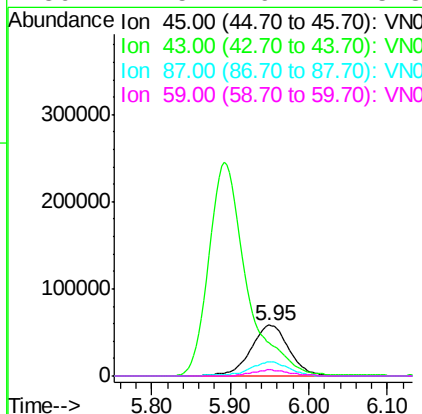
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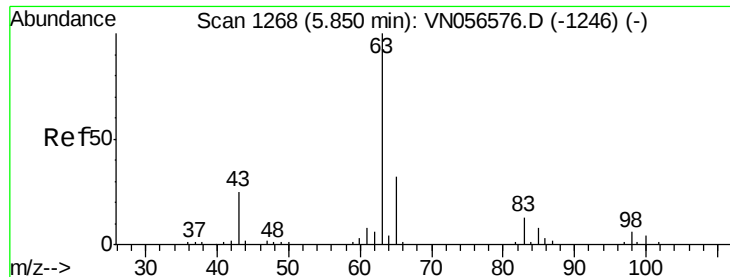
MMDadoda
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#20
Diisopropyl ether
Concen: 19.058 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	48.0	72.0
87	26.7	23.4	35.2
59	11.5	9.2	13.8





#21

1,1-Dichloroethane

Concen: 18.980 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

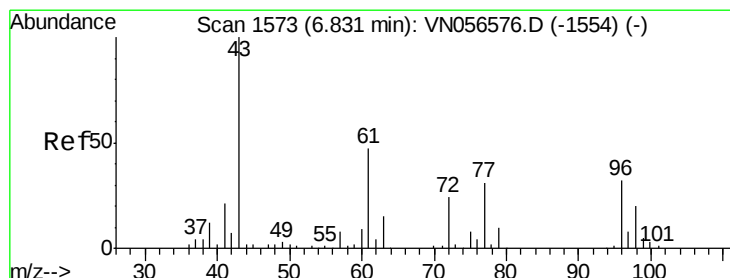
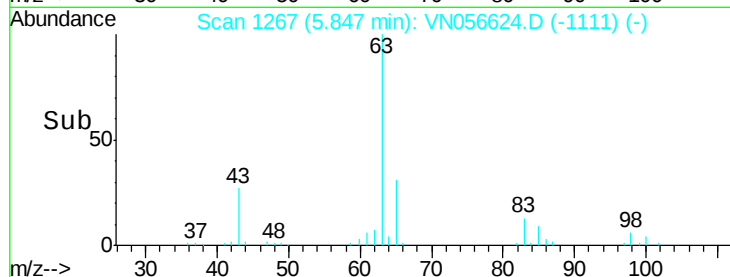
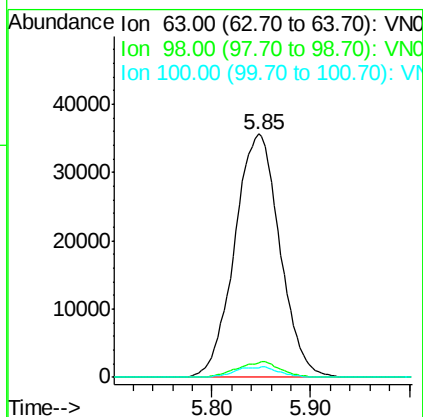
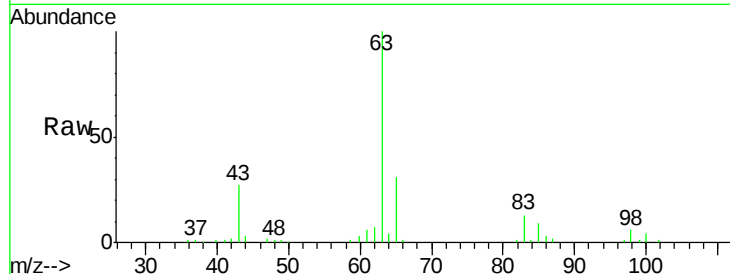
ClientSampleId :

VN0709WBS01

Tot Ion:	63	Resp:	112836
Ion Ratio		Lower	Upper
63	100		
98	5.8	3.5	10.5
100	4.0	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 18.274 ug/l

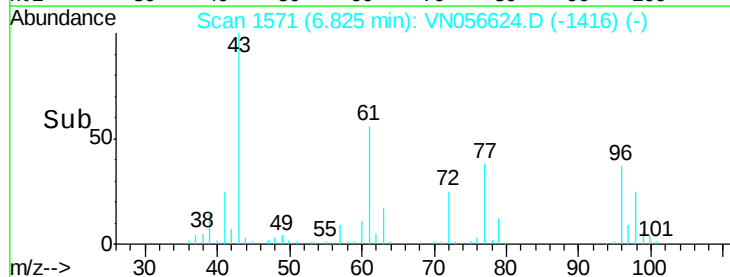
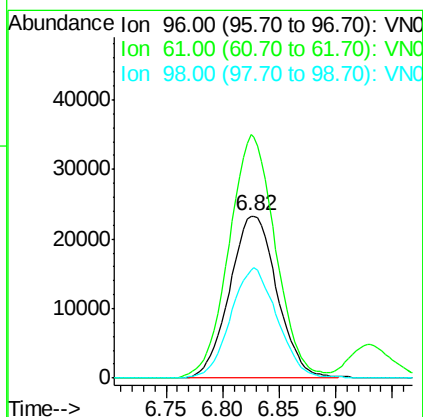
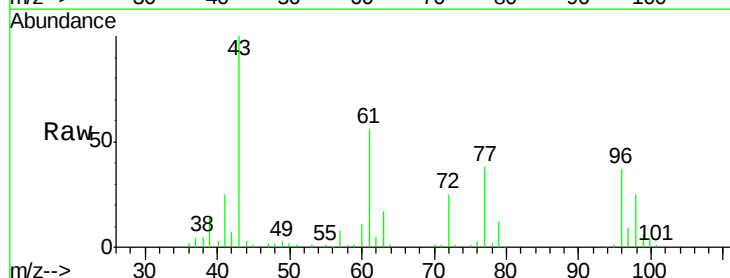
RT: 6.82 min Scan# 1571

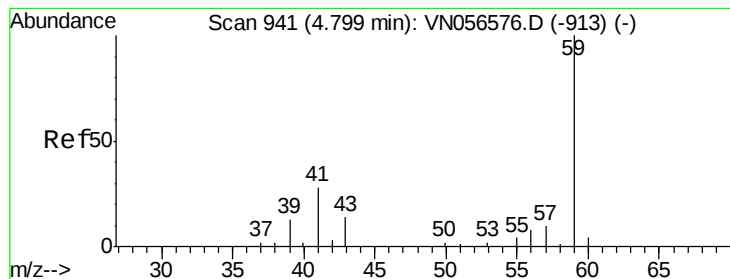
Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	96	Resp:	67943
Ion Ratio		Lower	Upper
96	100		
61	147.0	105.7	158.5
98	66.7	52.0	78.0





#23

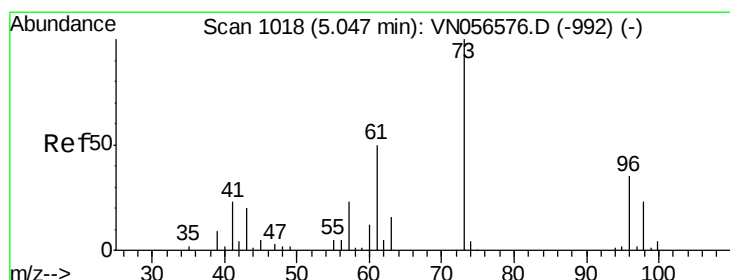
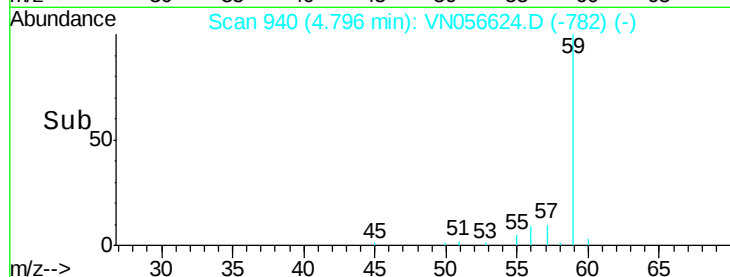
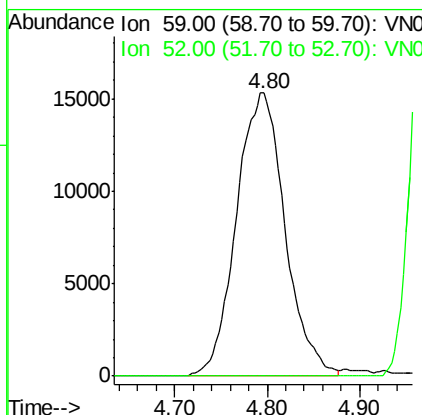
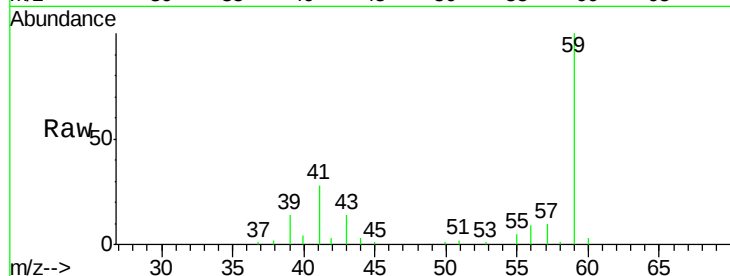
tert-Butyl Alcohol
 Concen: 86.477 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	59	52	Ratio	100	0.0	Resp:	55838	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp:	55838	Lower	Upper

Manual Integrations
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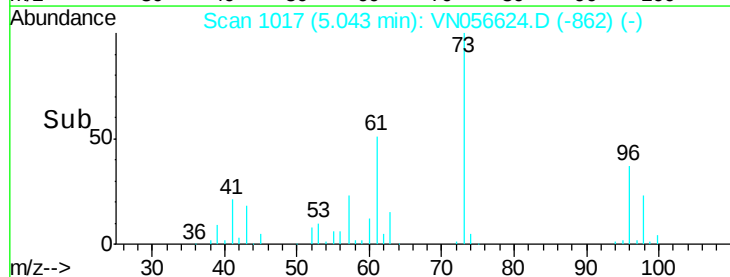
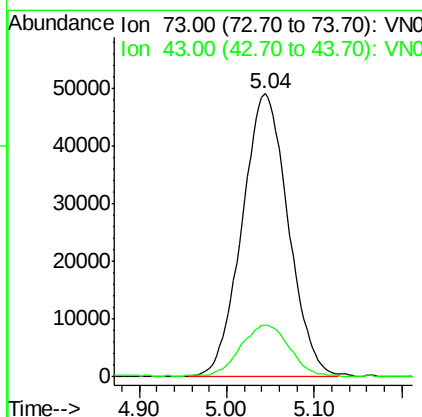
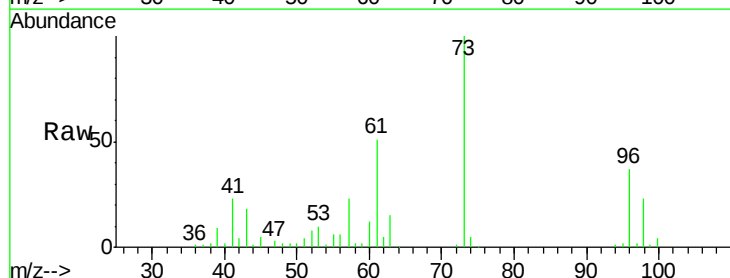
MMDadoda
 7/10/2019 9:18:05 AM

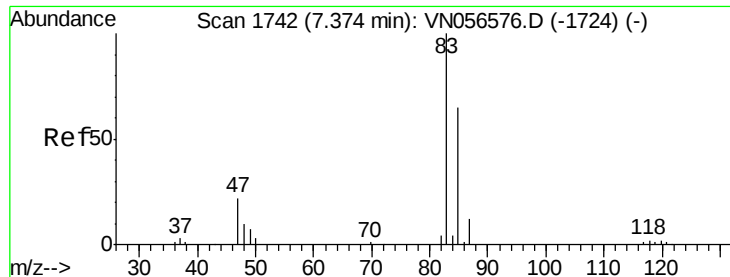


#24

Methyl tert-Butyl Ether
 Concen: 18.707 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	73	43	Ratio	100	19.5	Resp:	180362	Lower	Upper
Ion	73	43	Ratio	100	19.5	Resp:	180362	Lower	Upper





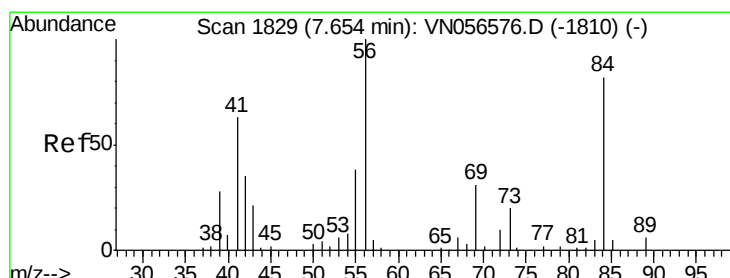
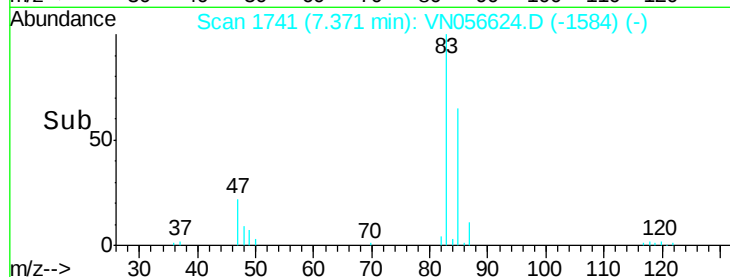
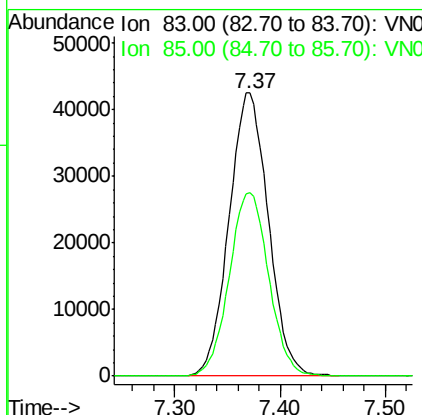
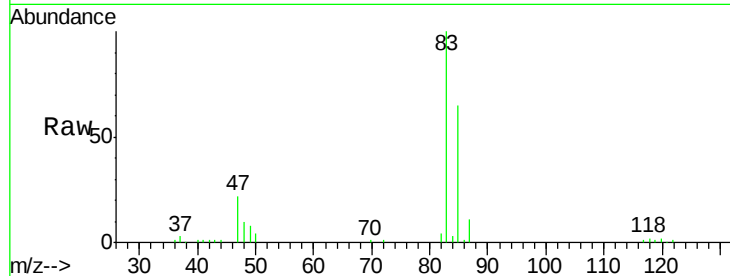
#25
Chloroform
Concen: 18.895 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 83 Resp: 110103
Ion Ratio Lower Upper
83 100
85 64.9 52.0 78.0

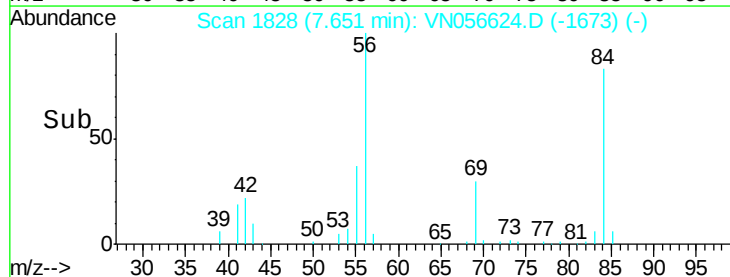
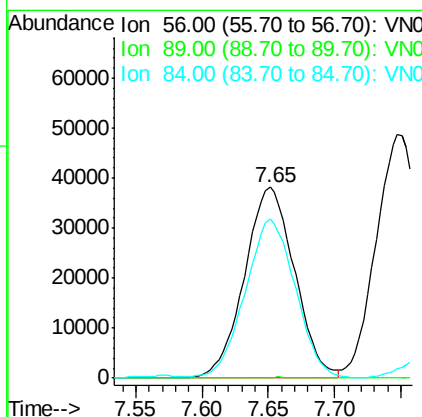
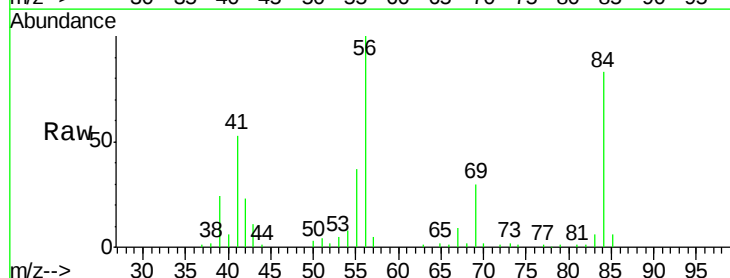
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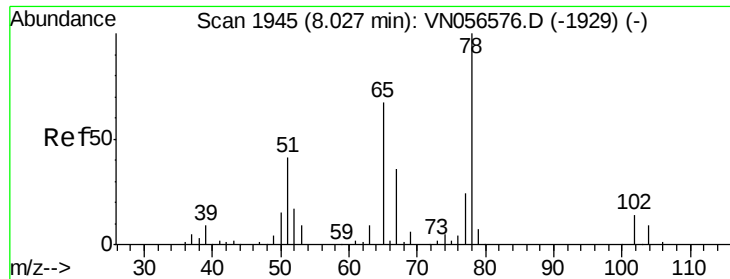
MMDadoda
7/10/2019 9:18:05 AM



#26
Cyclohexane
Concen: 18.360 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion: 56 Resp: 100538
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 83.7 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 29.228 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 65 Resp: 107450

Ion Ratio Lower Upper

65 100

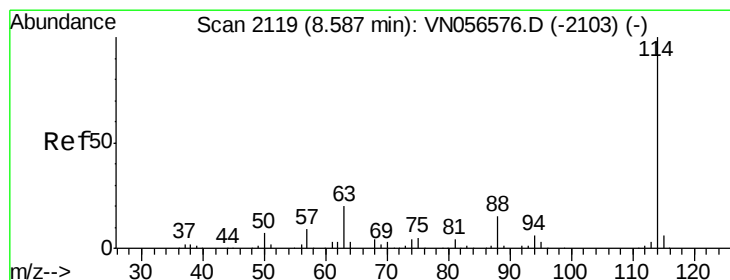
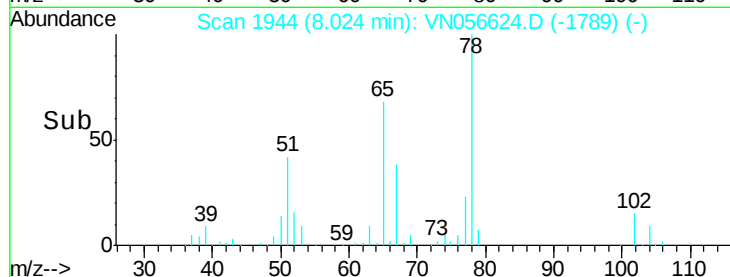
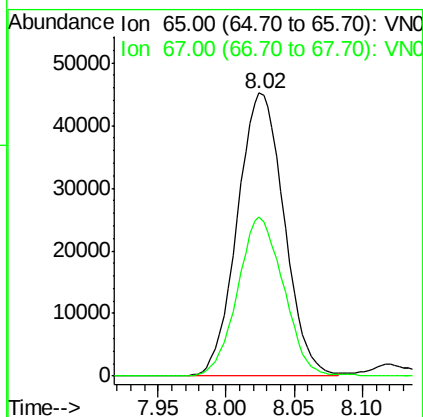
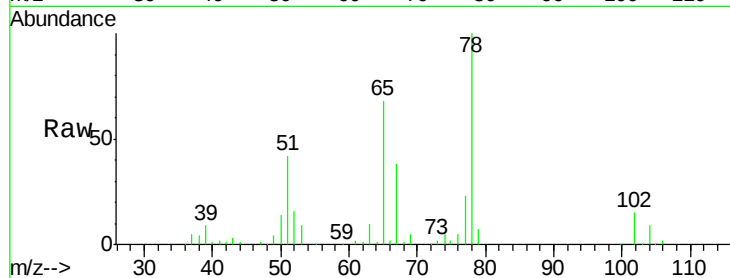
67 55.0 43.4 65.2

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

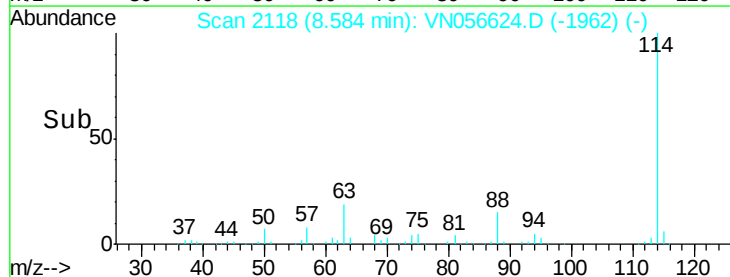
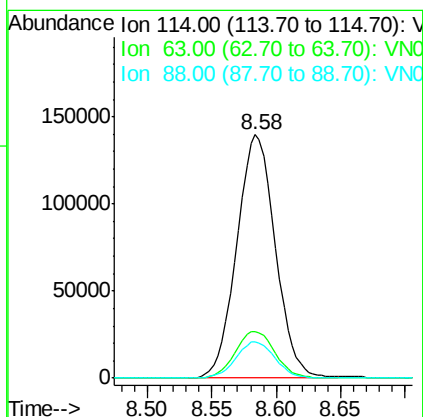
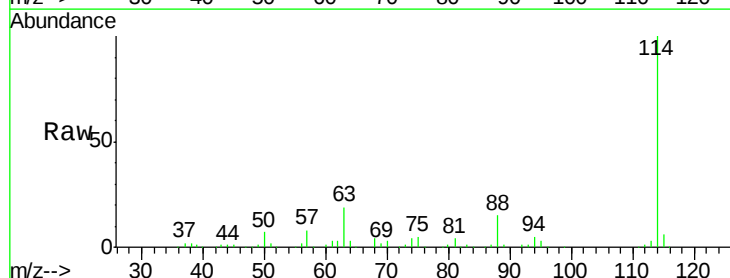
Tgt Ion: 114 Resp: 290976

