

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055261.D
 Acq On : 25 Apr 2019 23:29
 Operator : JC/SP
 Sample : VN0426WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0426WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 10:58:20 AM

Quant Time: Apr 26 05:46:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69933	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	378412	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319342	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165218	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	145174	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.09	98	470426	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72257	18.945	ug/l 99
3) Chloromethane	2.06	50	108087	20.264	ug/l 95
4) Vinyl Chloride	2.19	62	88993	20.472	ug/l 98
5) Bromomethane	2.56	94	50074	20.676	ug/l 99
6) Chloroethane	2.70	64	48809	20.155	ug/l 97
7) Trichlorofluoromethane	3.02	101	128404	20.092	ug/l 93
8) Diethyl Ether	3.41	74	50791	19.578	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78178	19.220	ug/l 98
10) 1,1-Dichloroethene	3.74	96	75437	19.920	ug/l 96
11) Methyl Iodide	3.96	142	113734	19.098	ug/l 99
12) Methyl Acetate	4.33	43	106519	19.380	ug/l 94
13) Acrolein	3.61	56	22546	92.211	ug/l 96
14) Acrylonitrile	4.99	53	185651	95.095	ug/l 99
15) Acetone	3.82	58	43384	92.243	ug/l 80
16) Carbon Disulfide	4.06	76	199266	19.360	ug/l 99
17) Allyl chloride	4.33	41	160669	19.702	ug/l 99
18) Methylene Chloride	4.55	84	93075	19.798	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	83499	20.238	ug/l 97
20) Diisopropyl ether	5.96	45	333861	20.081	ug/l 98
21) 1,1-Dichloroethane	5.85	63	173930	20.131	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	96009	20.087	ug/l 96
23) tert-Butyl Alcohol	4.79	59	37822m	94.892	ug/l
24) Methyl tert-Butyl Ether	5.05	73	241308	19.555	ug/l 99
25) Chloroform	7.37	83	163614	20.153	ug/l 96
26) Cyclohexane	7.65	56	145189	19.349	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	117371	19.571	ug/l 99
30) 2-Butanone	6.84	43	221029	90.943	ug/l 99
31) 2,2-Dichloropropane	6.83	77	96828	17.047	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	133966	20.095	ug/l 99
33) Carbon Tetrachloride	7.78	117	111505	20.059	ug/l 97
34) Benzene	8.04	78	364064	20.277	ug/l 98
35) Methacrylonitrile	7.19	41	63168m	22.536	ug/l
36) 1,2-Dichloroethane	8.13	62	127611	19.924	ug/l 100
37) Trichloroethene	8.83	130	87638	19.340	ug/l 98
38) Methylcyclohexane	9.08	83	118368	18.448	ug/l 99
39) 1,2-Dichloropropane	9.12	63	103366	20.112	ug/l 100
40) Dibromomethane	9.21	93	59284	19.907	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120620	19.916	ug/l	92
42) Vinyl Acetate	5.90	43	1112937	95.624	ug/l	100
43) Ethyl Acetate	6.93	43	97259	19.310	ug/l	99
44) Isopropyl Acetate	8.17	43	173228	18.690	ug/l	98
45) 1,4-Dioxane	9.20	88	18494	385.010	ug/l	97
46) Methyl methacrylate	9.20	41	80086	18.351	ug/l	99
47) n-amyl Acetate	12.07	43	110506	16.760	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	106740	17.911	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	130576	18.886	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	80788	19.902	ug/l	97
51) Ethyl methacrylate	10.43	69	99678	18.062	ug/l	100
52) 1,3-Dichloropropane	10.71	76	141724	19.718	ug/l	100
53) Dibromochloromethane	10.90	129	80123	19.086	ug/l	99
54) 1,2-Dibromoethane	11.00	107	76913	19.529	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	138934	83.525	ug/l	99
56) Bromoform	12.13	173	51318	18.652	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	481508	96.582	ug/l	99
59) 2-Hexanone	10.75	43	301422	94.444	ug/l	99
61) Tetrachloroethene	10.63	164	87246	21.054	ug/l	94
62) Toluene	10.16	91	372706	20.628	ug/l	100
64) Chlorobenzene	11.43	112	215633	20.145	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	83478	20.907	ug/l	96
66) Ethyl Benzene	11.51	91	386413	20.122	ug/l	99
67) m/p-Xylenes	11.62	106	285625	40.616	ug/l	99
68) o-Xylene	11.95	106	144673	20.613	ug/l	97
69) Styrene	11.96	104	213012	19.591	ug/l	100
70) Isopropylbenzene	12.25	105	382807	20.720	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104231	20.470	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	81673m	18.503	ug/l	
73) Bromobenzene	12.53	156	84891	19.330	ug/l	96
74) n-propylbenzene	12.59	91	407204	19.750	ug/l	99
75) 2-Chlorotoluene	12.67	91	256911	20.314	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	300710	19.834	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20407	17.370	ug/l	97
78) 4-Chlorotoluene	12.77	91	233036	19.383	ug/l	99
79) tert-butylbenzene	12.99	119	261143	19.996	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	279694	19.133	ug/l	97
81) sec-Butylbenzene	13.17	105	338728	19.621	ug/l	99
82) p-Isopropyltoluene	13.29	119	268093	18.721	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	137782	19.341	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	124965	18.585	ug/l	99
85) n-Butylbenzene	13.61	91	179638	16.452	ug/l	98
86) Hexachloroethane	13.87	117	47651	19.506	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	139464	19.564	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12543	16.829	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41126	14.580	ug/l	99
90) Hexachlorobutadiene	15.01	225	43043	18.023	ug/l	98
91) Naphthalene	15.13	128	88249	13.540	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	43960	14.938	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

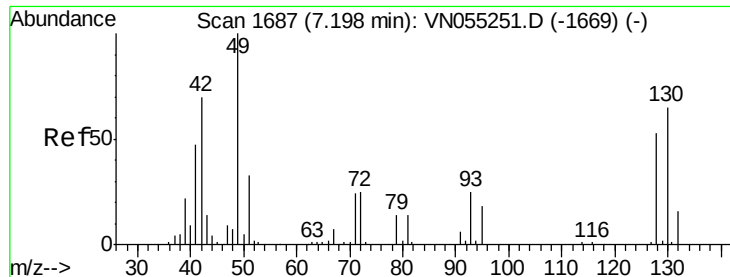
Manual Integrations
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4/26/2019 10:58:20 AM

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QLast Update : Fri Apr 26 05:19:18 2019
Response via : Initial Calibration

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



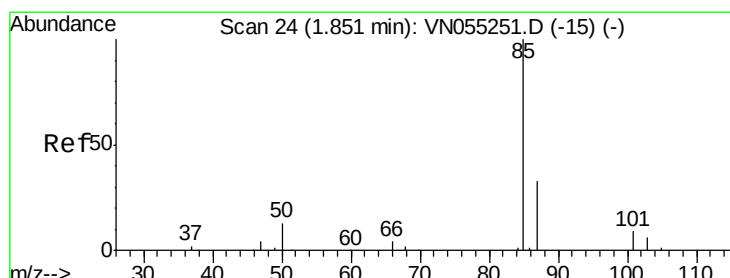
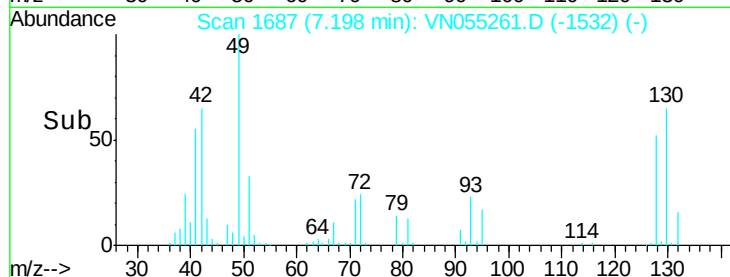
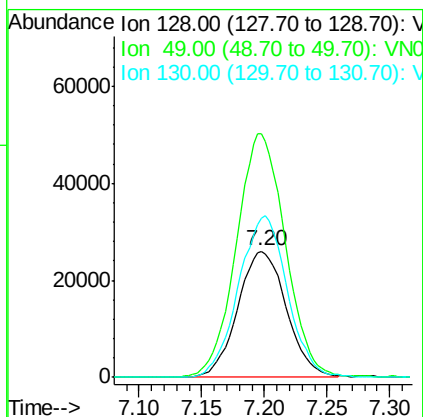
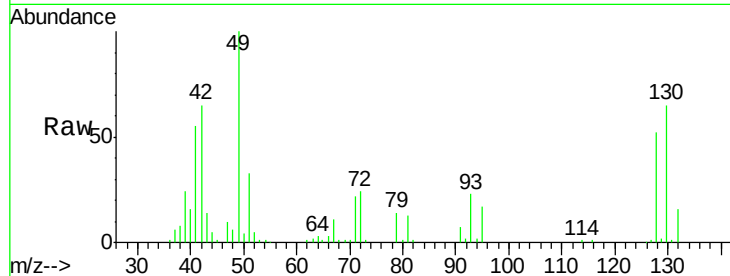
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	195.0	0.0	485.0
130	128.7	0.0	324.7

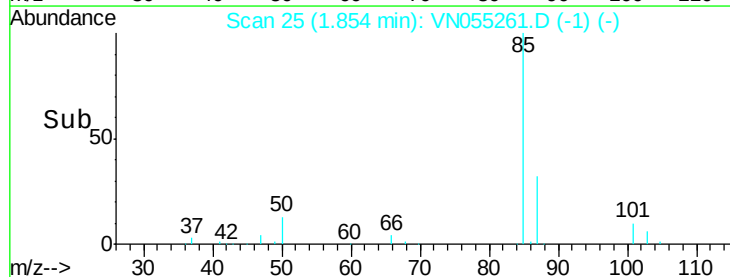
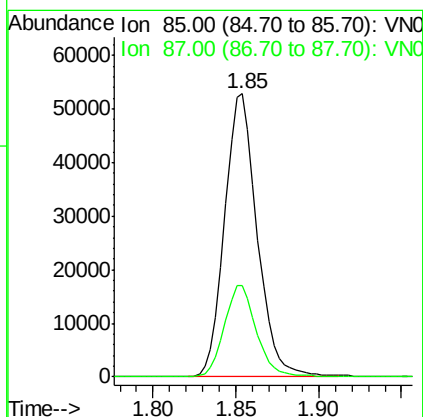
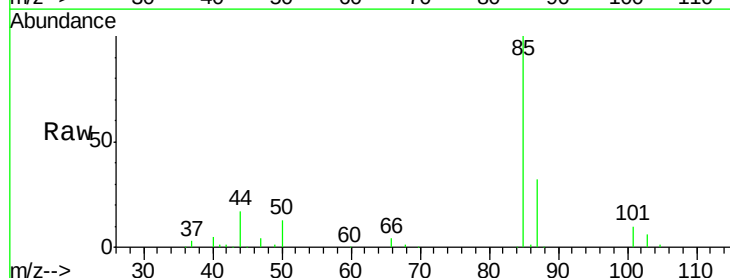
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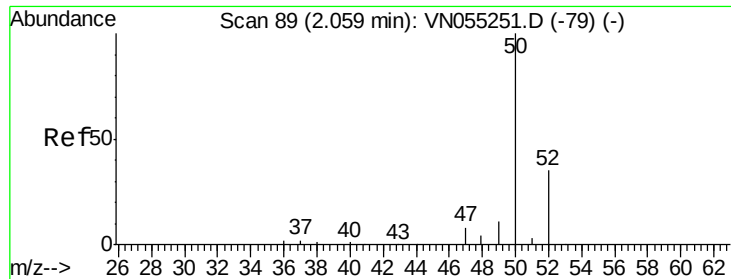
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#2
Dichlorodifluoromethane
Concen: 18.945 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.7





#3

Chloromethane

Concen: 20.264 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 50 Resp: 108087

Ion Ratio Lower Upper

50 100

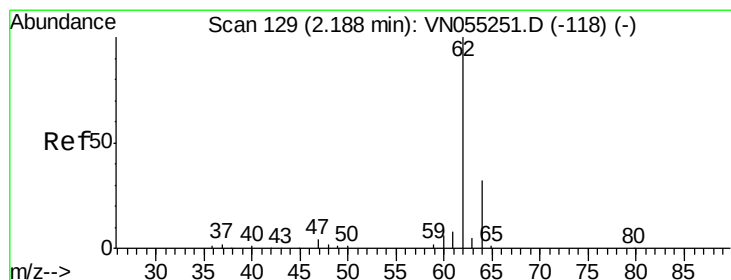
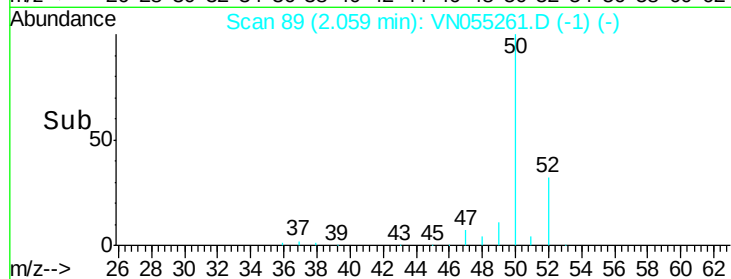
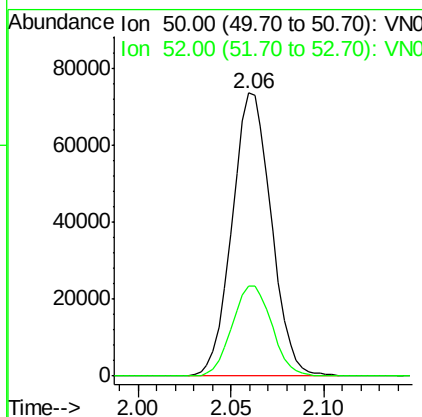
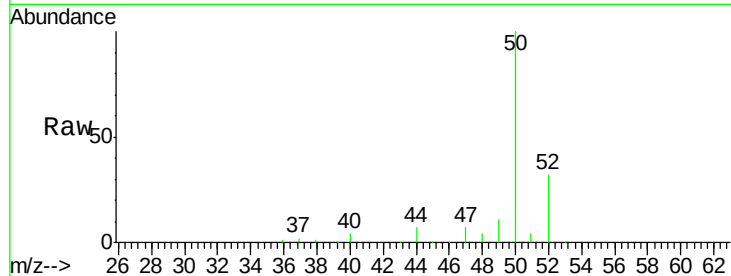
52 31.8 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055261.D

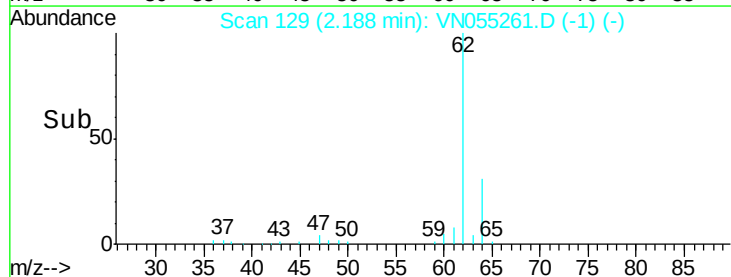
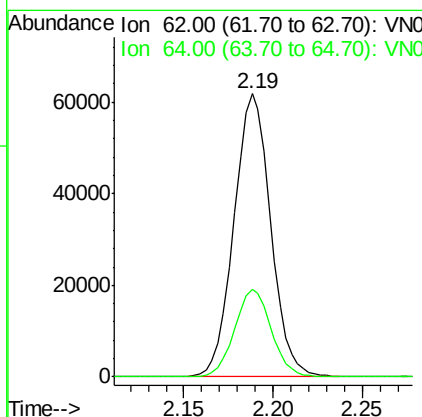
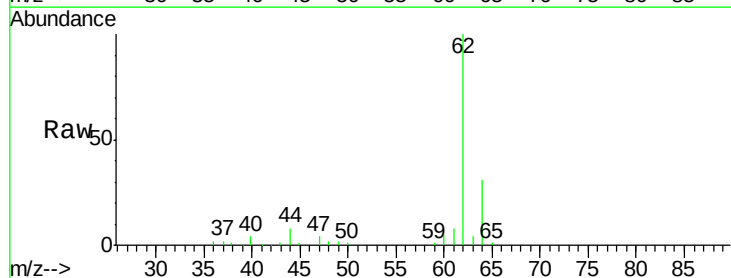
Acq: 25 Apr 2019 23:29

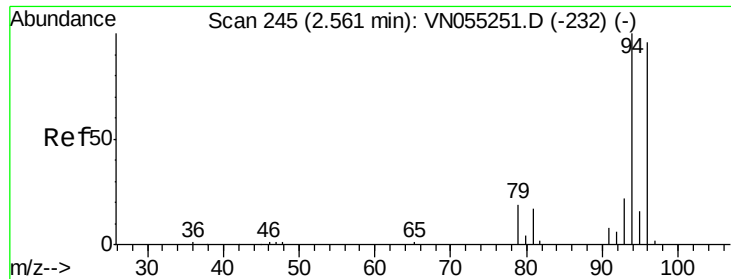
Tgt Ion: 62 Resp: 88993

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 20.676 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 94 Resp: 50074

Ion Ratio Lower Upper

94 100

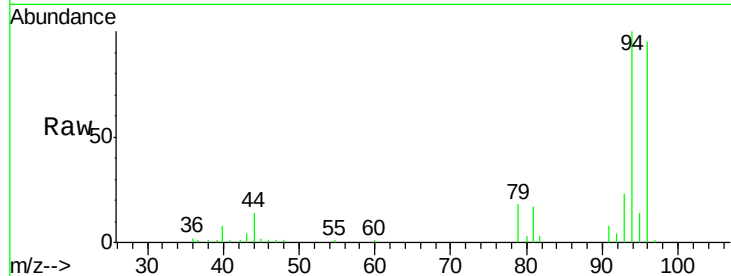
96 94.8 77.0 115.6

Manual Integrations

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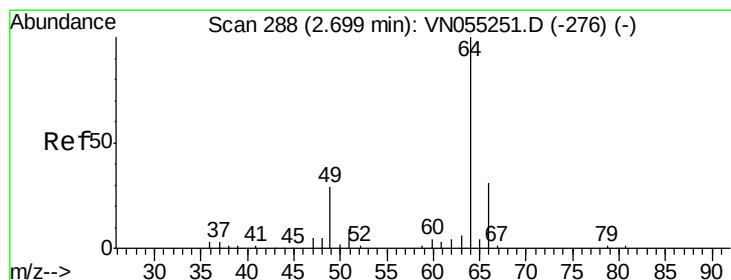
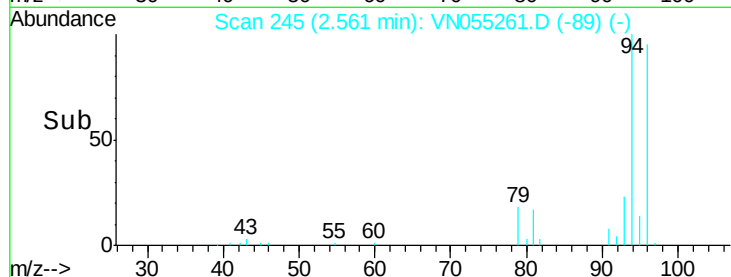
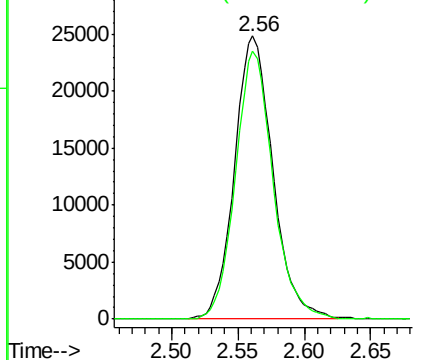
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.155 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055261.D

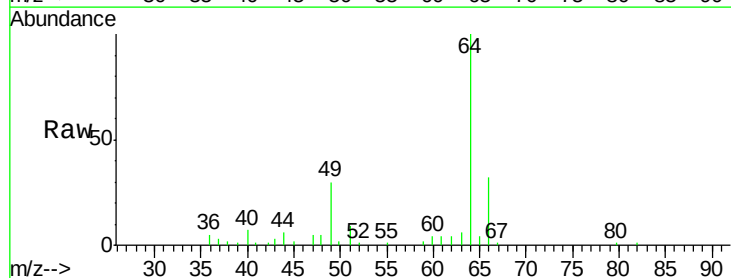
Acq: 25 Apr 2019 23:29

Tgt Ion: 64 Resp: 48809

Ion Ratio Lower Upper

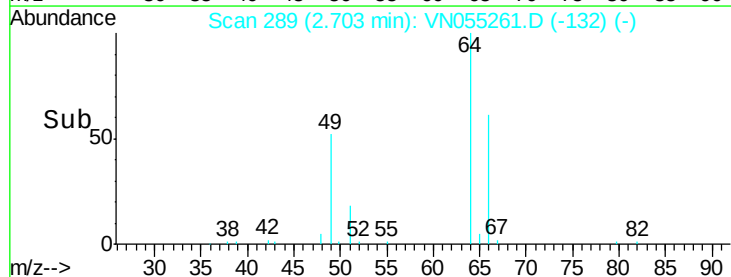
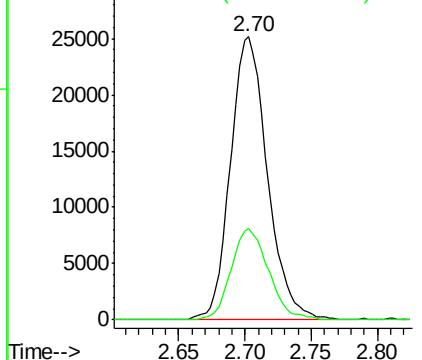
64 100

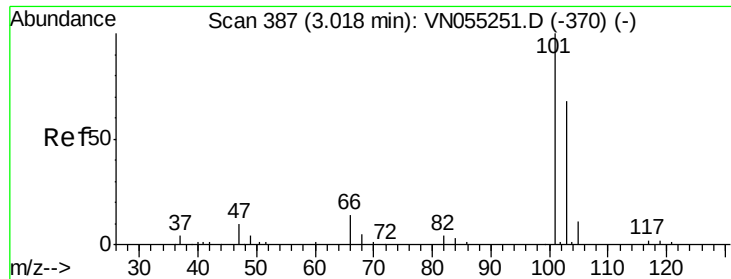
66 32.1 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

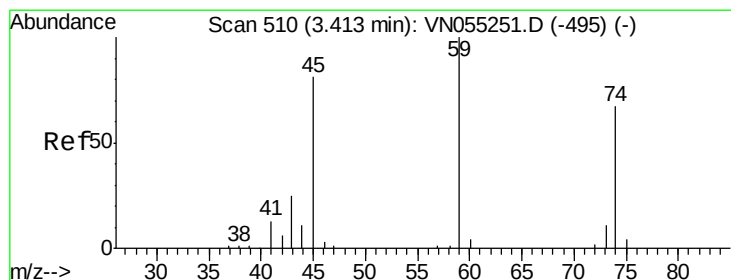
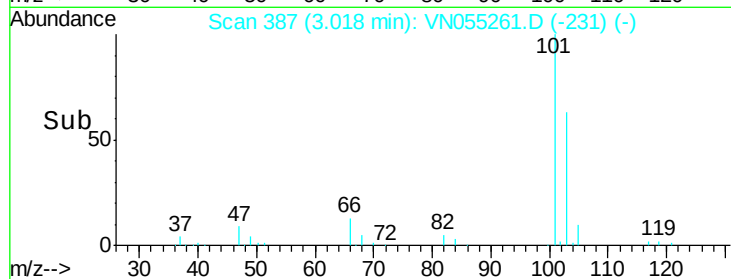
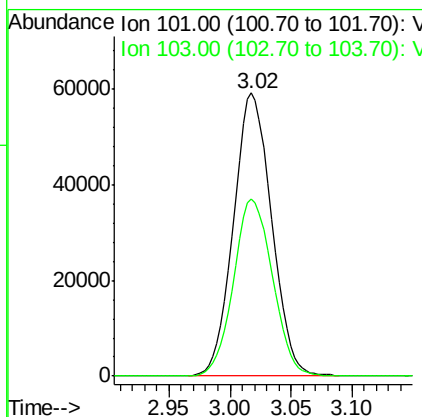
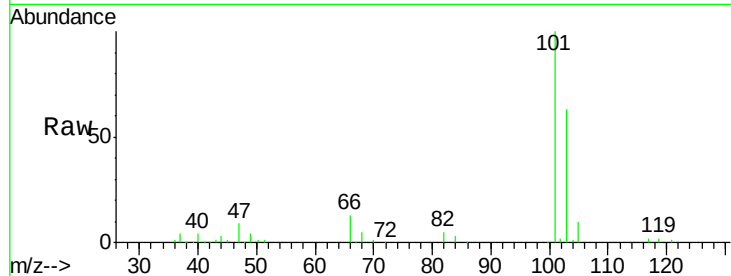
Trichlorofluoromethane
 Concen: 20.092 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
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 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	54.6	81.8

Manual Integrations
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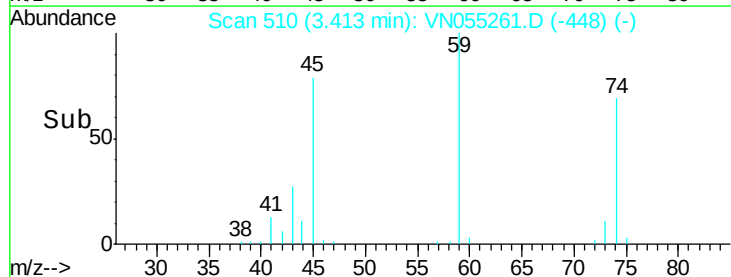
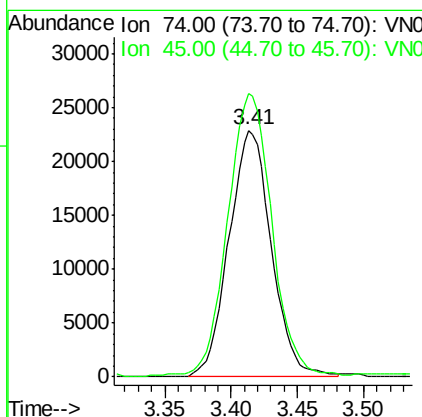
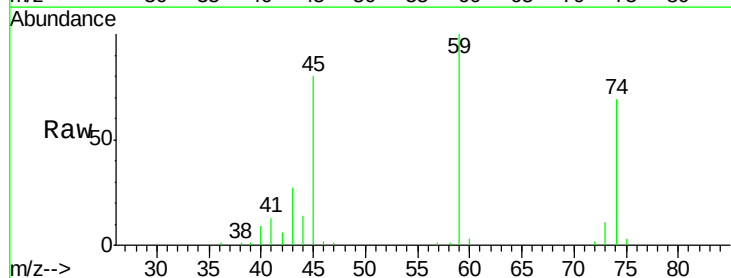
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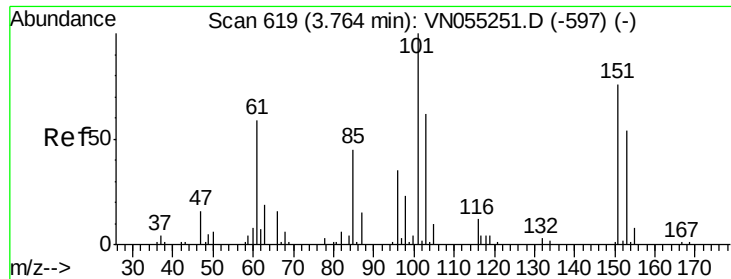


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	25.1	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.220 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

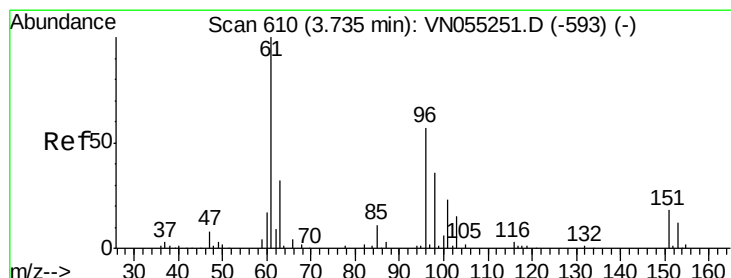
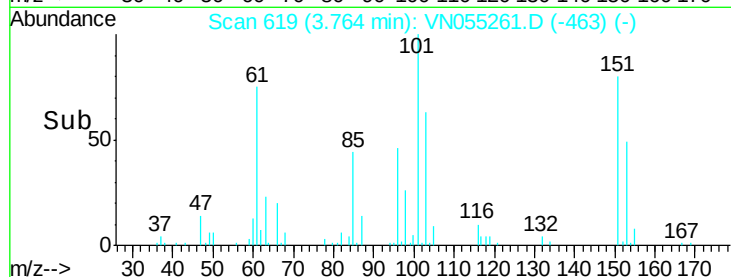
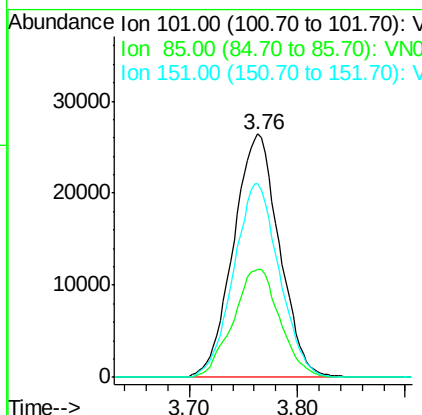
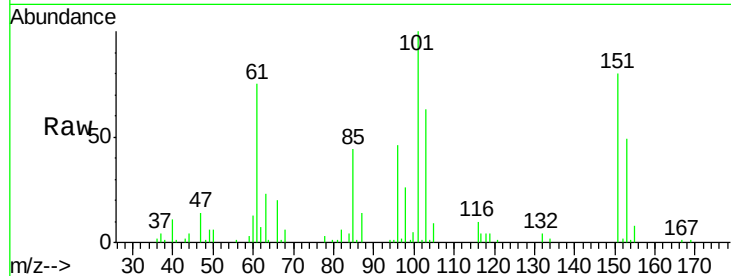
ClientSampled :

VN0426WBSD01

Tot Ion:	101	Resp:	78178
Ion Ratio	Lower	Upper	
101	100		
85	45.2	0.0	89.0
151	79.1	0.0	154.4

Manual Integrations
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4/26/2019 10:58:20 AM