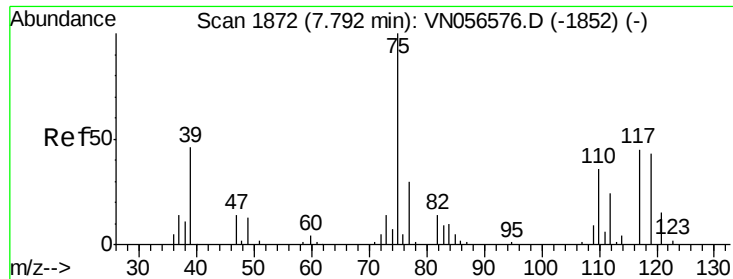
Ion Ratio Lower Upper

114 100

63 19.8 14.7 22.1

88 15.2 11.9 17.9





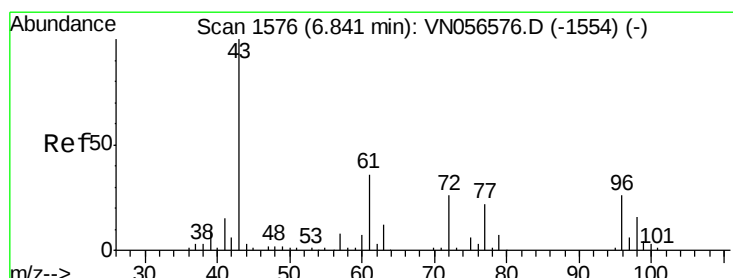
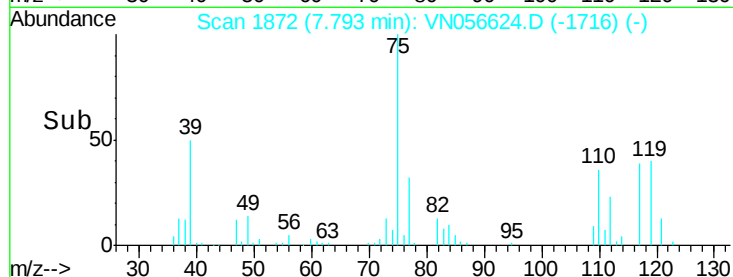
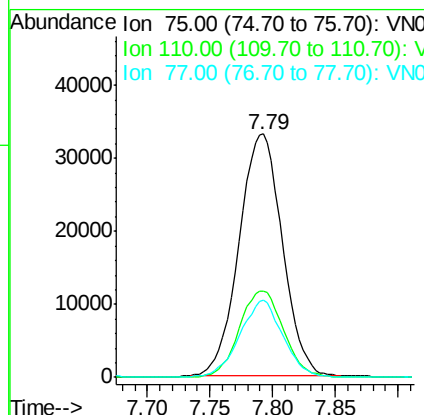
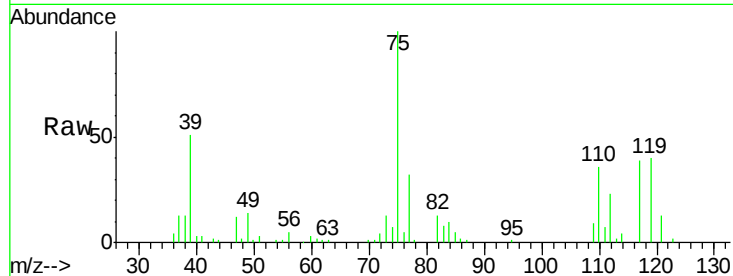
#29
 1,1-Dichloropropene
 Concen: 18.471 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	0.0	77.0	
77	31.9	0.0	62.4	

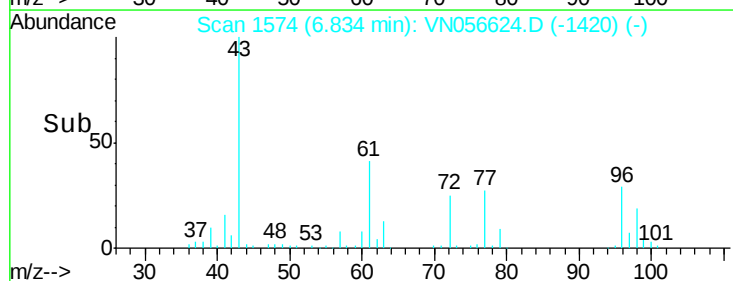
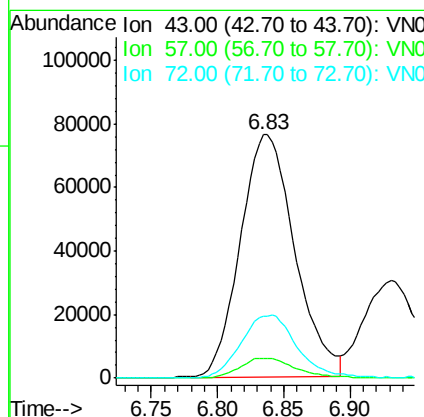
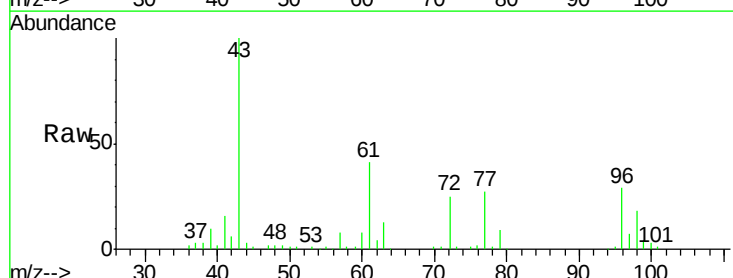
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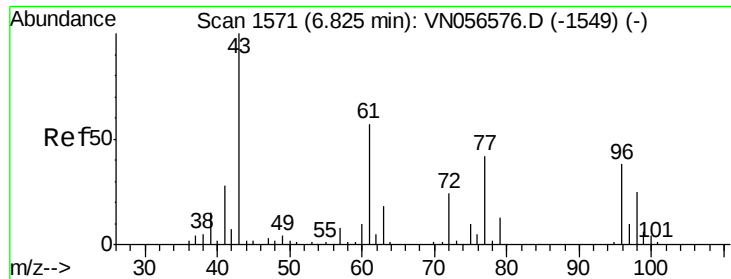
MMDadoda
 7/10/2019 9:18:05 AM



#30
 2-Butanone
 Concen: 91.844 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	6.7	10.1	
72	26.7	22.4	33.6	





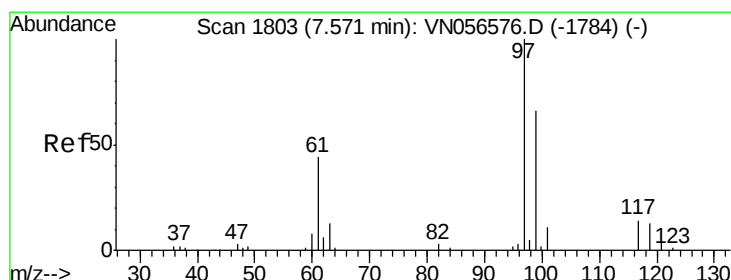
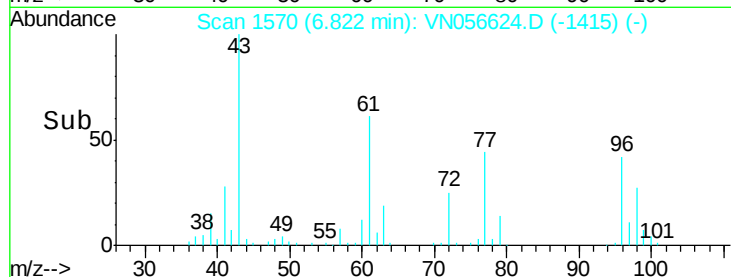
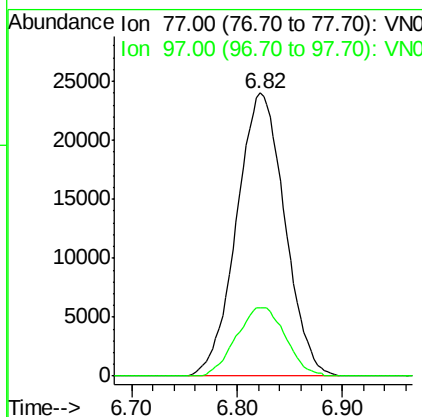
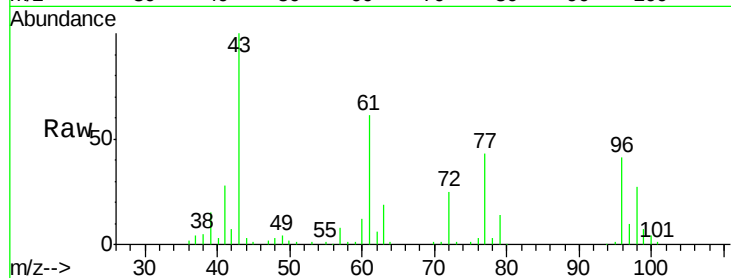
#31
 2,2-Dichloropropane
 Concen: 18.437 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0709WBS01

Tot Ion: 77 Resp: 76173
 Ion Ratio Lower Upper
 77 100
 97 24.7 20.8 31.2

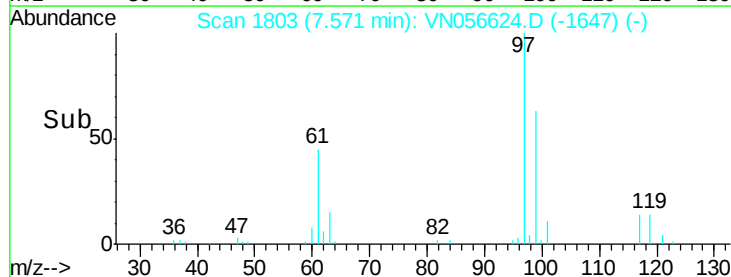
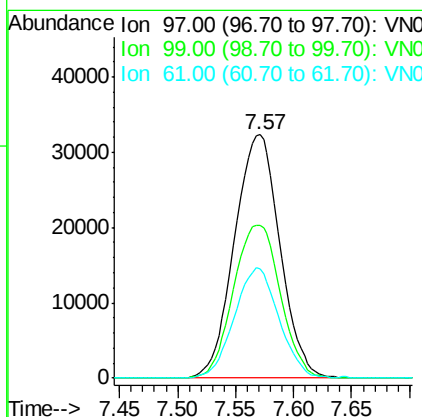
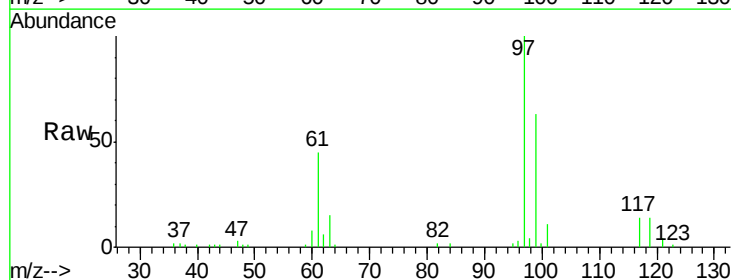
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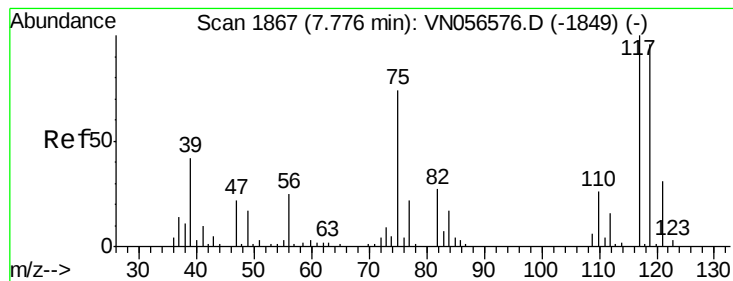
MMDadoda
 7/10/2019 9:18:05 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.267 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion: 97 Resp: 88253
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 44.3 32.9 49.3





#33

Carbon Tetrachloride

Concen: 18.855 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

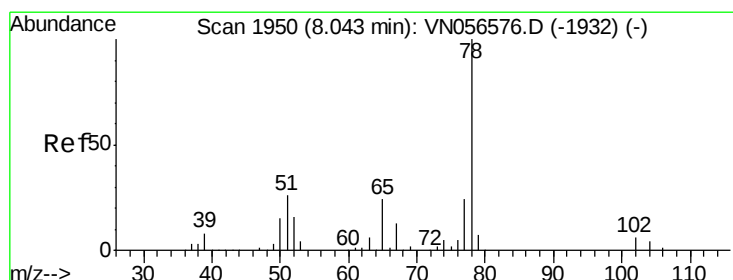
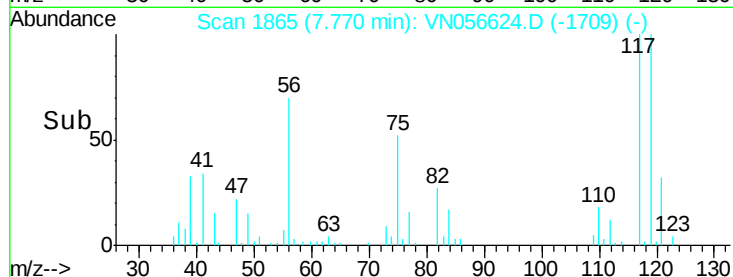
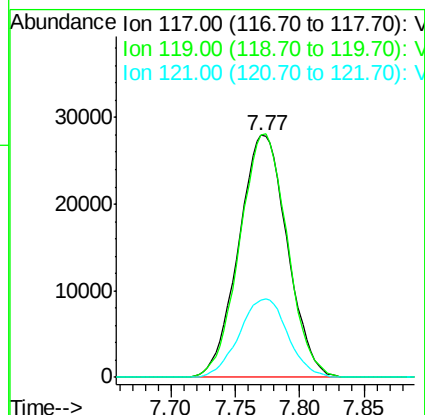
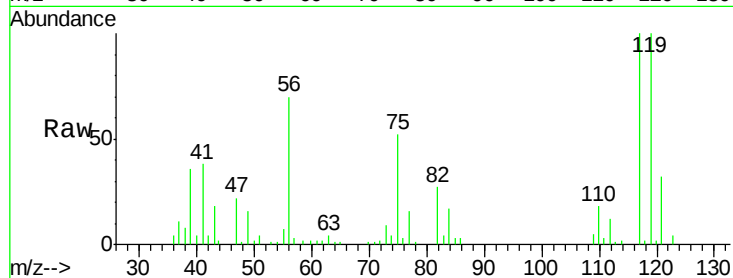
ClientSampled :

VN0709WBS01

Tot Ion:117 Resp: 73217
 Ion Ratio Lower Upper
 117 100
 119 100.1 77.3 115.9
 121 31.9 25.0 37.4

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MMDadoda
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#34

Benzene

Concen: 19.410 ug/l

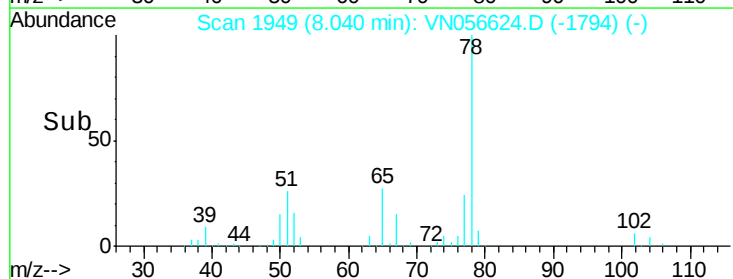
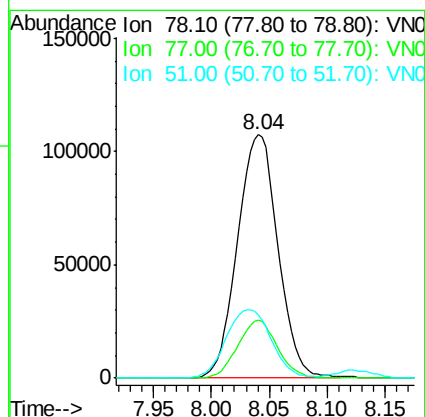
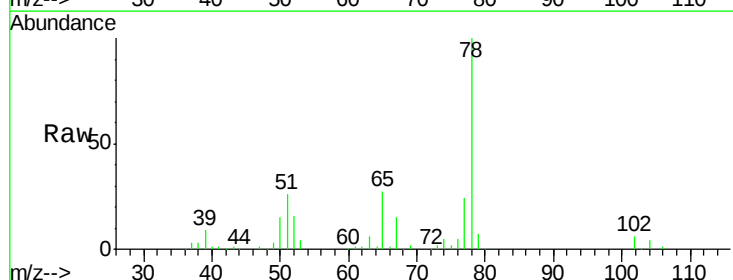
RT: 8.04 min Scan# 1949

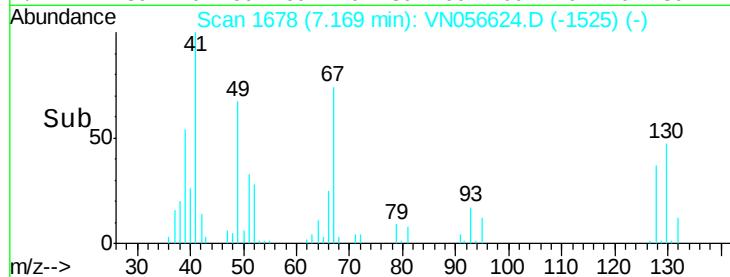
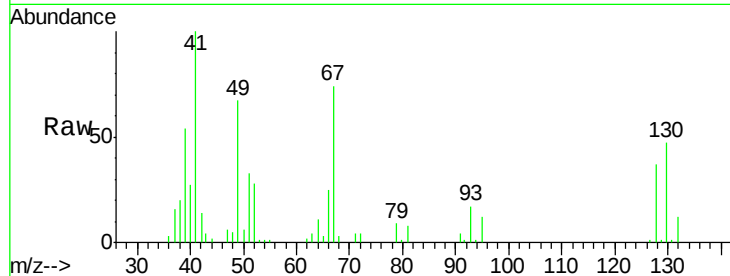
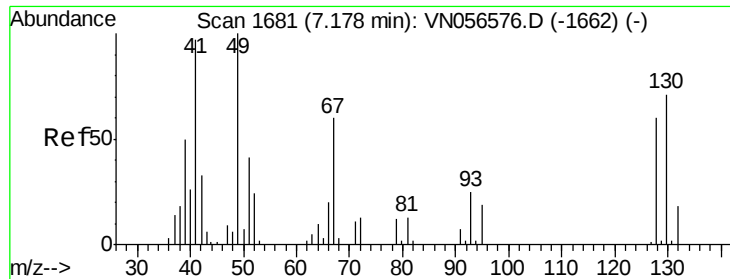
Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

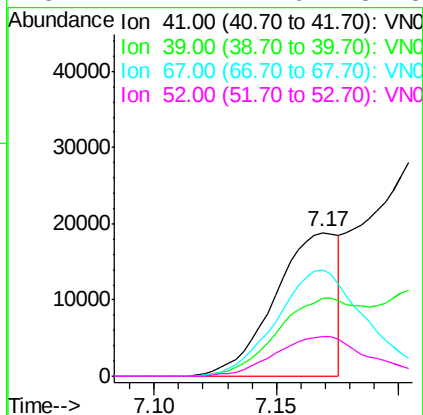
Tgt Ion: 78 Resp: 260796
 Ion Ratio Lower Upper
 78 100
 77 23.8 19.3 28.9
 51 25.5 19.8 29.8





#35
Methacrylonitrile
Concen: 16.063 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

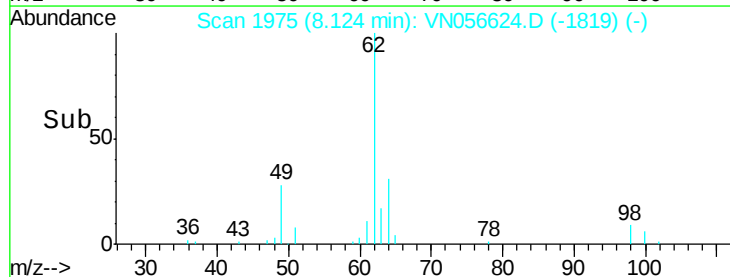
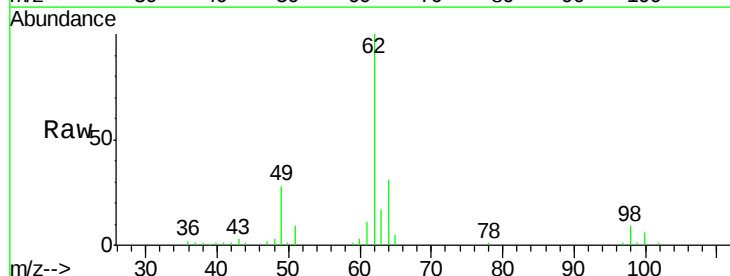
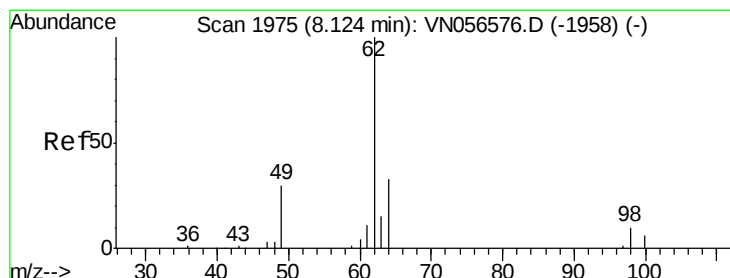
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNC	100		
39	39.00 (38.70 to 39.70): VNC	54.1	24.8	74.3
67	67.00 (66.70 to 67.70): VNC	74.2	34.3	102.9
52	52.00 (51.70 to 52.70): VNC	27.7	12.6	37.8



Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

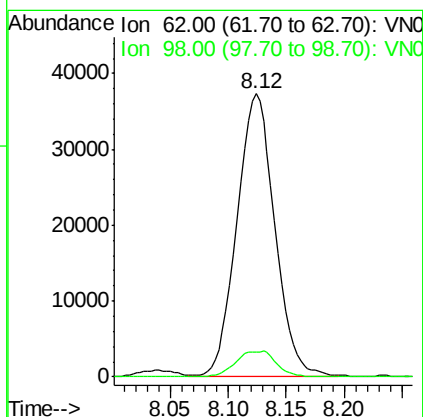
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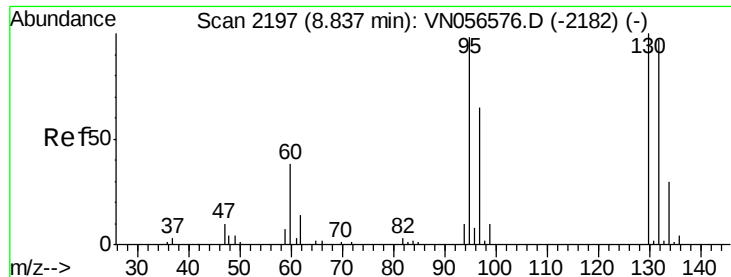
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.474 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.70 to 62.70): VNC	100		
98	98.00 (97.70 to 98.70): VNC	5.1	8.6	13.0#





#37

Trichloroethene

Concen: 19.400 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:130 Resp: 67979

Ion Ratio Lower Upper

130 100

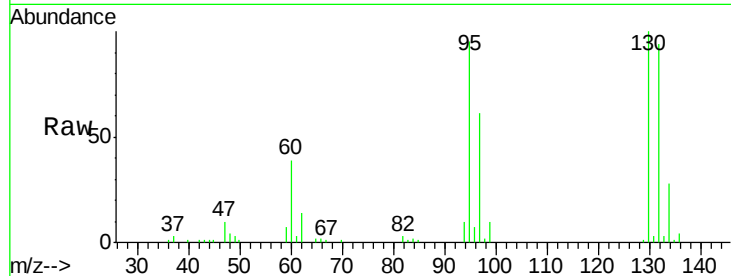
95 94.2 73.0 109.6

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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

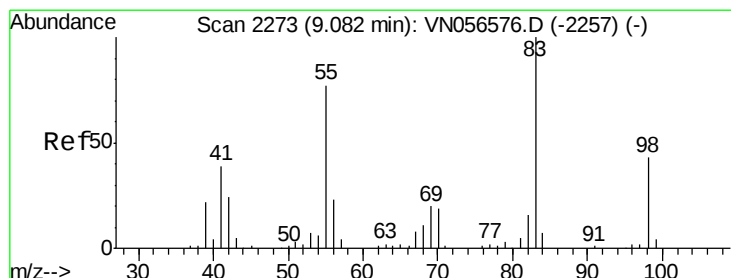
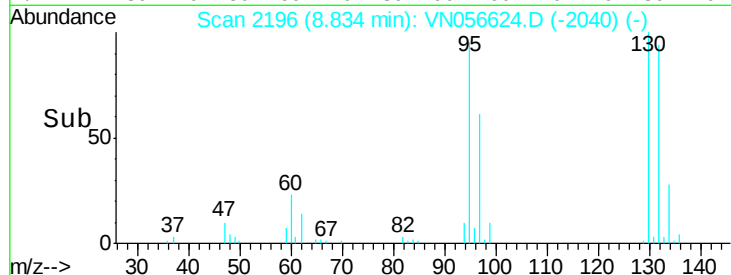
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 18.348 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

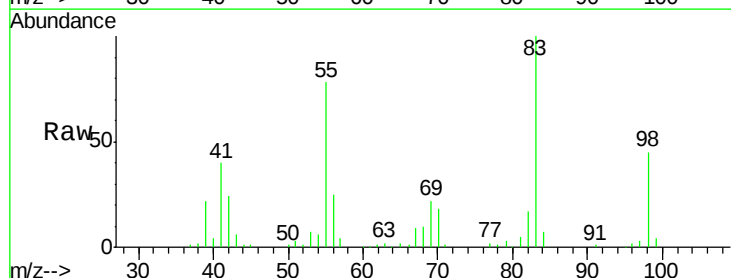
Tgt Ion: 83 Resp: 98802

Ion Ratio Lower Upper

83 100

55 77.1 37.5 112.7

98 45.5 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

50000

40000

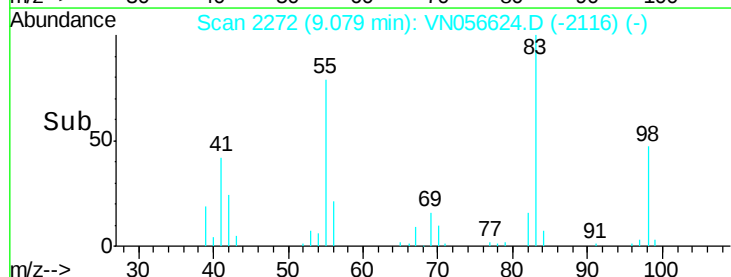
30000

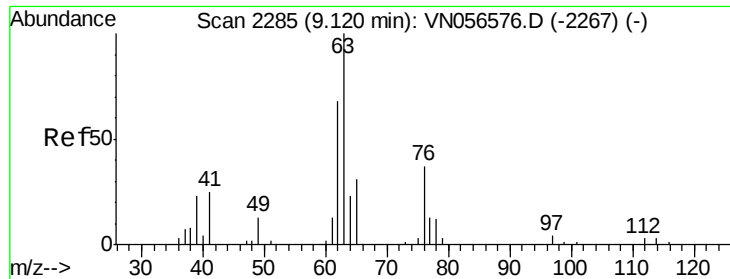
20000

10000

0

Time-->





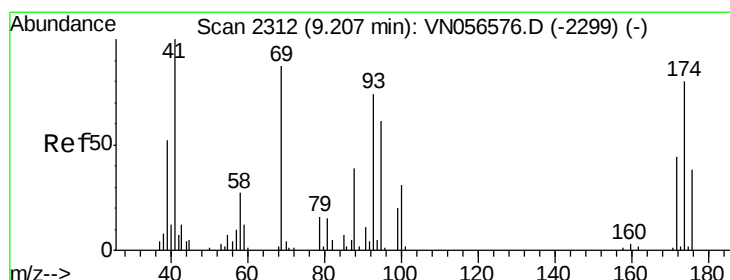
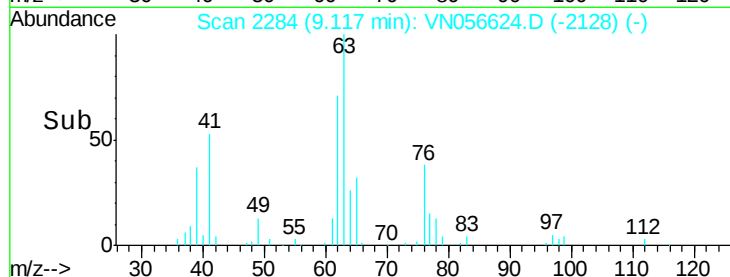
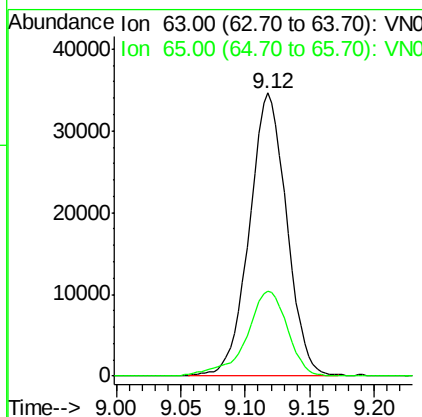
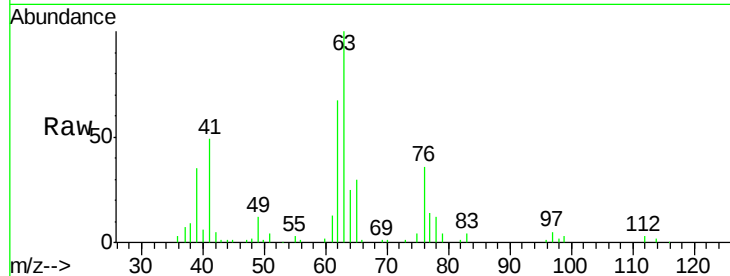
#39
 1,2-Dichloropropane
 Concen: 19.353 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion: 63 Resp: 69998
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.1 34.7

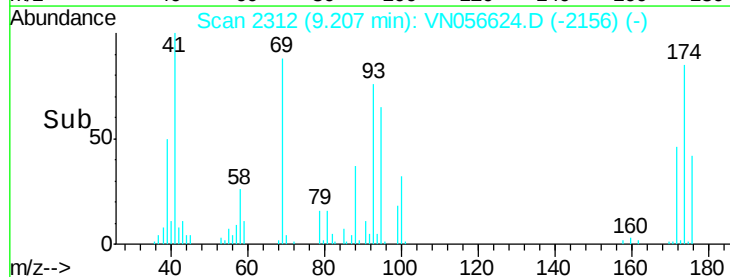
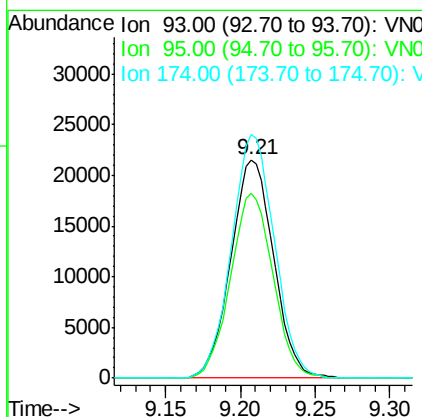
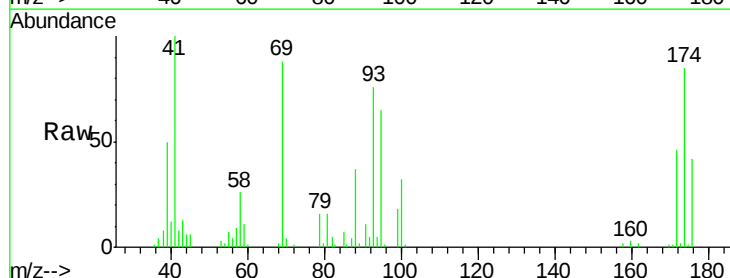
Manual Integrations
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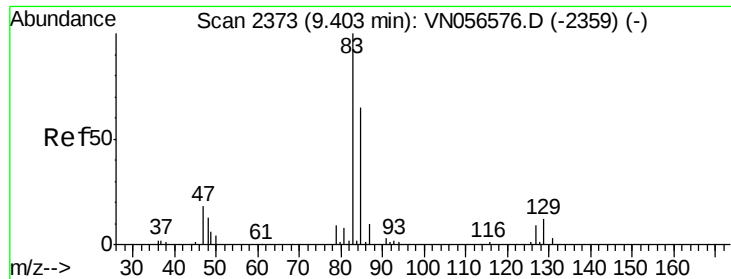
MMDadoda
 7/10/2019 9:18:05 AM



#40
 Dibromomethane
 Concen: 19.242 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion: 93 Resp: 43022
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 169.0
 174 111.5 0.0 246.4





#41

Bromodichloromethane

Concen: 19.246 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

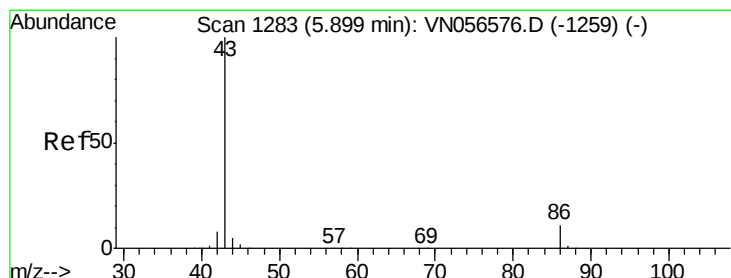
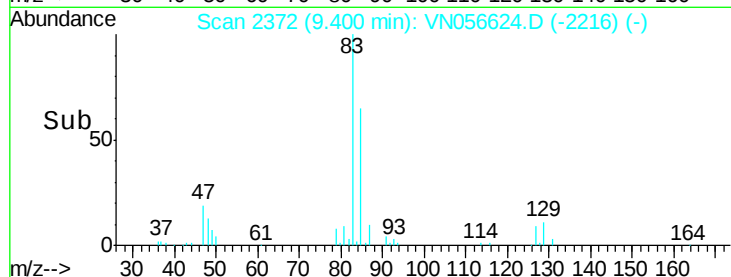
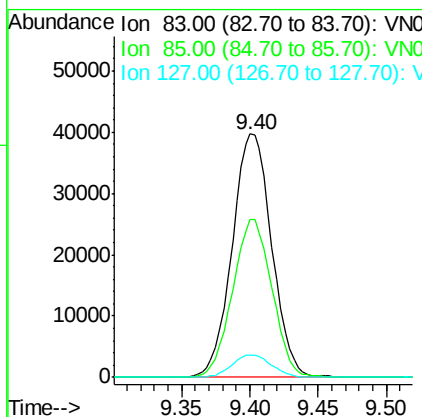
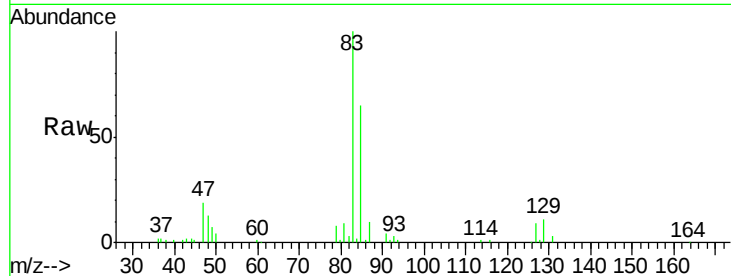
ClientSampleId :

VN0709WBS01

Tot Ion:	83	Resp:	79749
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.6
127	9.3	7.3	10.9

Manual Integrations
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7/10/2019 9:18:05 AM



#42

Vinyl Acetate

Concen: 95.549 ug/l

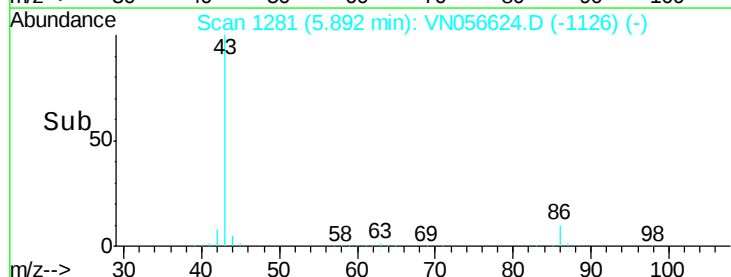
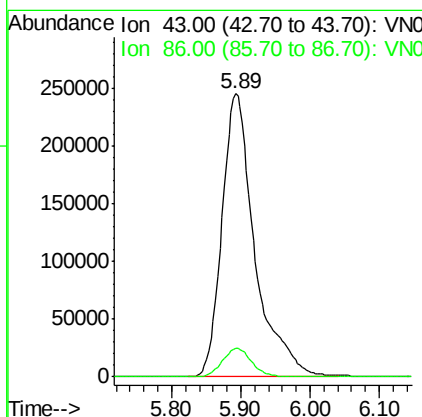
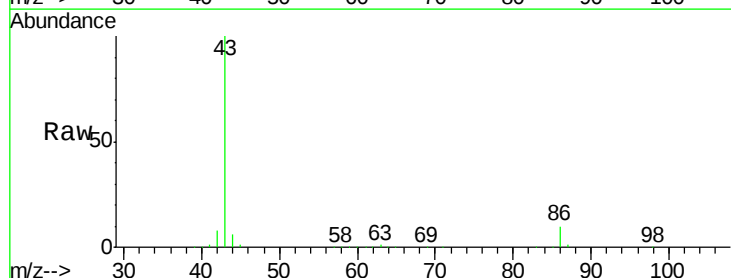
RT: 5.89 min Scan# 1281

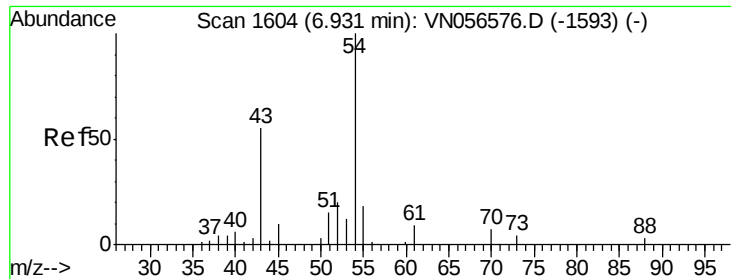
Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	43	Resp:	810409
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.9	11.9





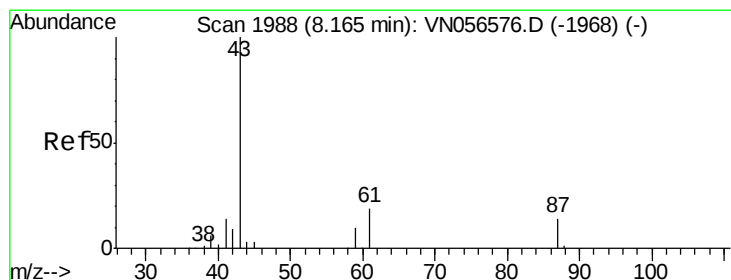
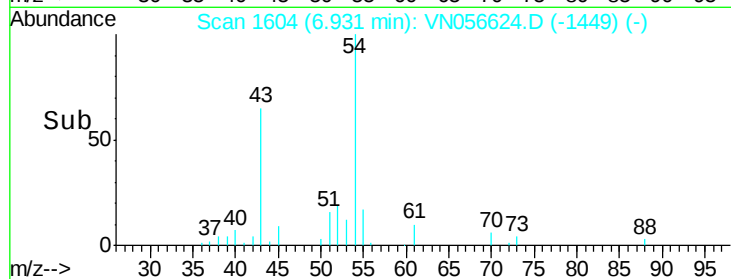
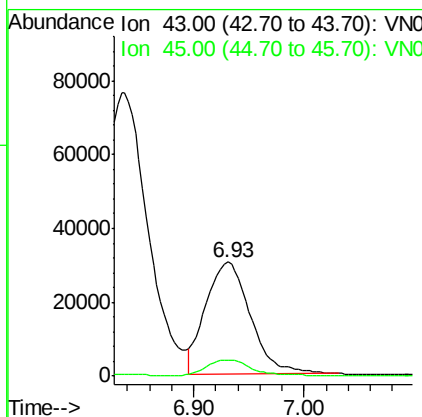
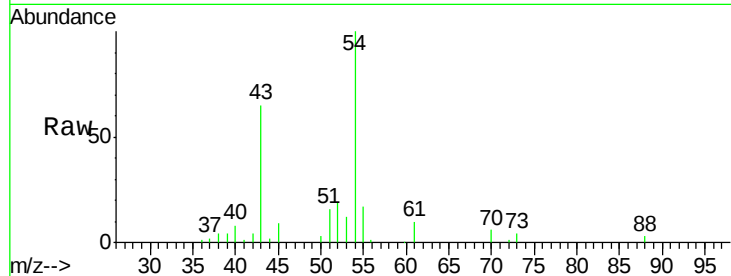
#43
Ethyl Acetate
Concen: 18.550 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 43 Resp: 85476
Ion Ratio Lower Upper
43 100
45 14.8 12.3 18.5

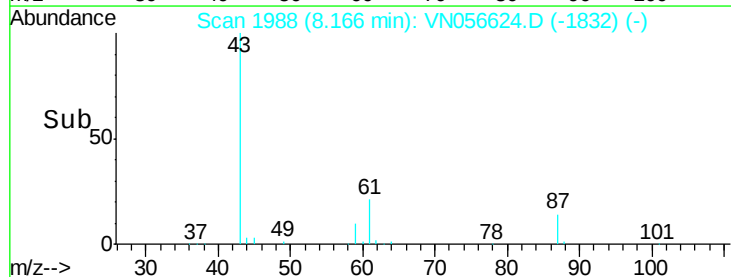
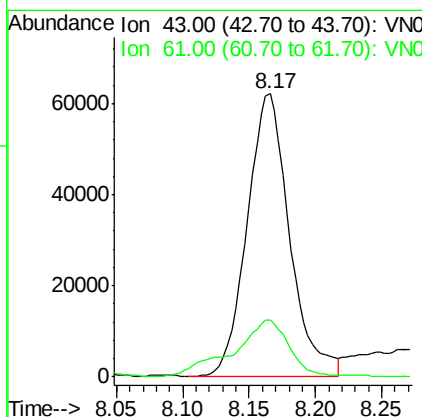
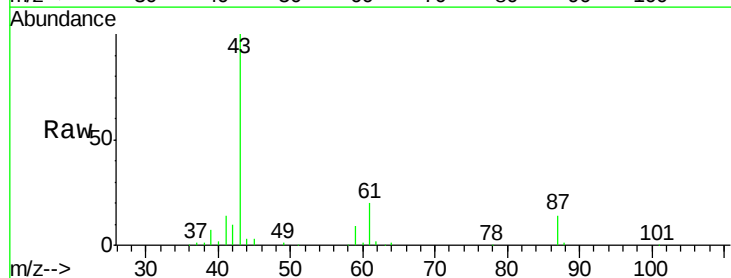
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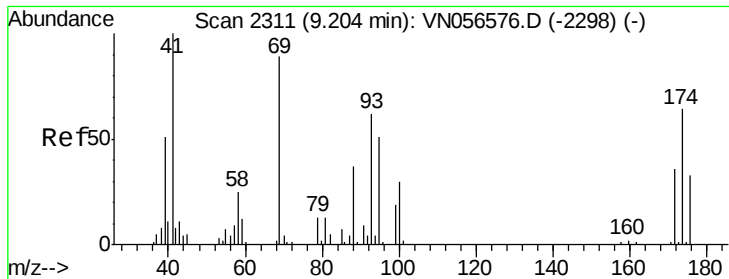
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.160 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion: 43 Resp: 137747
Ion Ratio Lower Upper
43 100
61 26.7 16.9 25.3#





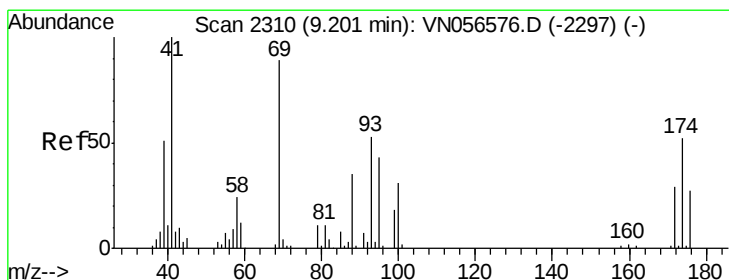
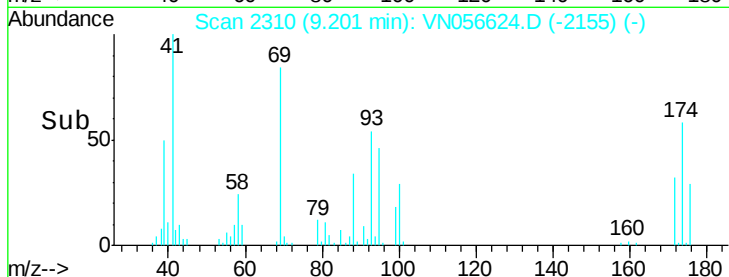
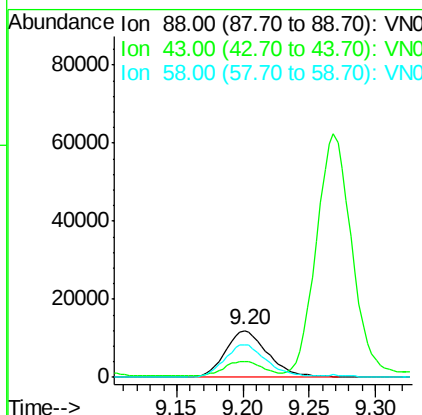
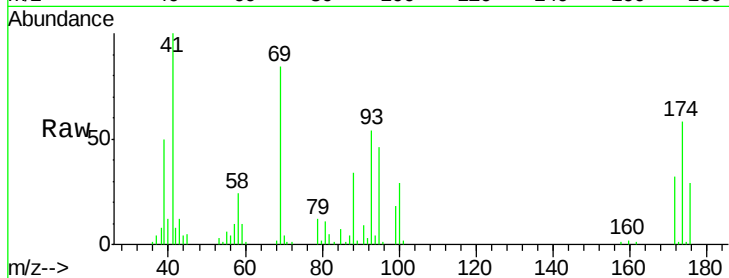
#45
 1,4-Dioxane
 Concen: 380.366 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	19.8	29.6
58	69.9	48.5	72.7

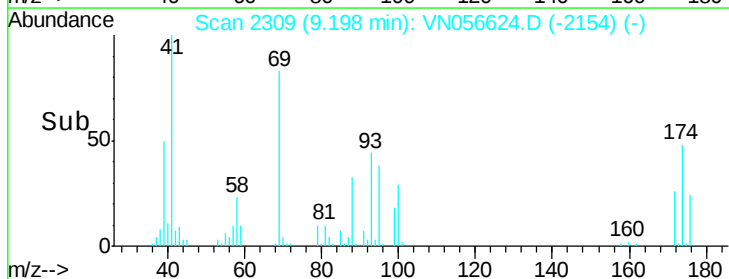
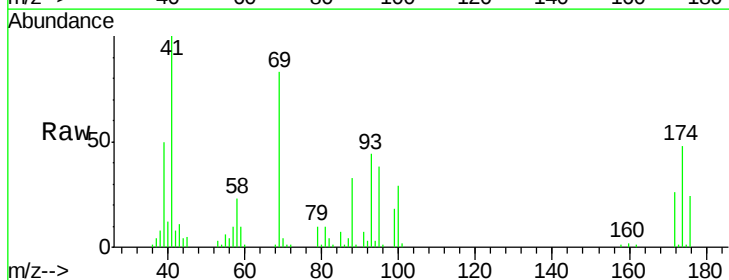
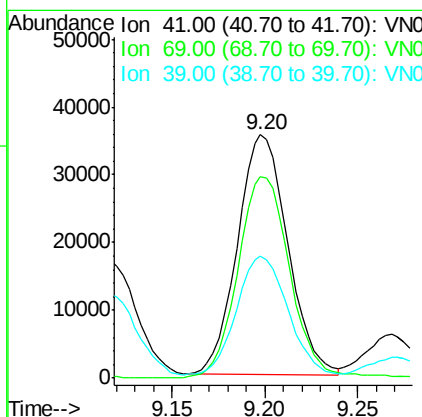
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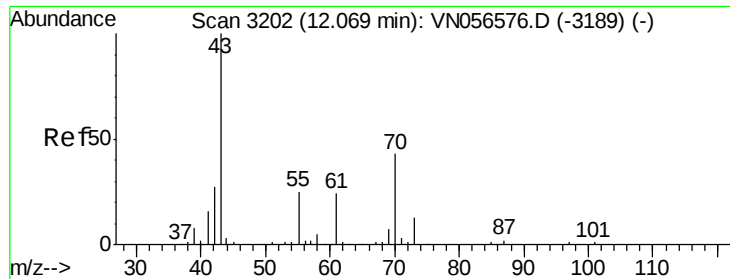
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#46
 Methyl methacrylate
 Concen: 18.838 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.9	46.0	137.8
39	49.3	24.6	73.8





#47

n-amvl Acetate

Concen: 18.264 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 43 Resp: 109136