#10

1,1-Dichloroethene

Concen: 19.920 ug/l

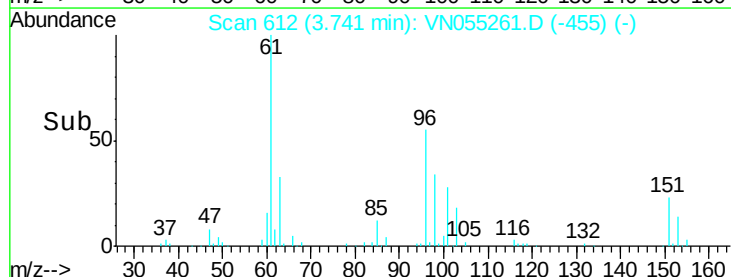
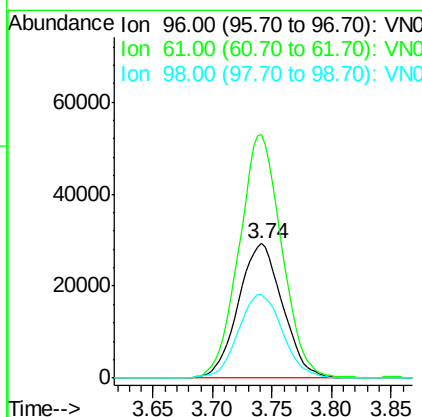
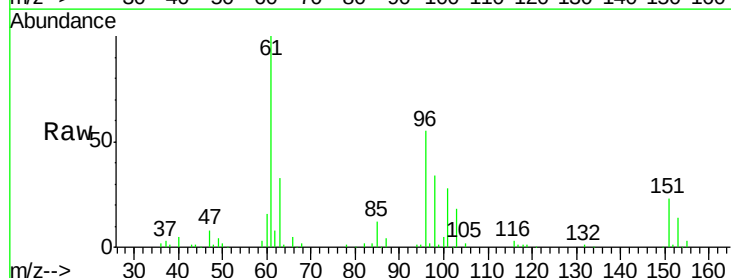
RT: 3.74 min Scan# 612

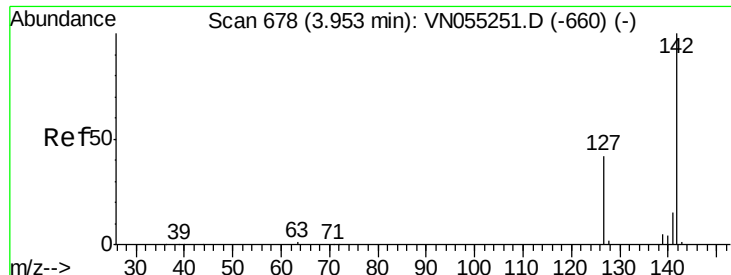
Delta R.T. 0.01 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	96	Resp:	75437
Ion Ratio	Lower	Upper	
96	100		
61	180.8	139.9	209.9
98	61.8	50.8	76.2





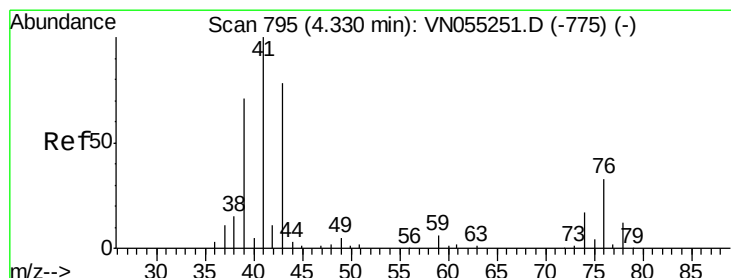
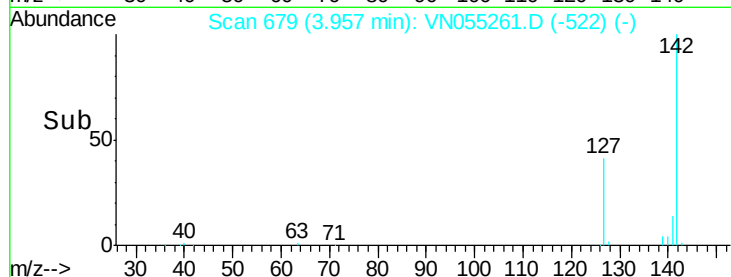
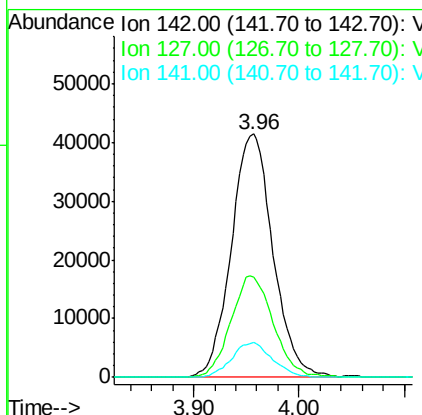
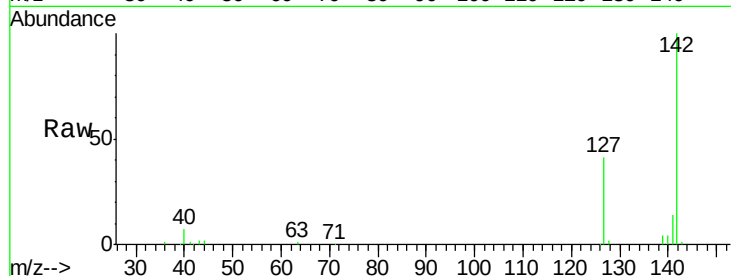
#11
Methyl Iodide
Concen: 19.098 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	20.9	62.7
141	14.3	7.6	22.8

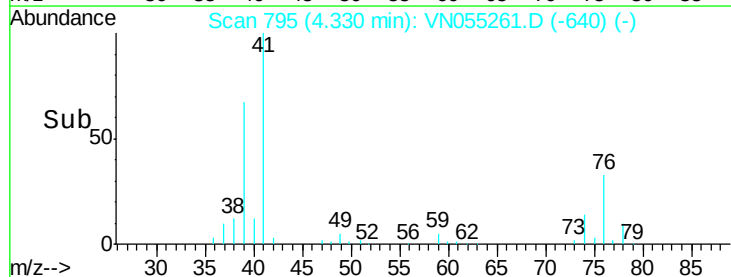
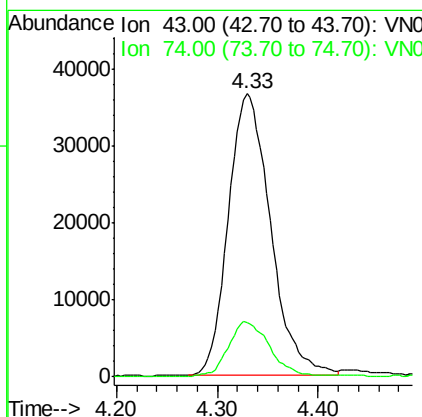
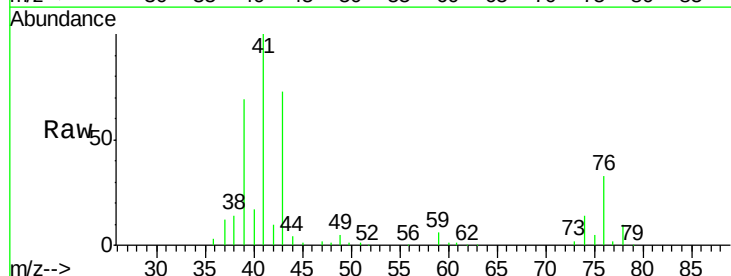
Manual Integrations
APPROVED

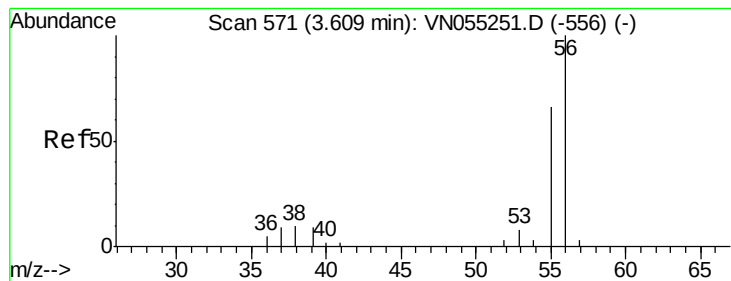
MMDadoda
4/26/2019 10:58:20 AM



#12
Methyl Acetate
Concen: 19.380 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	17.7	26.5





#13

Acrolein

Concen: 92.211 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampled :

VN0426WBSD01

Tot Ion: 56 Resp: 22546

Ion Ratio Lower Upper

56 100

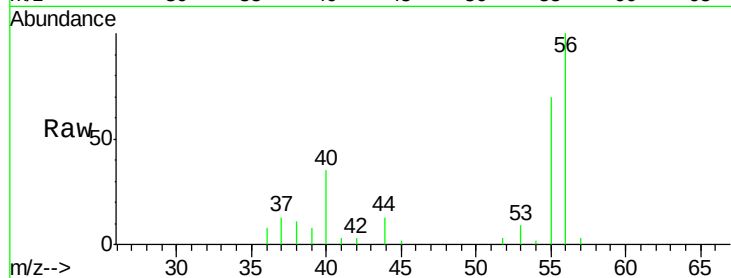
55 71.6 54.9 82.3

Manual Integrations

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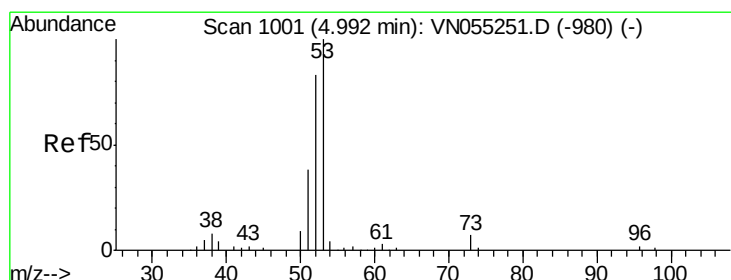
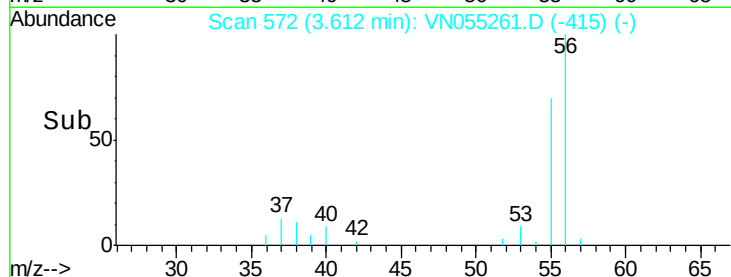
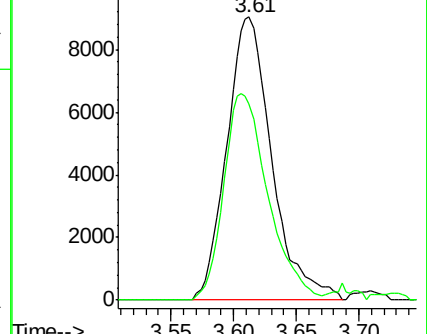
MMdadoda

4/26/2019 10:58:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 95.095 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

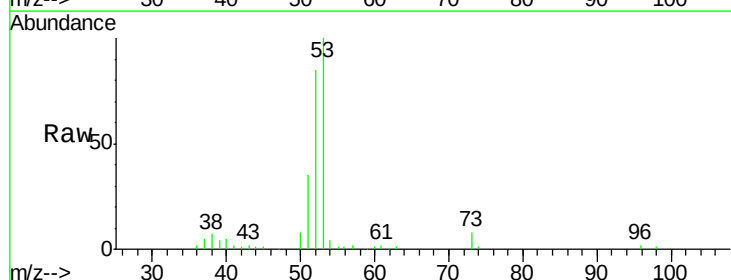
Tgt Ion: 53 Resp: 185651

Ion Ratio Lower Upper

53 100

52 82.5 41.0 123.2

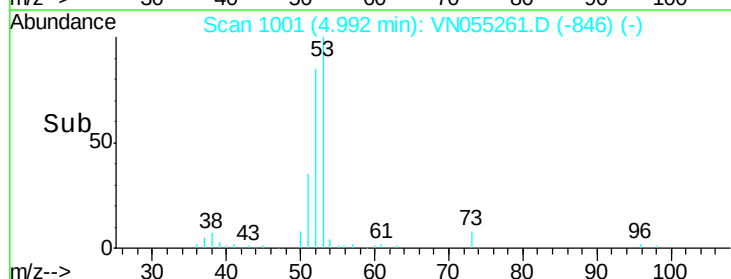
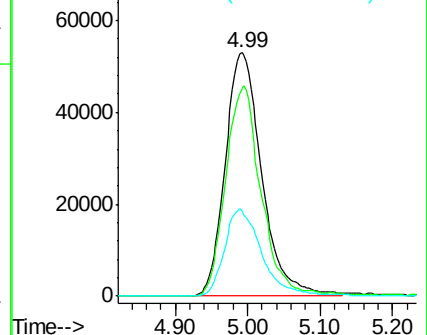
51 35.5 18.1 54.4

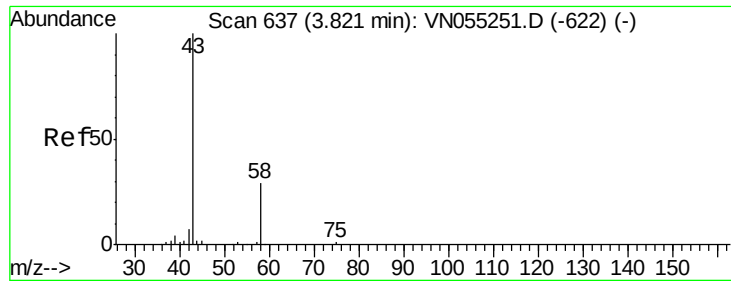


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.243 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 58 Resp: 43384

Ion Ratio Lower Upper

58 100

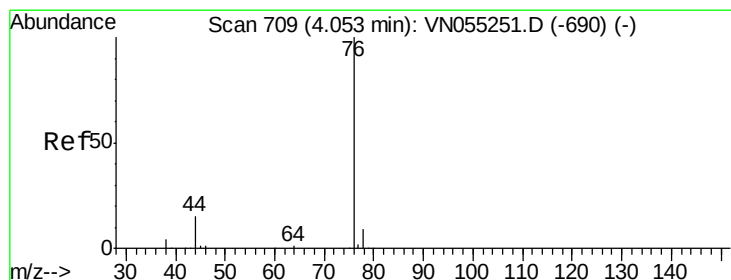
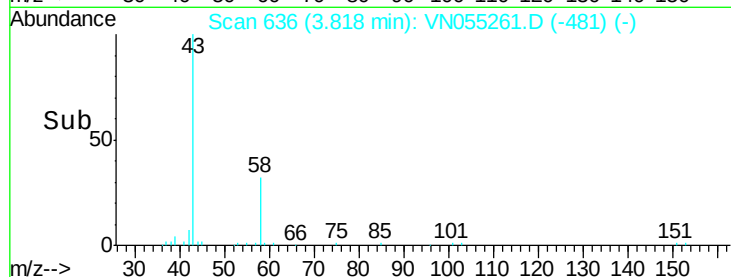
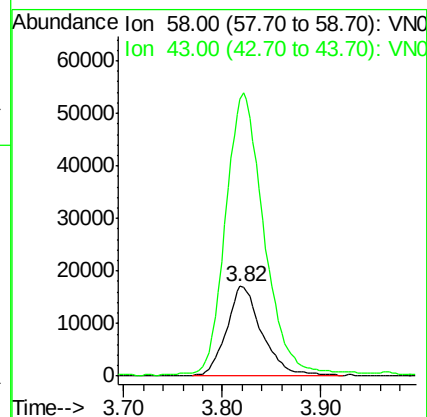
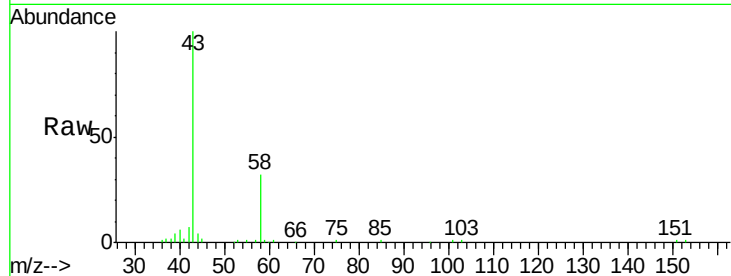
43 305.2 278.2 417.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.360 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055261.D

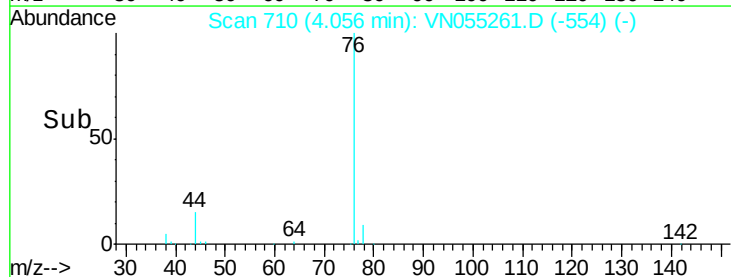
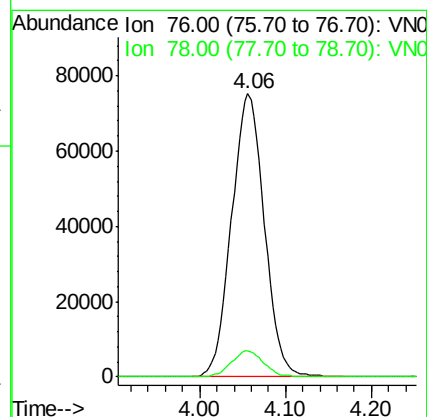
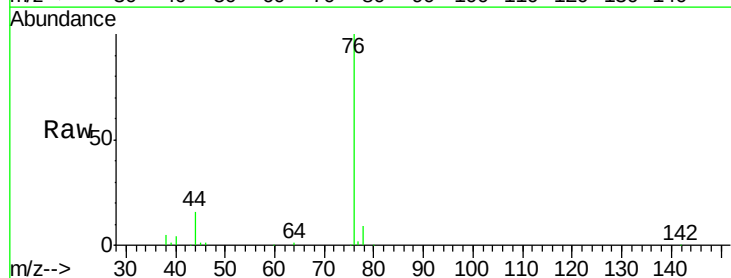
Acq: 25 Apr 2019 23:29

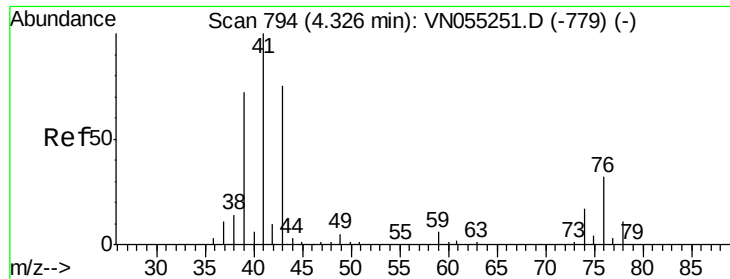
Tgt Ion: 76 Resp: 199266

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2





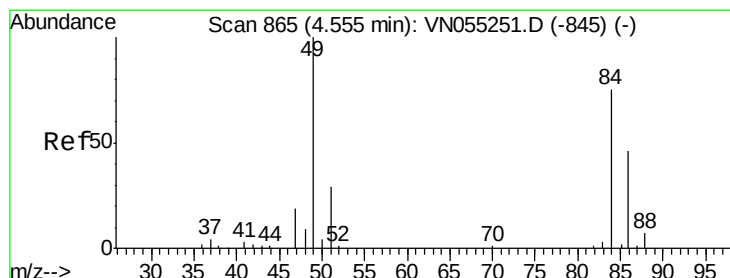
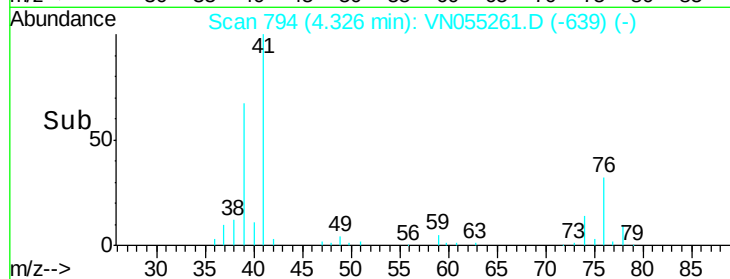
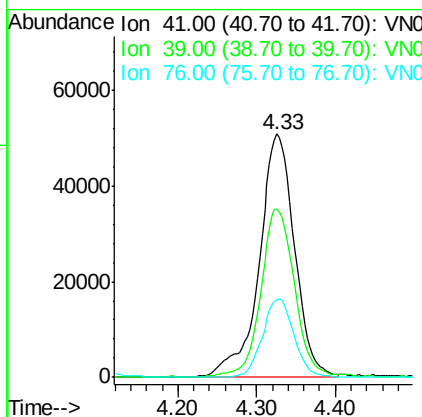
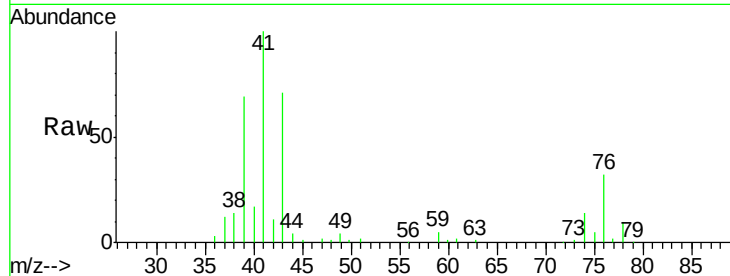
#17
Allvl chloride
Concen: 19.702 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion:	41	Resp:	160669
Ion	Ratio	Lower	Upper
41	100		
39	69.1	34.4	103.2
76	31.8	15.3	45.9

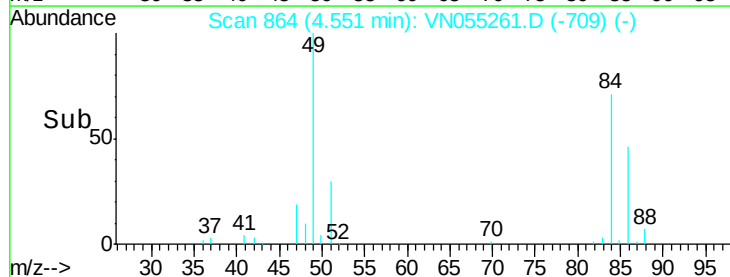
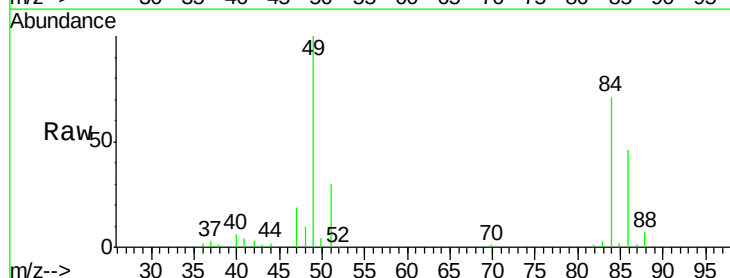
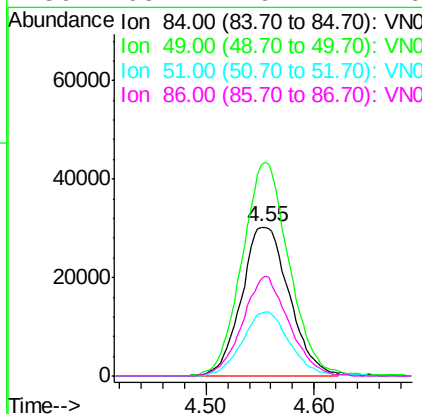
Manual Integrations
APPROVED

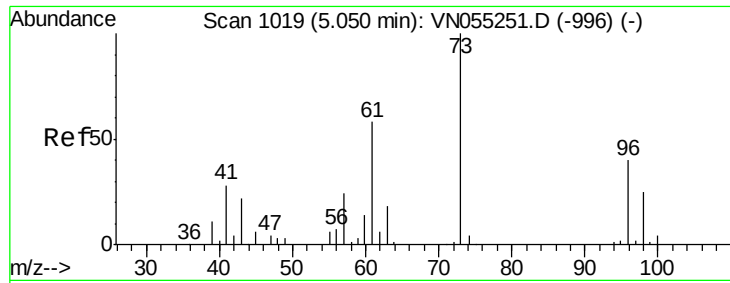
MMdadoda
4/26/2019 10:58:20 AM



#18
Methylene Chloride
Concen: 19.798 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion:	84	Resp:	93075
Ion	Ratio	Lower	Upper
84	100		
49	141.8	107.2	160.8
51	42.6	31.4	47.2
86	65.2	49.4	74.0





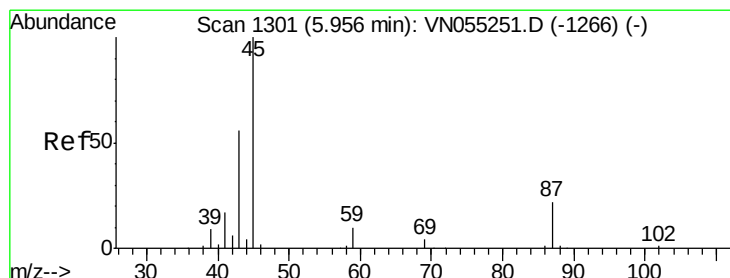
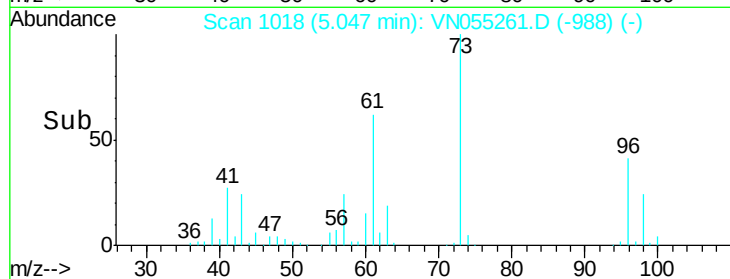
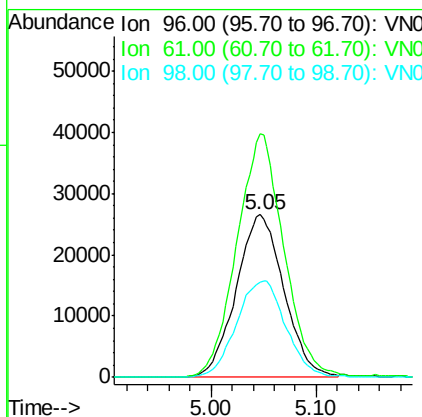
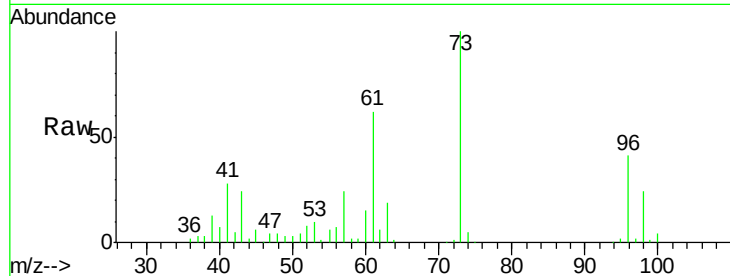
#19
trans-1,2-Dichloroethene
Concen: 20.238 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	116.3	174.5
98	58.2	49.4	74.2

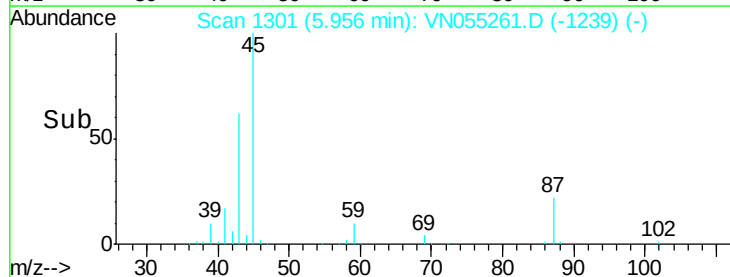
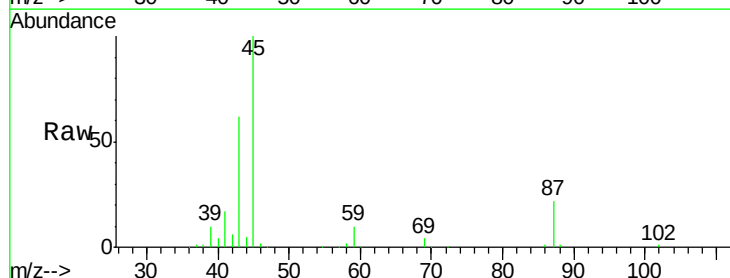
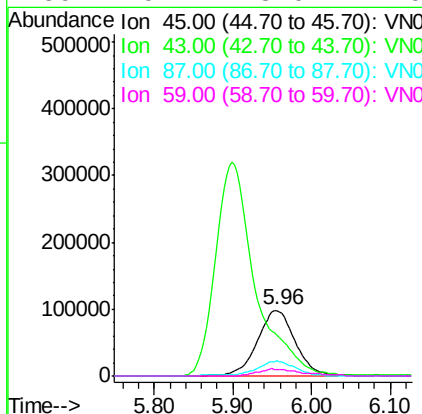
Manual Integrations
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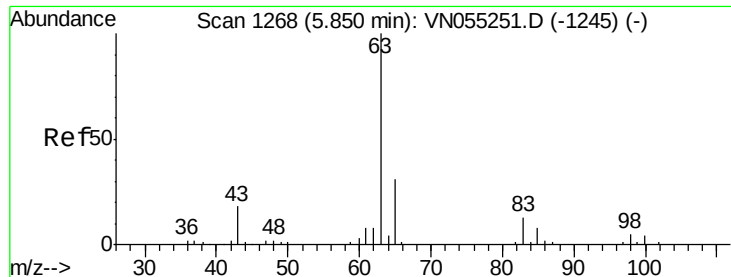
MMdadoda
4/26/2019 10:58:20 AM



#20
Diisopropyl ether
Concen: 20.081 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.1	69.1
87	22.2	18.3	27.5
59	9.7	8.0	12.0