Ion Ratio Lower Upper

43 100

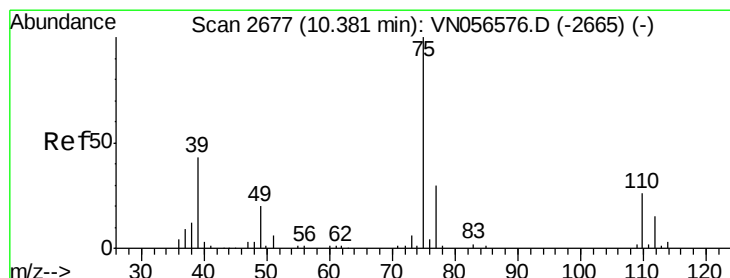
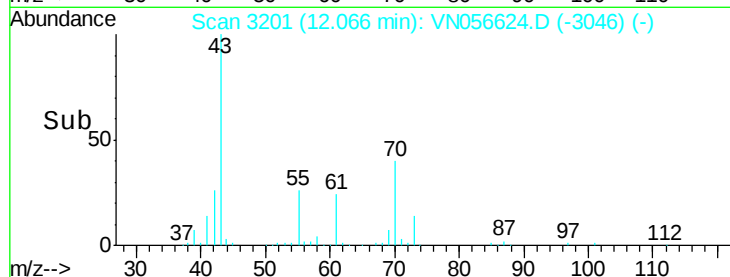
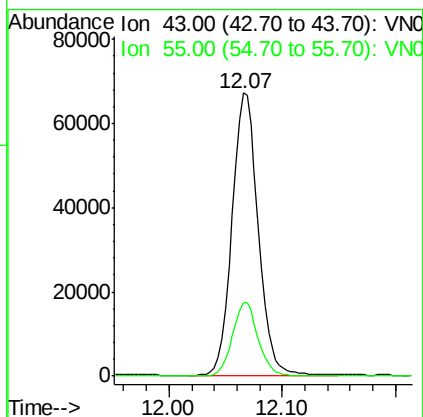
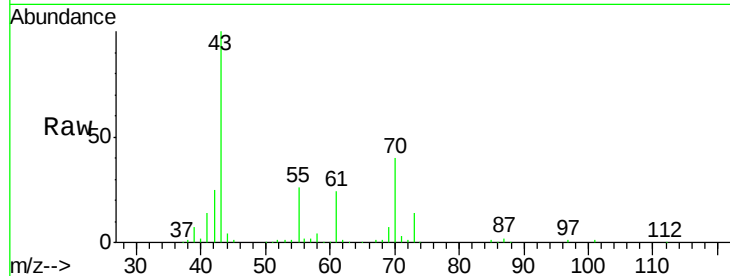
55 25.4 19.0 28.6

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#48

t-1,3-Dichloropropene

Concen: 18.712 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056624.D

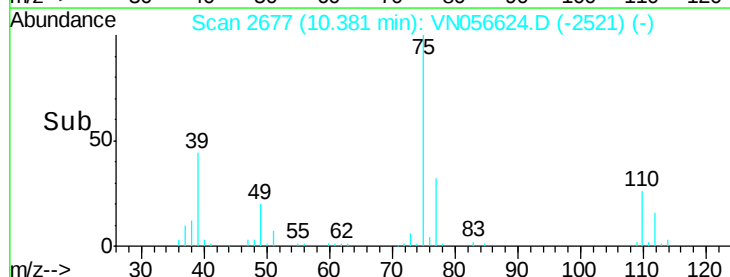
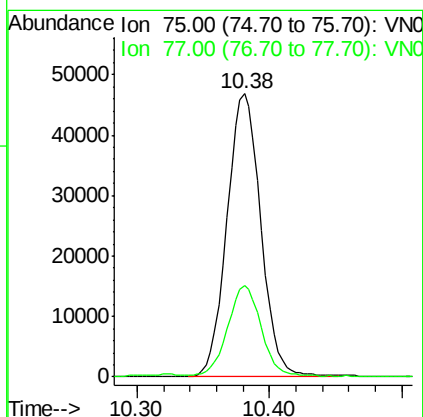
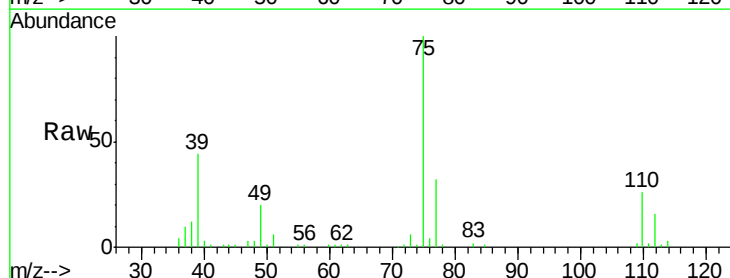
Acq: 9 Jul 2019 12:57

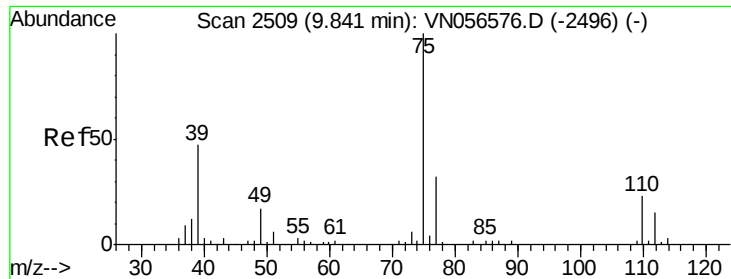
Tgt Ion: 75 Resp: 83100

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0





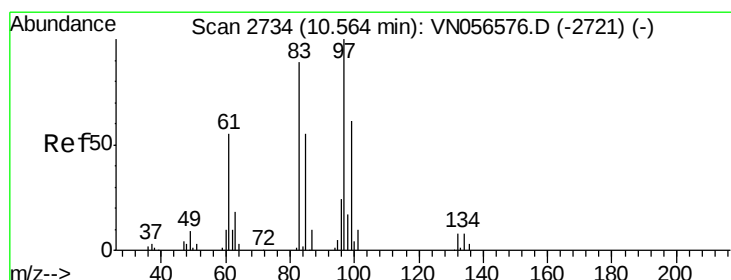
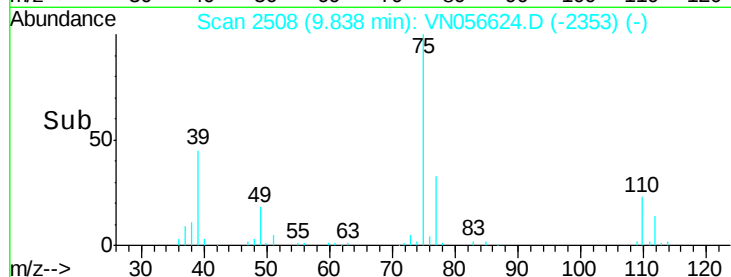
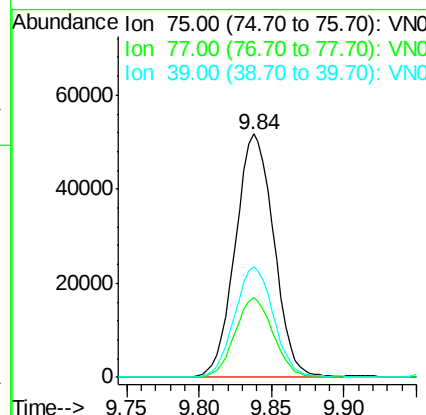
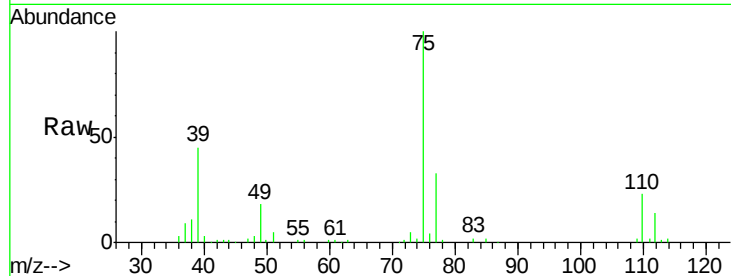
#49
 cis-1,3-Dichloropropene
 Concen: 18.715 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	45.3	34.3	51.5

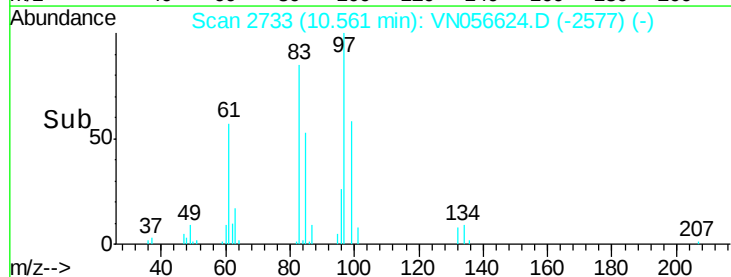
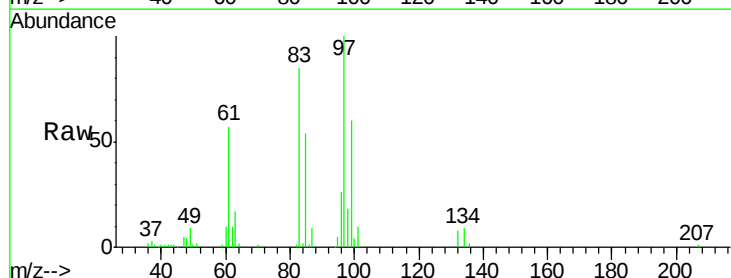
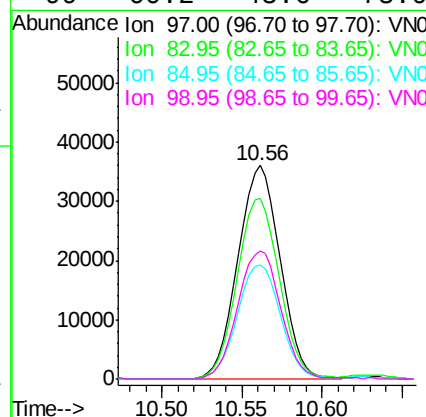
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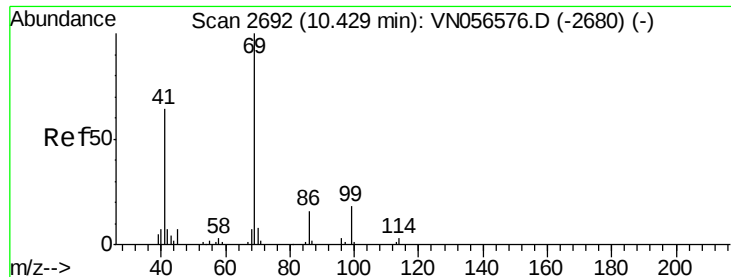
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#50
 1,1,2-Trichloroethane
 Concen: 19.771 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.9	100.3
85	53.6	43.3	64.9
99	60.2	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.674 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

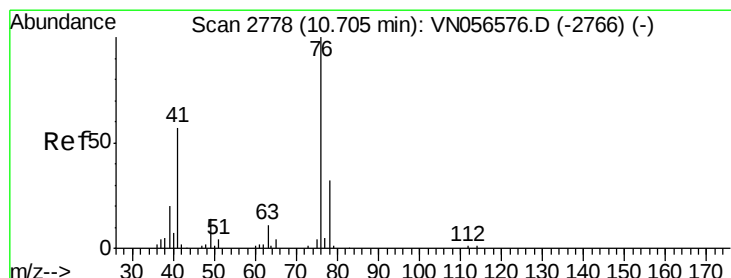
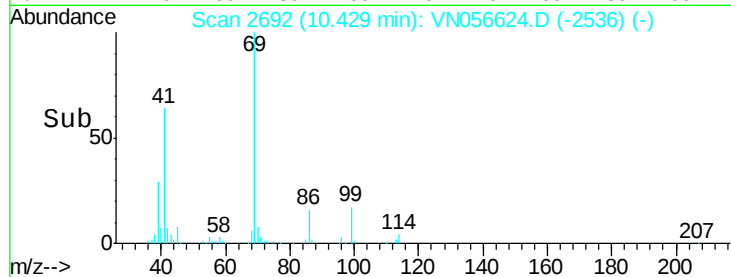
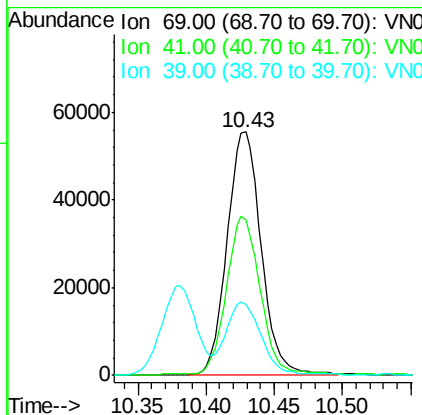
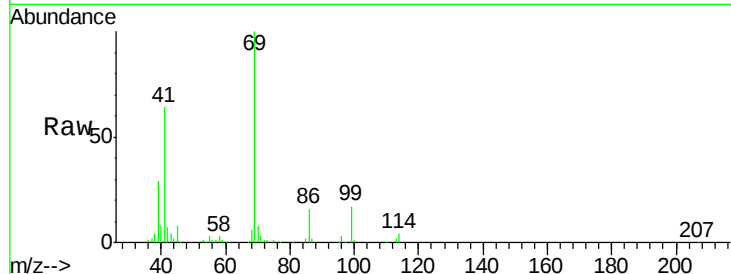
ClientSampleId :

VN0709WBS01

Tot Ion:	69	Resp:	96873
Ion	Ratio	Lower	Upper
69	100		
41	63.4	30.8	92.3
39	28.6	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 19.164 ug/l

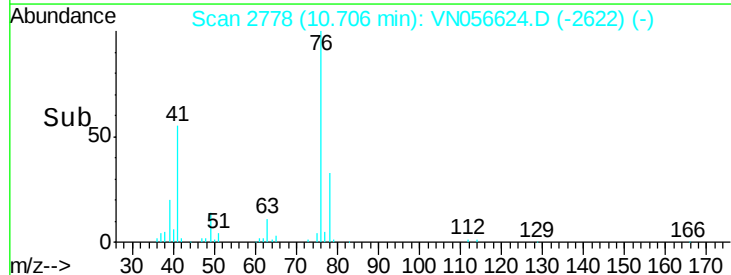
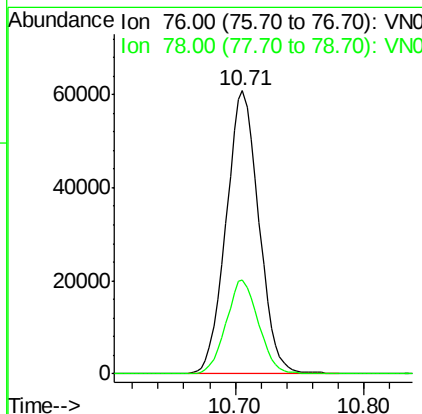
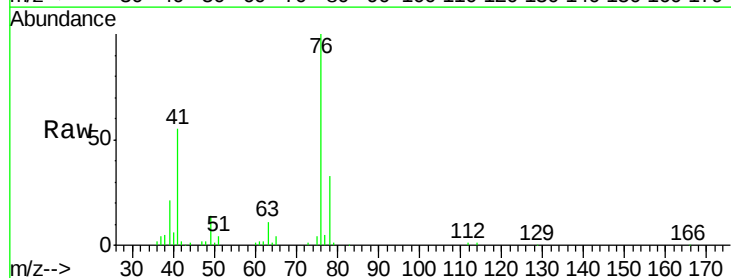
RT: 10.71 min Scan# 2778

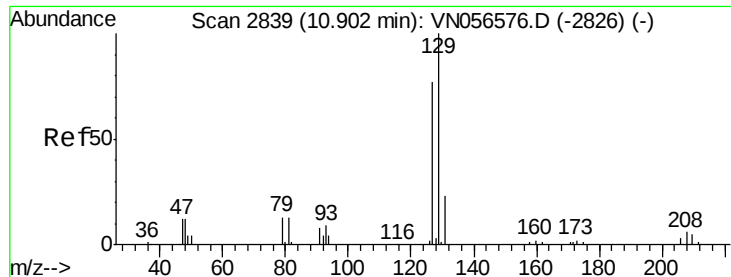
Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	76	Resp:	107258
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





#53

Dibromochloromethane

Concen: 19.465 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:129 Resp: 62838

Ion Ratio Lower Upper

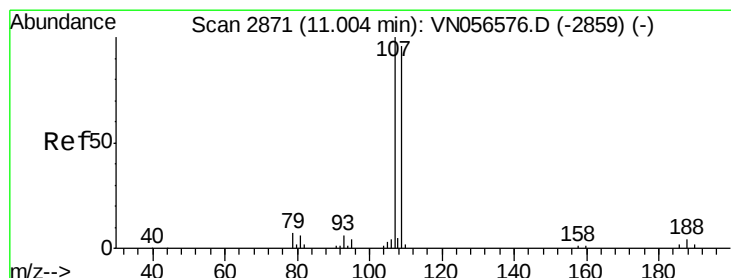
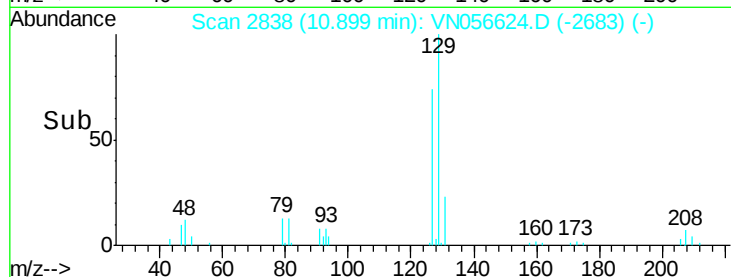
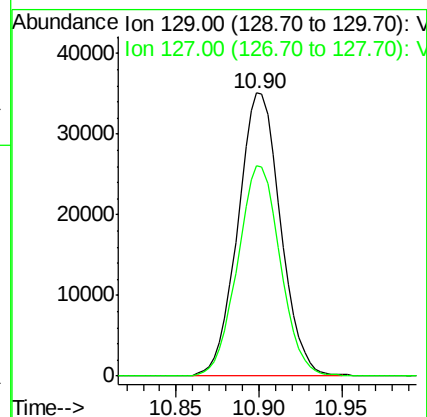
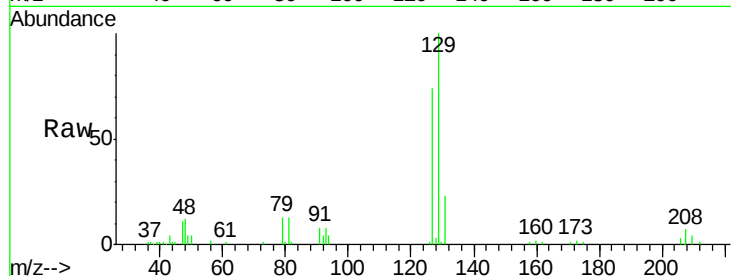
129 100

127 74.4 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 19.087 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056624.D

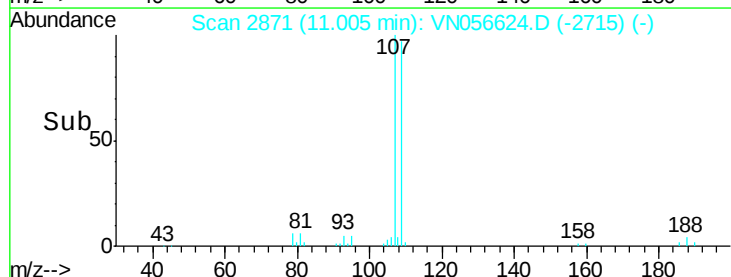
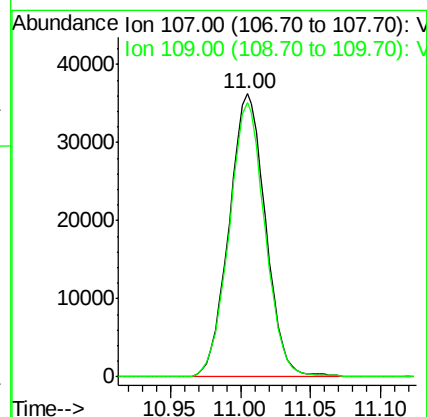
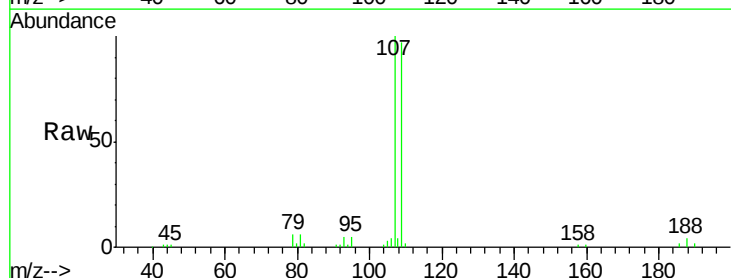
Acq: 9 Jul 2019 12:57

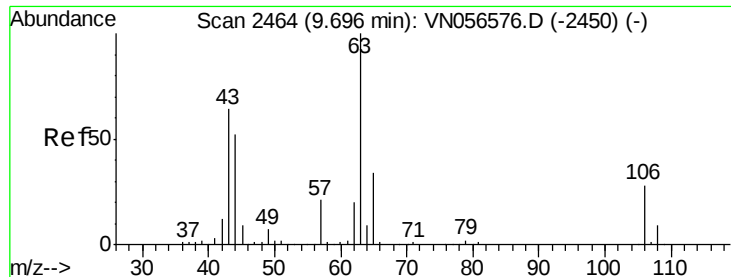
Tgt Ion:107 Resp: 65506

Ion Ratio Lower Upper

107 100

109 95.2 76.8 115.2





#55

2-Chloroethyl vinyl ether

Concen: 87.392 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 63 Resp: 231008

Ion Ratio Lower Upper

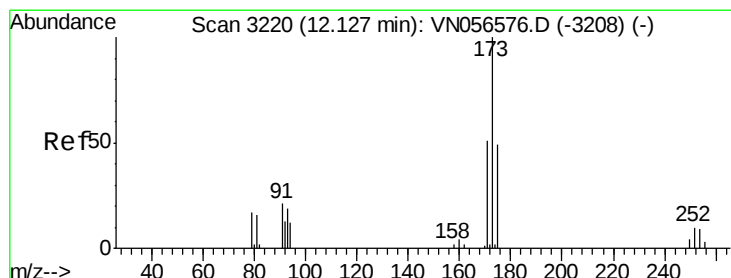
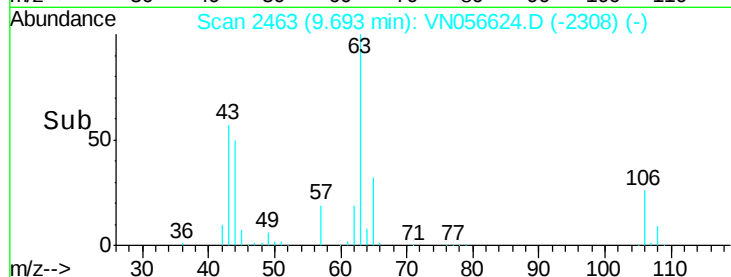
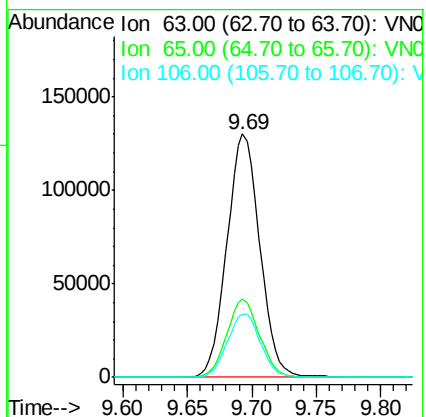
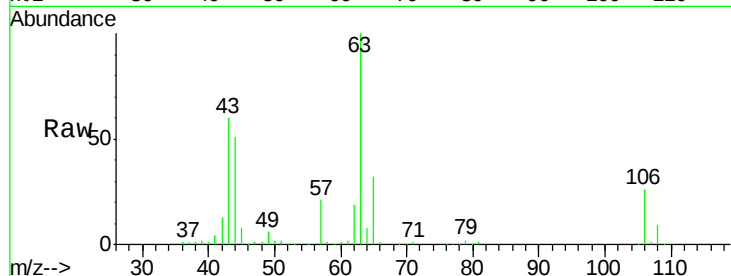
63 100

65 32.0 25.5 38.3

106 26.4 23.0 34.4

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#56

Bromoform

Concen: 18.511 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

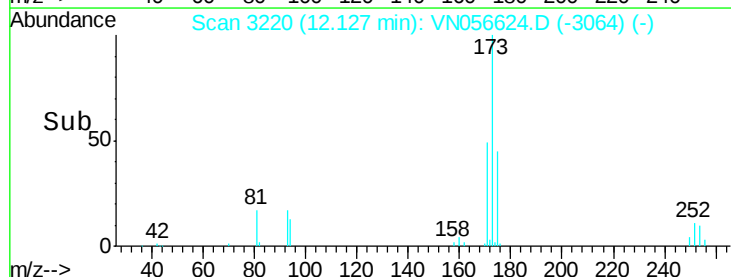
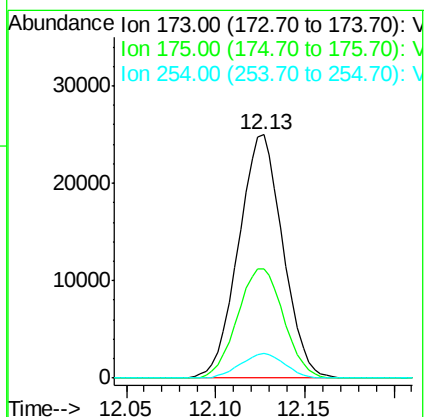
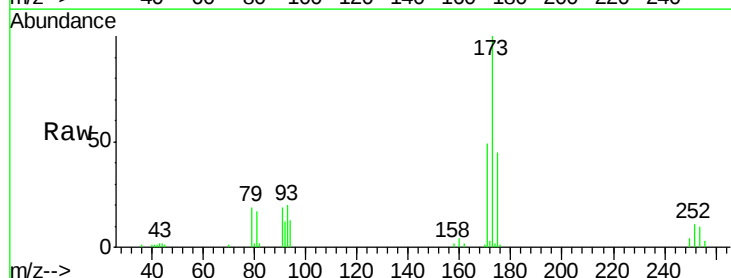
Tgt Ion: 173 Resp: 43421

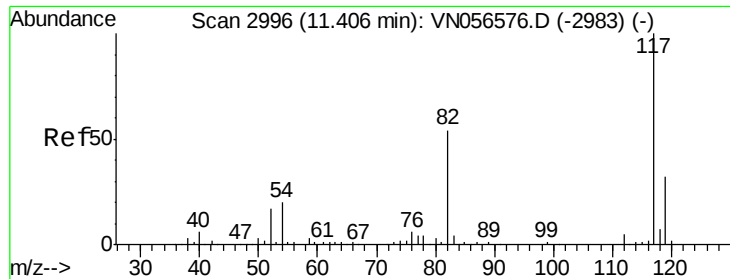
Ion Ratio Lower Upper

173 100

175 46.6 38.7 58.1

254 10.0 6.6 9.8#





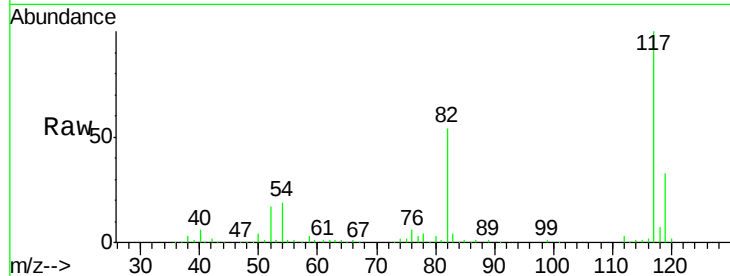
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

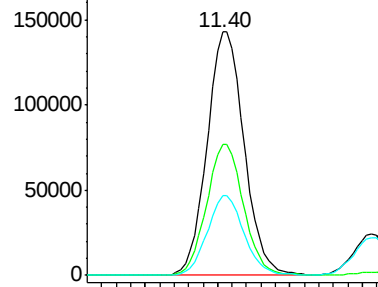
Tot Ion	Ratio	Resp	Lower	Upper
117	100	253517		
82	53.7	41.2	61.8	
119	32.5	26.2	39.2	

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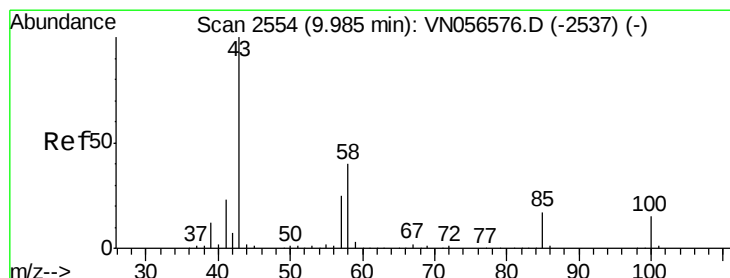
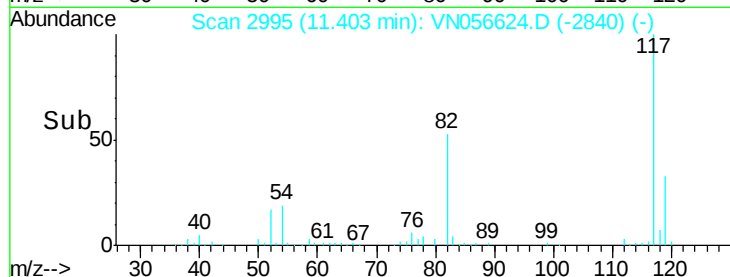
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

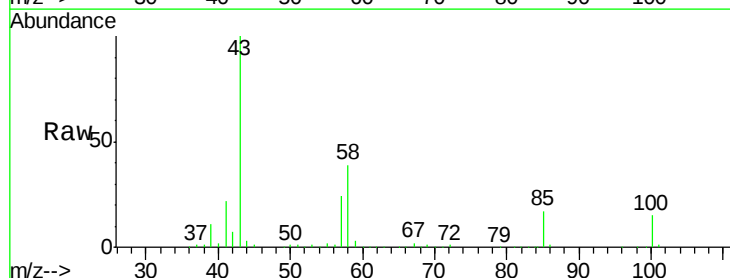


Time-->

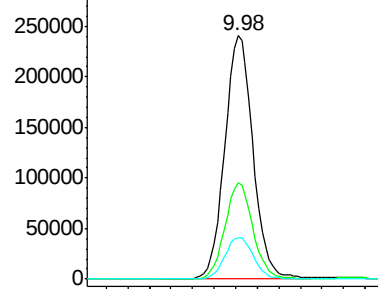


#58
4-Methyl-2-Pentanone
Concen: 95.722 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

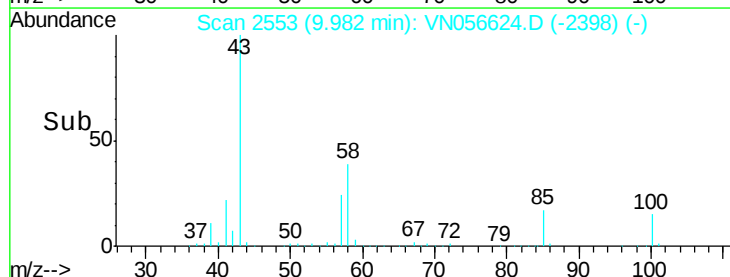
Tgt Ion	Ratio	Resp	Lower	Upper
43	100	436319		
58	39.2	33.1	49.7	
85	17.4	15.5	23.3	

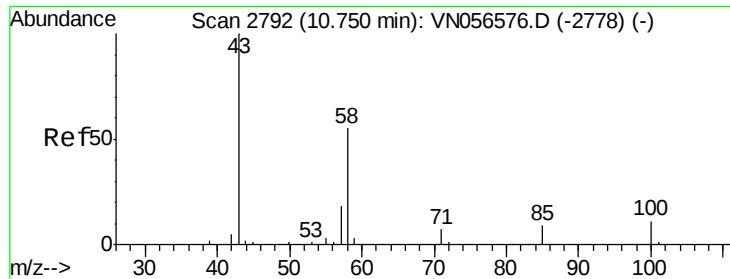


Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V



Time-->





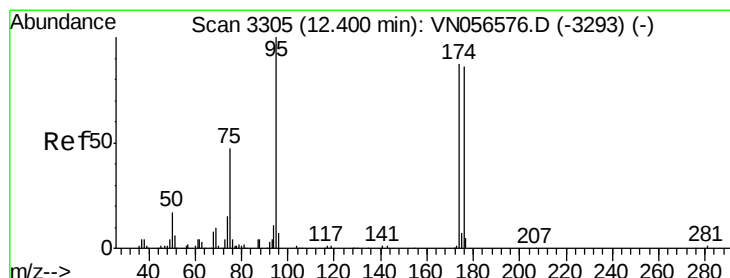
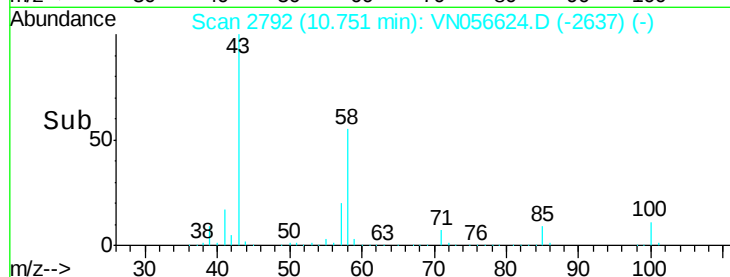
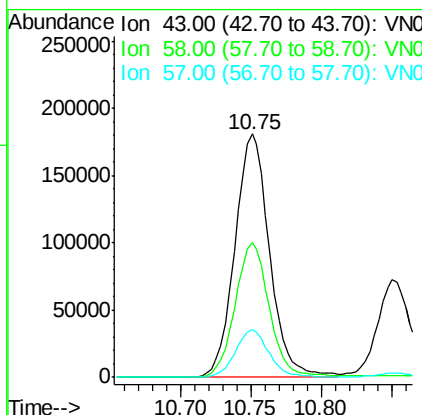
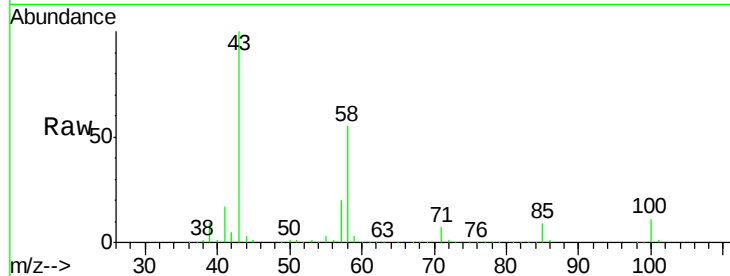
#59
2-Hexanone
Concen: 91.865 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	45.3	67.9
57	19.2	15.6	23.4

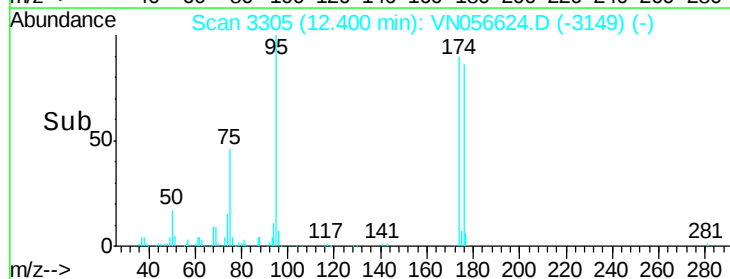
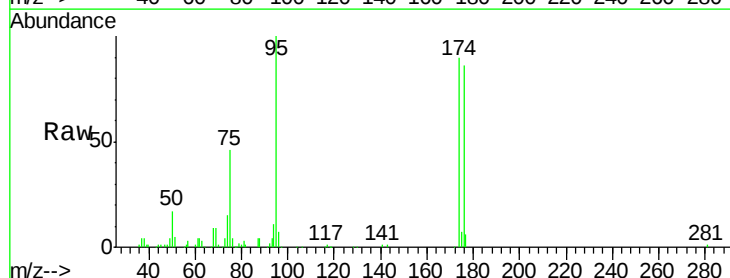
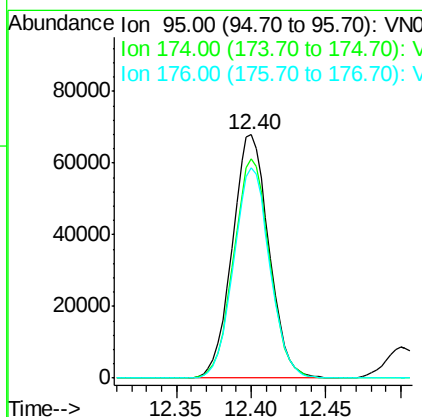
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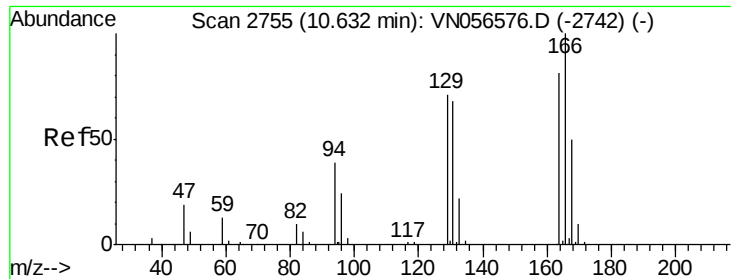
MMDadoda
7/10/2019 9:18:05 AM



#60
4-Bromofluorobenzene
Concen: 29.687 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	75.4	113.0
176	85.3	73.9	110.9





#61

Tetrachloroethene

Concen: 20.497 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:164 Resp: 65221

Ion Ratio Lower Upper

164 100

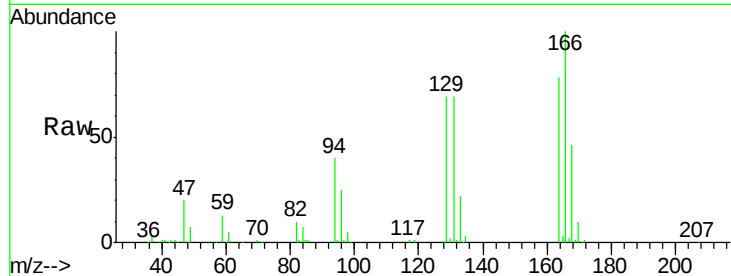
166 128.5 104.3 156.5

129 88.5 71.5 107.3

131 88.4 67.7 101.5

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MMDadoda
7/10/2019 9:18:05 AM

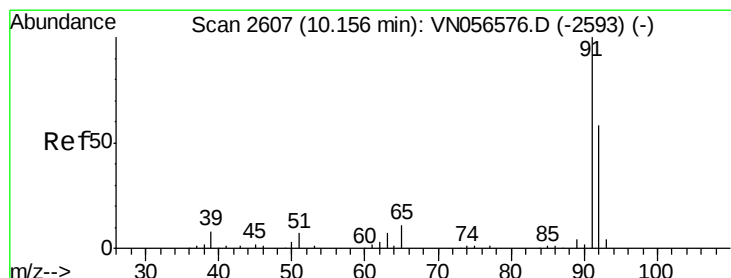
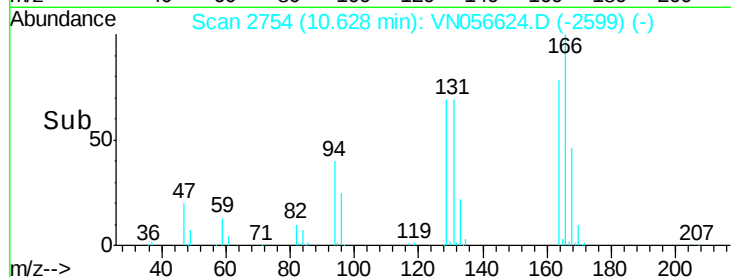
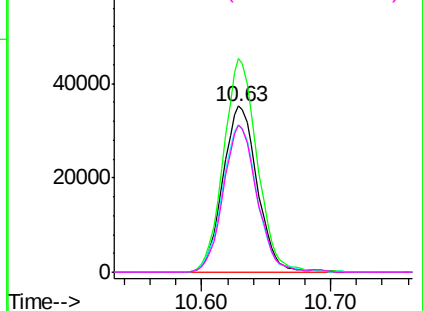


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.383 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056624.D

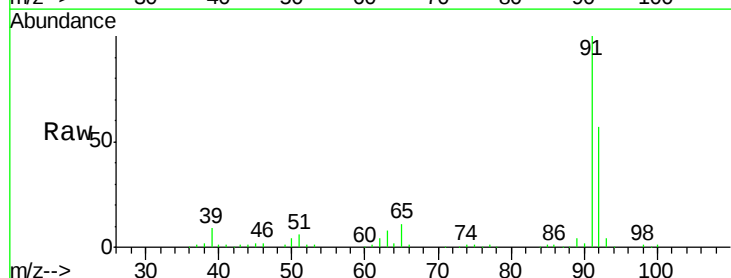
Acq: 9 Jul 2019 12:57

Tgt Ion: 91 Resp: 274253

Ion Ratio Lower Upper

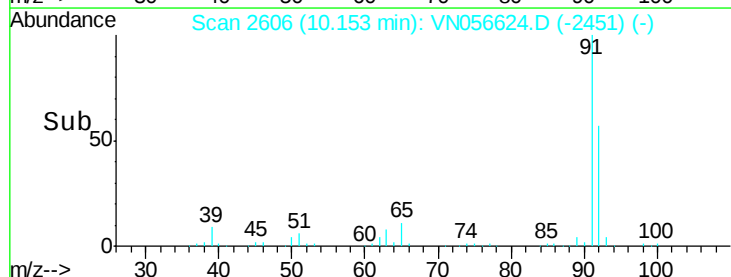
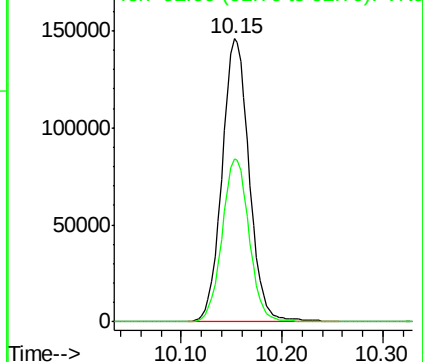
91 100

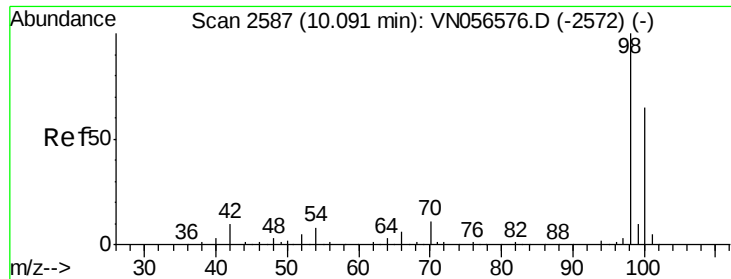
92 57.4 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





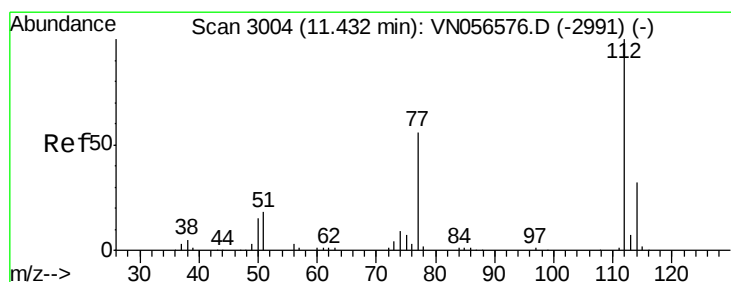
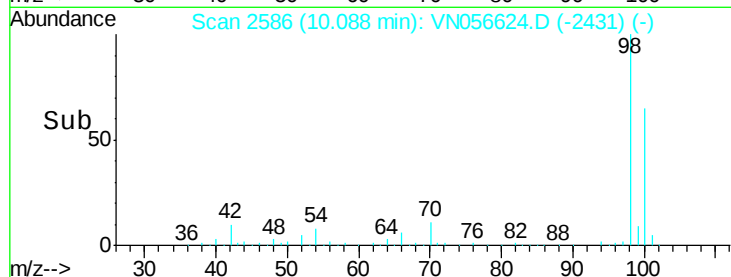
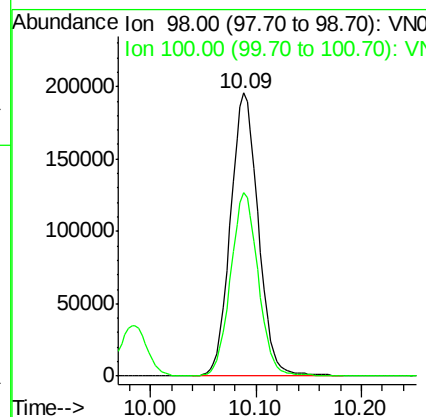
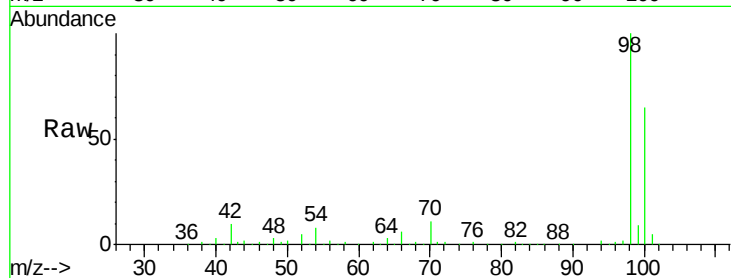
#63
Toluene-d8
Concen: 30.294 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion: 98 Resp: 356887
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.4

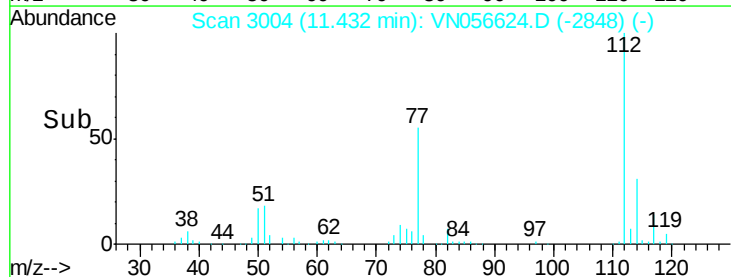
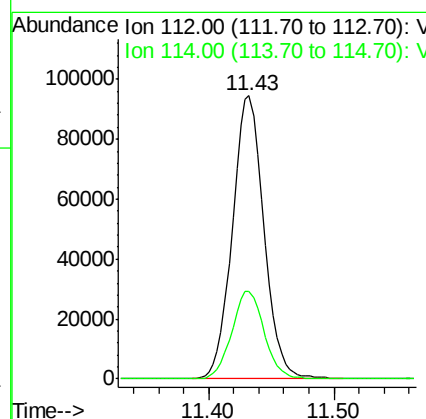
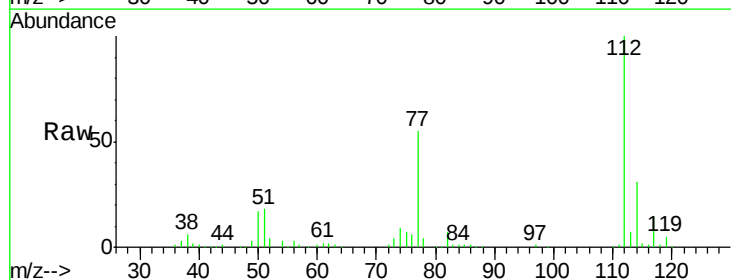
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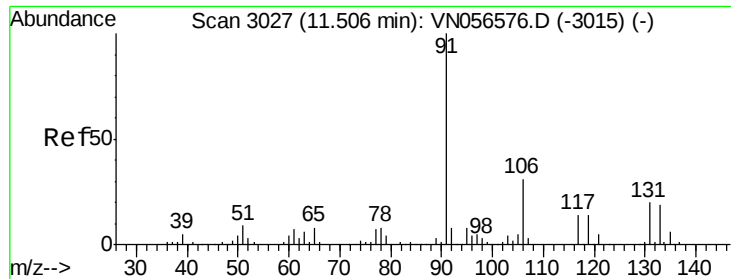
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#64
Chlorobenzene
Concen: 19.335 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion: 112 Resp: 164816
Ion Ratio Lower Upper
112 100
114 30.8 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.304 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