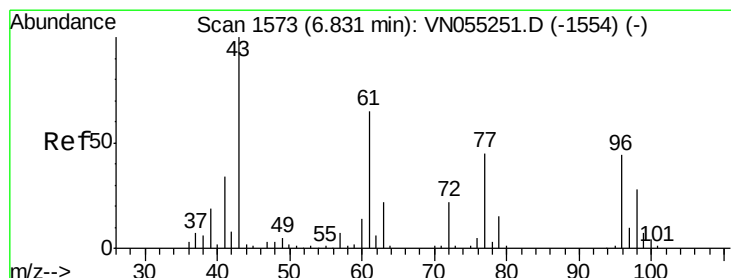
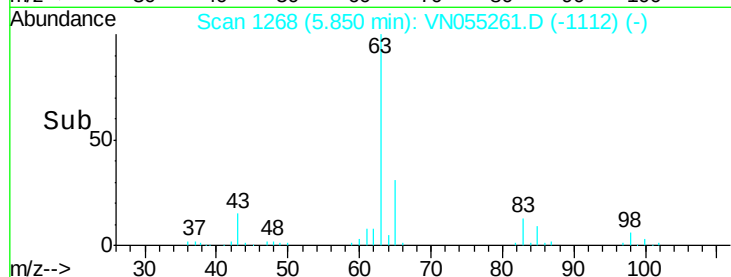
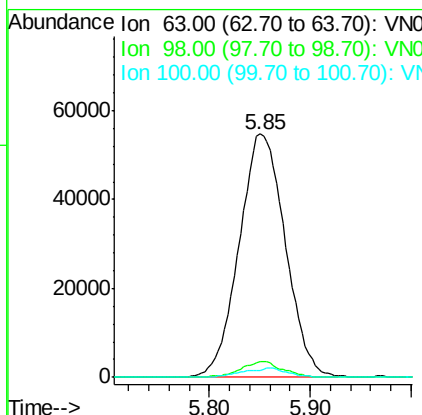
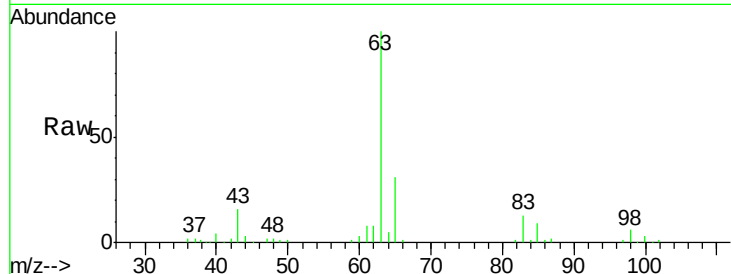
#21
 1,1-Dichloroethane
 Concen: 20.131 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	173930		
98	6.4		2.8	8.3
100	3.0		2.0	5.8

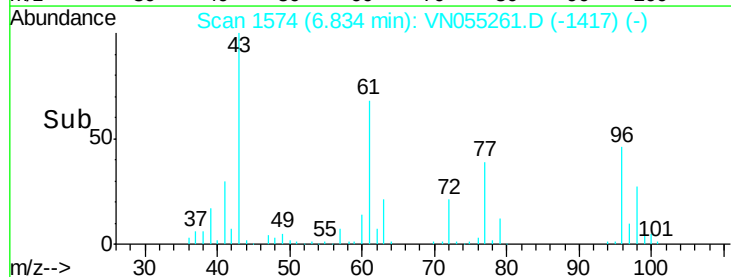
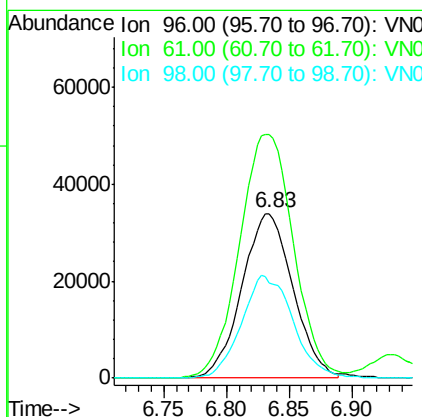
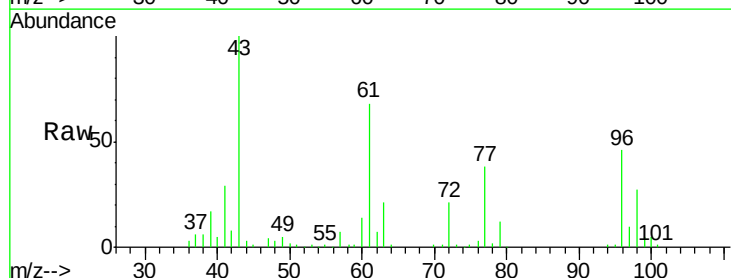
Manual Integrations
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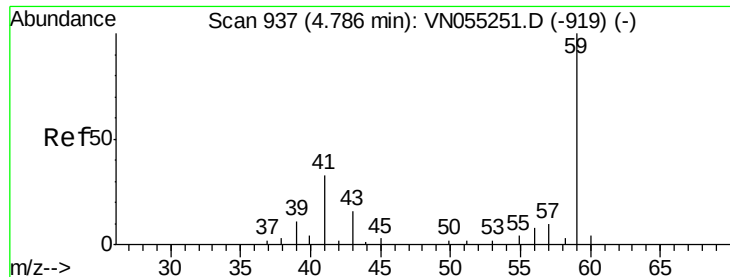
MMDadoda
 4/26/2019 10:58:20 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.087 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96009		
61	156.4		129.1	193.7
98	63.1		53.2	79.8





#23

tert-Butyl Alcohol

Concen: 94.892 ug/l m

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tot Ion: 59 Resp: 37822

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

Instrument :

MSVOA_N

ClientSampled :

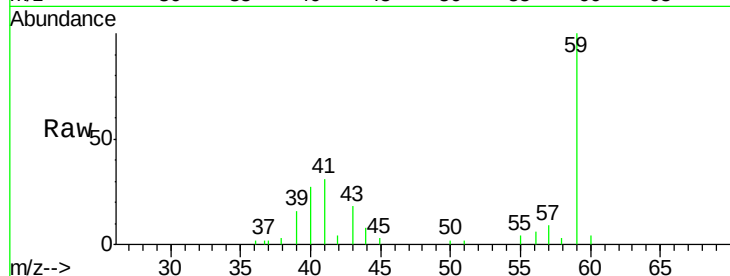
VN0426WBSD01

Manual Integrations

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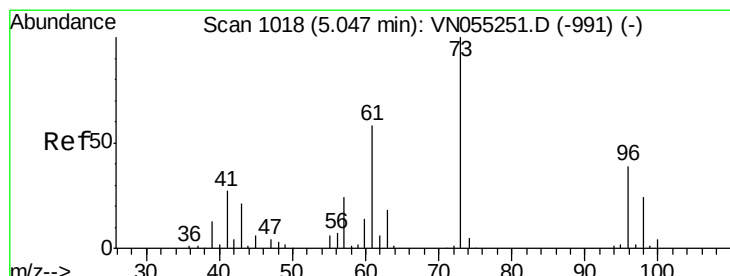
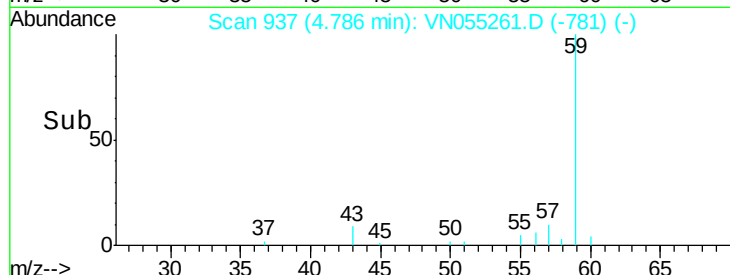
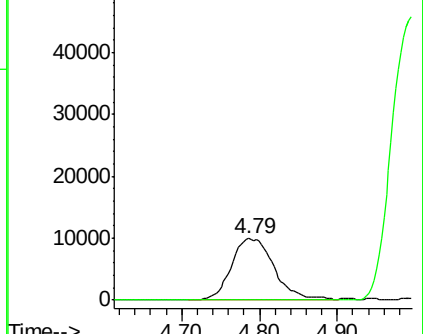
MMdadoda

4/26/2019 10:58:20 AM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 19.555 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN055261.D

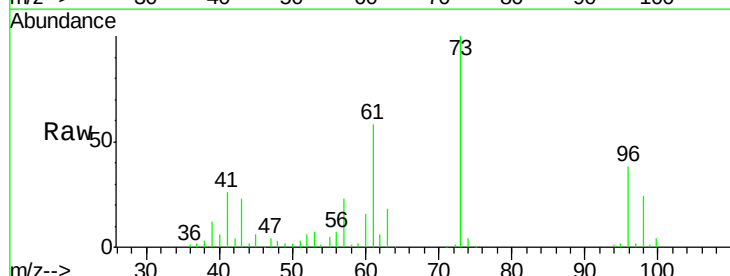
Acq: 25 Apr 2019 23:29

Tgt Ion: 73 Resp: 241308

Ion Ratio Lower Upper

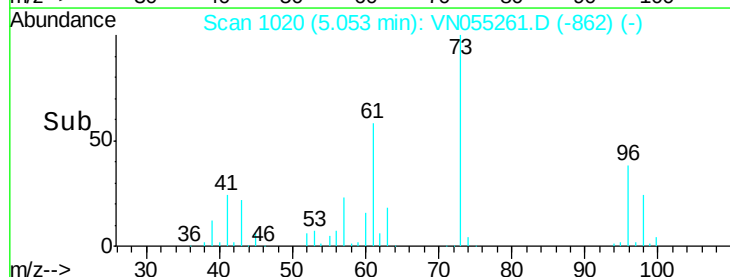
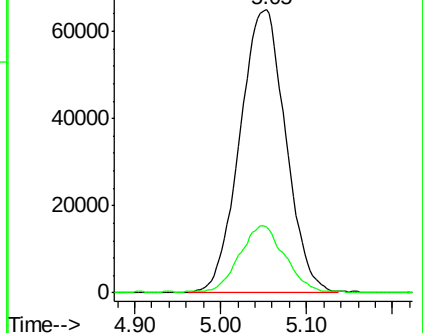
73 100

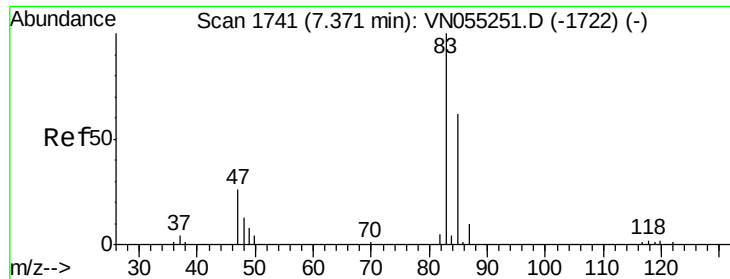
43 23.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





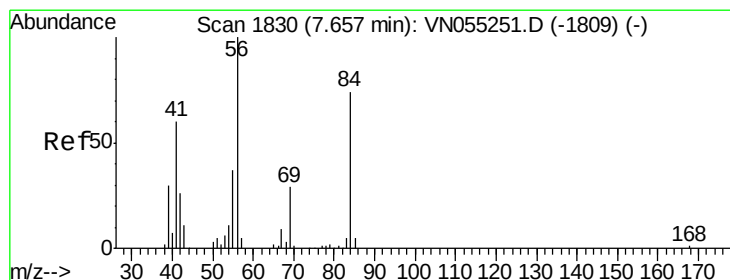
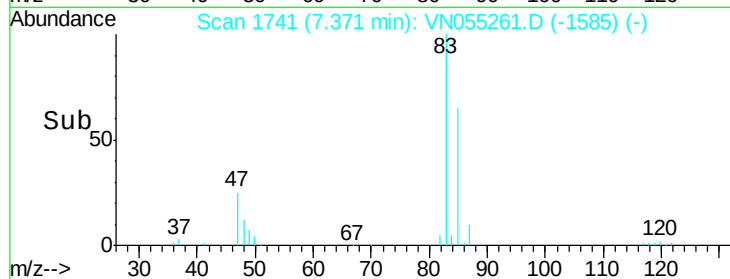
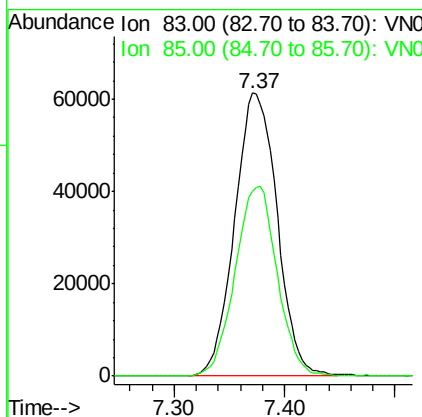
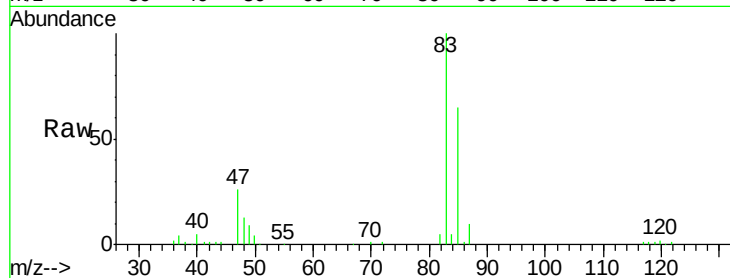
#25
Chloroform
Concen: 20.153 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	83	Resp	163614
Ion Ratio	100	Lower	Upper
85	65.3	49.7	74.5

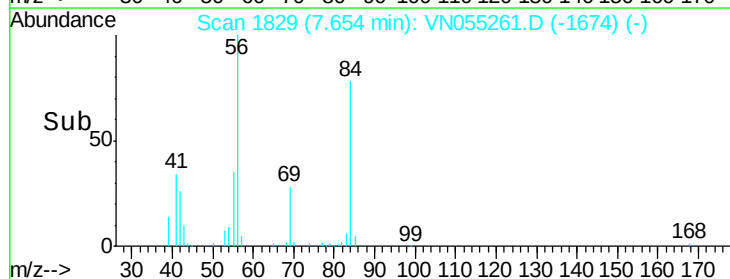
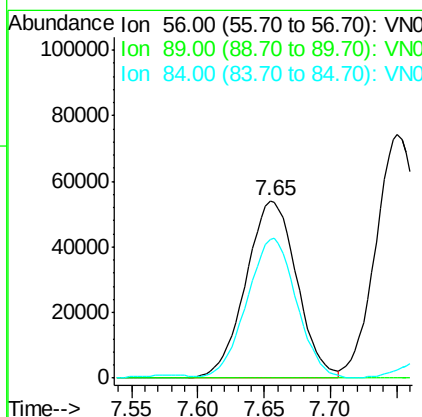
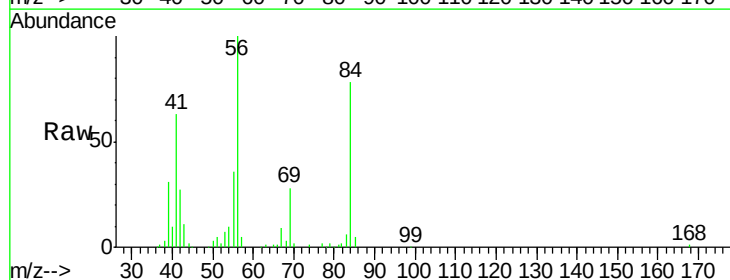
Manual Integrations
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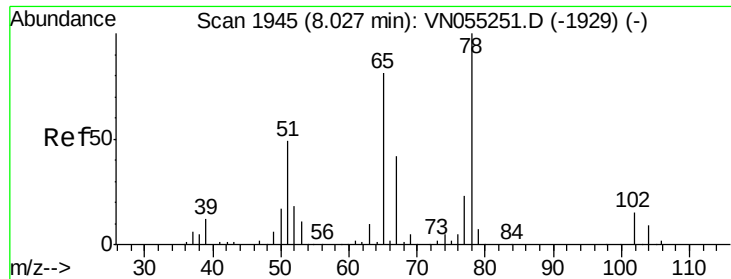
MMdadoda
4/26/2019 10:58:20 AM



#26
Cyclohexane
Concen: 19.349 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	56	Resp	145189
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	76.9	63.5	95.3





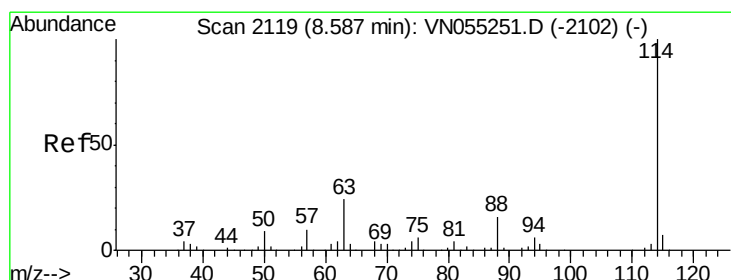
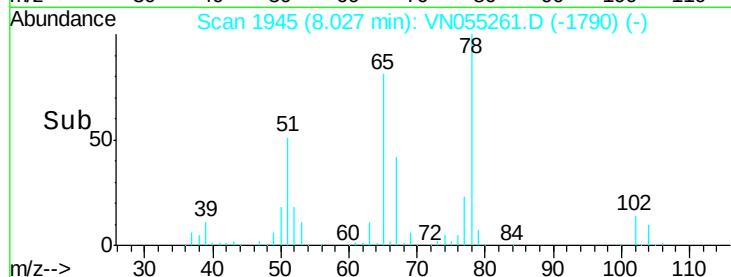
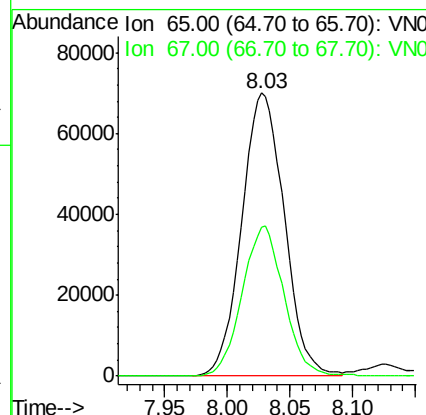
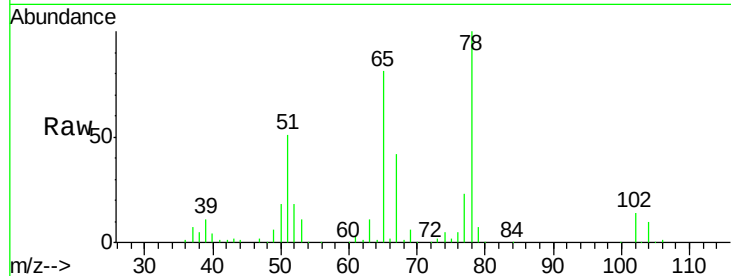
#27
 1,2-Dichloroethane-d4
 Concen: 29.932 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	41.9	62.9

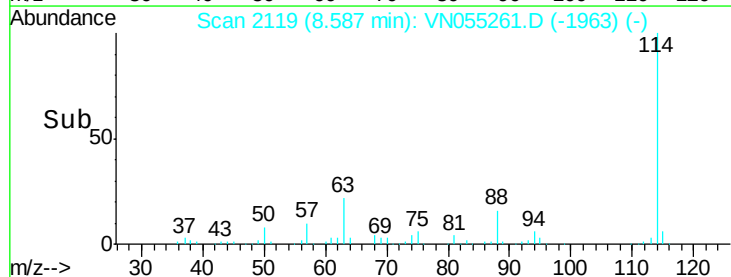
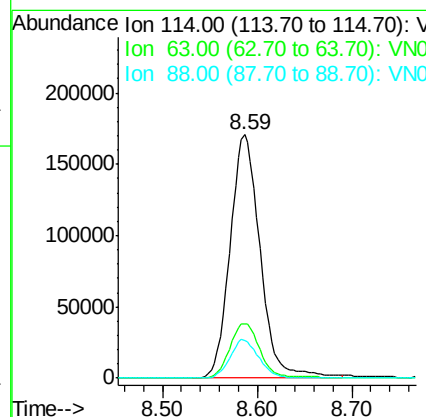
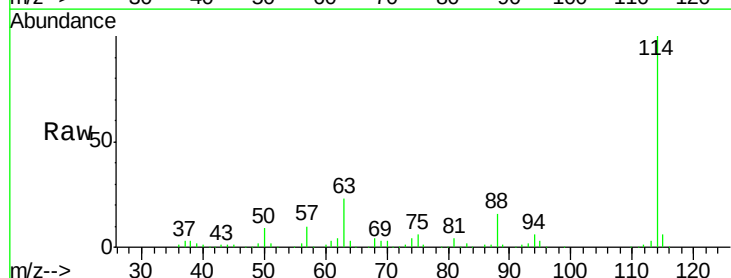
Manual Integrations
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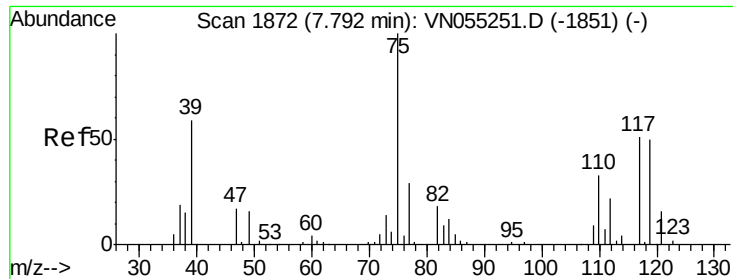
MMDadoda
 4/26/2019 10:58:20 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	18.2	27.2
88	15.0	12.6	18.8





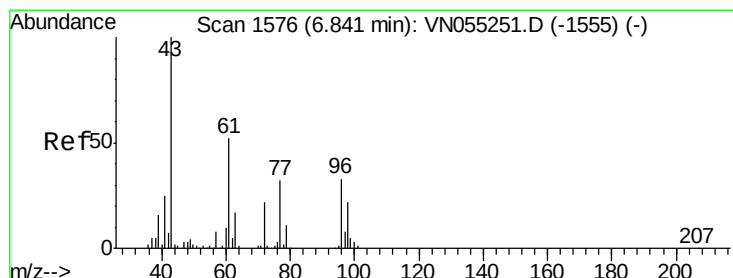
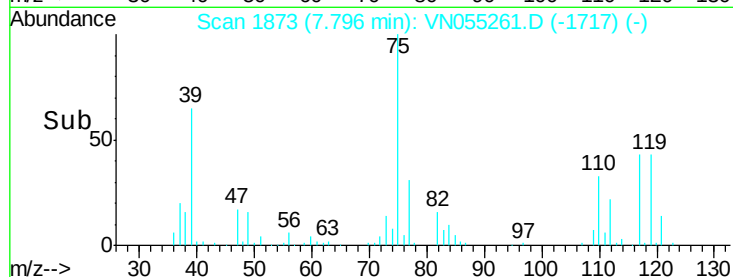
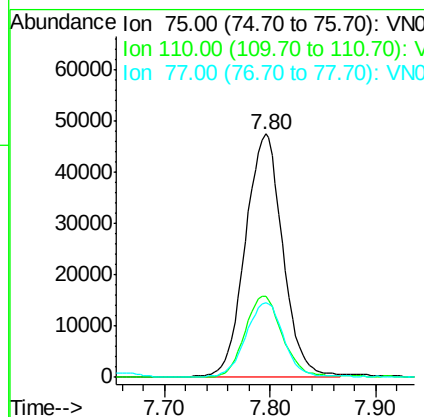
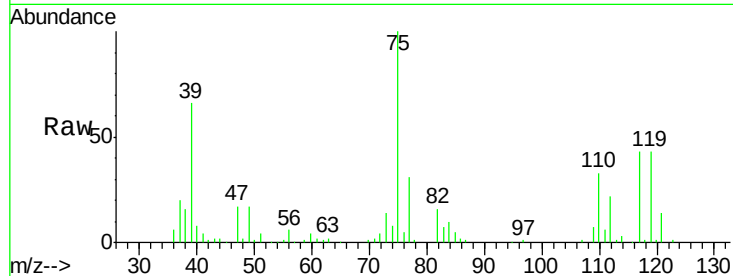
#29
 1,1-Dichloropropene
 Concen: 19.571 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.3	0.0	68.6
77	31.0	0.0	61.6

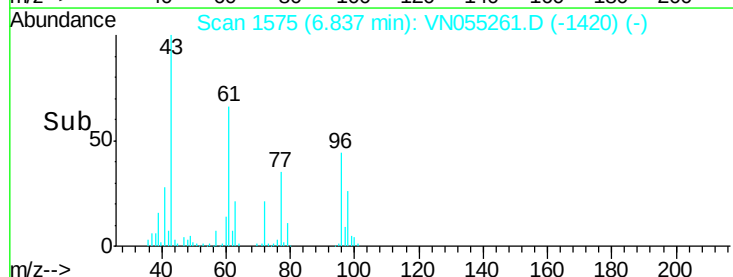
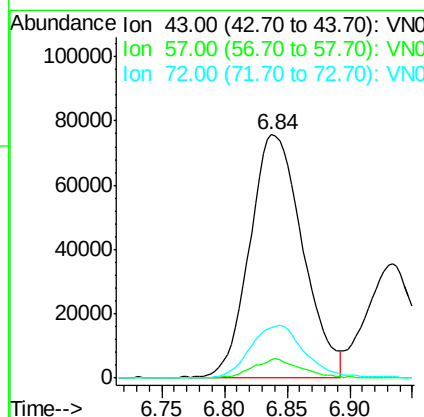
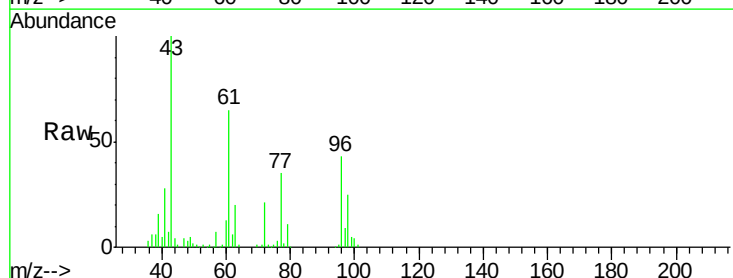
Manual Integrations
 APPROVED

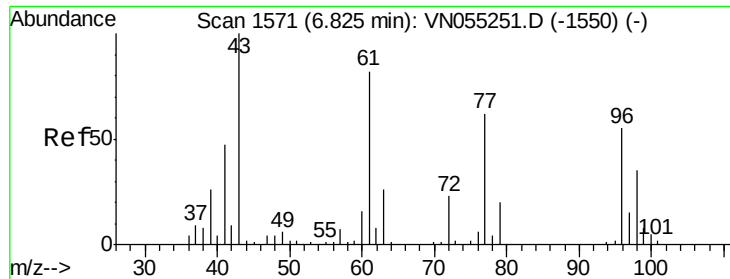
MMdadoda
 4/26/2019 10:58:20 AM



#30
 2-Butanone
 Concen: 90.943 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.2	6.0	9.0
72	22.0	17.9	26.9





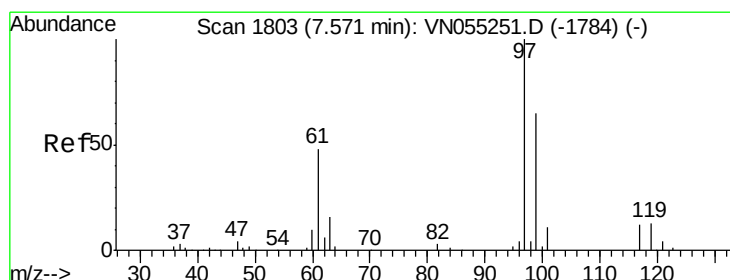
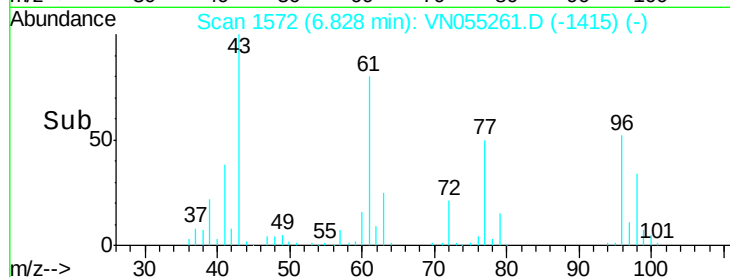
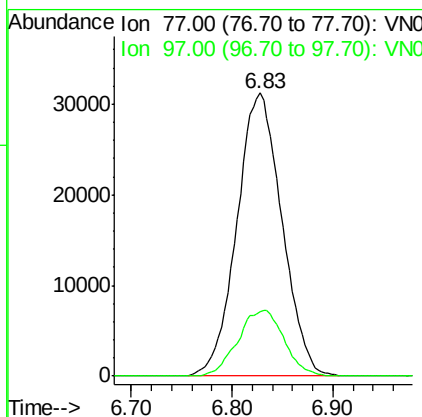
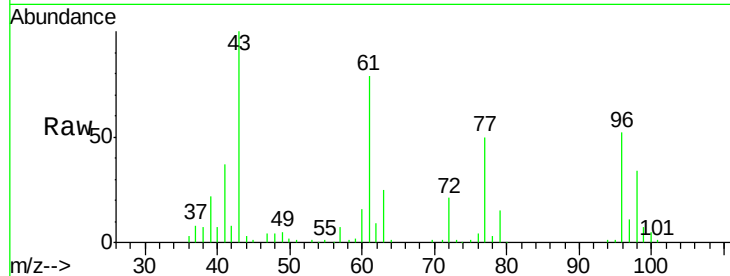
#31
 2,2-Dichloropropane
 Concen: 17.047 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion: 77 Resp: 96828
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.6 28.0

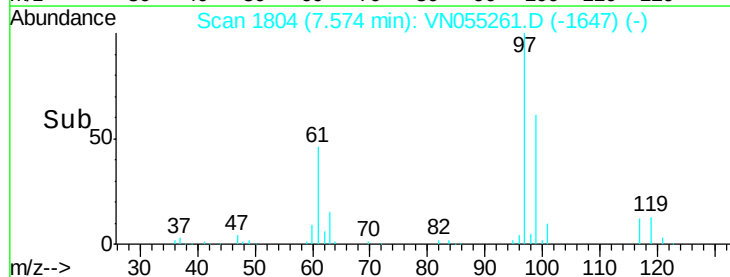
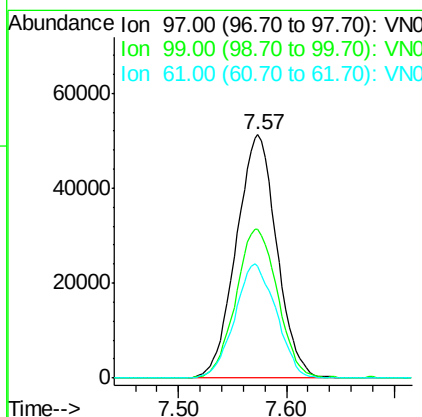
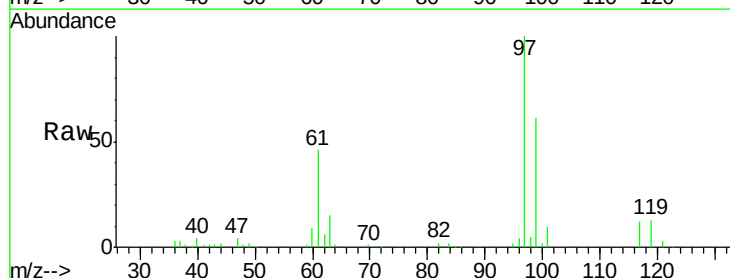
Manual Integrations
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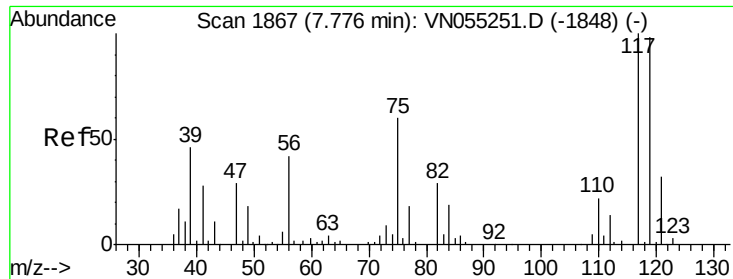
MMdadoda
 4/26/2019 10:58:20 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.095 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion: 97 Resp: 133966
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.2 76.8
 61 48.0 38.3 57.5





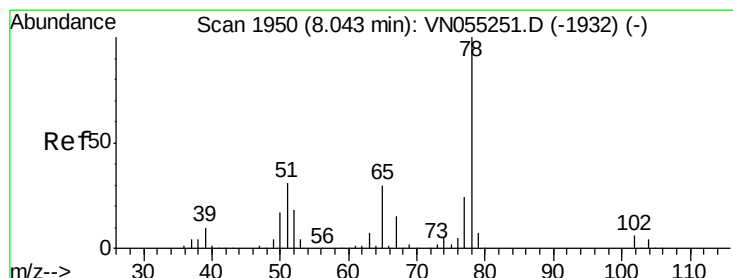
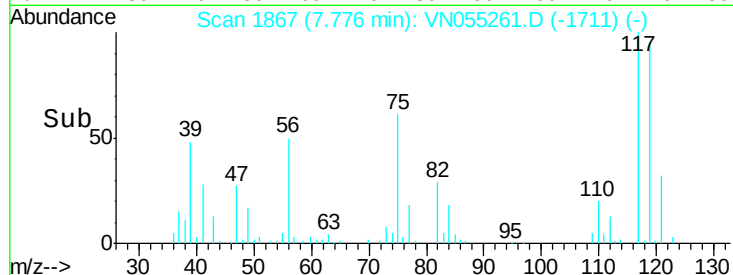
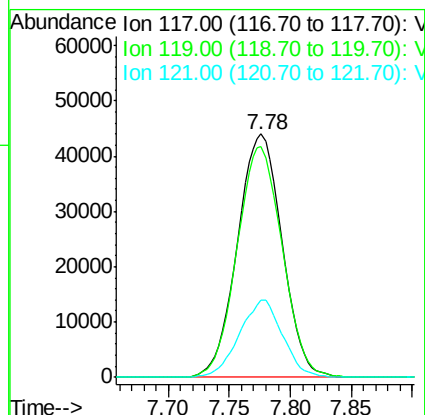
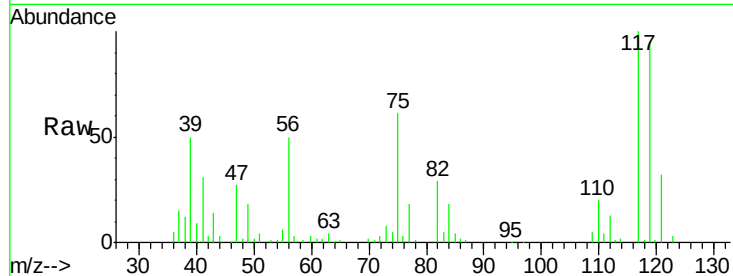
#33
Carbon Tetrachloride
Concen: 20.059 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	111505		
119	94.6	78.7	118.1	
121	31.6	25.8	38.6	

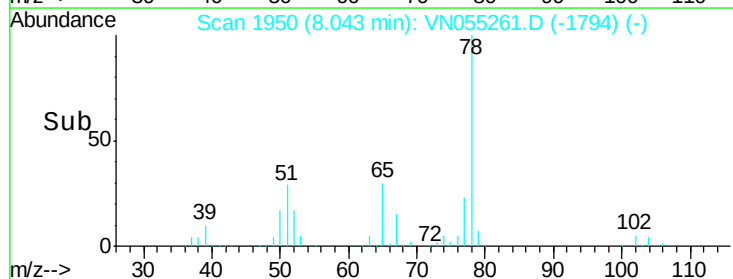
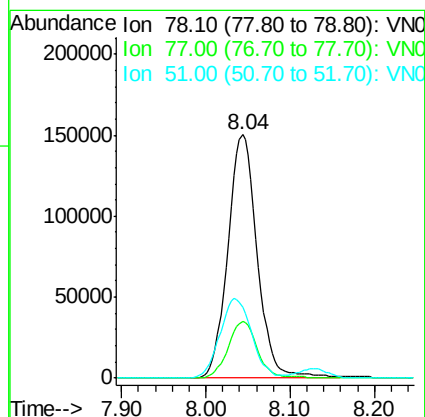
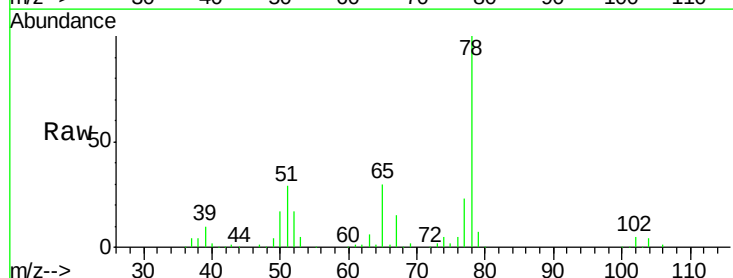
Manual Integrations
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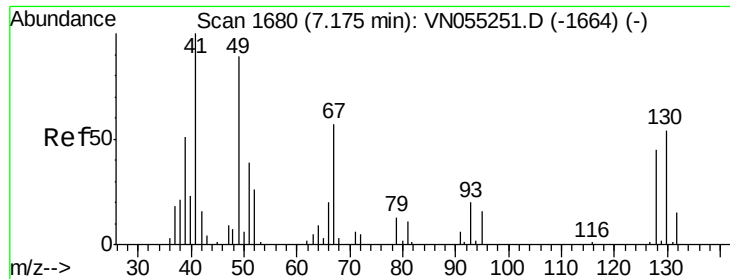
MMdadoda
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#34
Benzene
Concen: 20.277 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	364064		
77	23.1	19.1	28.7	
51	29.1	24.5	36.7	





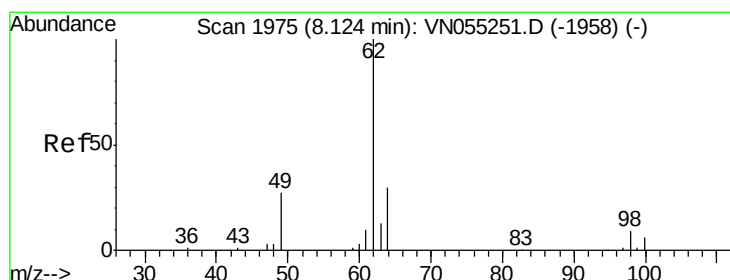
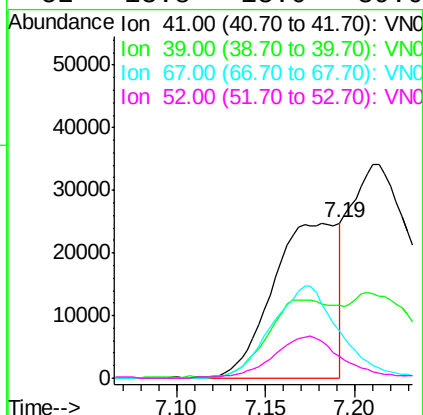
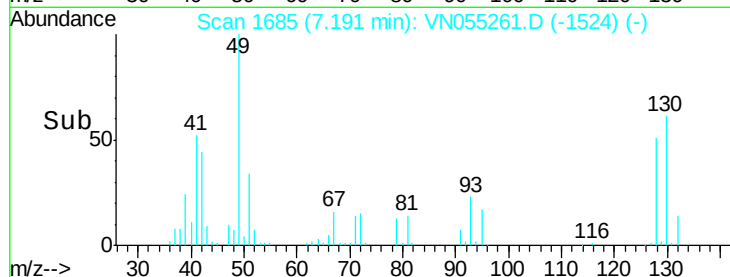
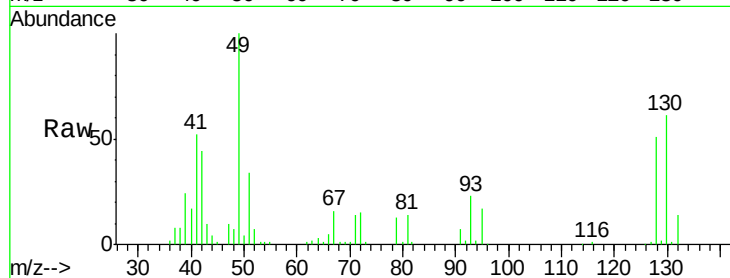
#35
Methacrylonitrile
Concen: 22.536 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.6	25.3	75.8	
67	30.4	28.7	86.1	
52	13.8	13.0	39.0	

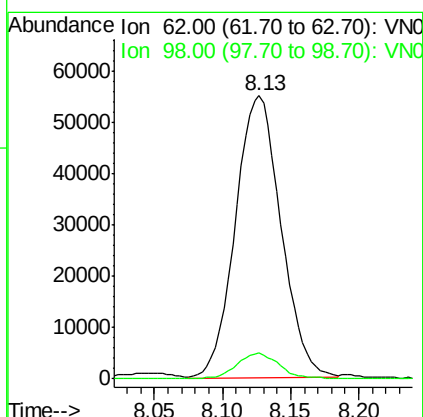
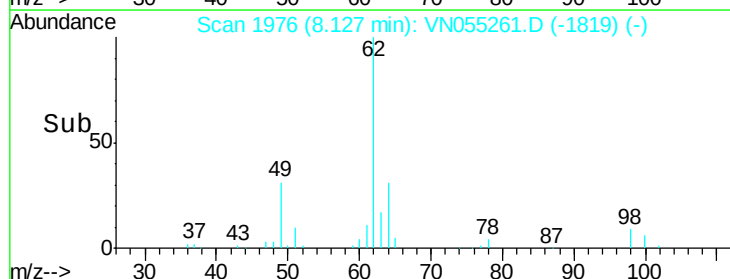
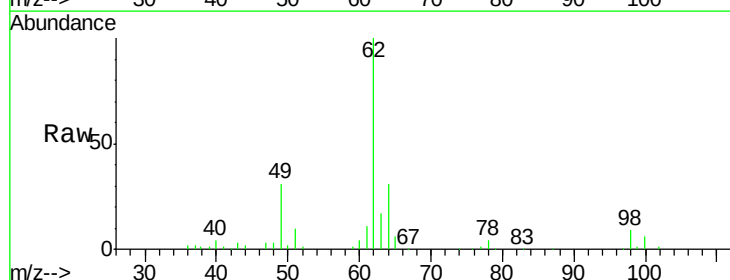
Manual Integrations
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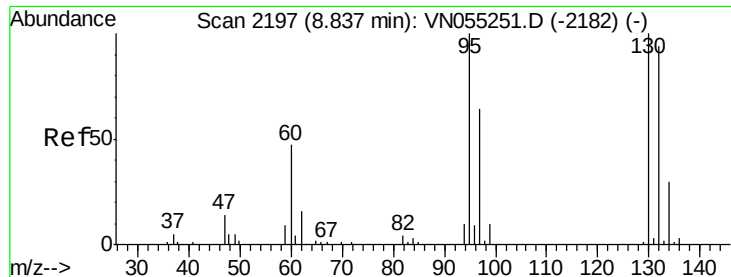
MMDadoda
4/26/2019 10:58:20 AM



#36
1,2-Dichloroethane
Concen: 19.924 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	6.8	10.2	





#37

Trichloroethene

Concen: 19.340 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleID :

VN0426WBSD01

Tot Ion:130 Resp: 87638

Ion Ratio Lower Upper

130 100

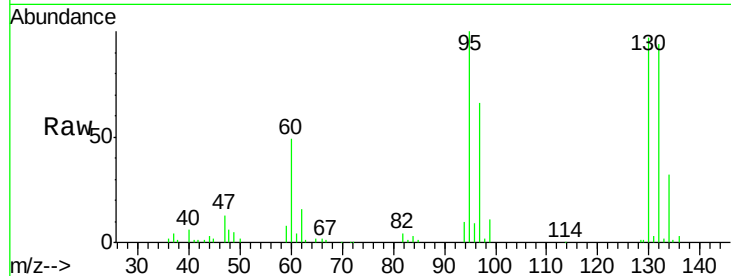
95 102.3 79.9 119.9

Manual Integrations

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MMdadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

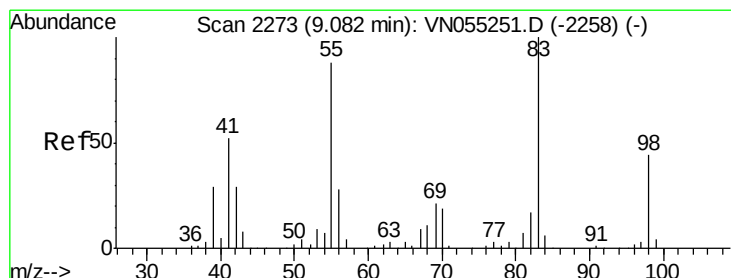
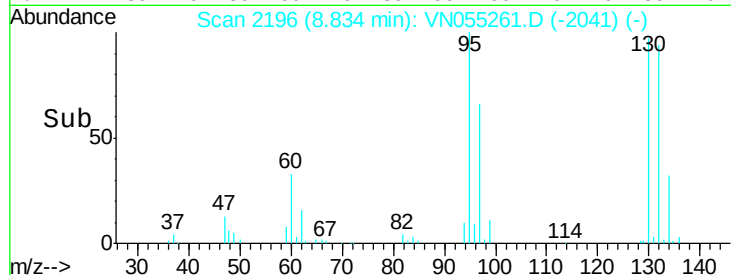
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 18.448 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

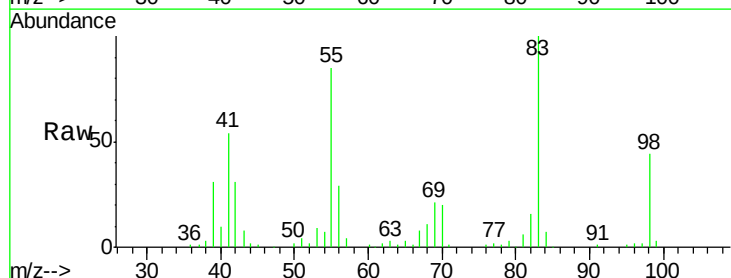
Tgt Ion: 83 Resp: 118368

Ion Ratio Lower Upper

83 100

55 87.1 43.8 131.4

98 43.1 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

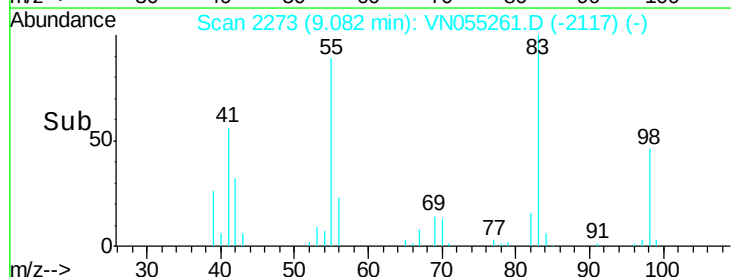
60000

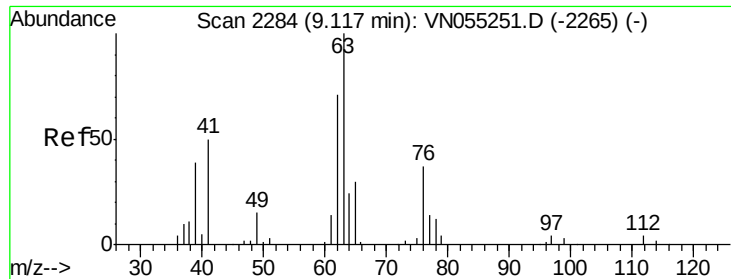
40000

20000

0

Time-->





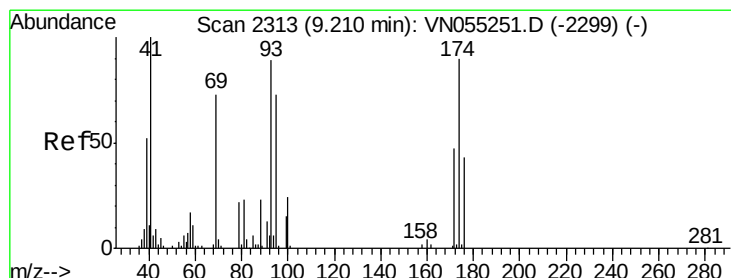
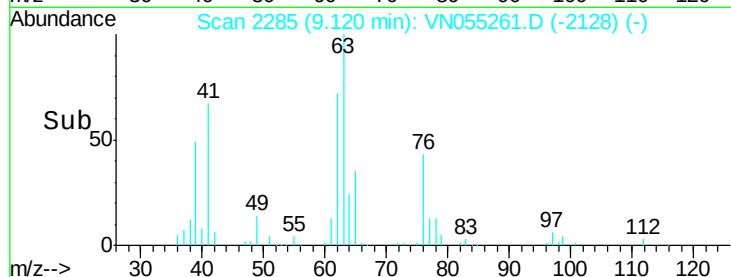
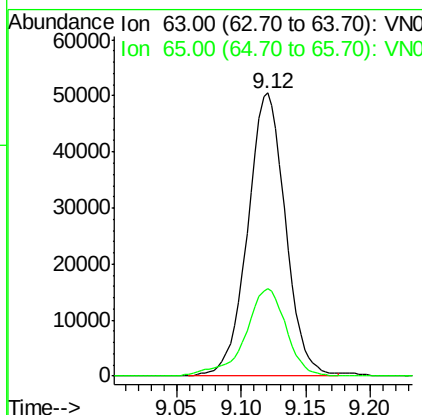
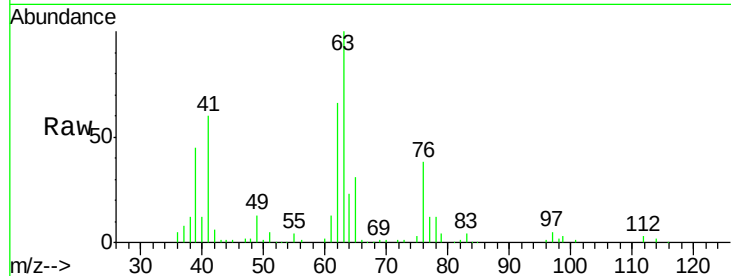
#39
 1,2-Dichloropropane
 Concen: 20.112 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

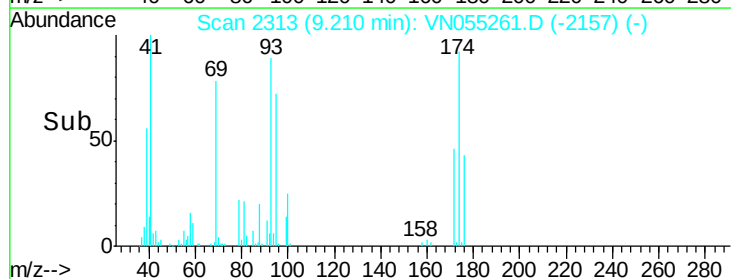
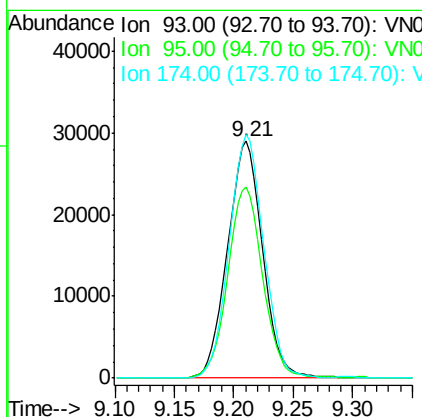
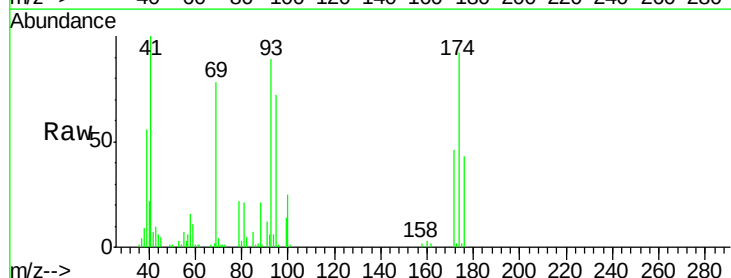
Manual Integrations
 APPROVED

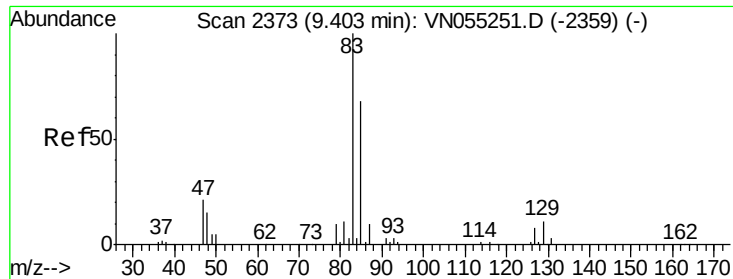
MMdadoda
 4/26/2019 10:58:20 AM



#40
 Dibromomethane
 Concen: 19.907 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.8	0.0	164.8
174	100.8	0.0	203.4





#41

Bromodichloromethane

Concen: 19.916 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

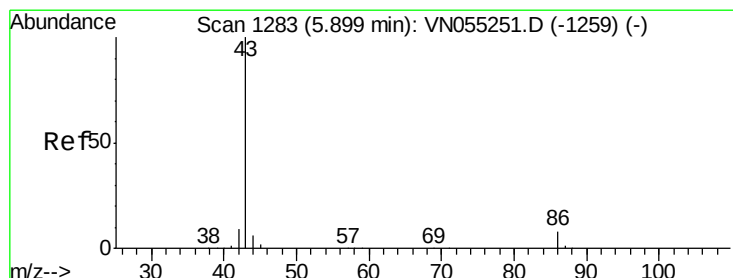
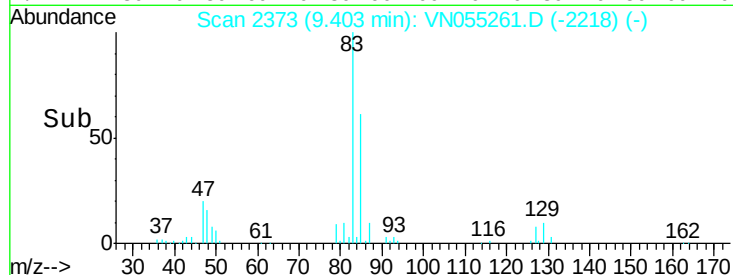
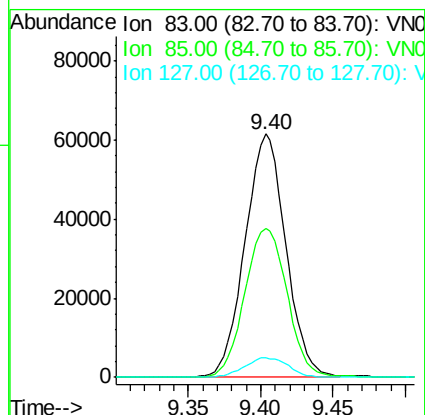
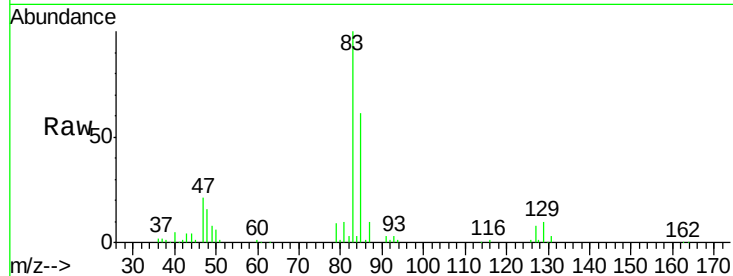
ClientSampleId :

VN0426WBSD01

Tot Ion:	83	Resp:	120620
Ion	Ratio	Lower	Upper
83	100		
85	61.3	54.5	81.7
127	7.9	6.4	9.6

Manual Integrations
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MMdadoda
4/26/2019 10:58:20 AM



#42

Vinyl Acetate

Concen: 95.624 ug/l

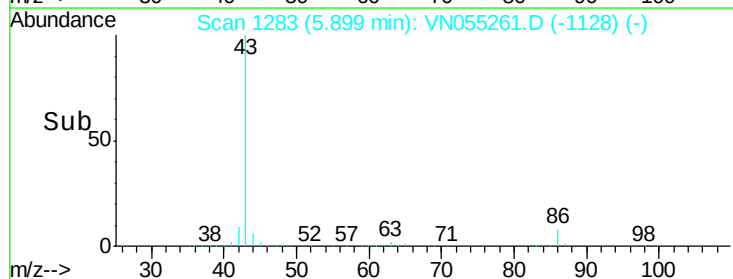
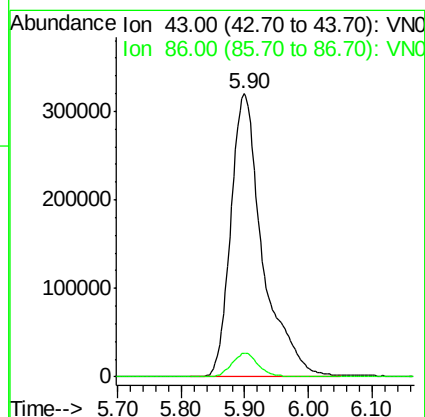
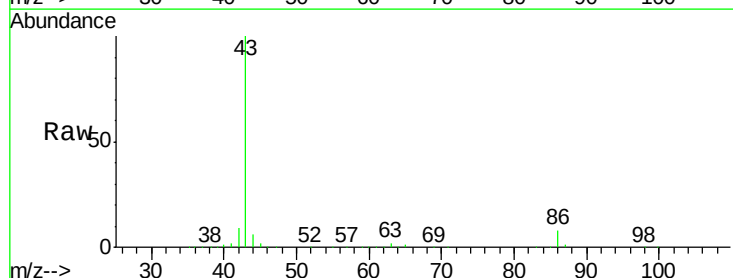
RT: 5.90 min Scan# 1283

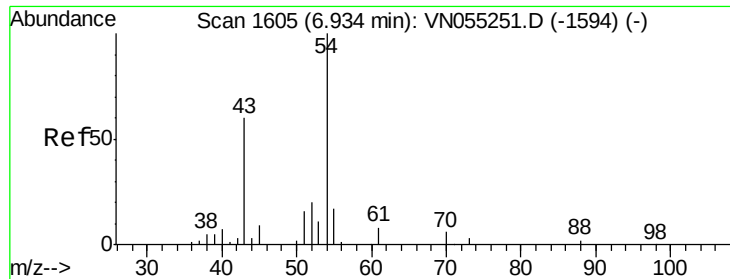
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	43	Resp:	1112937
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.7	8.5





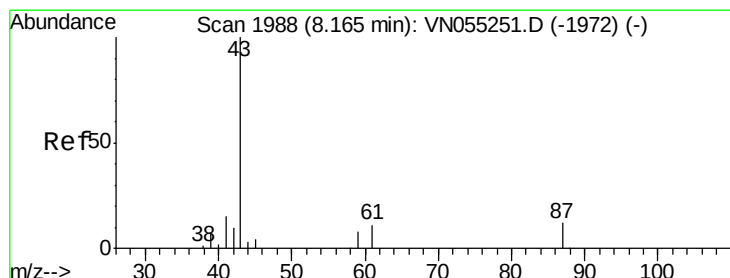
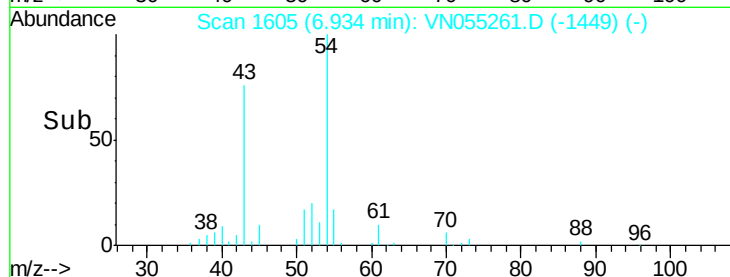
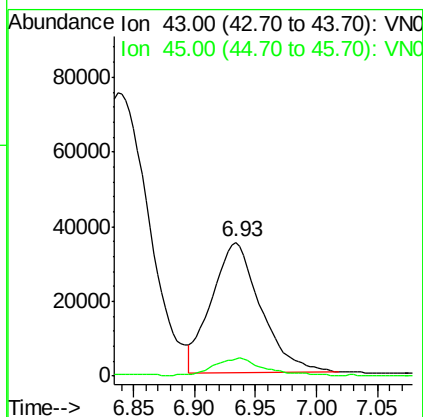
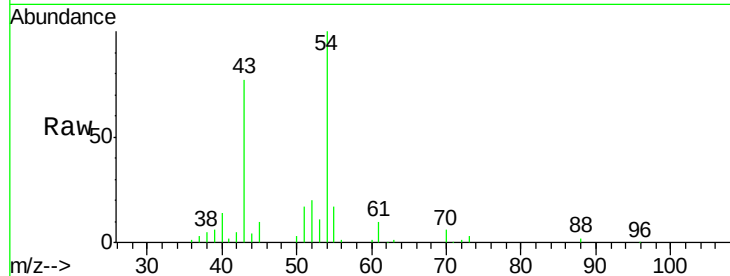
#43
Ethyl Acetate
Concen: 19.310 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	43	45	Ratio	Lower	Upper
43	100				
45	11.8			9.6	14.4