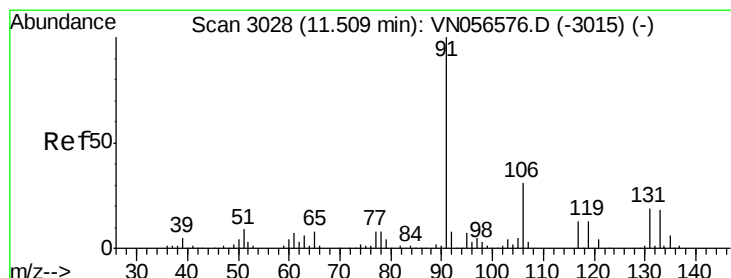
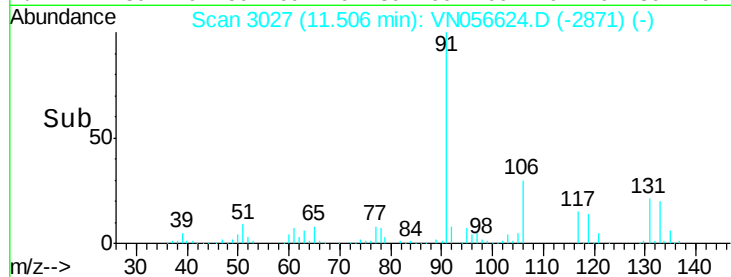
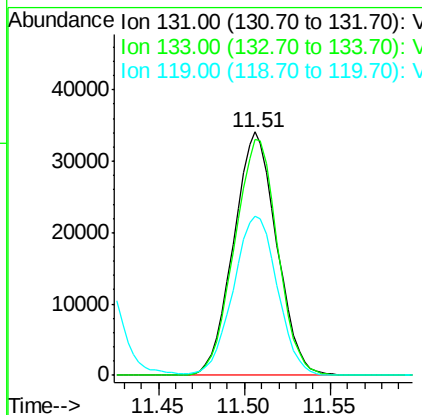
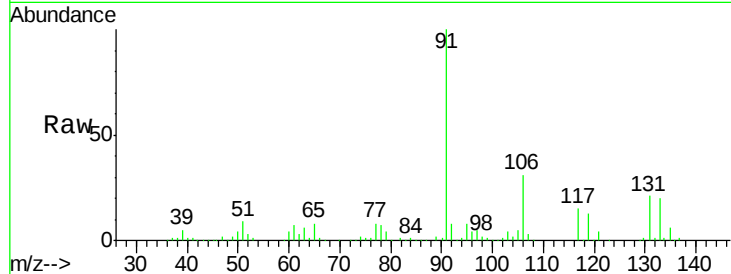
ClientSampleId :

VN0709WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
131	100		59261		
133	96.9	0.0	193.8		
119	67.1	0.0	134.4		

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#66

Ethyl Benzene

Concen: 18.827 ug/l

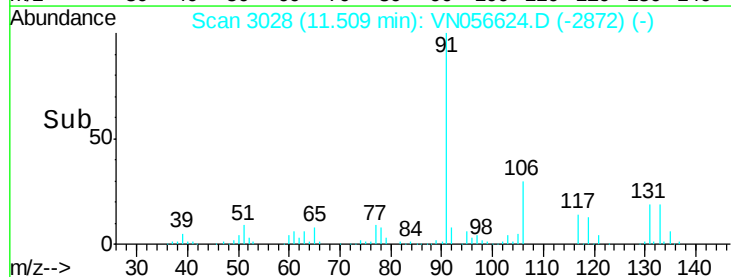
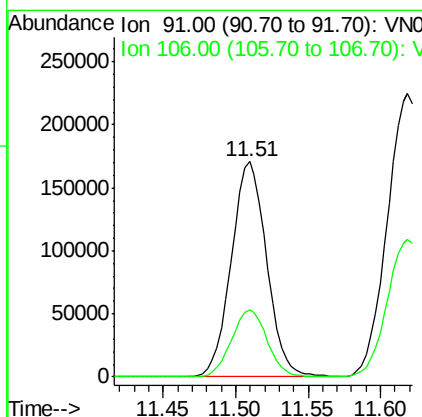
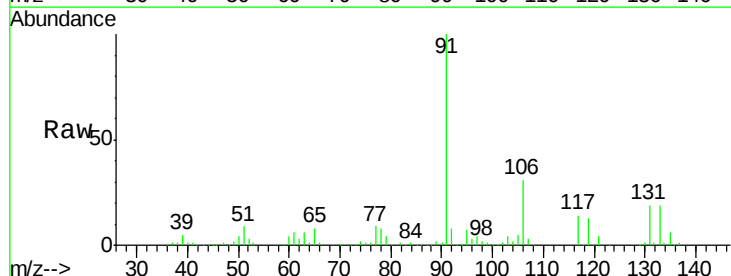
RT: 11.51 min Scan# 3028

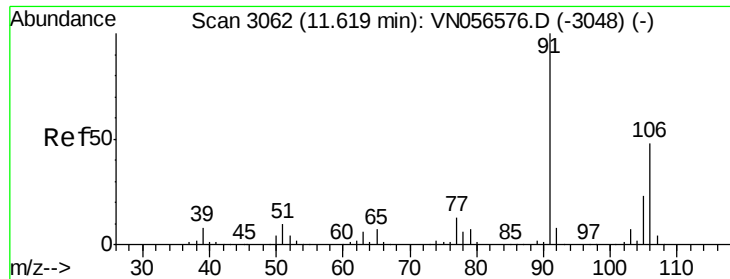
Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		288823		
106	31.3	25.7	38.5		





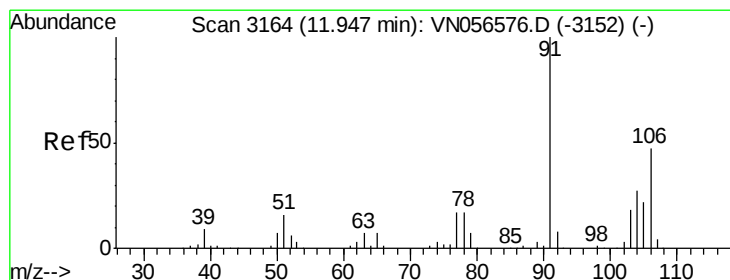
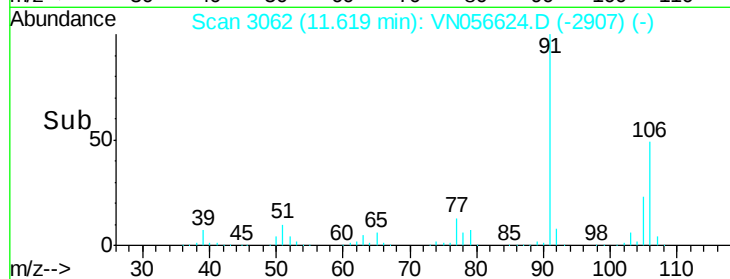
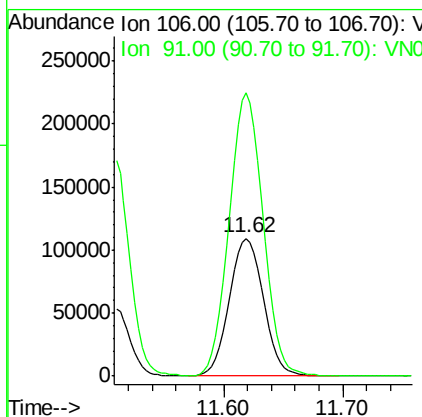
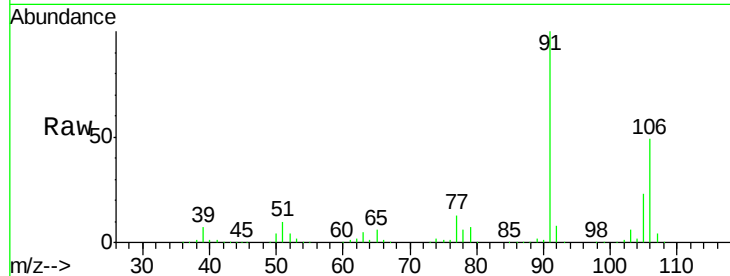
#67
m/p-Xvlenes
Concen: 38.501 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion:106 Resp: 217977
Ion Ratio Lower Upper
106 100
91 203.7 155.7 233.5

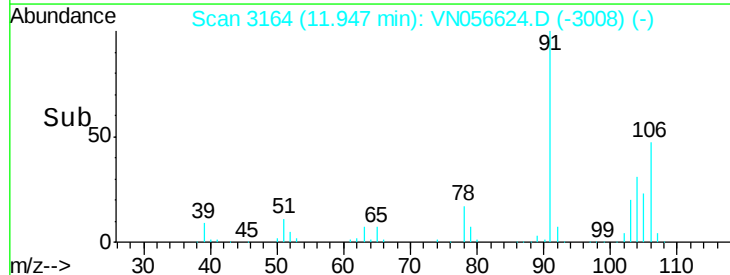
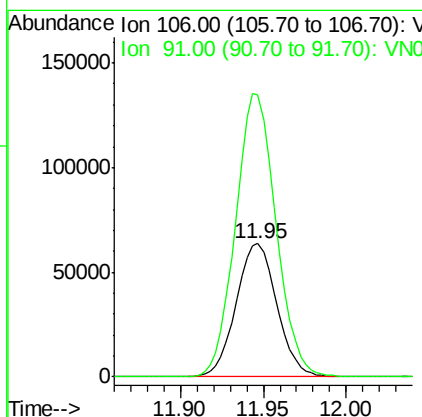
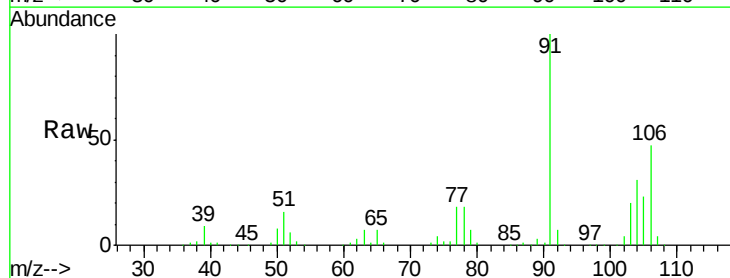
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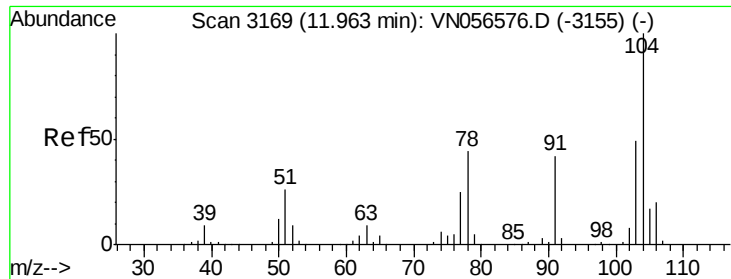
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#68
o-Xylene
Concen: 19.437 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion:106 Resp: 108827
Ion Ratio Lower Upper
106 100
91 211.1 103.9 311.7





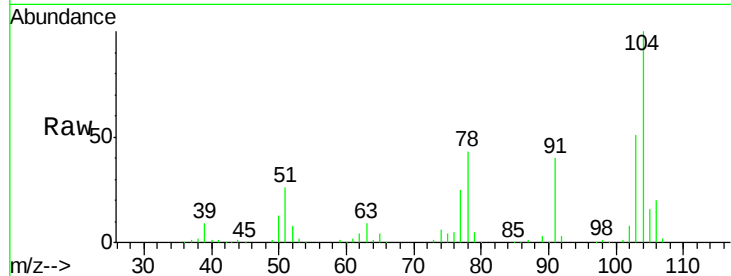
#69
Stvrene
Concen: 18.983 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

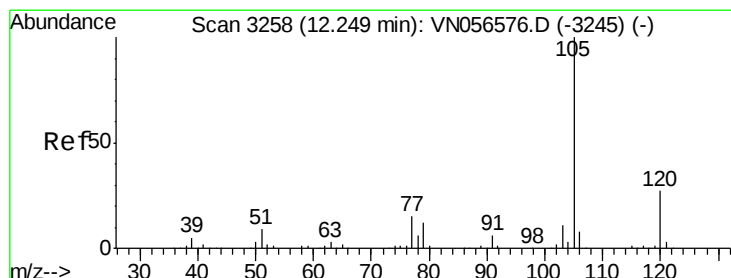
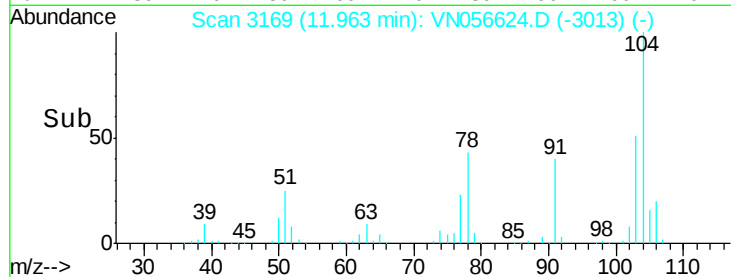
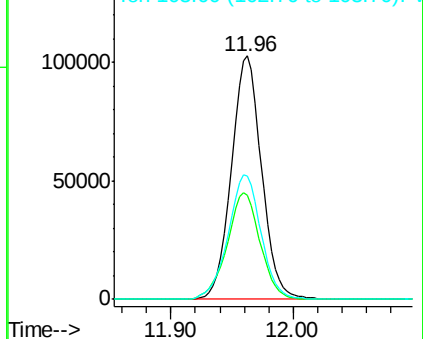
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.0	55.6
103	55.8	44.4	66.6

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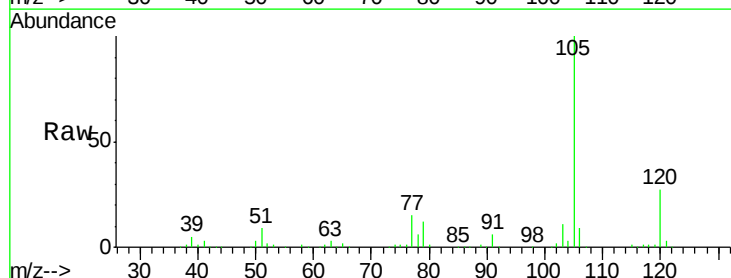


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

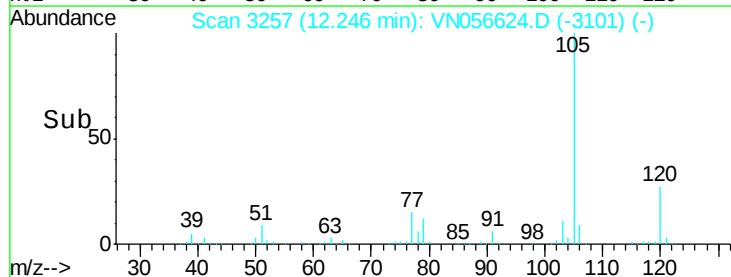
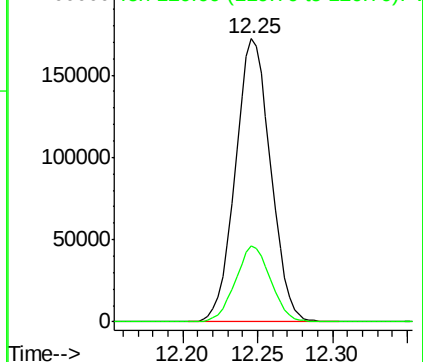


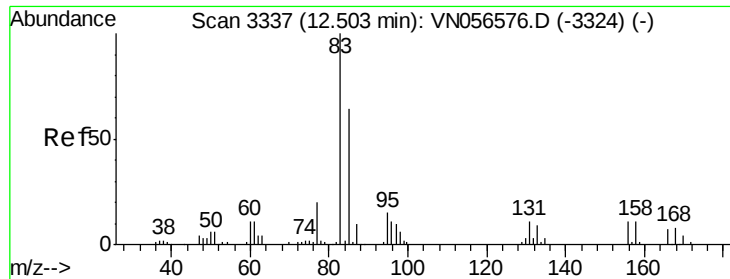
#70
Isopropylbenzene
Concen: 19.317 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.3	35.8



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





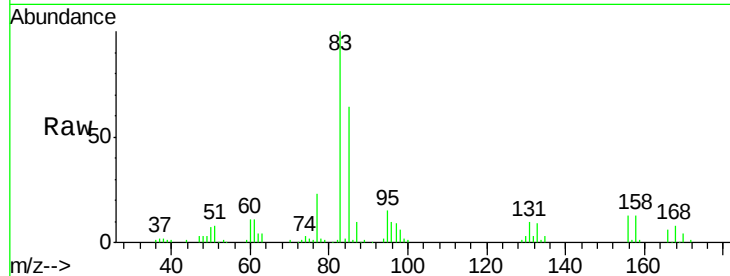
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.308 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

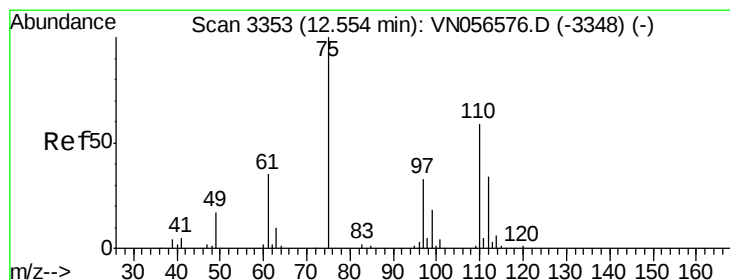
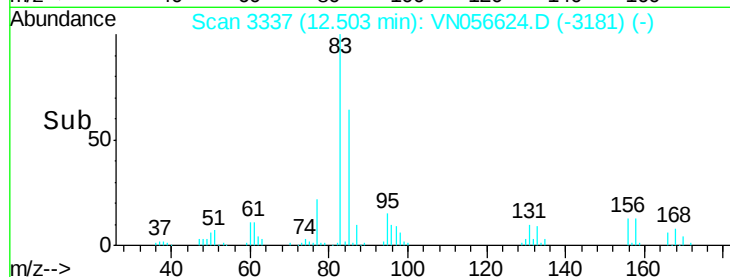
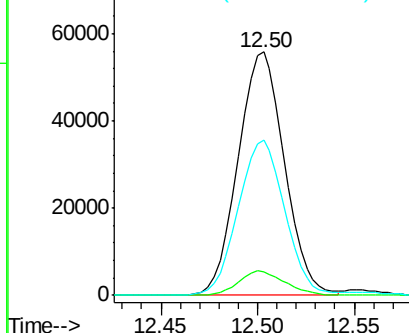
Tot Ion	83	Resp	93254
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.2	15.6
85	63.9	31.6	94.7

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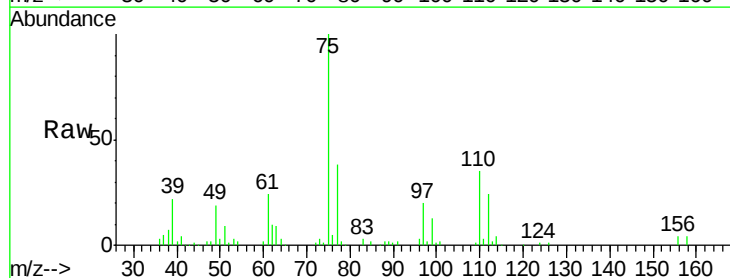


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

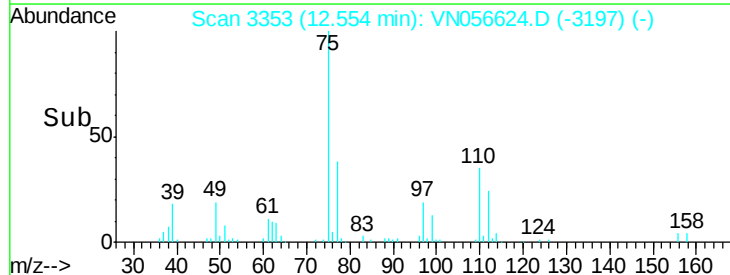
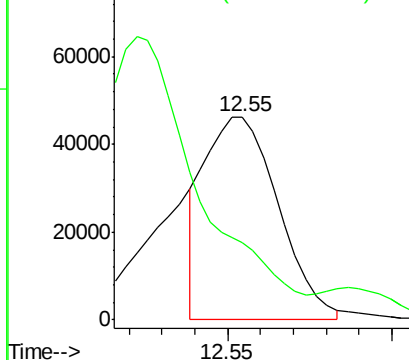


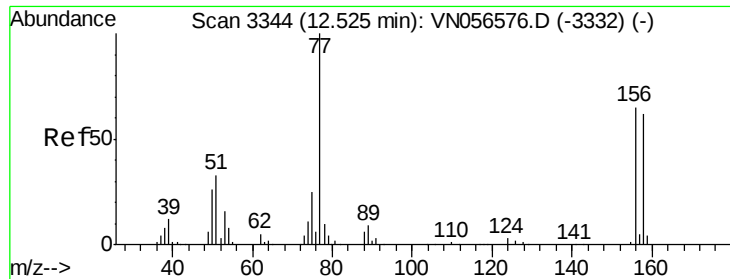
#72
 1,2,3-Trichloropropane
 Concen: 17.778 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	75	Resp	72204
Ion Ratio	100	Lower	Upper
75	100		
77	14.6	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





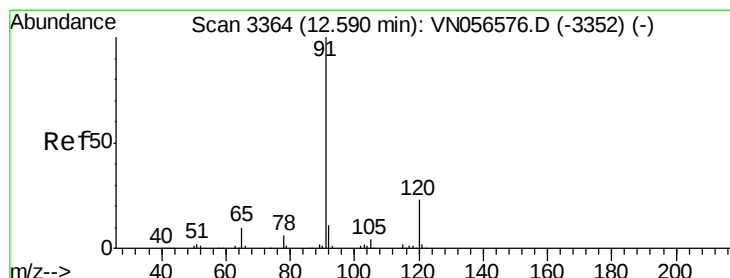
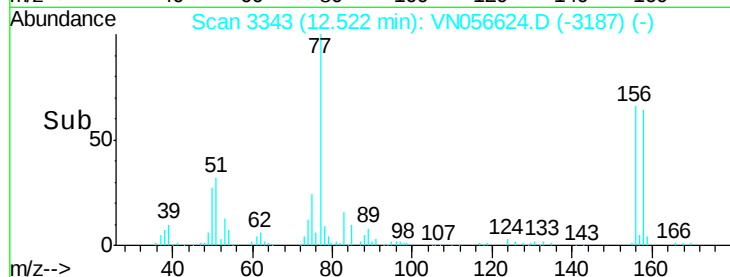
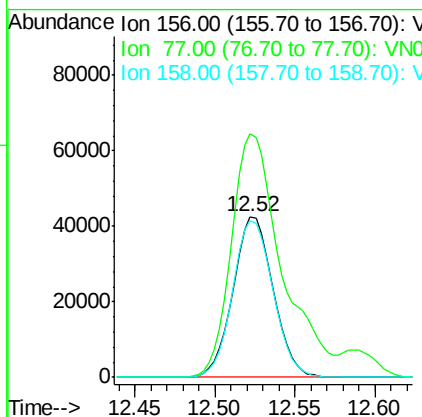
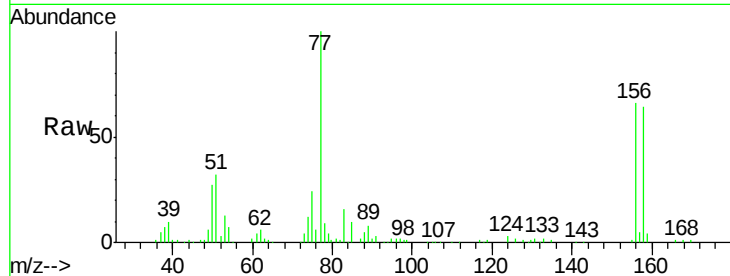
#73
Bromobenzene
Concen: 19.276 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		72626		
77	190.5	0.0	350.8		
158	98.3	0.0	193.2		

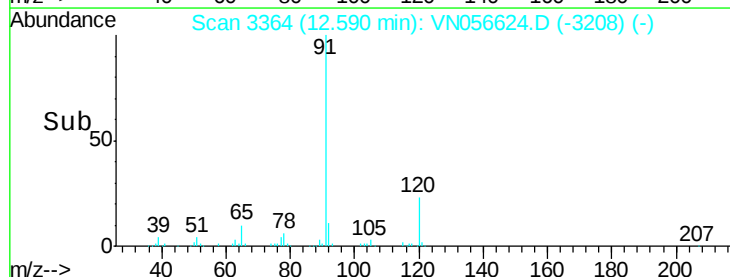
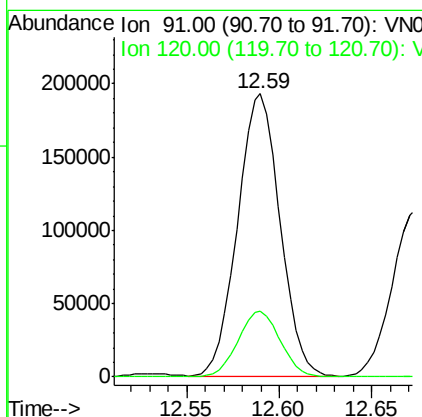
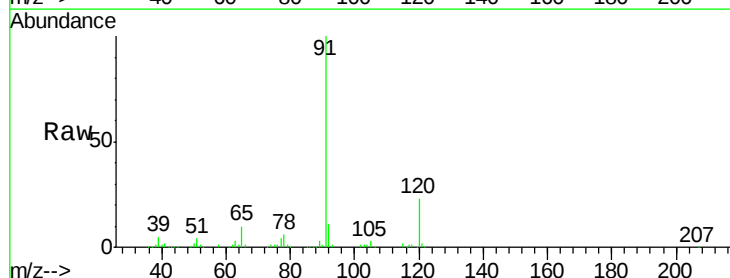
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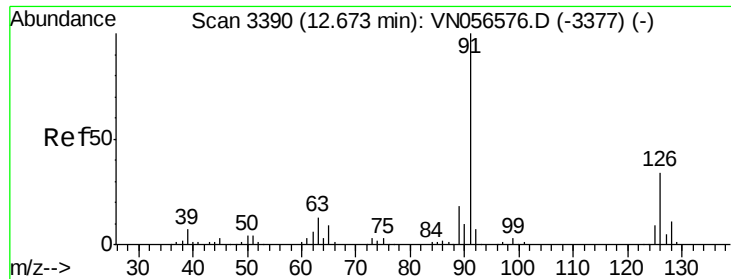
MMDadoda
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#74
n-propylbenzene
Concen: 18.604 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		308341		
120	23.0	0.0	48.6		





#75

2-Chlorotoluene

Concen: 19.209 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion: 91 Resp: 190370

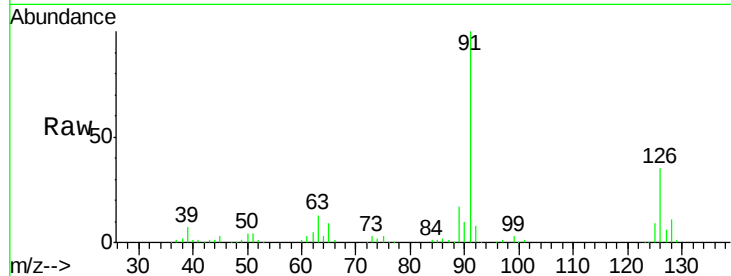
Ion Ratio Lower Upper

91 100

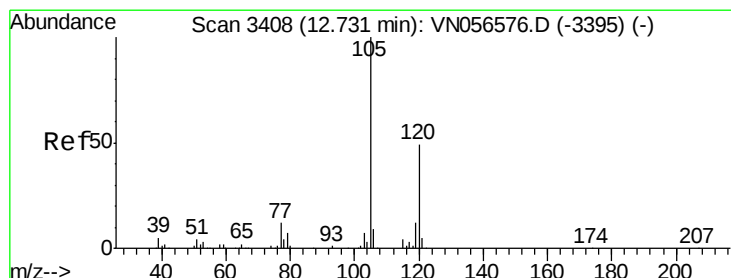
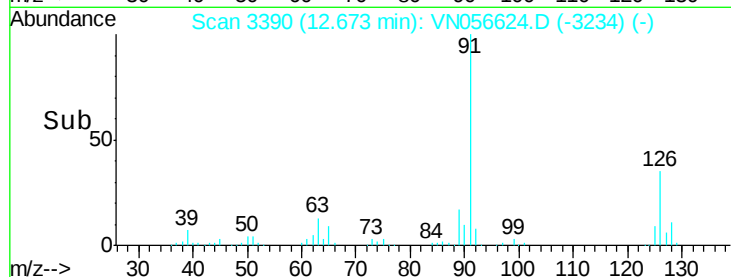
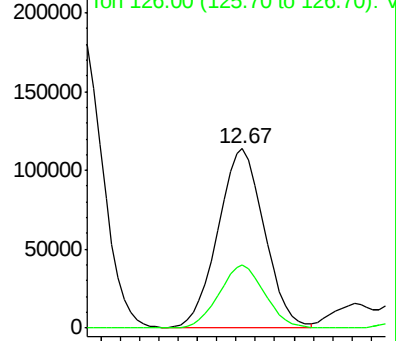
126 34.7 0.0 72.4

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7/10/2019 9:18:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056624.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.307 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056624.D

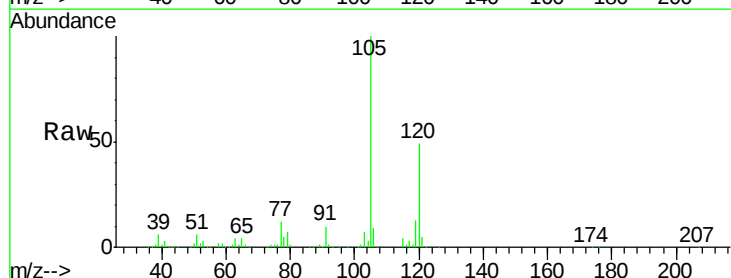
Acq: 9 Jul 2019 12:57

Tgt Ion:105 Resp: 238833

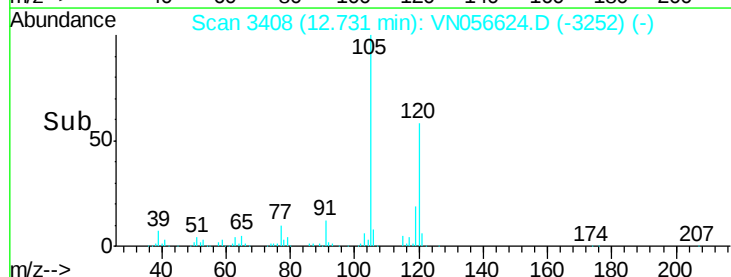
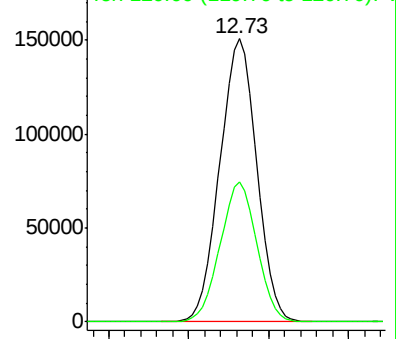
Ion Ratio Lower Upper

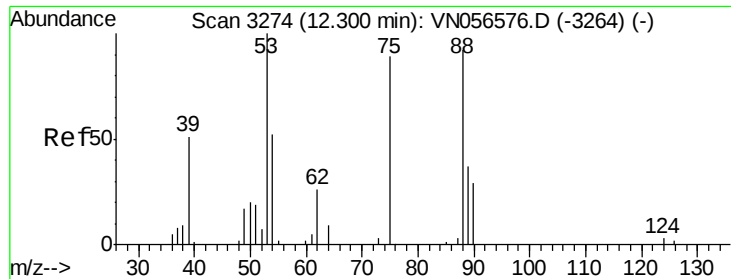
105 100

120 49.1 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056624.D (-3252) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.851 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

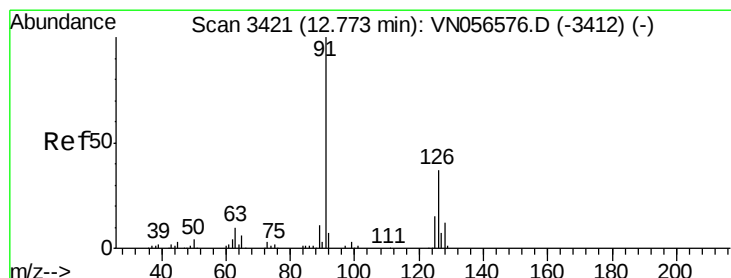
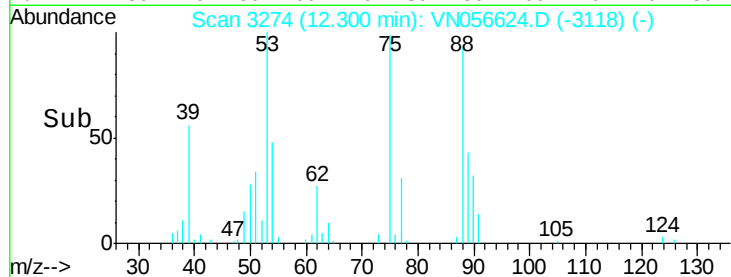
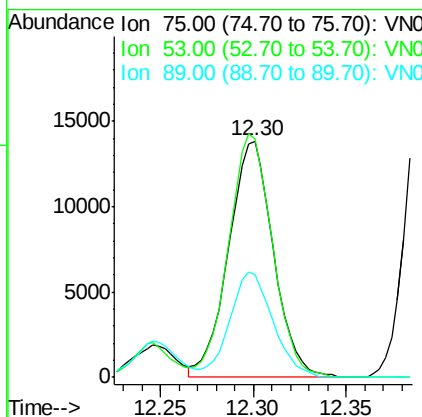
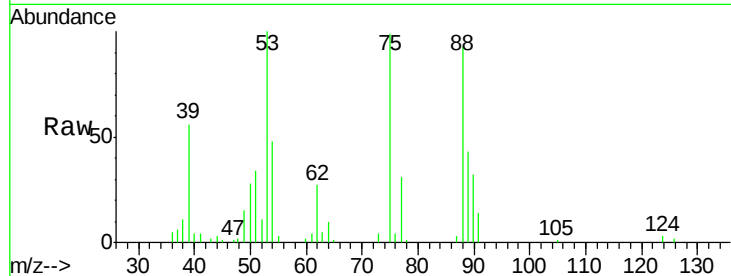
ClientSampleId :

VN0709WBS01

Tot Ion:	75	Resp:	23223
Ion	Ratio	Lower	Upper
75	100		
53	101.0	48.0	144.0
89	43.3	22.5	67.5

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7/10/2019 9:18:05 AM



#78

4-Chlorotoluene

Concen: 18.851 ug/l

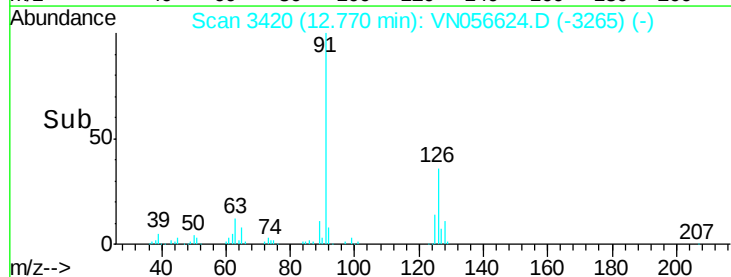
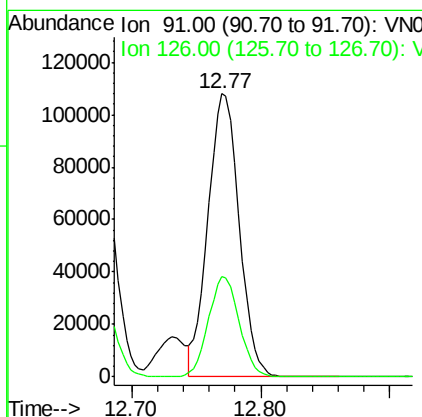
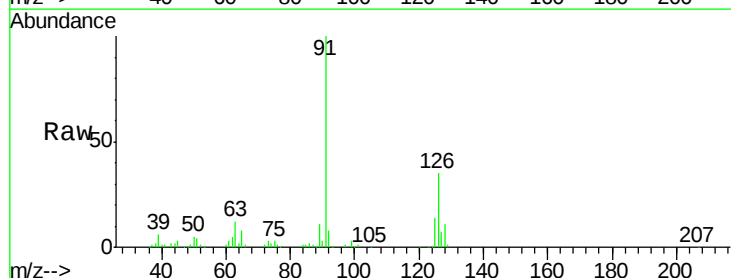
RT: 12.77 min Scan# 3420

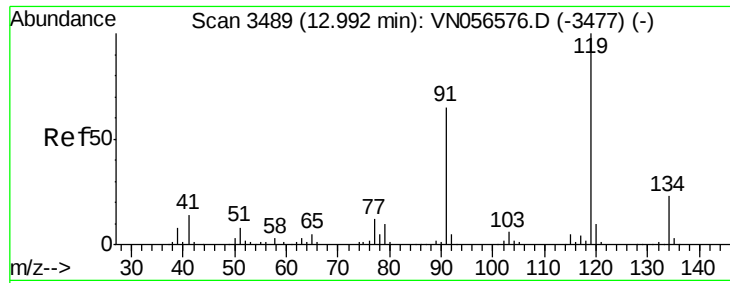
Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	91	Resp:	181700
Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	71.8





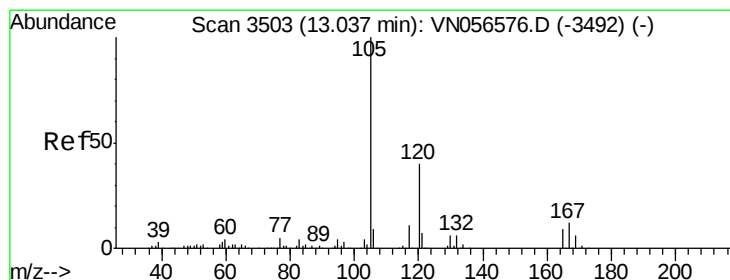
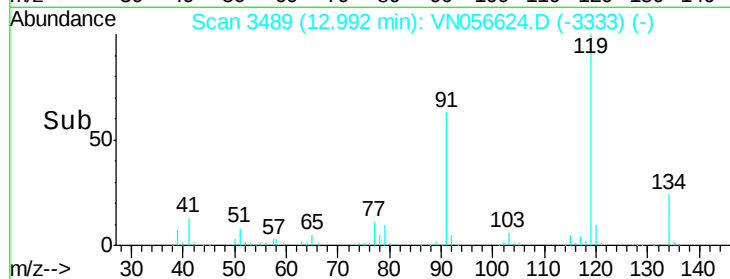
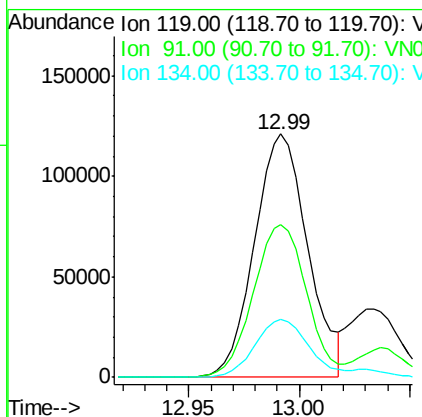
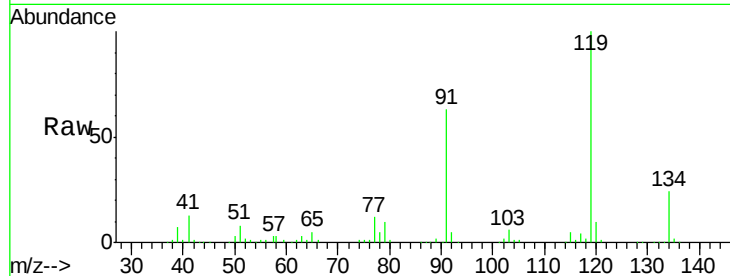
#79
tert-butylbenzene
Concen: 19.157 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202478		
91	63.0	0.0	122.8	
134	24.2	0.0	50.2	

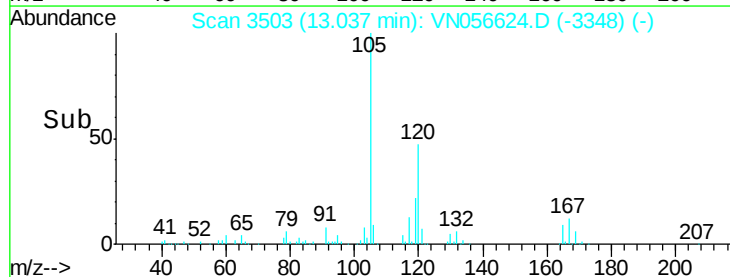
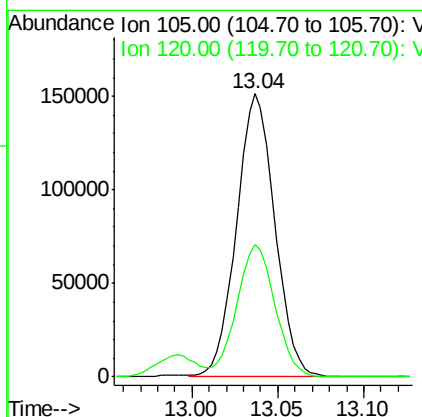
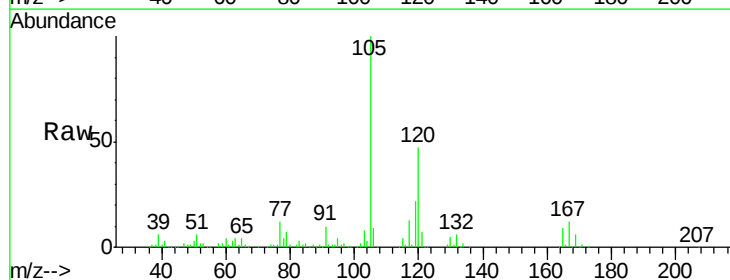
Manual Integrations
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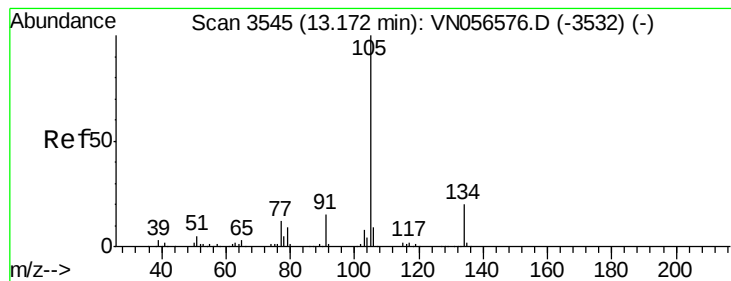
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.035 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232565		
120	47.0	0.0	93.4	





#81

sec-Butylbenzene

Concen: 18.861 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

Tot Ion:105 Resp: 264354

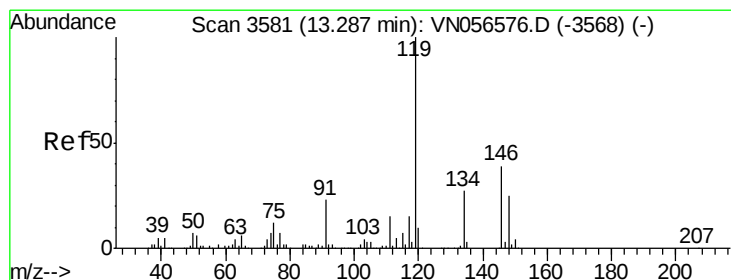
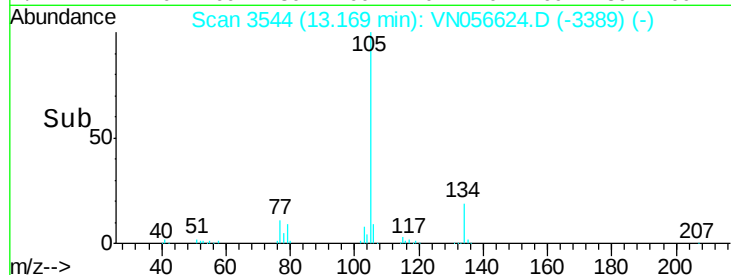
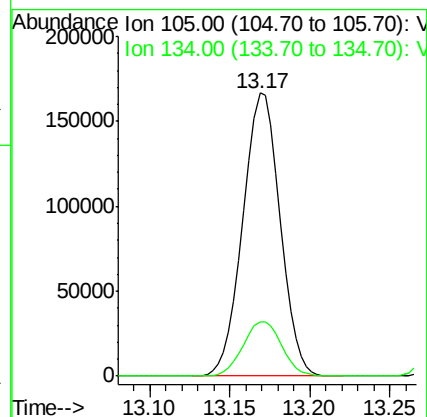
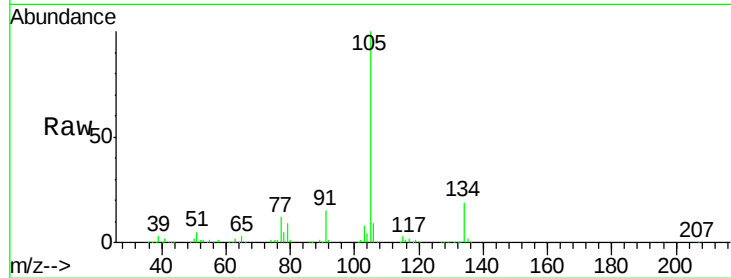
Ion Ratio Lower Upper

105 100

134 20.1 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 18.691 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

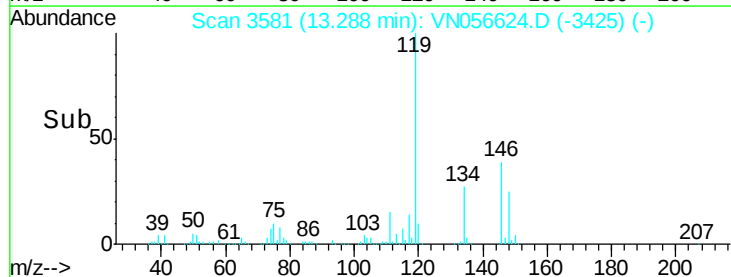
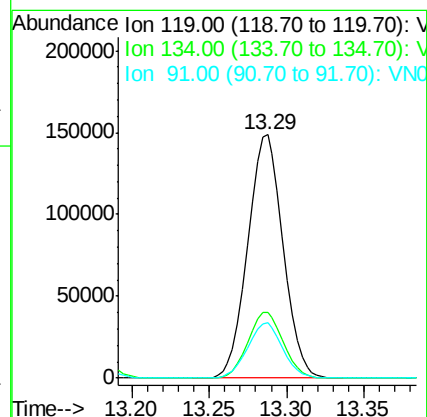
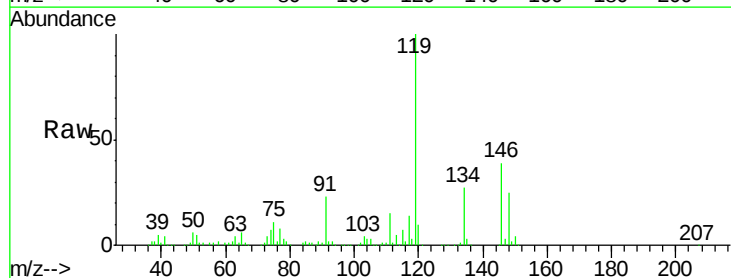
Tgt Ion:119 Resp: 235538

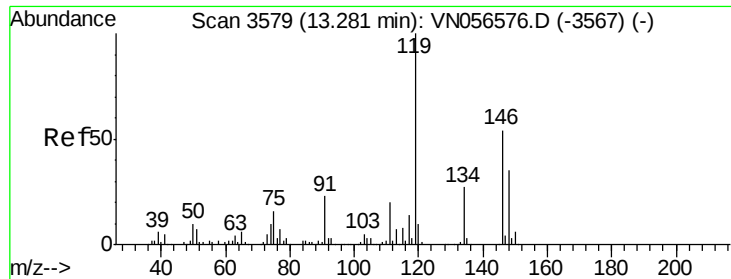
Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.4