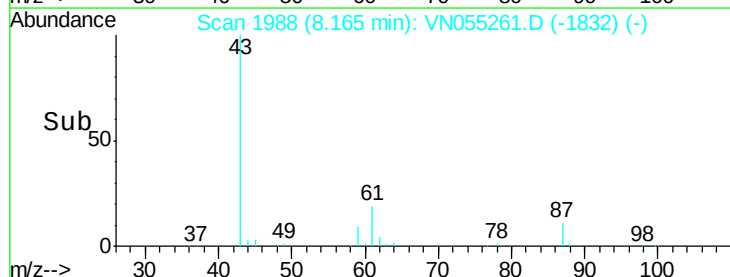
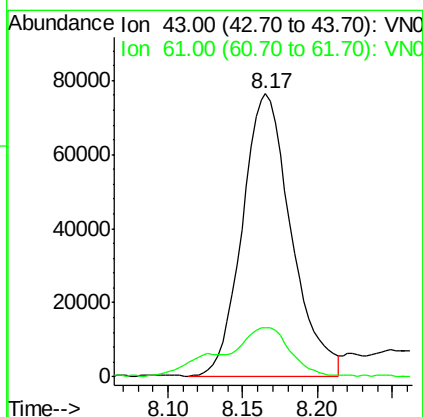
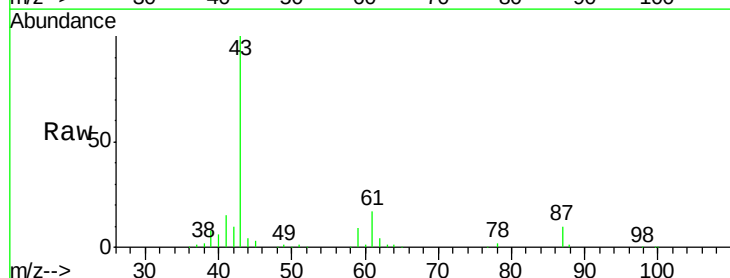
Manual Integrations
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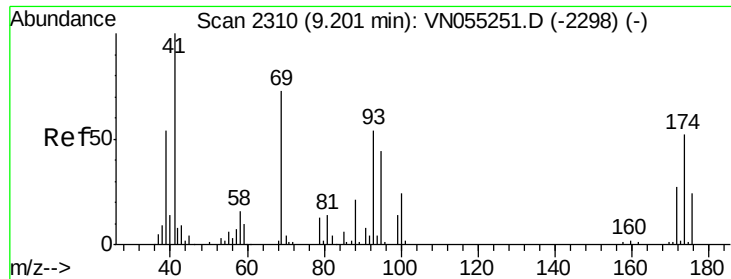
MMDadoda
4/26/2019 10:58:20 AM



#44
Isopropyl Acetate
Concen: 18.690 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	43	61	Ratio	Lower	Upper
43	100				
61	16.4			12.6	18.8





#45

1,4-Dioxane

Concen: 385.010 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

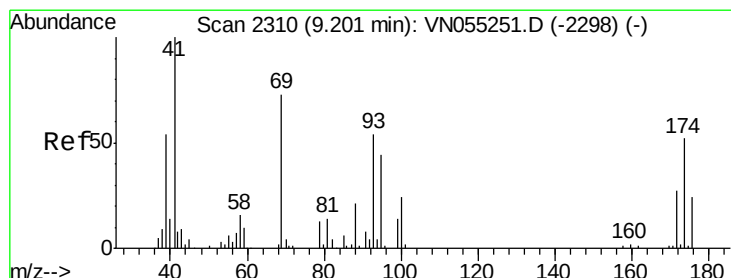
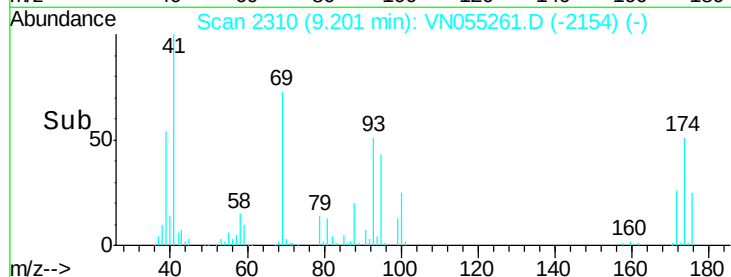
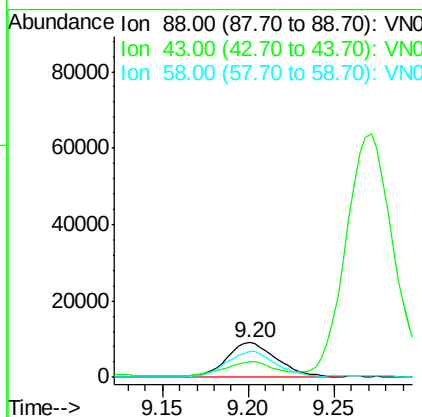
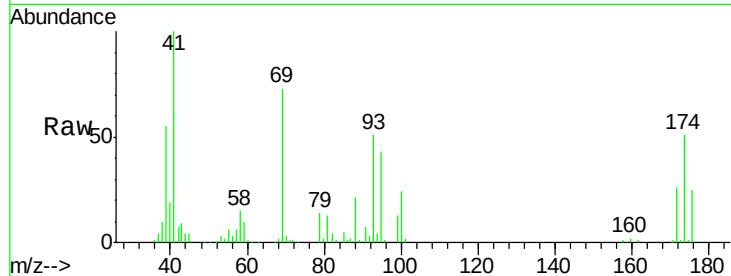
ClientSampleId :

VN0426WBSD01

Tot Ion:	88	Resp:	18494
Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.4	44.0
58	75.4	62.4	93.6

Manual Integrations
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#46

Methyl methacrylate

Concen: 18.351 ug/l

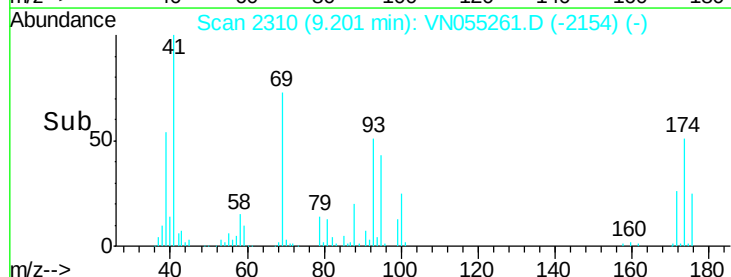
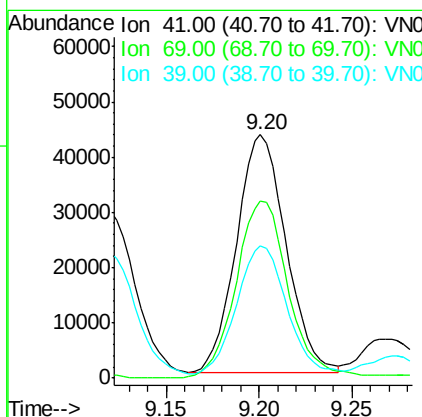
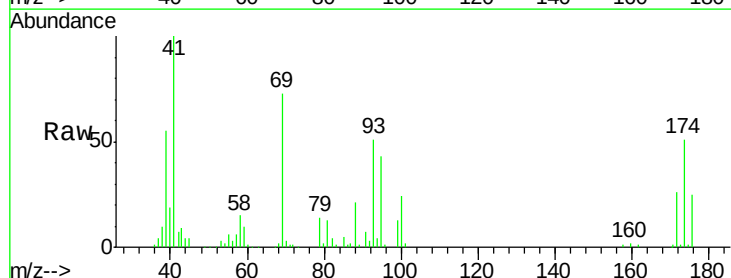
RT: 9.20 min Scan# 2310

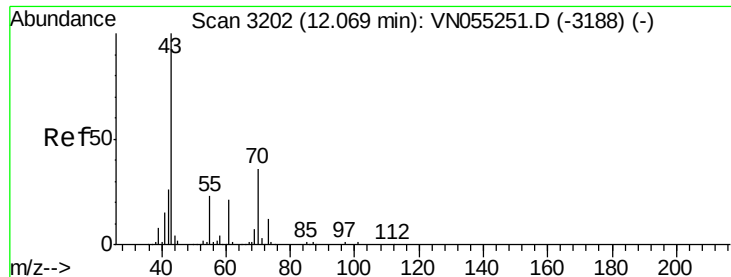
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	41	Resp:	80086
Ion	Ratio	Lower	Upper
41	100		
69	74.0	36.4	109.3
39	54.1	26.9	80.7





#47

n-amyl Acetate

Concen: 16.760 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 43 Resp: 110506

Ion Ratio Lower Upper

43 100

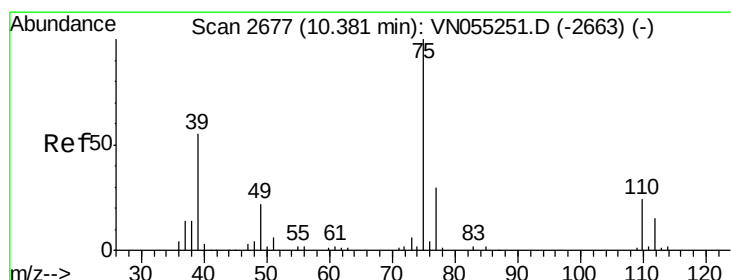
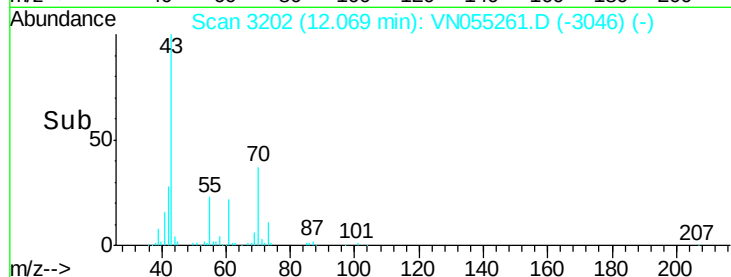
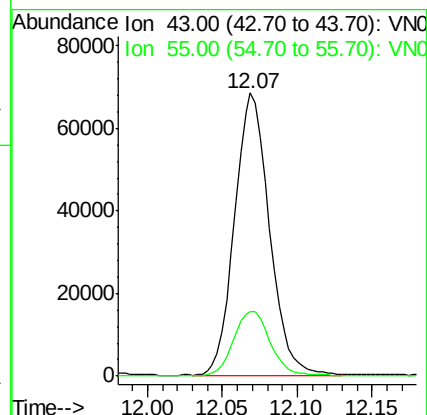
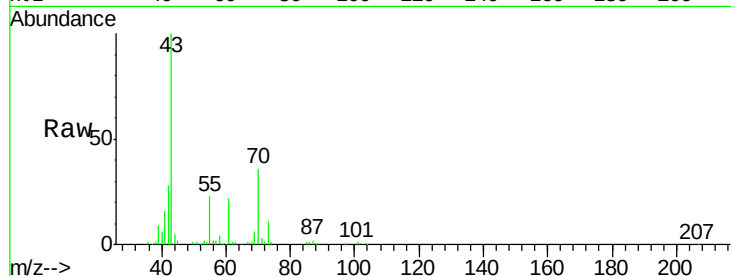
55 24.6 18.1 27.1

Manual Integrations

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MMdadoda

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#48

t-1,3-Dichloropropene

Concen: 17.911 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055261.D

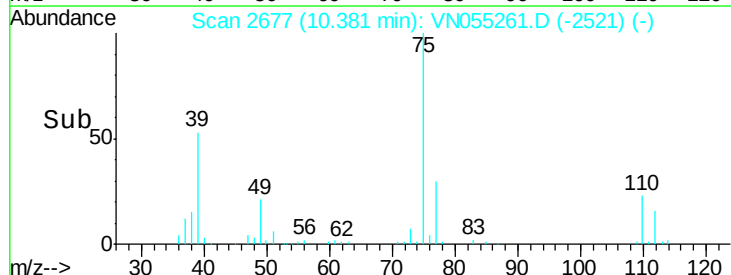
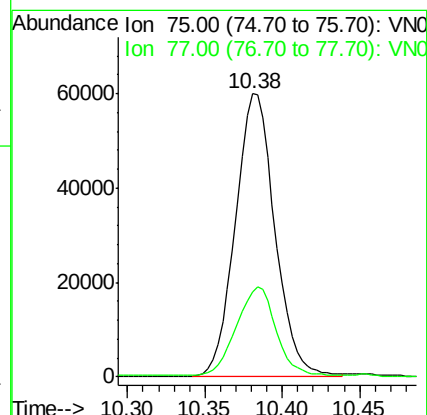
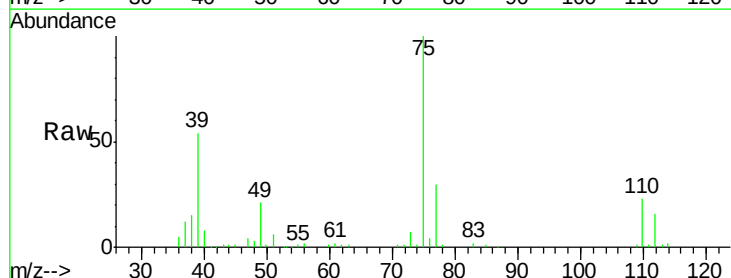
Acq: 25 Apr 2019 23:29

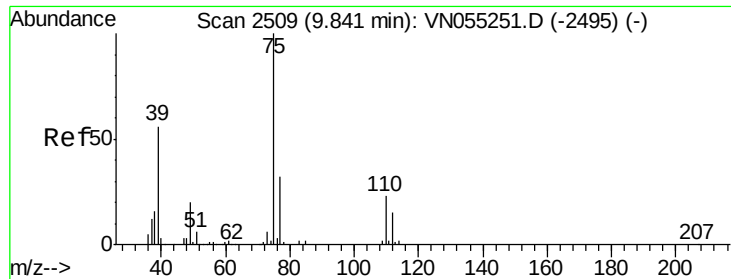
Tgt Ion: 75 Resp: 106740

Ion Ratio Lower Upper

75 100

77 29.7 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 18.886 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

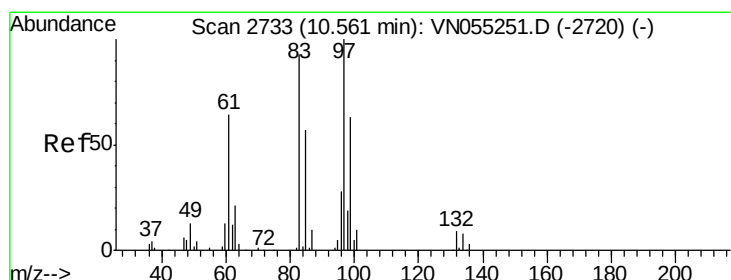
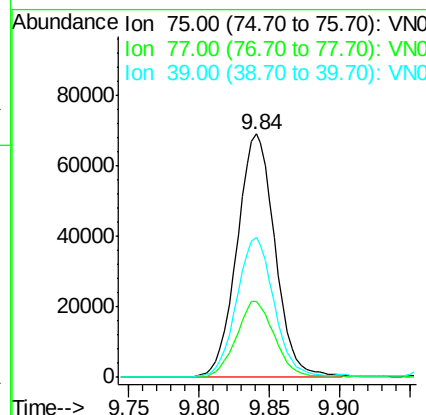
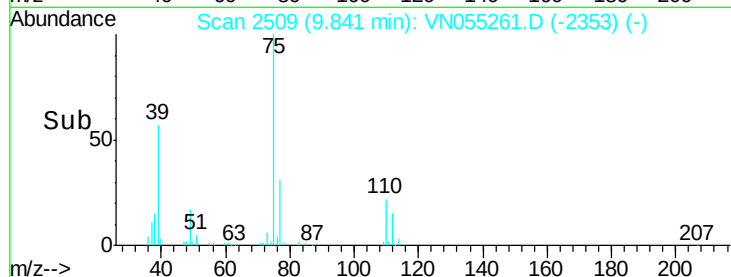
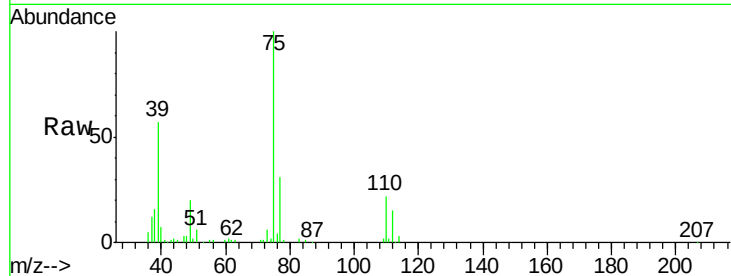
ClientSampleId :

VN0426WBSD01

Tot Ion:	75	Resp:	130576
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.9	38.9
39	57.0	45.0	67.6

Manual Integrations
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4/26/2019 10:58:20 AM



#50

1,1,2-Trichloroethane

Concen: 19.902 ug/l

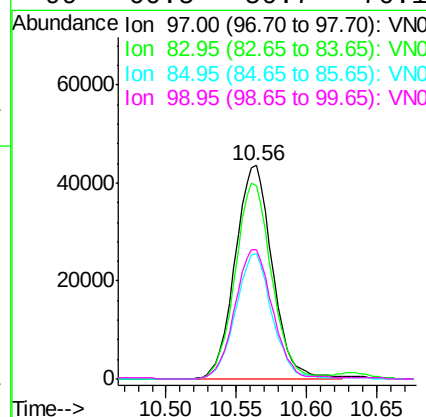
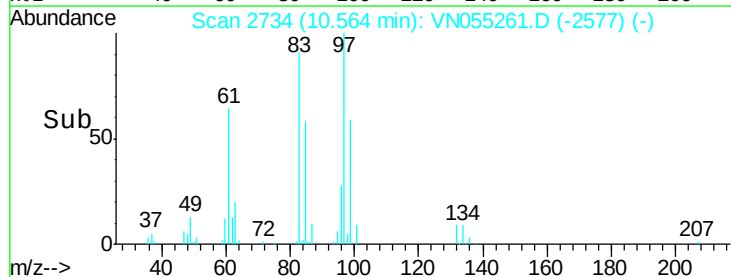
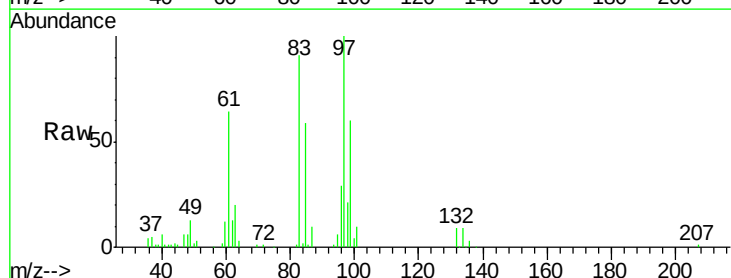
RT: 10.56 min Scan# 2734

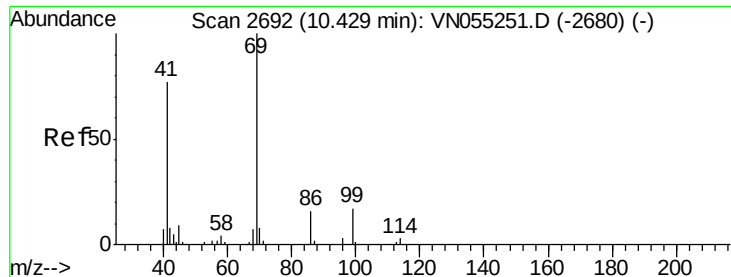
Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	97	Resp:	80788
Ion	Ratio	Lower	Upper
97	100		
83	90.8	74.6	111.8
85	58.7	45.4	68.2
99	60.5	50.7	76.1





#51

Ethyl methacrylate

Concen: 18.062 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

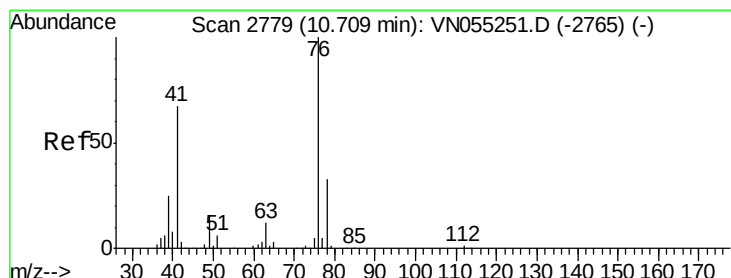
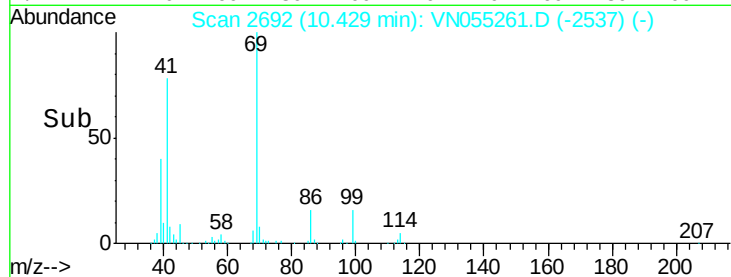
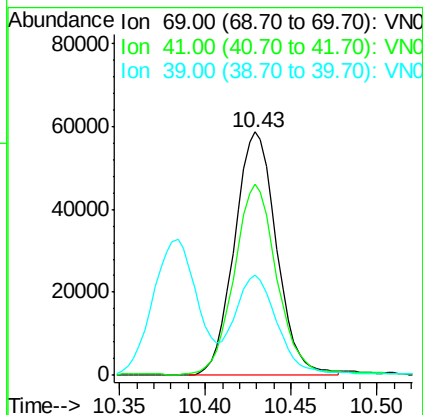
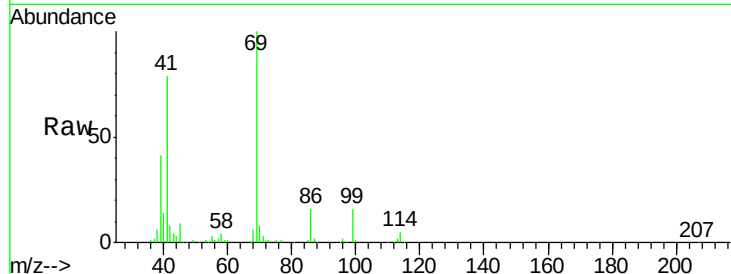
ClientSampleId :

VN0426WBSD01

Tot Ion:	69	Resp:	99678
Ion	Ratio	Lower	Upper
69	100		
41	77.9	38.7	116.1
39	39.5	19.9	59.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.718 ug/l

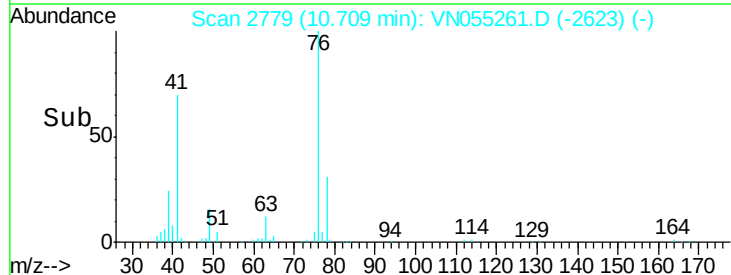
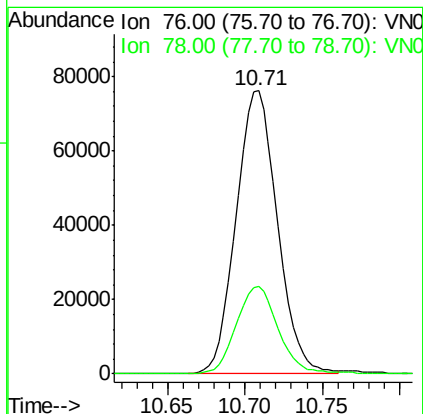
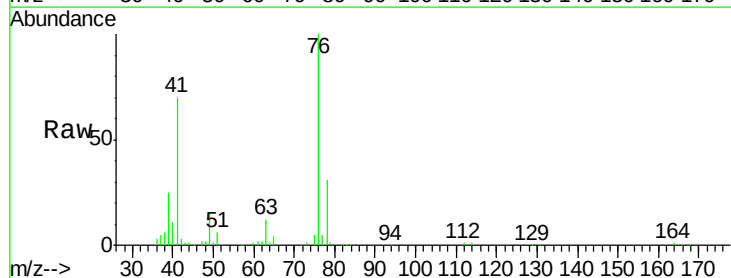
RT: 10.71 min Scan# 2779

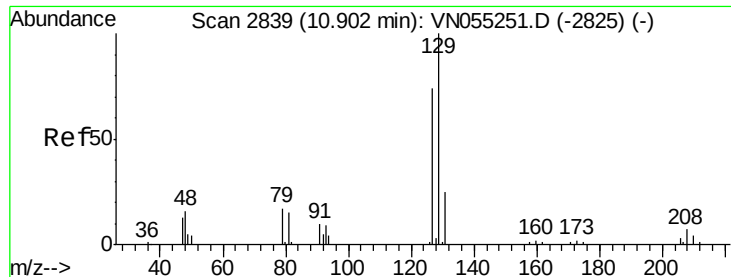
Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	76	Resp:	141724
Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	63.0





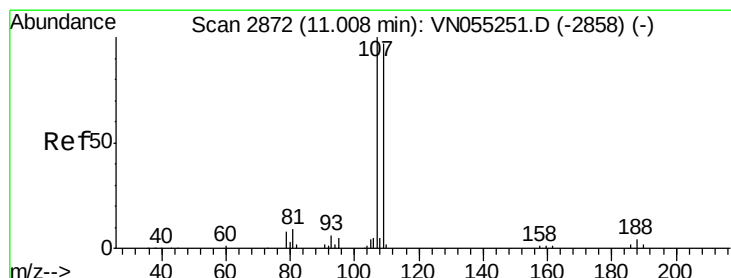
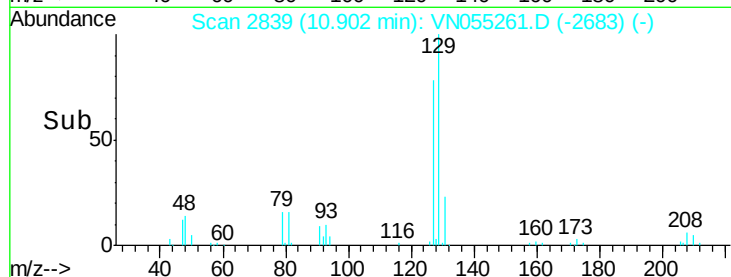
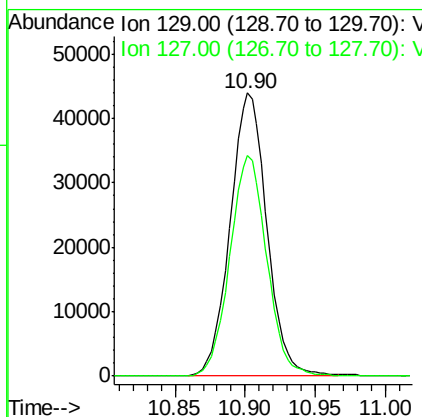
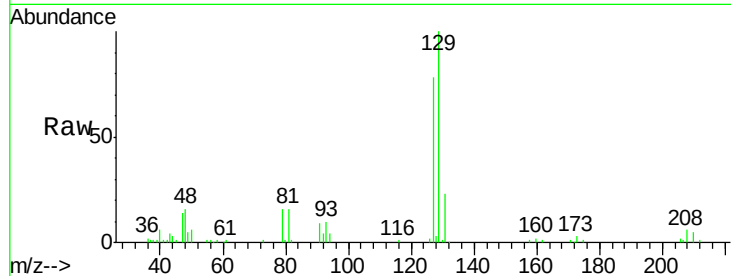
#53
 Dibromochloromethane
 Concen: 19.086 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion:129 Resp: 80123
 Ion Ratio Lower Upper
 129 100
 127 78.2 38.8 116.3

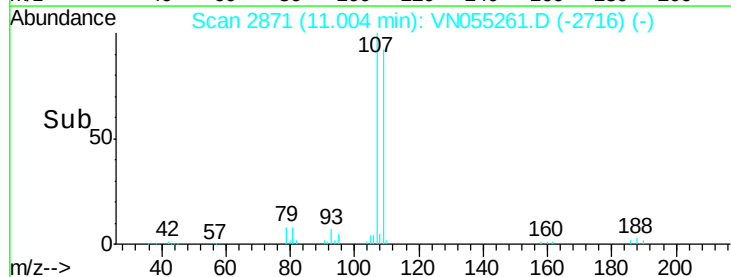
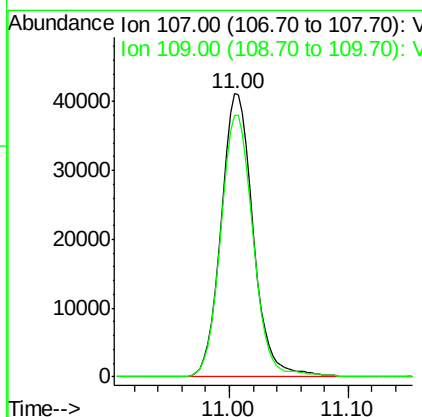
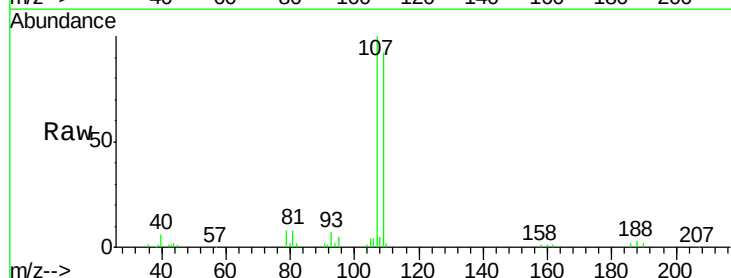
Manual Integrations
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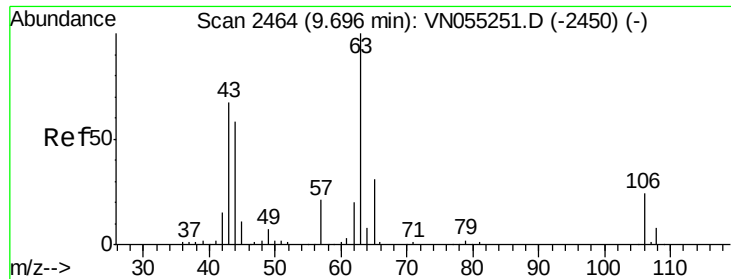
MMdadoda
 4/26/2019 10:58:20 AM