91 22.5 0.0 43.0





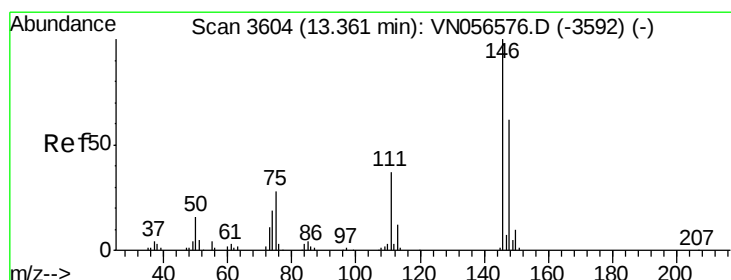
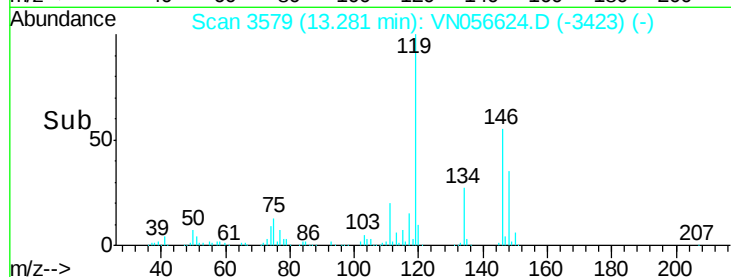
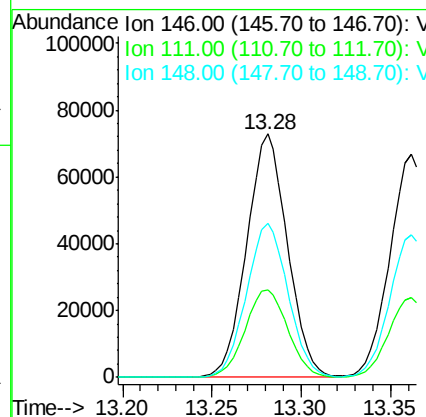
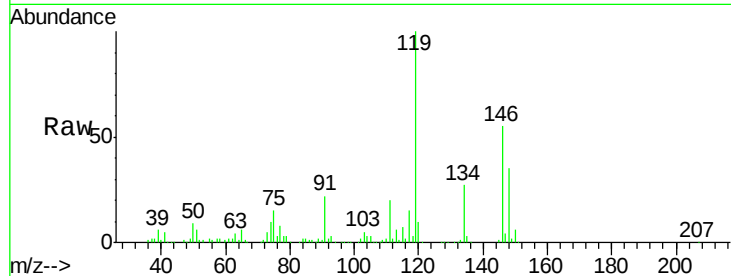
#83
 1,3-Dichlorobenzene
 Concen: 18.674 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	116842		
111	37.5	18.2	54.6	
148	64.3	31.9	95.9	

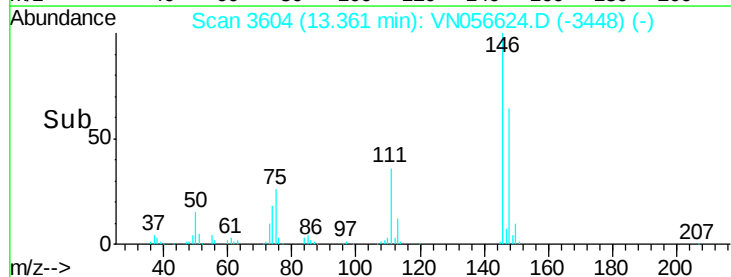
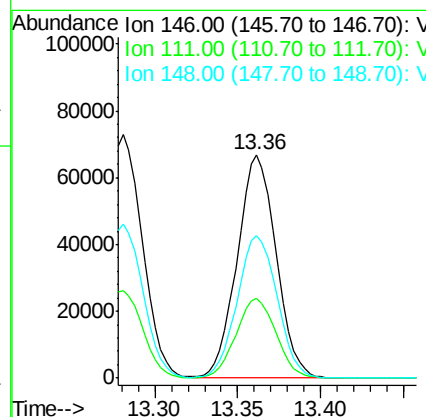
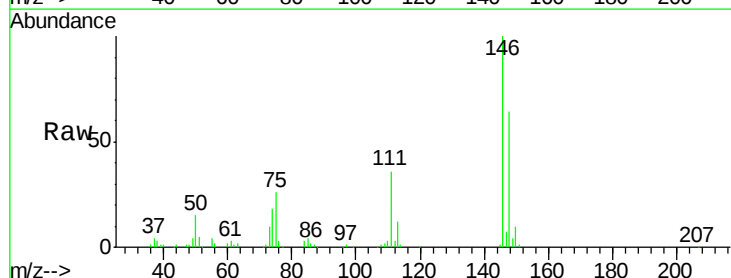
Manual Integrations
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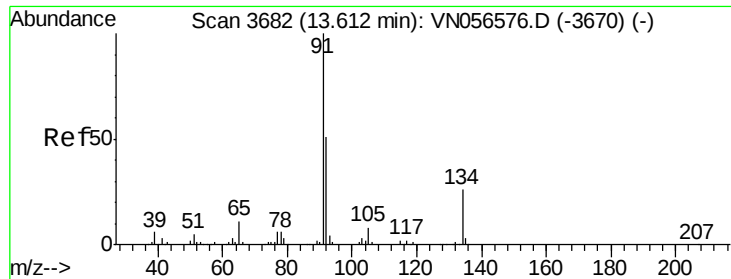
MMDadoda
 7/10/2019 9:18:05 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.137 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109468		
111	36.7	17.6	52.9	
148	65.4	32.1	96.3	





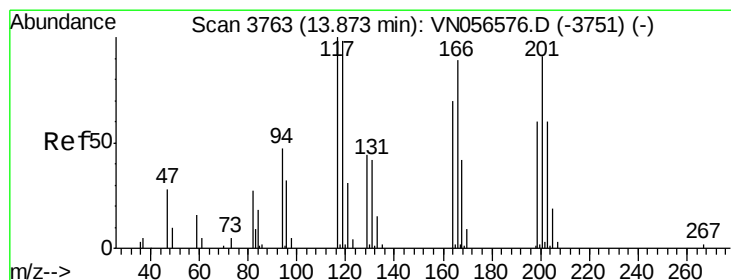
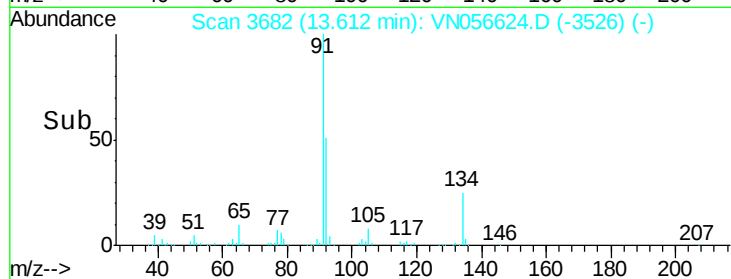
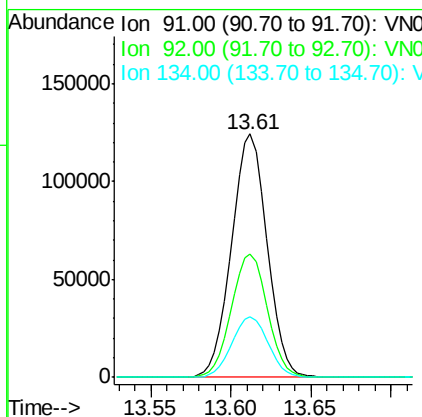
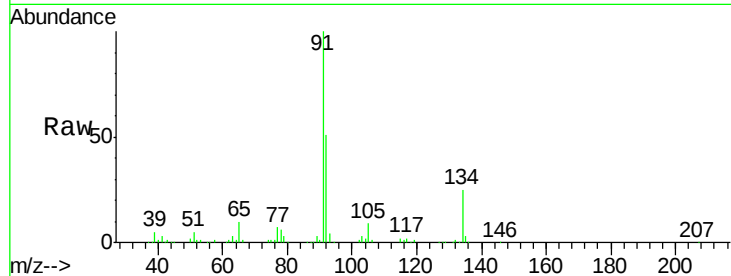
#85
n-Butylbenzene
Concen: 17.748 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	0.0	107.2
134	25.4	0.0	55.8

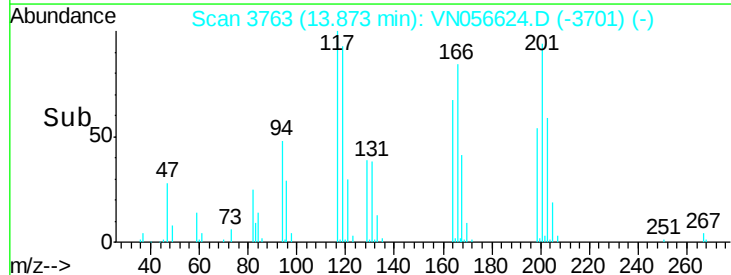
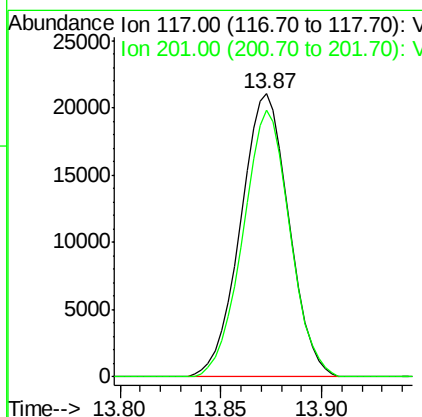
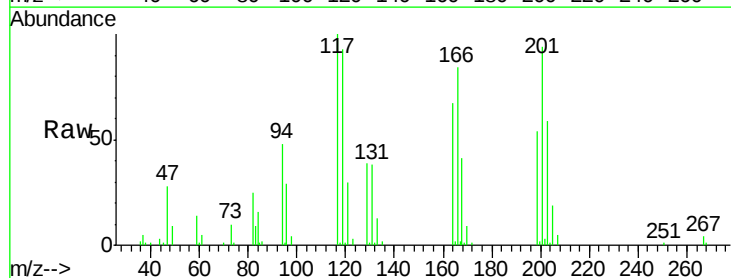
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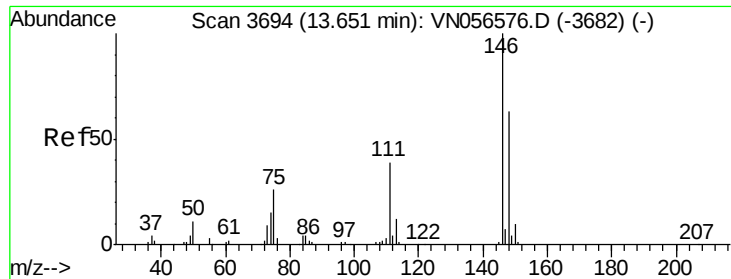
MMDadoda
7/10/2019 9:18:05 AM



#86
Hexachloroethane
Concen: 18.623 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056624.D
Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 19.078 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

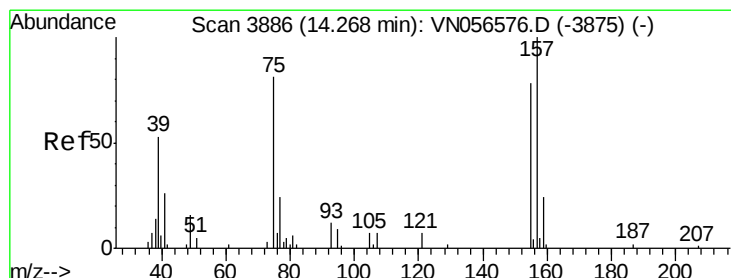
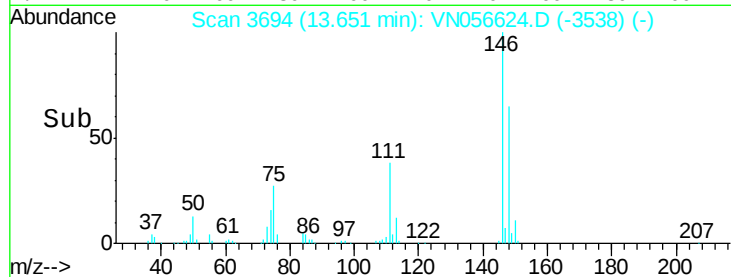
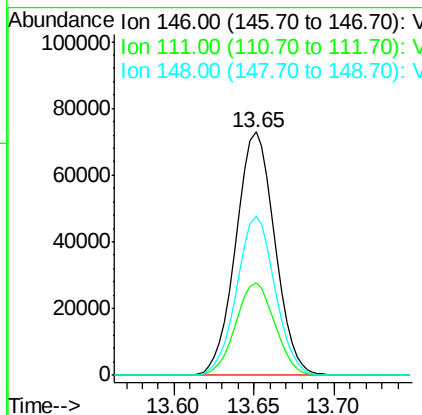
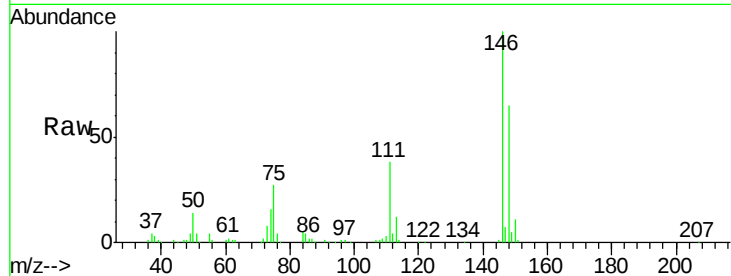
ClientSampled :

VN0709WBS01

Tot Ion:	146	Resp:	121220
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.3	57.9
148	64.0	32.6	97.8

Manual Integrations
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MMDadoda
7/10/2019 9:18:05 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.786 ug/l

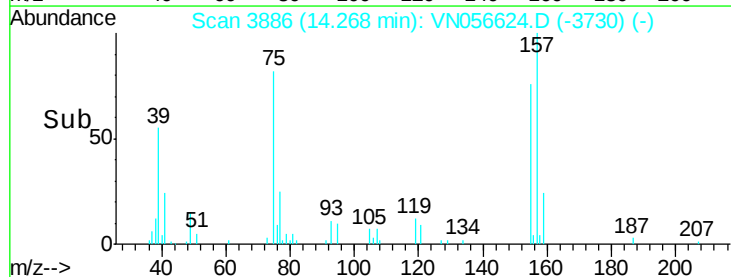
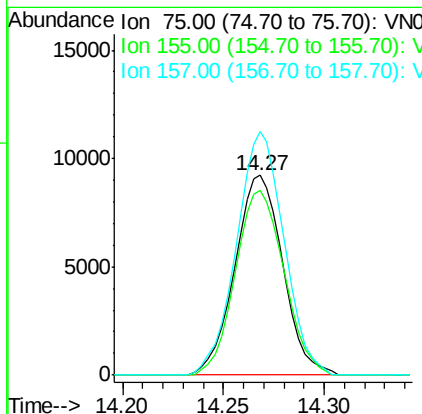
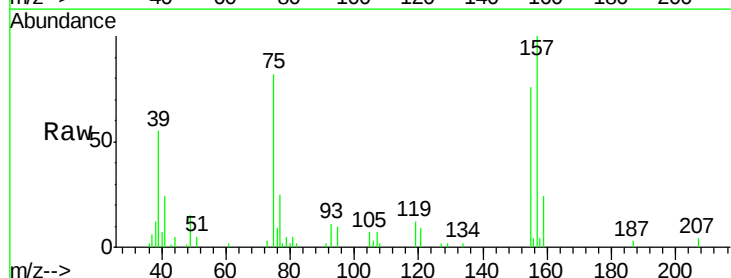
RT: 14.27 min Scan# 3886

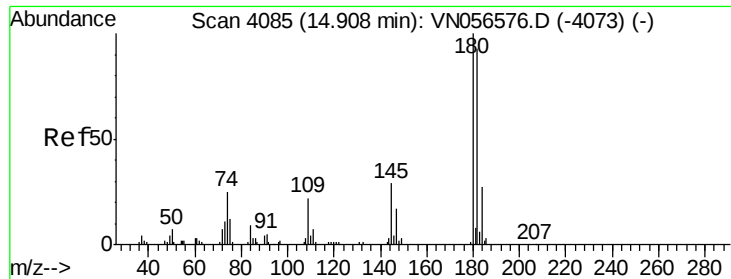
Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	75	Resp:	15393
Ion Ratio	Lower	Upper	
75	100		
155	93.5	82.5	123.7
157	120.4	105.1	157.7





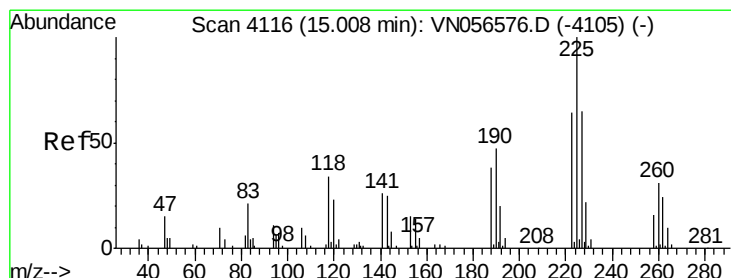
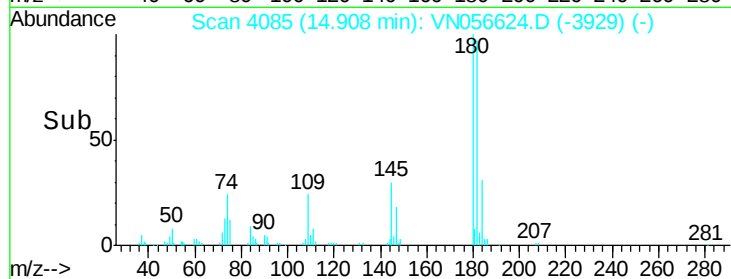
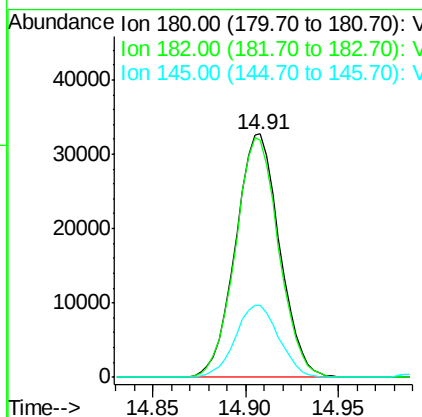
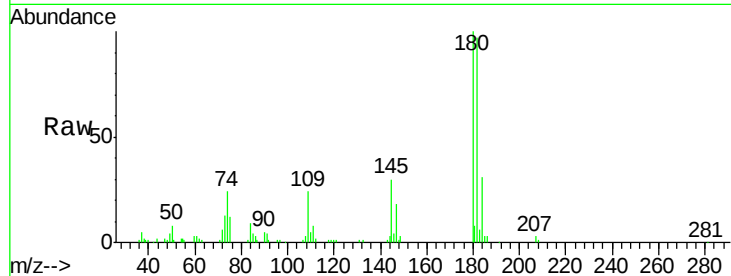
#89
 1,2,4-Trichlorobenzene
 Concen: 15.358 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.0	112.6
145	29.4	22.1	33.1

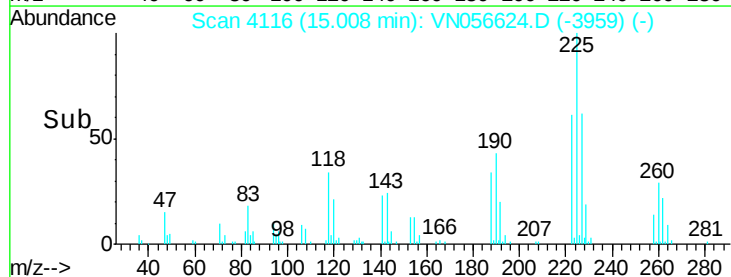
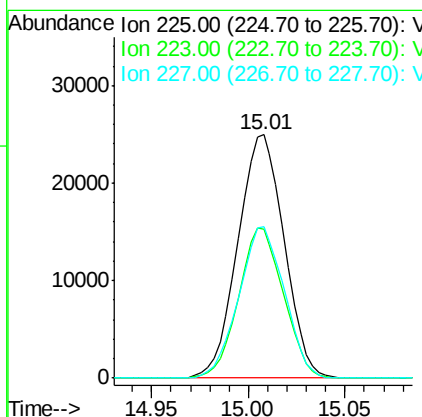
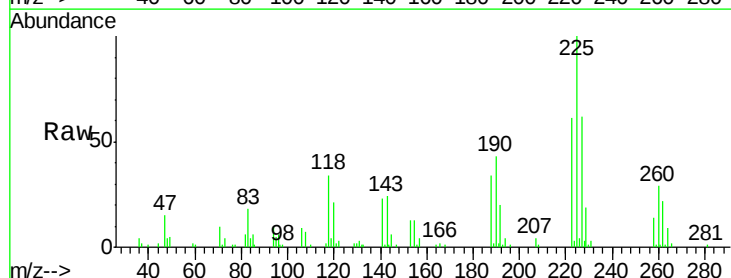
Manual Integrations
 APPROVED

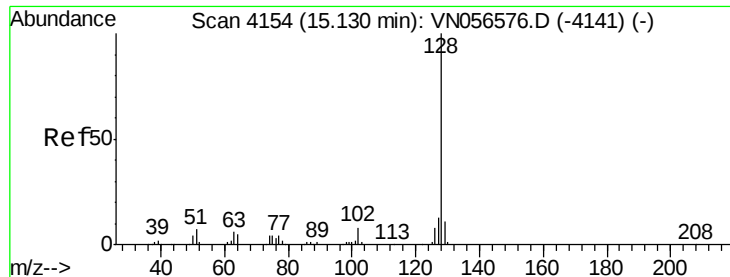
MMDadoda
 7/10/2019 9:18:05 AM



#90
 Hexachlorobutadiene
 Concen: 19.066 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056624.D
 Acq: 9 Jul 2019 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	0.0	125.6
227	61.2	0.0	128.6





#91

Naphthalene

Concen: 14.835 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Instrument :

MSVOA_N

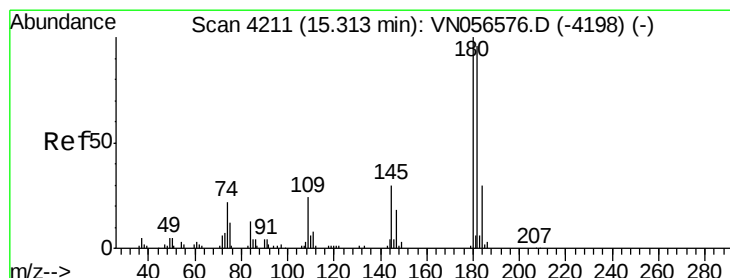
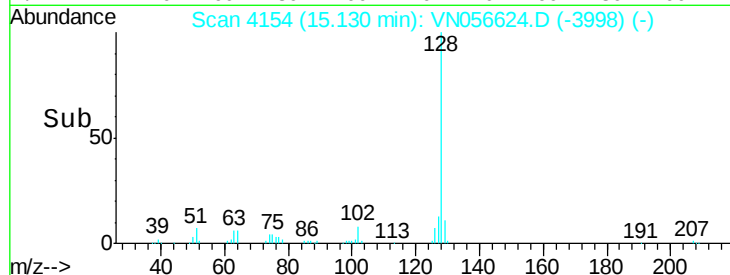
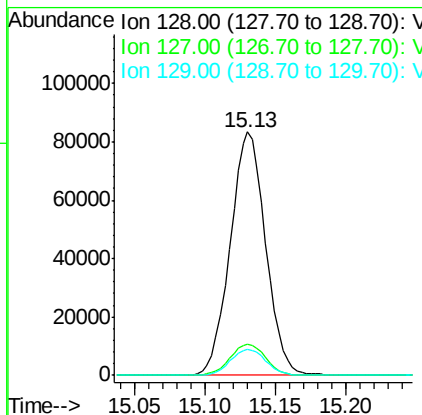
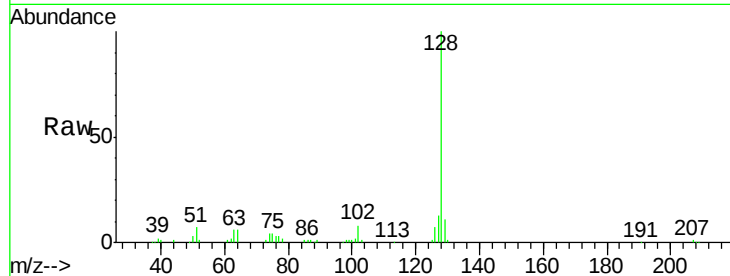
ClientSampleId :

VN0709WBS01

Tot Ion:	128	Resp:	146211
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 9:18:05 AM



#92

1,2,3-Trichlorobenzene

Concen: 16.041 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056624.D

Acq: 9 Jul 2019 12:57

Tgt Ion:	180	Resp:	59139
Ion Ratio	Lower	Upper	
180	100		
182	94.3	0.0	193.4
145	29.4	0.0	59.8