#54
 1,2-Dibromoethane
 Concen: 19.529 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion:107 Resp: 76913
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.2 112.8





#55

2-Chloroethyl vinyl ether

Concen: 83.525 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

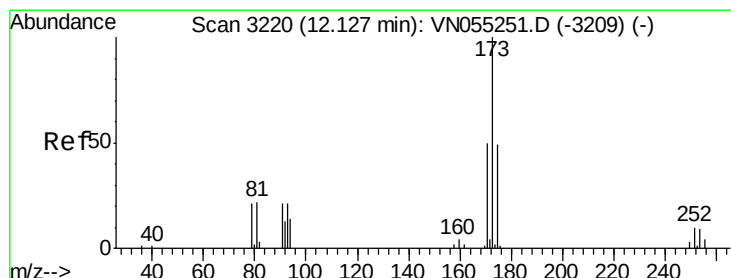
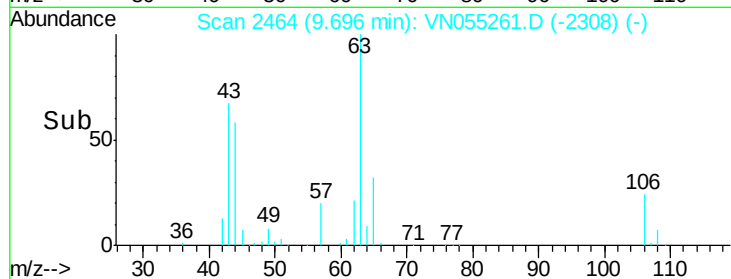
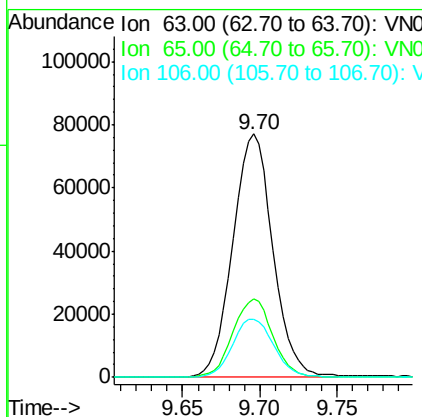
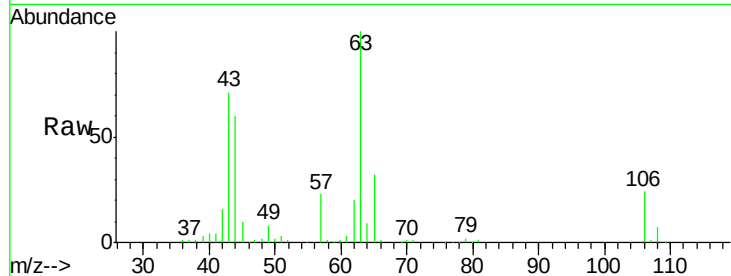
ClientSampleId :

VN0426WBSD01

Tot Ion:	63	Resp:	138934
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.1	37.7
106	24.6	19.4	29.0

Manual Integrations
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#56

Bromoform

Concen: 18.652 ug/l

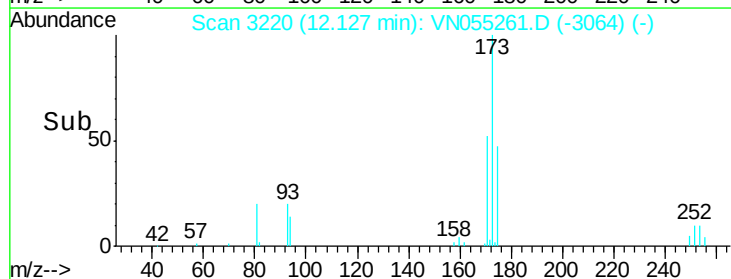
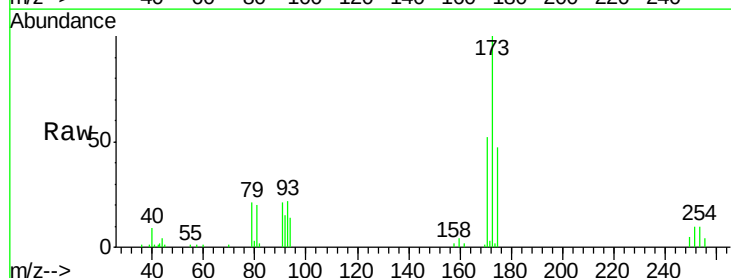
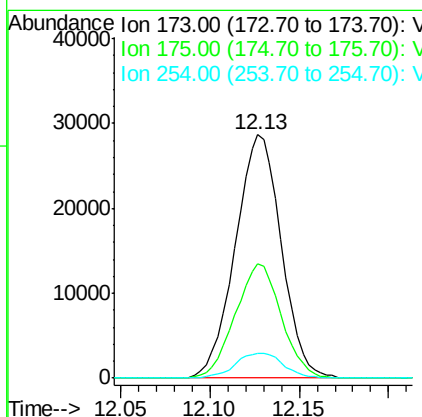
RT: 12.13 min Scan# 3220

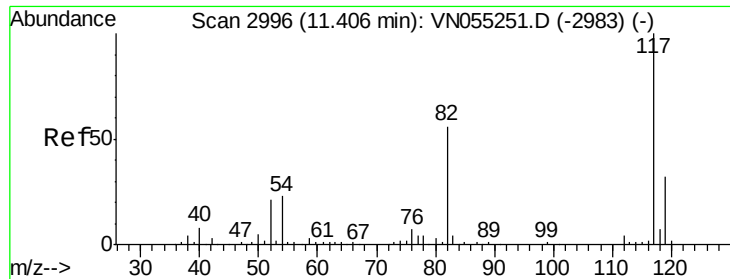
Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	173	Resp:	51318
Ion	Ratio	Lower	Upper
173	100		
175	47.2	37.7	56.5
254	10.8	7.8	11.6





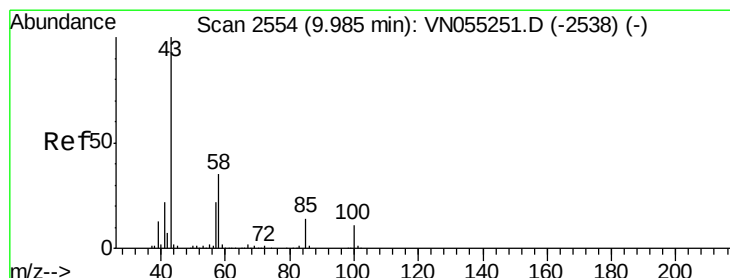
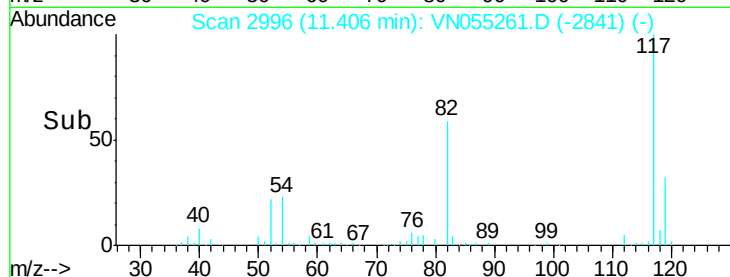
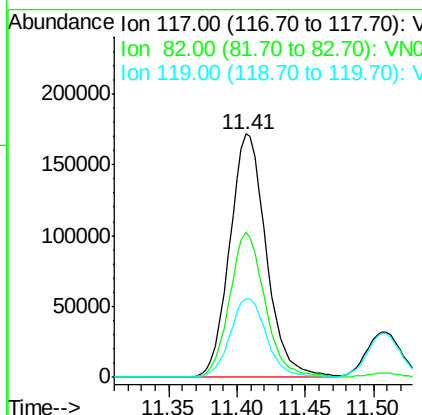
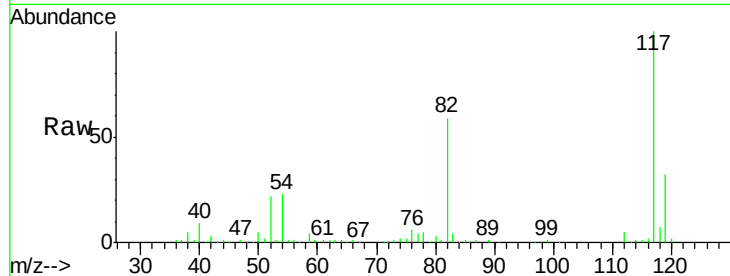
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.3	67.9
119	32.5	25.4	38.0

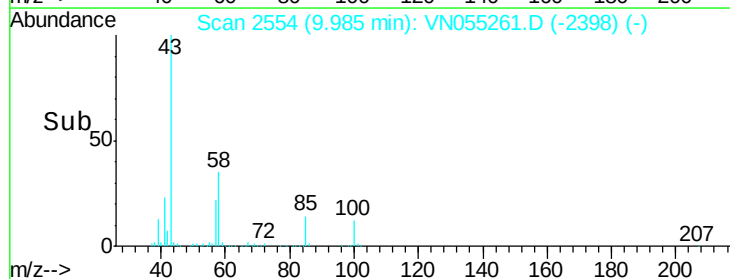
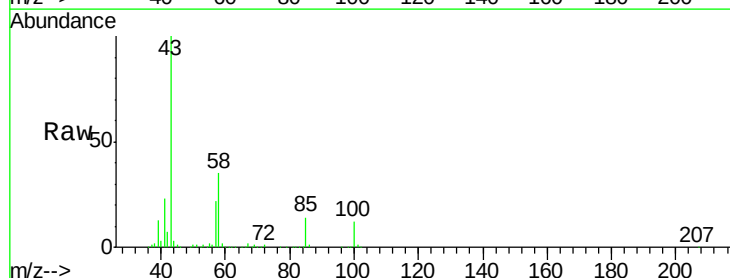
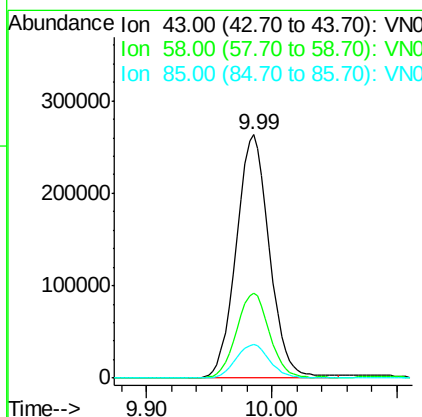
Manual Integrations
APPROVED

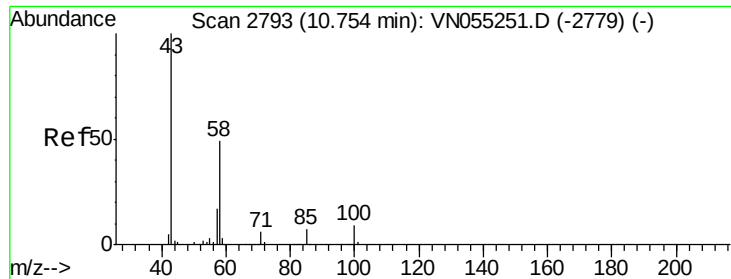
MMdadoda
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#58
4-Methyl-2-Pentanone
Concen: 96.582 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.6	43.0
85	14.1	11.4	17.2





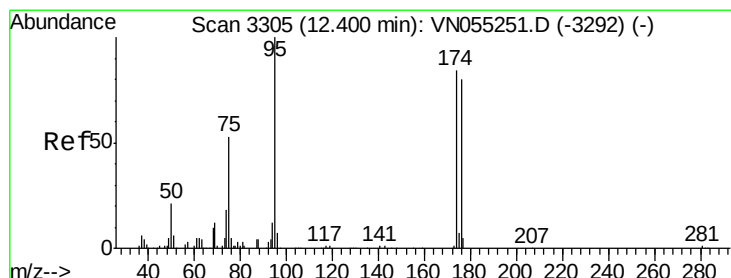
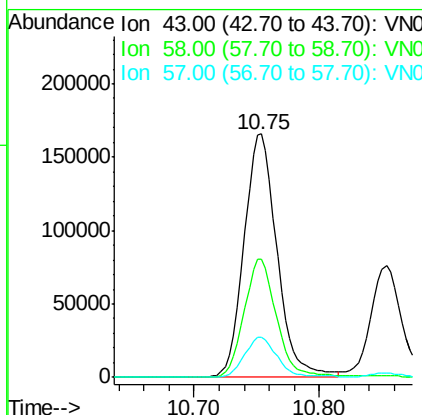
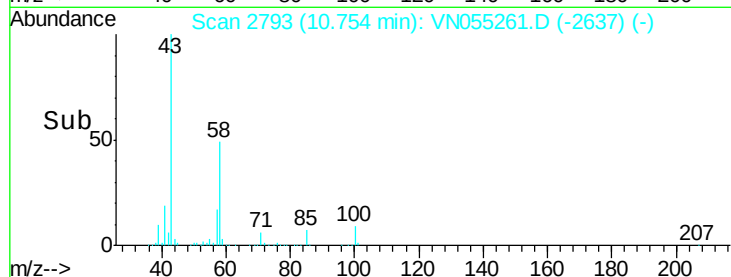
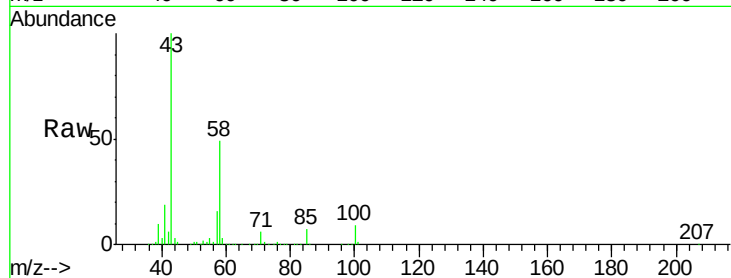
#59
2-Hexanone
Concen: 94.444 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.0	58.6
57	16.4	13.4	20.2

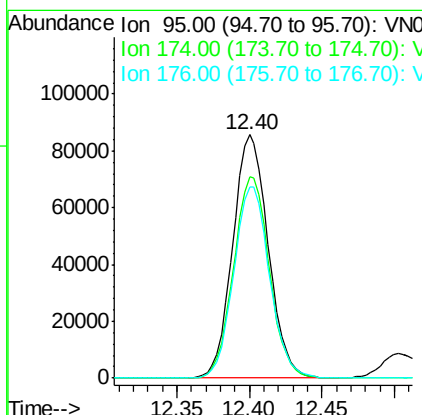
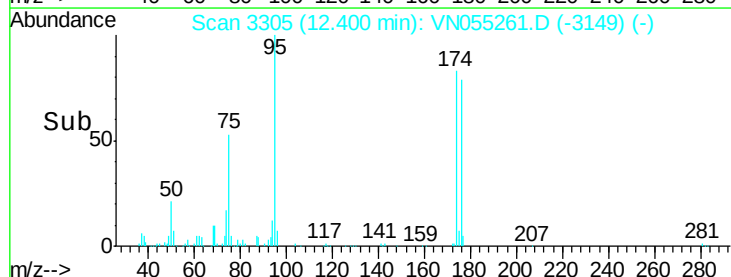
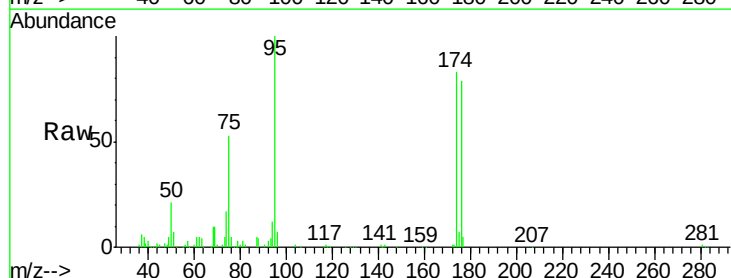
Manual Integrations
APPROVED

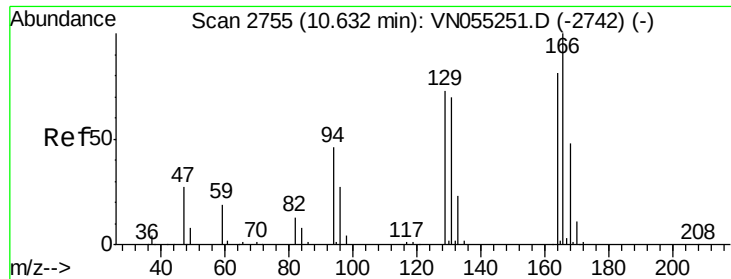
MMDadoda
4/26/2019 10:58:20 AM



#60
4-Bromofluorobenzene
Concen: 29.616 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	68.1	102.1
176	79.7	65.8	98.6





#61

Tetrachloroethene

Concen: 21.054 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion:164 Resp: 87246

Ion Ratio Lower Upper

164 100

166 130.2 98.6 147.8

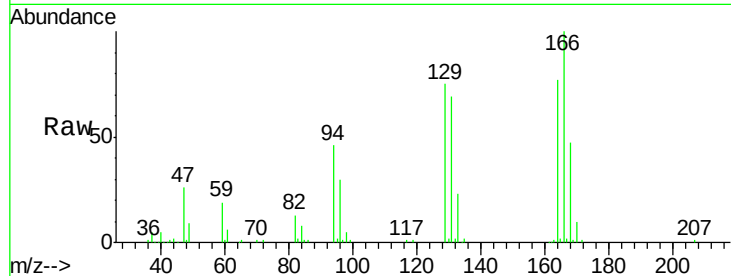
129 97.0 72.4 108.6

131 90.2 69.2 103.8

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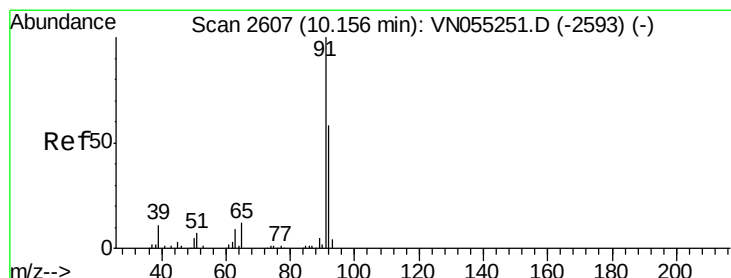
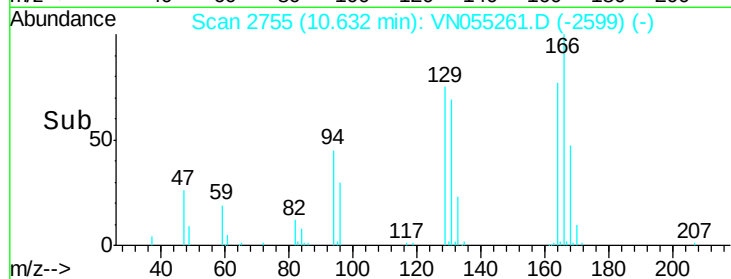
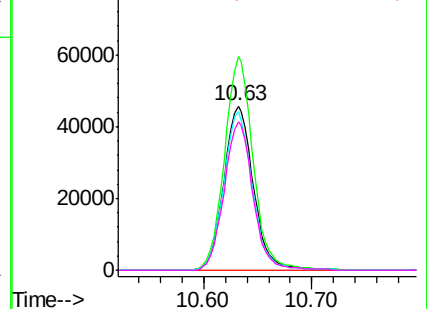


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.628 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055261.D

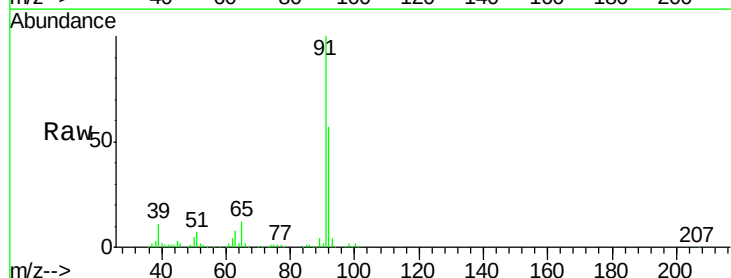
Acq: 25 Apr 2019 23:29

Tgt Ion: 91 Resp: 372706

Ion Ratio Lower Upper

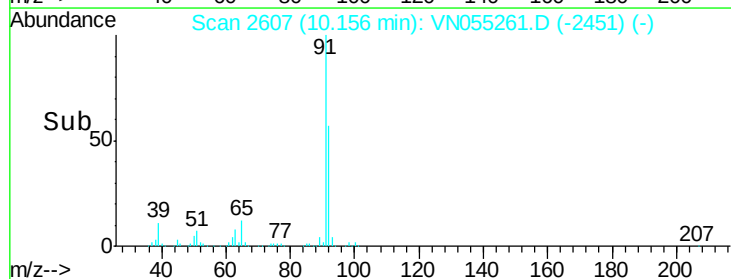
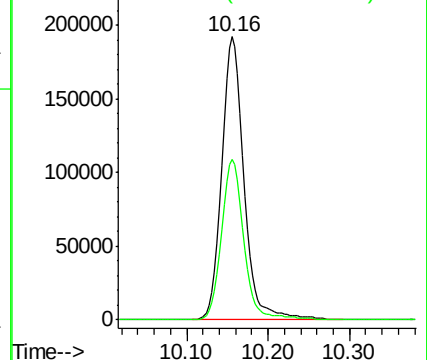
91 100

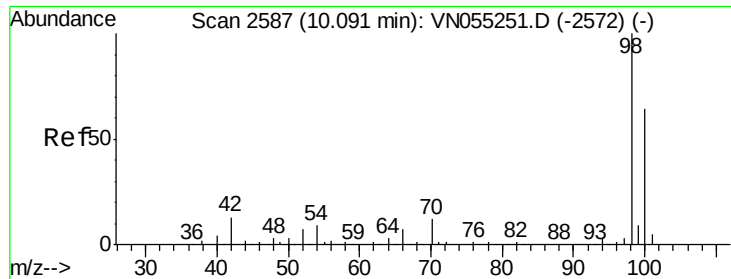
92 55.5 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.005 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 98 Resp: 470426

Ion Ratio Lower Upper

98 100

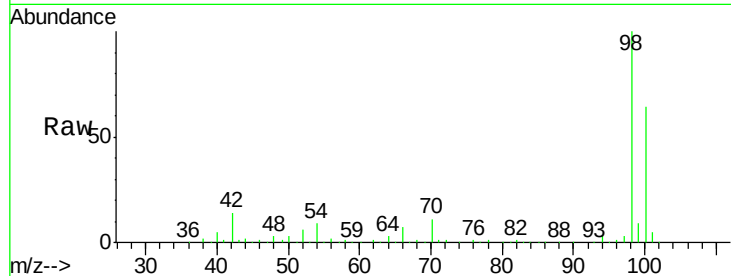
100 62.9 50.0 75.0

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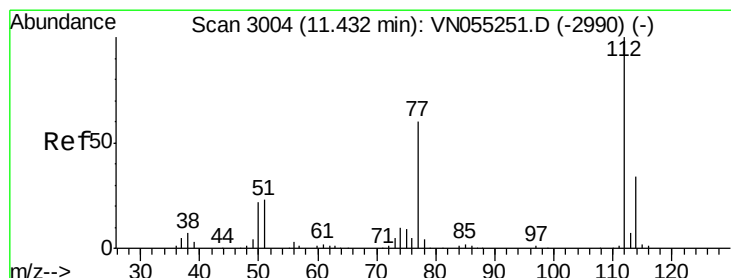
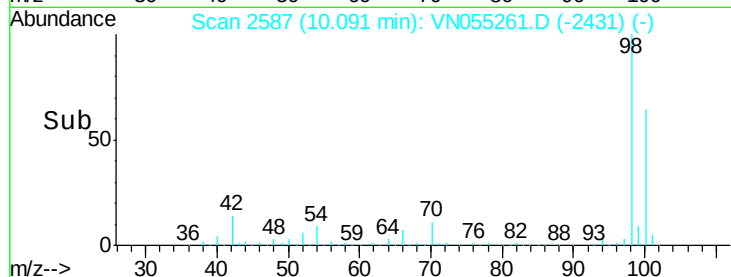
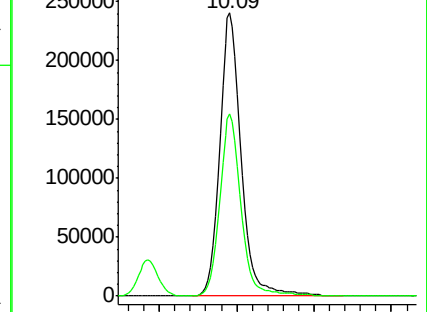
MMdadoda

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Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055251.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.145 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055261.D

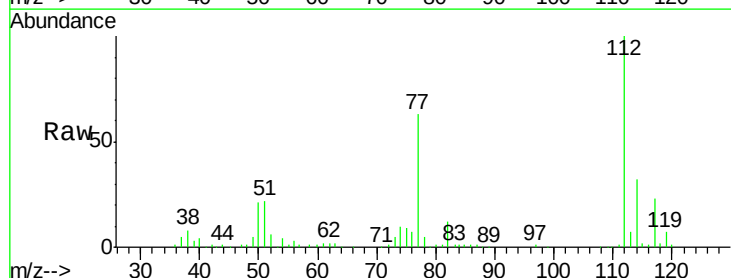
Acq: 25 Apr 2019 23:29

Tgt Ion: 112 Resp: 215633

Ion Ratio Lower Upper

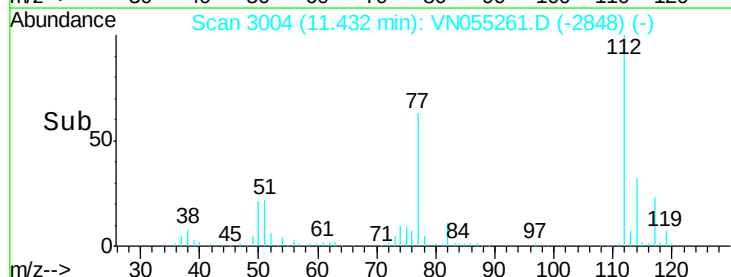
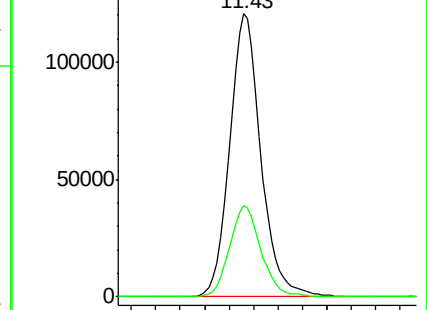
112 100

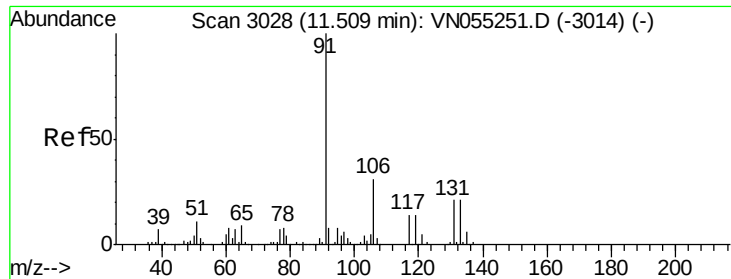
114 32.1 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055251.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN055251.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.907 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

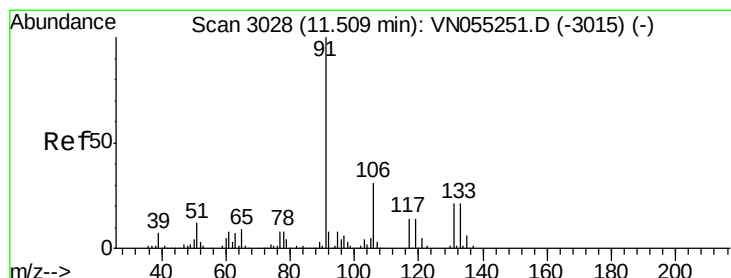
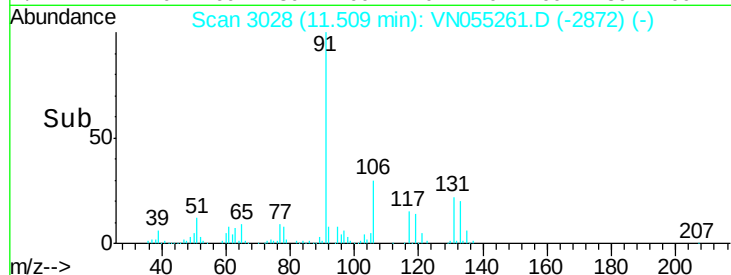
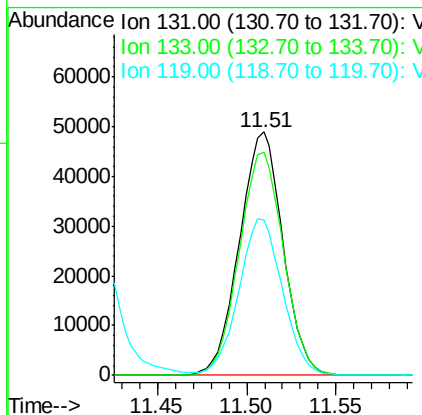
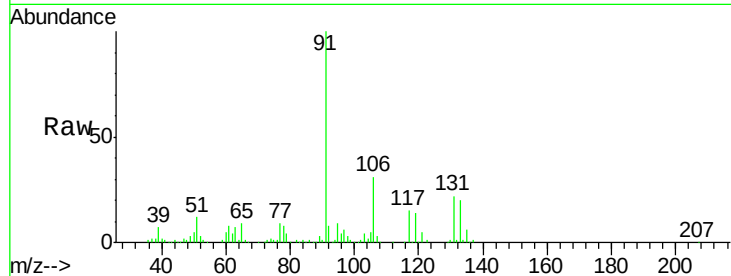
ClientSampleId :

VN0426WBSD01

Tot Ion:	131	Resp:	83478
Ion Ratio	Lower	Upper	
131	100		
133	93.4	0.0	195.6
119	64.6	0.0	135.0

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#66

Ethyl Benzene

Concen: 20.122 ug/l

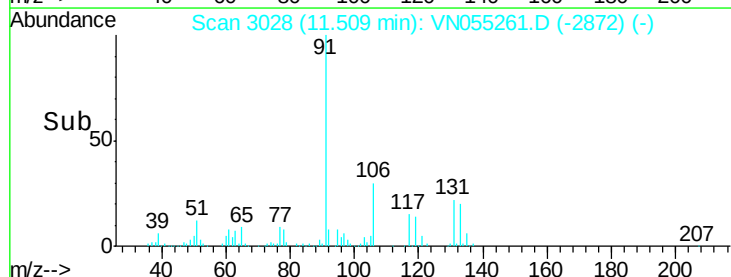
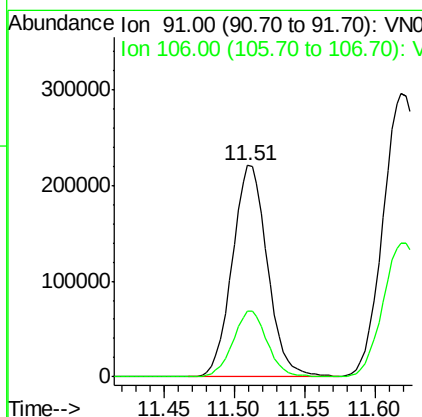
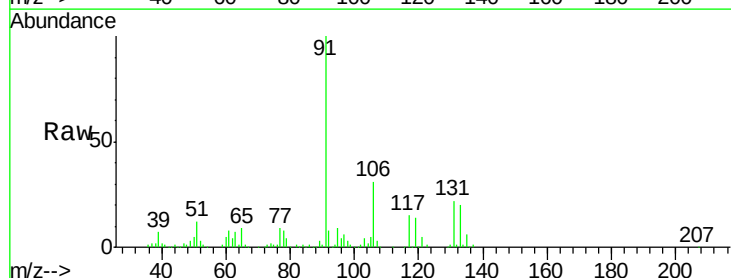
RT: 11.51 min Scan# 3028

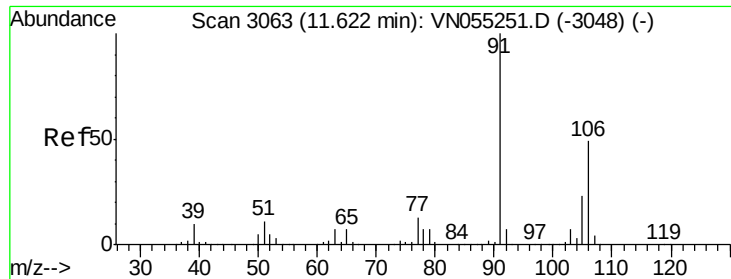
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	91	Resp:	386413
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.5	36.7





#67

m/p-Xylenes

Concen: 40.616 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion:106 Resp: 285625

Ion Ratio Lower Upper

106 100

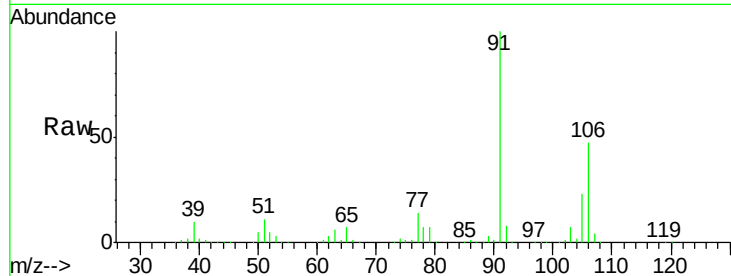
91 208.5 165.4 248.2

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

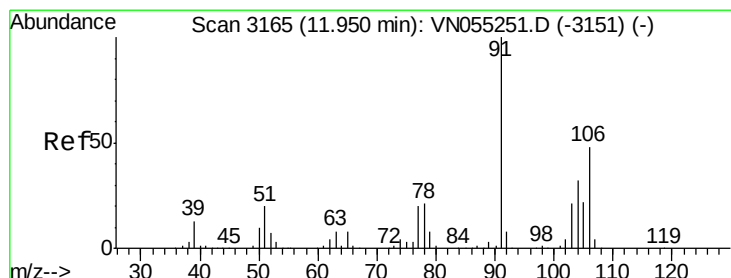
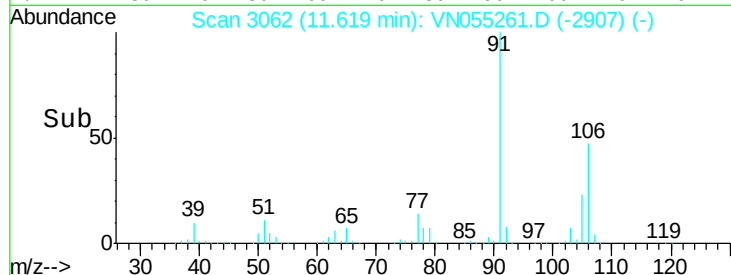
200000

100000

0

11.62

Time-->



#68

o-Xylene

Concen: 20.613 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055261.D

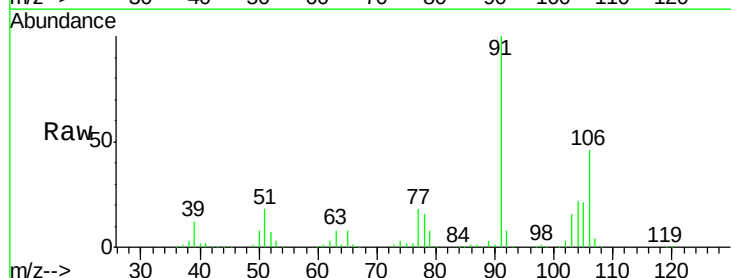
Acq: 25 Apr 2019 23:29

Tgt Ion:106 Resp: 144673

Ion Ratio Lower Upper

106 100

91 217.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

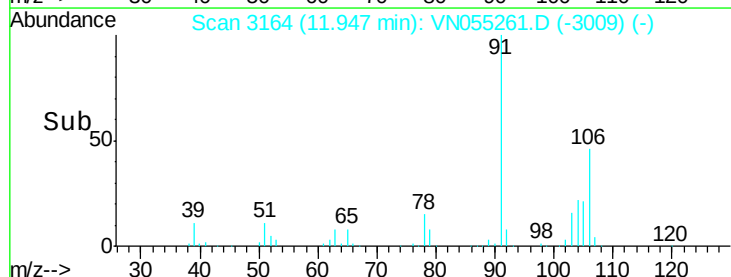
100000

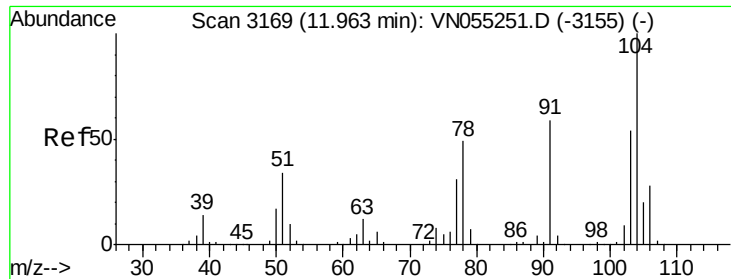
50000

0

11.95

Time-->





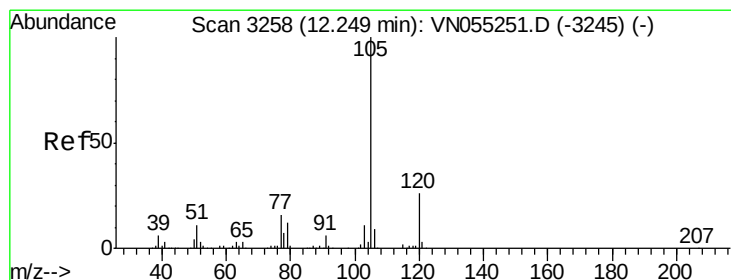
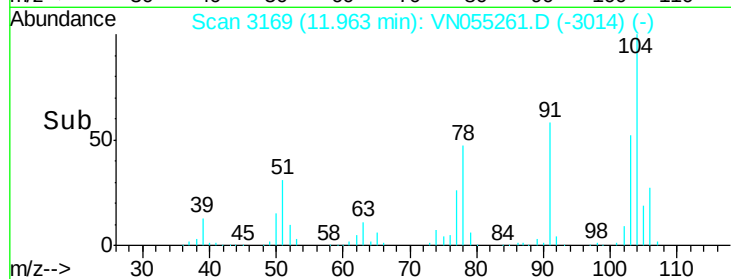
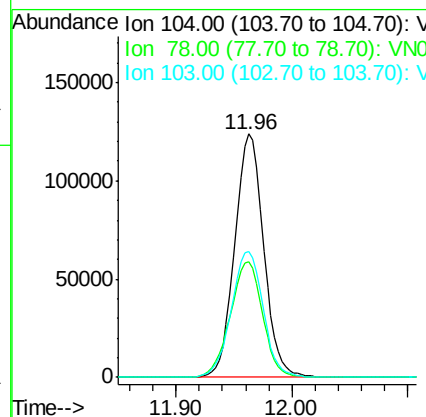
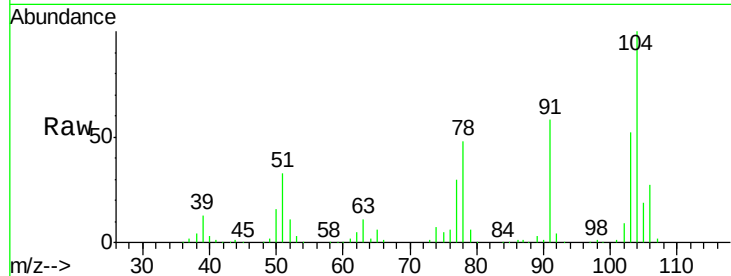
#69
Stvrene
Concen: 19.591 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampleId :
VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.4	63.6
103	57.0	45.3	67.9

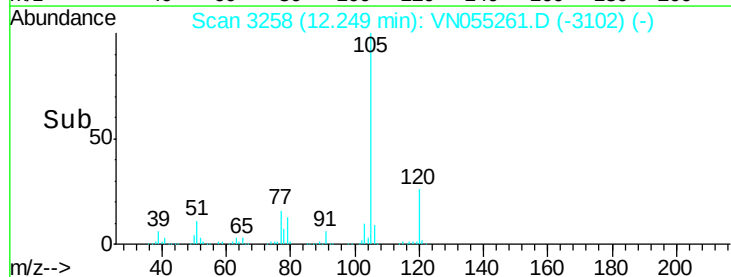
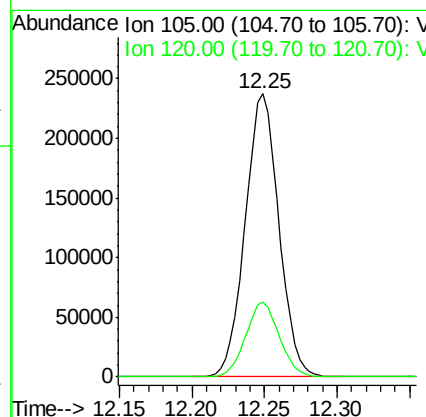
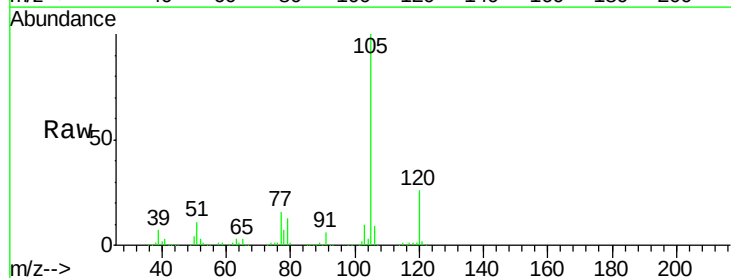
Manual Integrations
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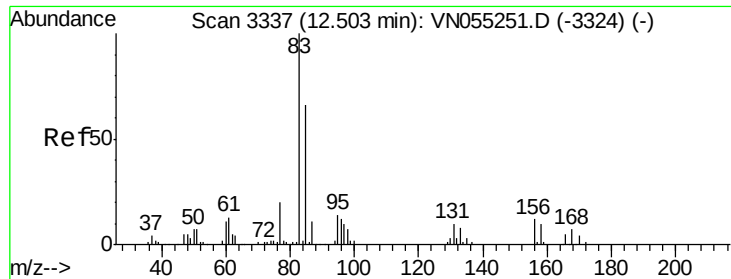
MMdadoda
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#70
Isopropylbenzene
Concen: 20.720 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.1	33.7





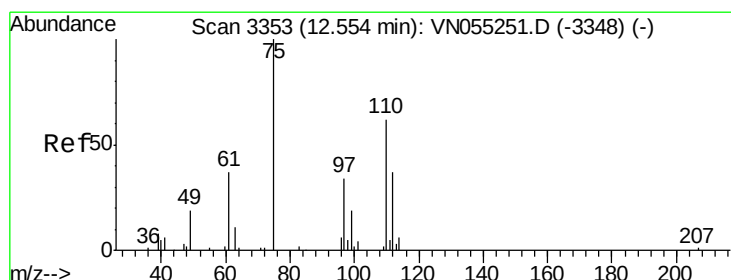
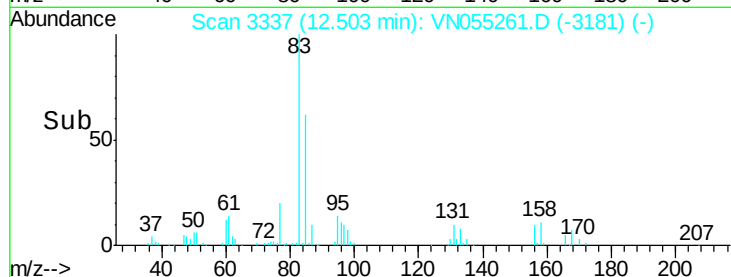
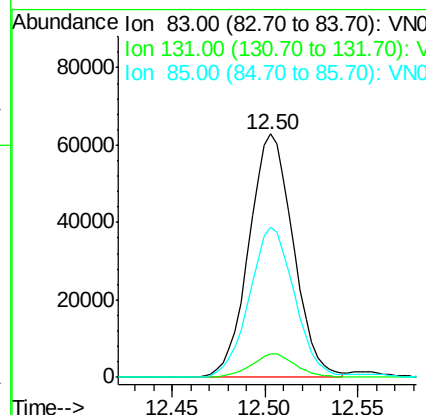
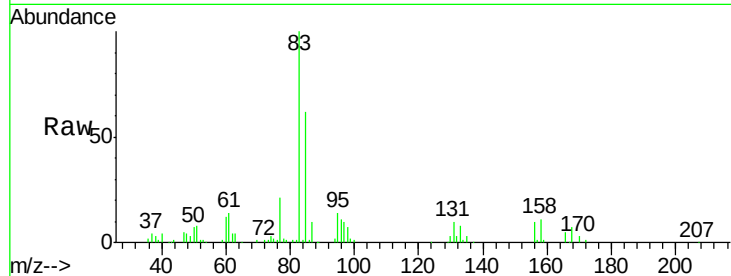
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.470 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.7	5.0	14.9	
85	62.7	32.3	96.8	

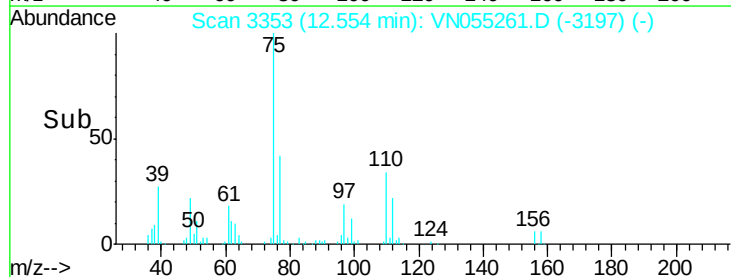
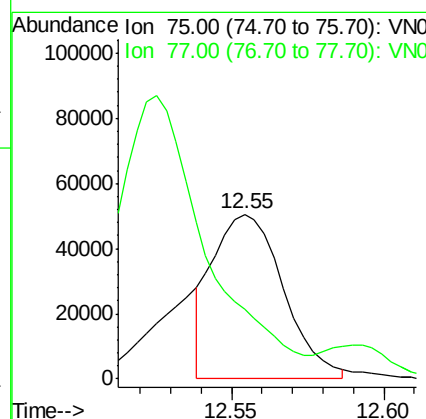
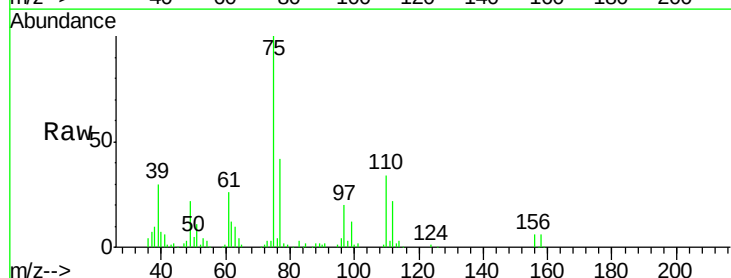
Manual Integrations
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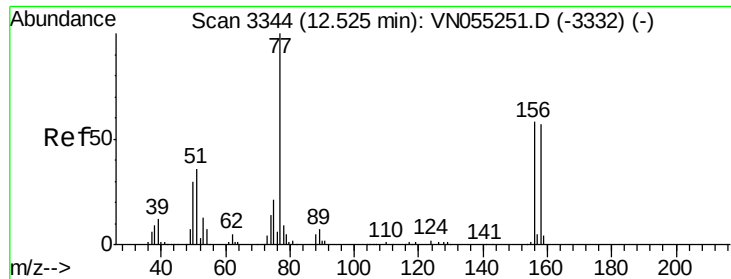
MMDadoda
 4/26/2019 10:58:20 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.503 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	218.2	0.0	410.2	





#73

Bromobenzene

Concen: 19.330 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

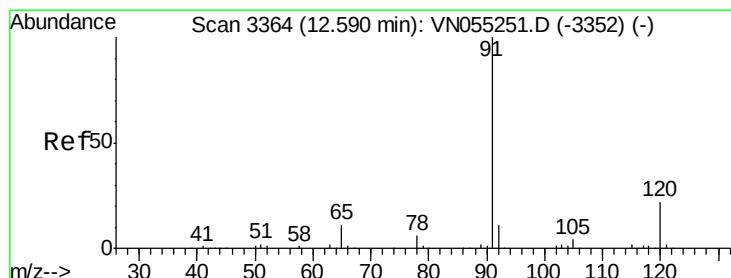
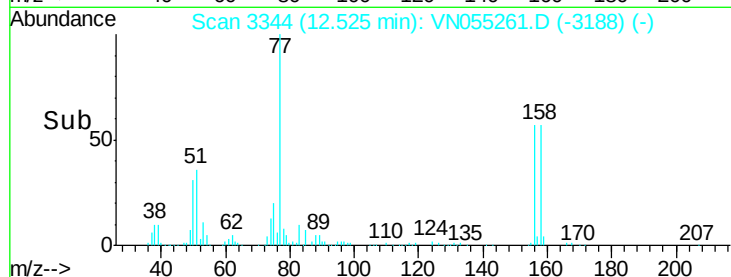
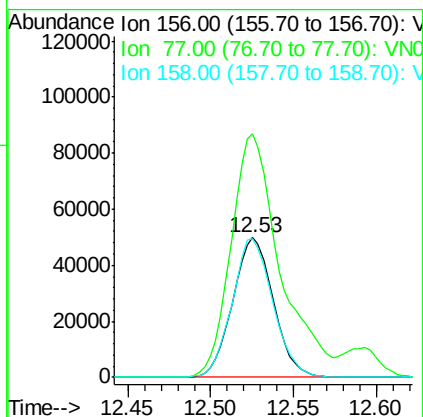
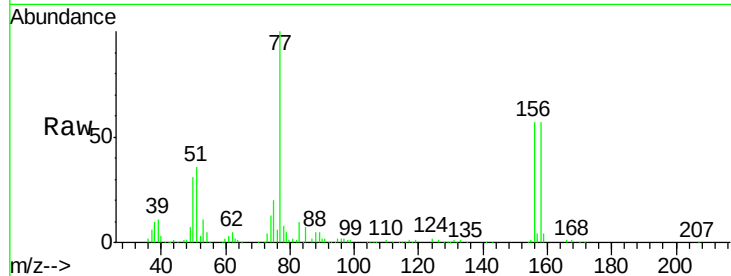
ClientSampleId :

VN0426WBSD01

Tot Ion:	156	Resp:	84891
Ion	Ratio	Lower	Upper
156	100		
77	210.0	0.0	403.2
158	99.8	0.0	195.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.750 ug/l

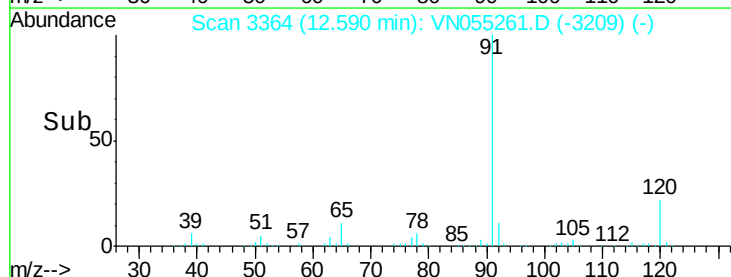
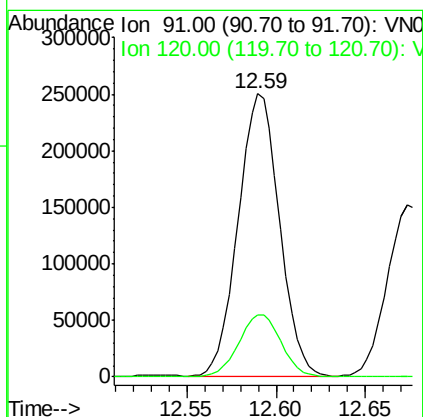
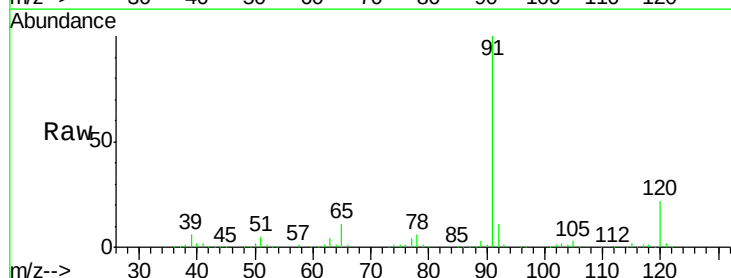
RT: 12.59 min Scan# 3364

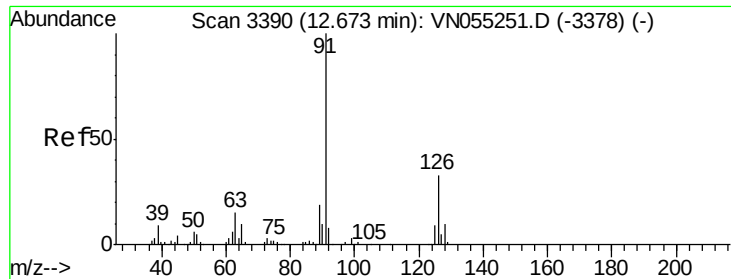
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	91	Resp:	407204
Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.314 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion: 91 Resp: 256911

Ion Ratio Lower Upper

91 100

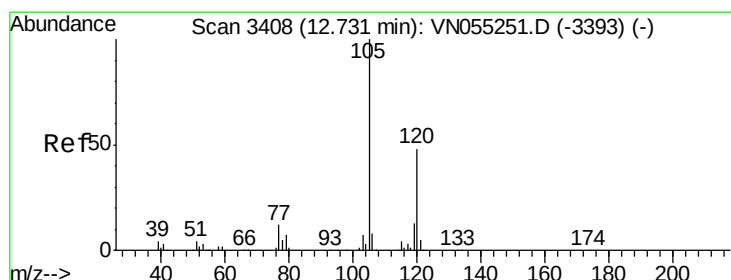
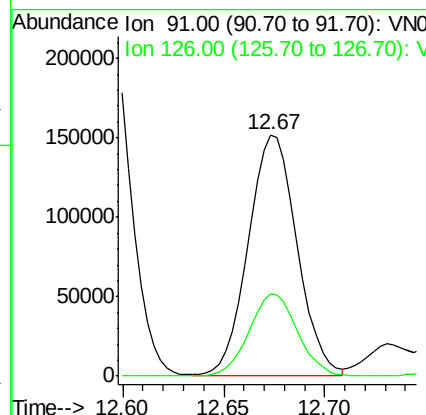
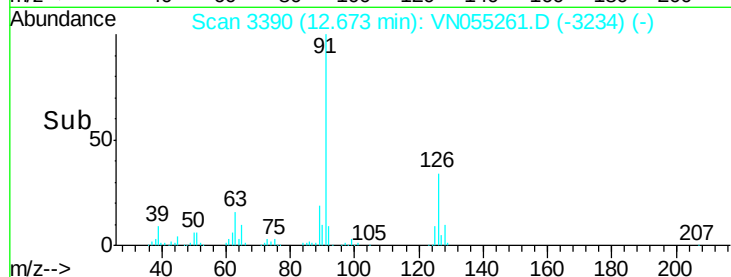
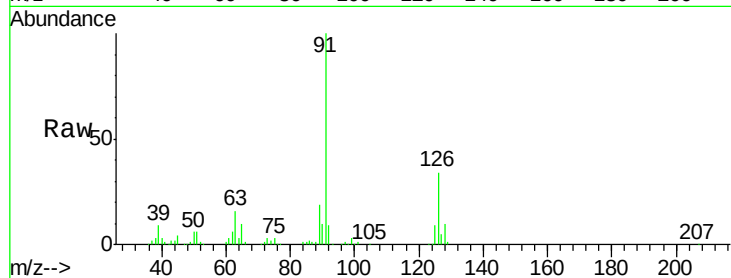
126 33.8 0.0 65.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.834 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055261.D

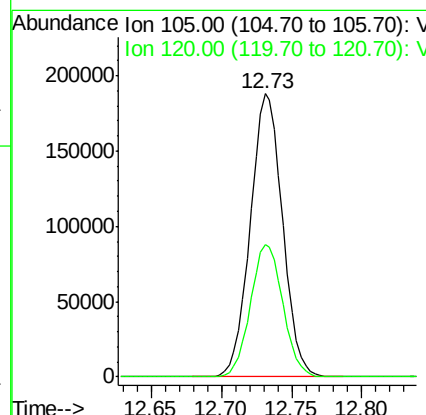
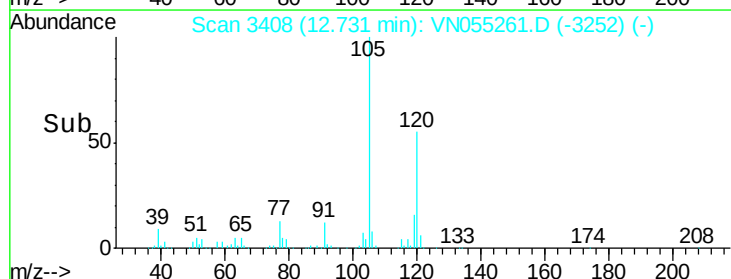
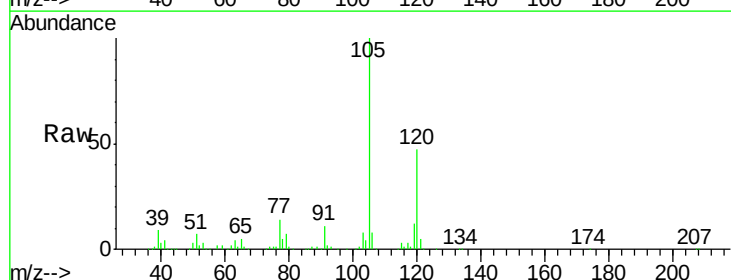
Acq: 25 Apr 2019 23:29

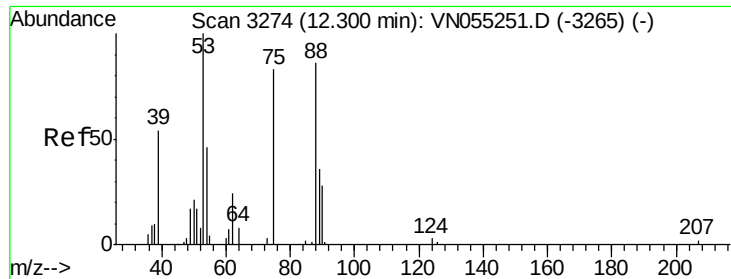
Tgt Ion: 105 Resp: 300710

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.370 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

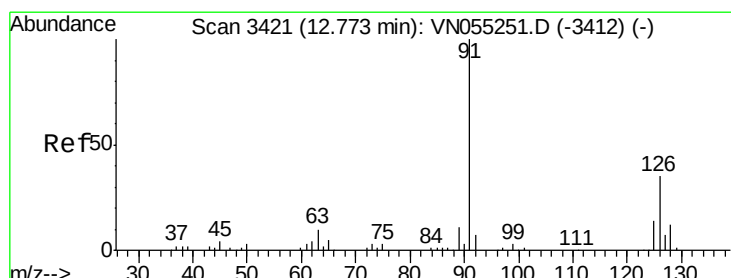
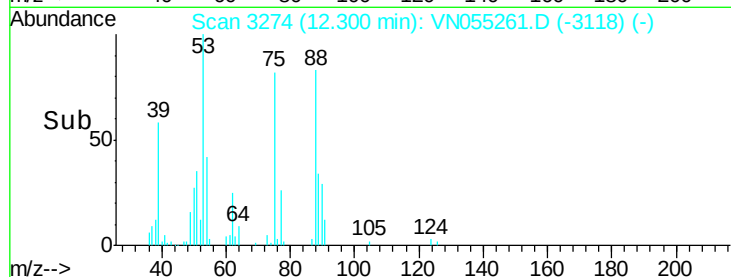
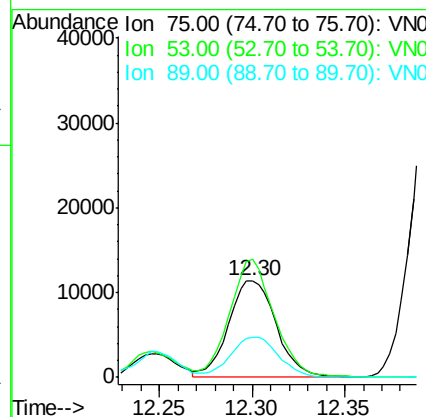
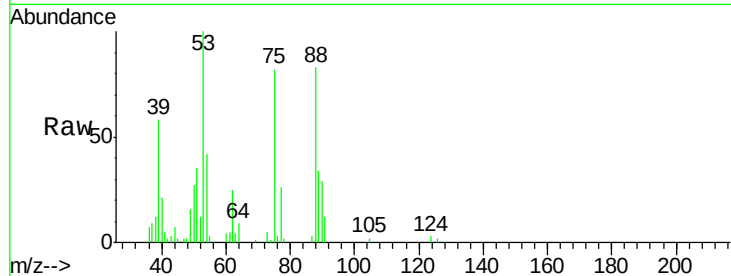
ClientSampleId :

VN0426WBSD01

Tot Ion:	75	Resp:	20407
Ion	Ratio	Lower	Upper
75	100		
53	120.5	59.5	178.5
89	41.5	23.1	69.2

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#78

4-Chlorotoluene

Concen: 19.383 ug/l

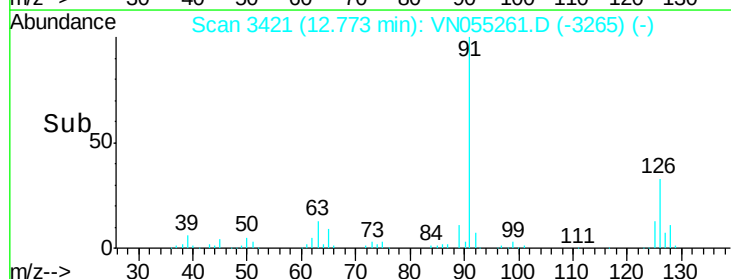
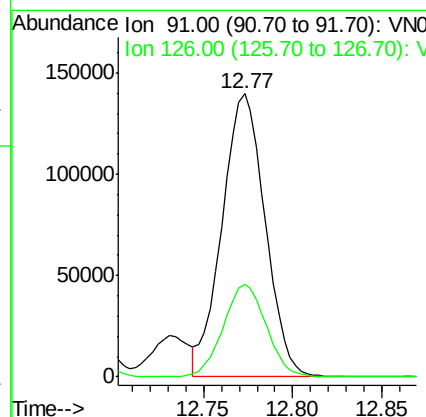
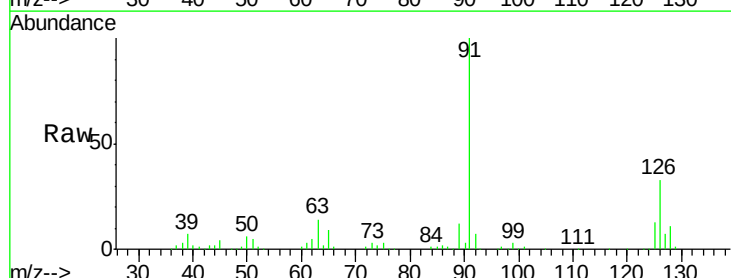
RT: 12.77 min Scan# 3421

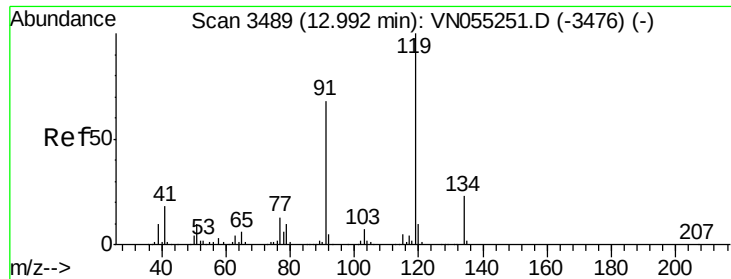
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	91	Resp:	233036
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	66.8





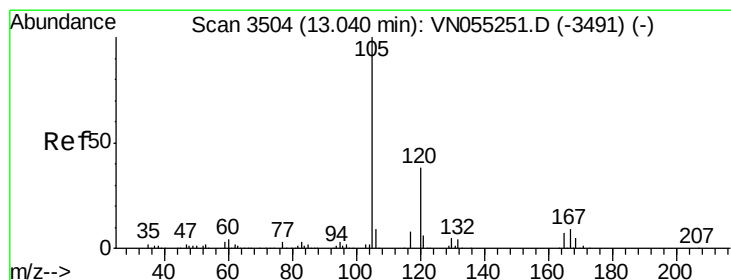
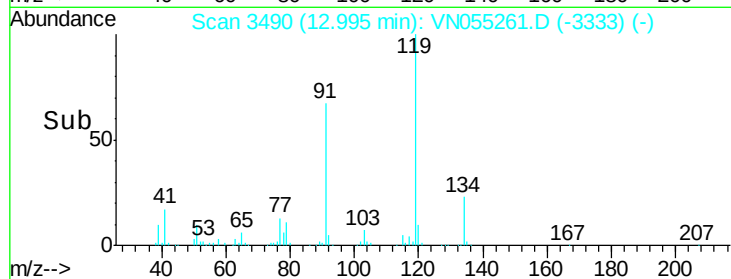
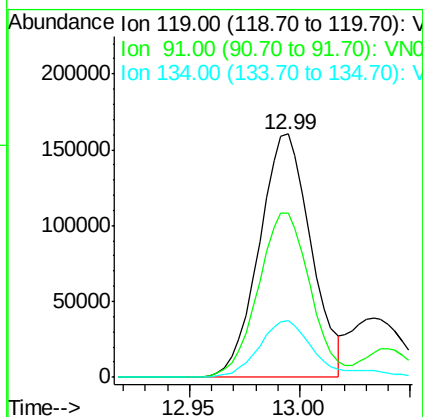
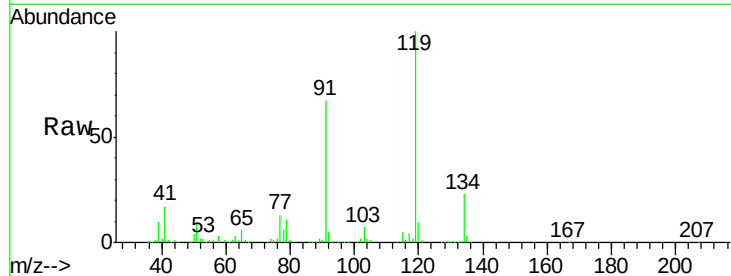
#79
tert-butylbenzene
Concen: 19.996 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Instrument :
MSVOA_N
ClientSampled :
VN0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	261143		
91	68.2	0.0	135.6	
134	23.4	0.0	47.8	

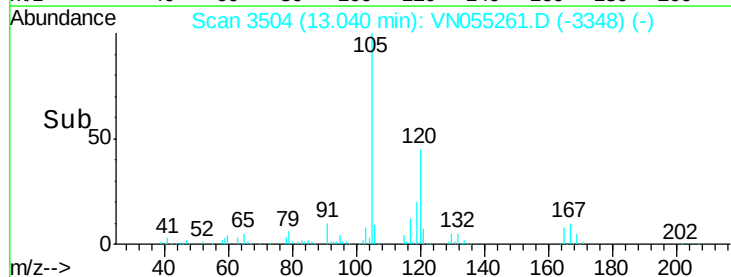
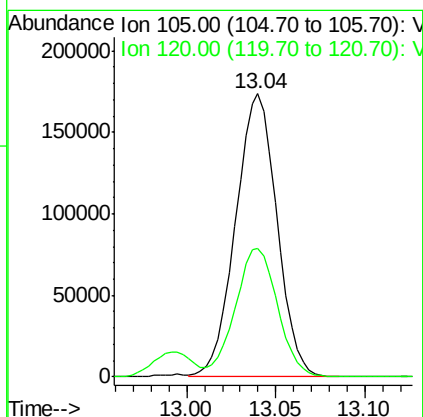
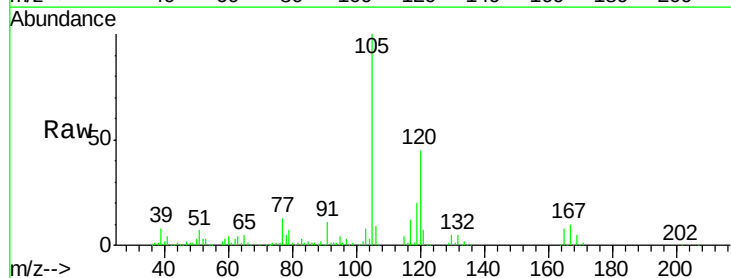
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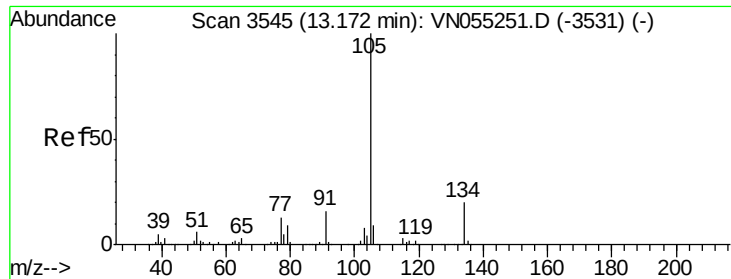
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#80
1,2,4-Trimethylbenzene
Concen: 19.133 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055261.D
Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279694		
120	46.3	0.0	88.6	





#81

sec-Butylbenzene

Concen: 19.621 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

ClientSampleId :

VN0426WBSD01

Tot Ion:105 Resp: 338728

Ion Ratio Lower Upper

105 100

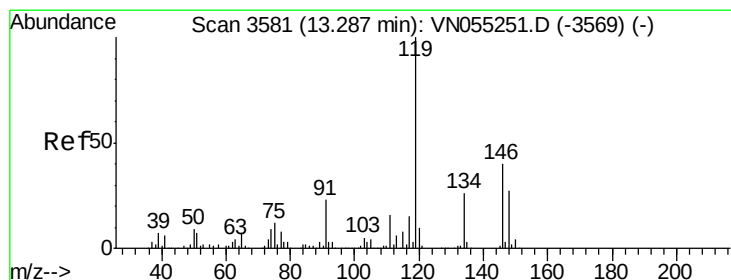
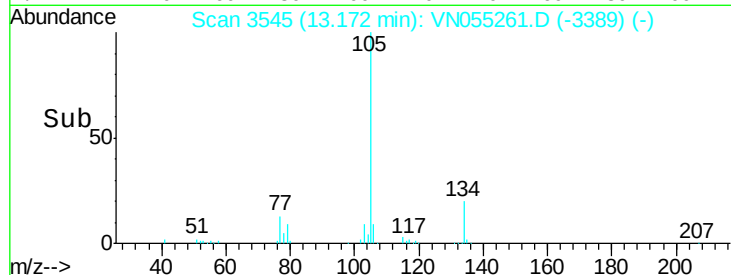
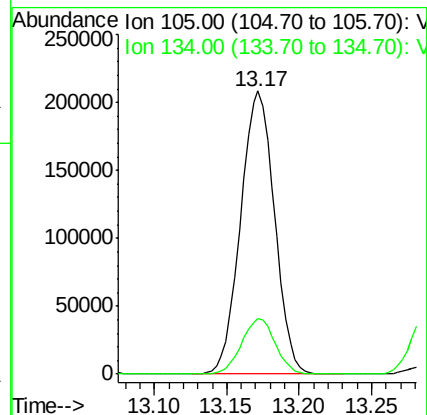
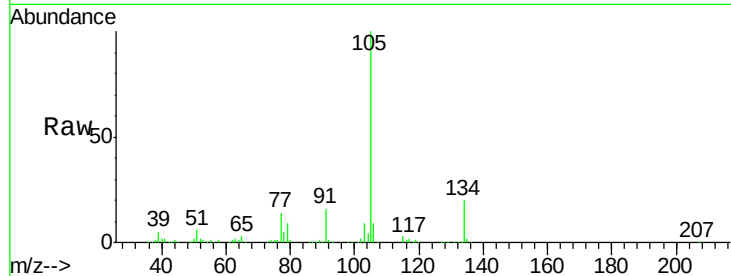
134 19.4 0.0 39.8

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#82

p-Isopropyltoluene

Concen: 18.721 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

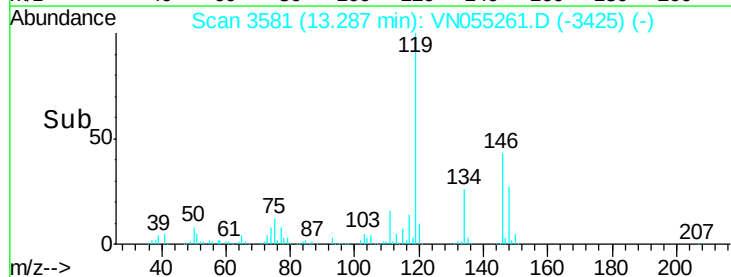
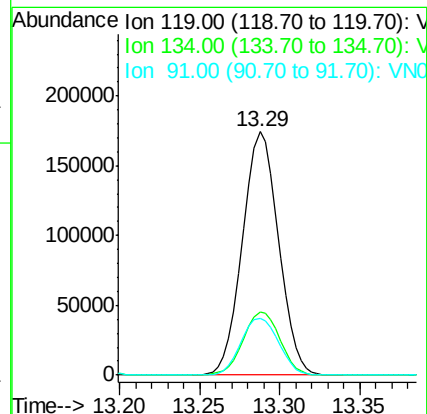
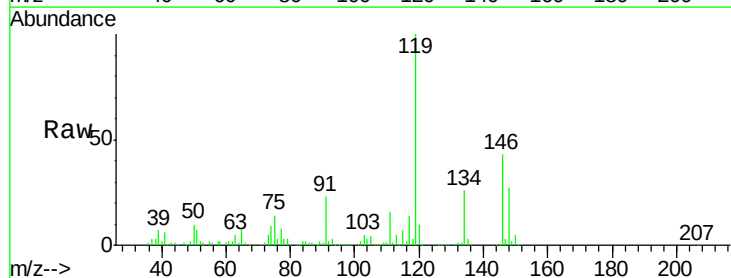
Tgt Ion:119 Resp: 268093

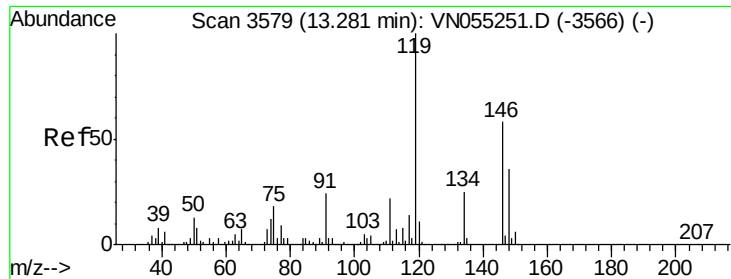
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.2

91 24.3 0.0 47.6





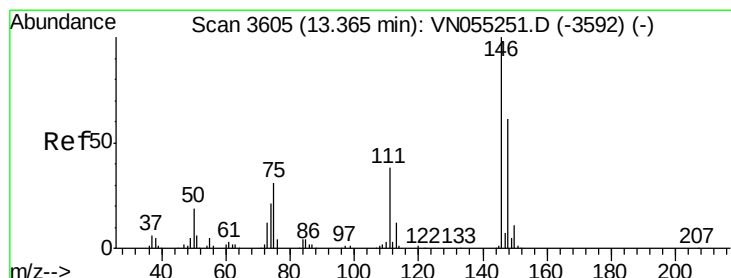
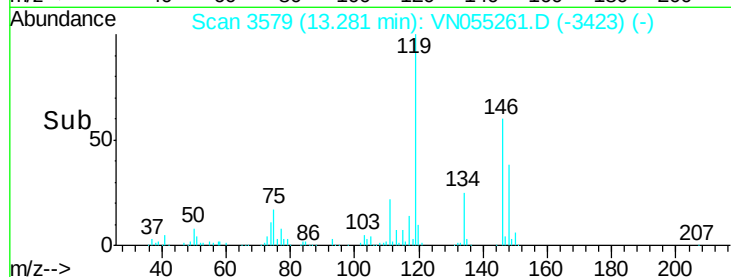
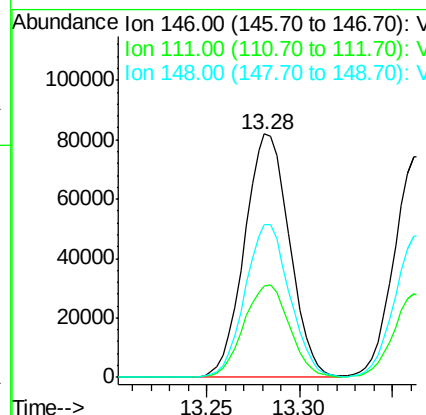
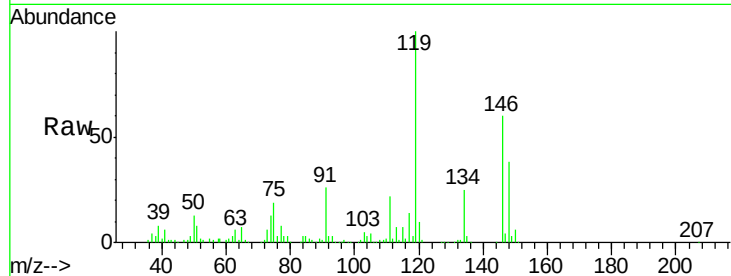
#83
 1,3-Dichlorobenzene
 Concen: 19.341 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0426WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.7
148	62.4	32.8	98.3

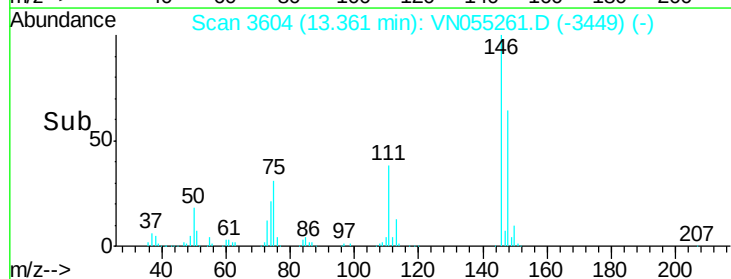
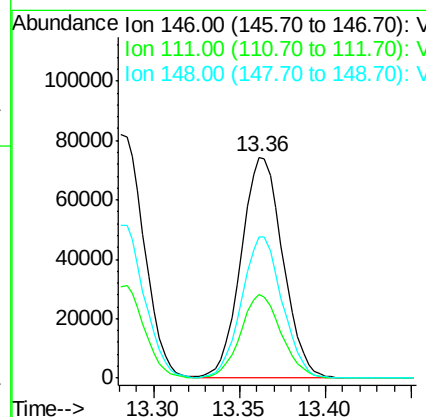
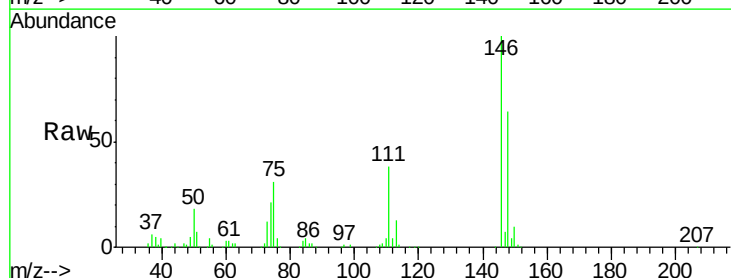
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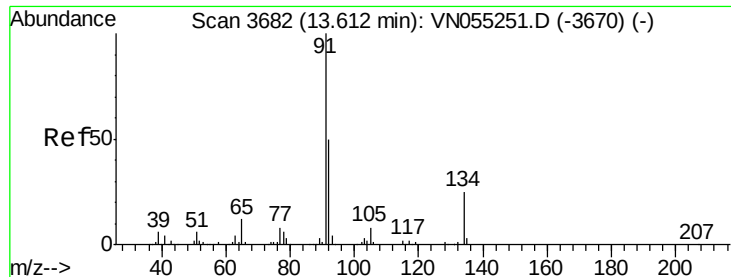
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#84
 1,4-Dichlorobenzene
 Concen: 18.585 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055261.D
 Acq: 25 Apr 2019 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	62.6	31.4	94.3





#85

n-Butylbenzene

Concen: 16.452 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

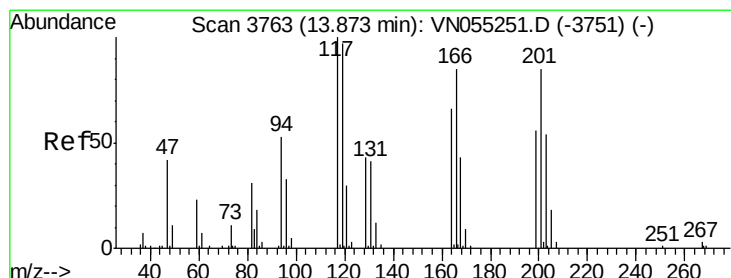
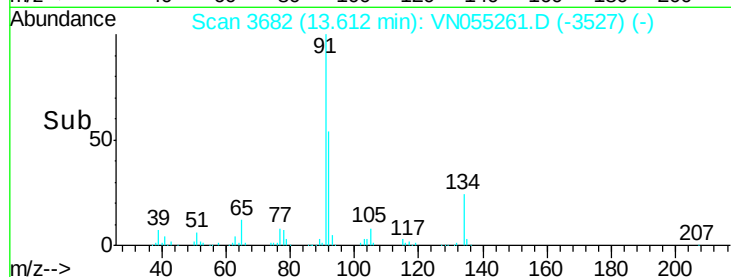
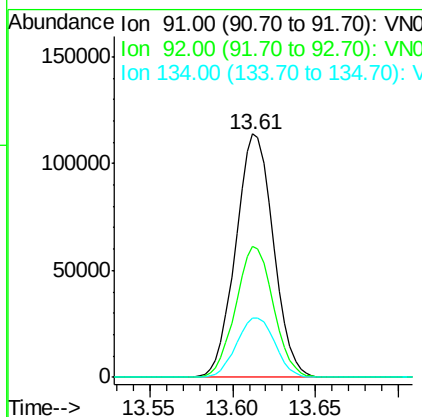
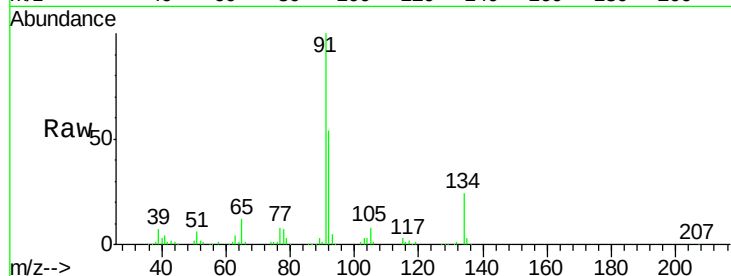
ClientSampleId :

VN0426WBSD01

Tot Ion:	91	Resp:	179638
Ion Ratio	Lower	Upper	
91	100		
92	53.8	0.0	102.8
134	25.0	0.0	50.0

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#86

Hexachloroethane

Concen: 19.506 ug/l

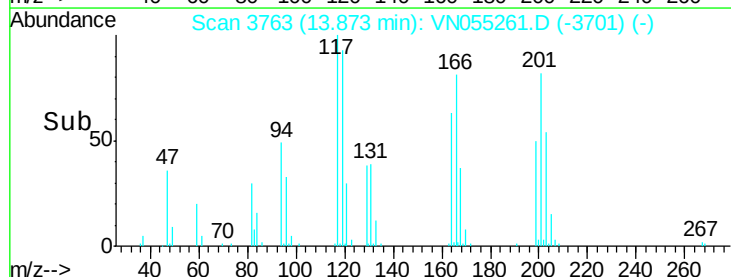
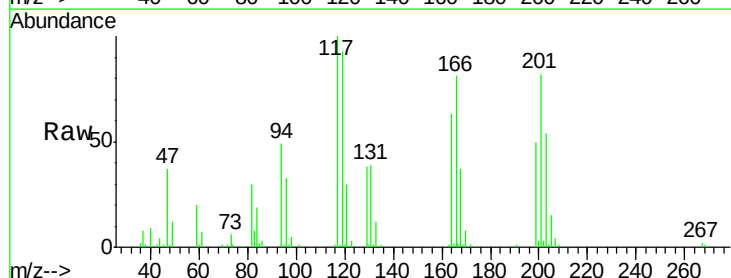
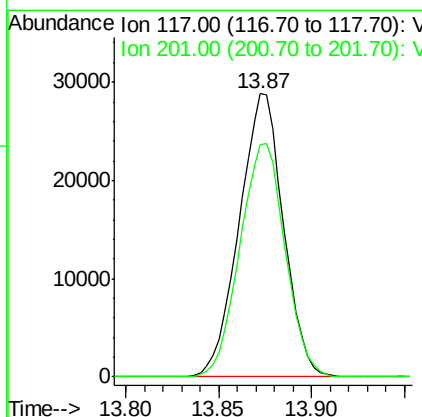
RT: 13.87 min Scan# 3763

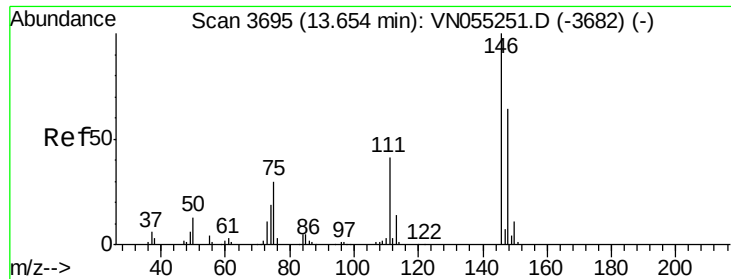
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	117	Resp:	47651
Ion Ratio	Lower	Upper	
117	100		
201	84.3	44.5	133.7





#87

1,2-Dichlorobenzene

Concen: 19.564 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

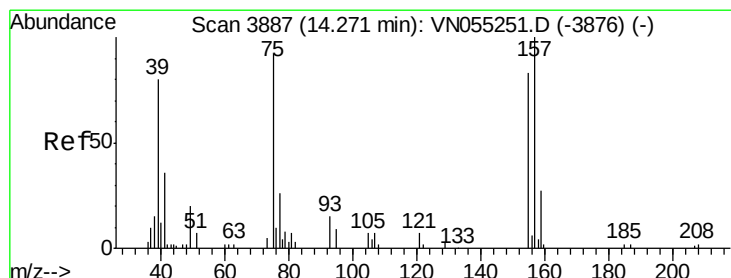
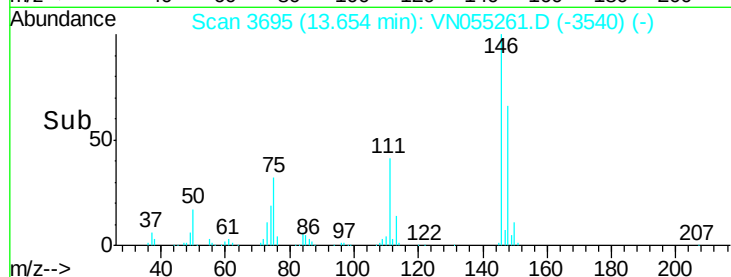
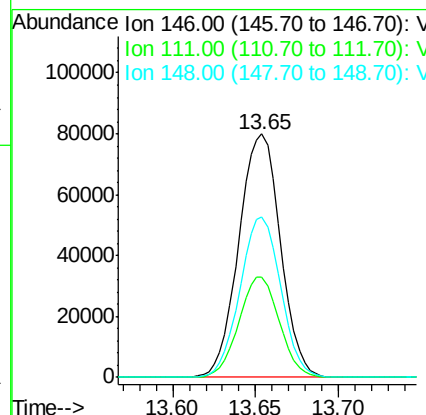
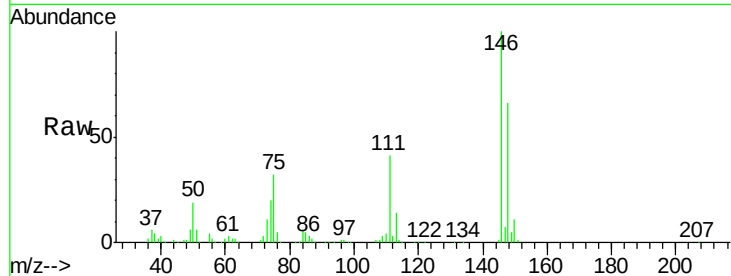
ClientSampleId :

VN0426WBSD01

Tot Ion:	146	Resp:	139464
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.8	62.2
148	64.6	31.9	95.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.829 ug/l

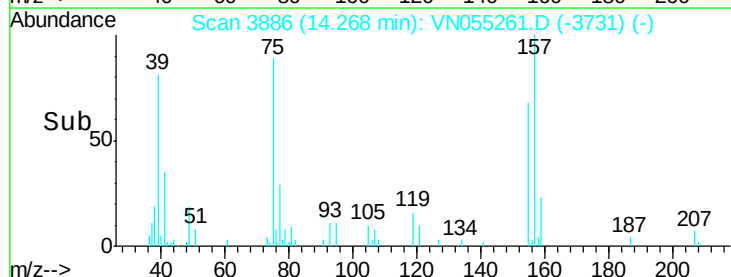
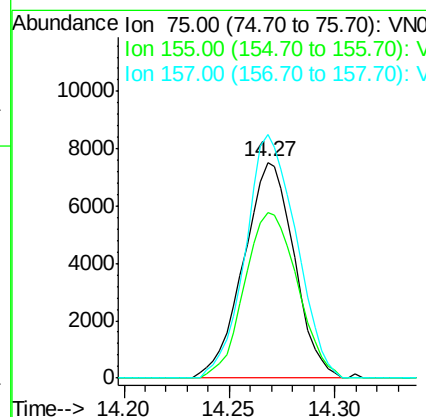
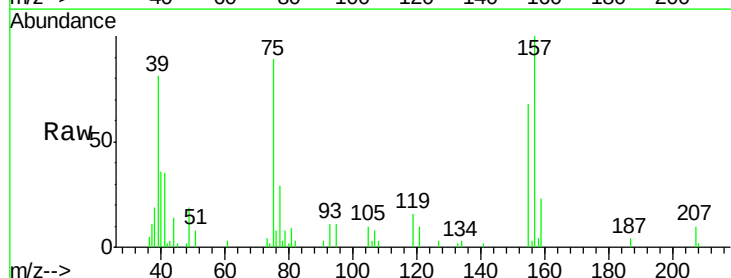
RT: 14.27 min Scan# 3886

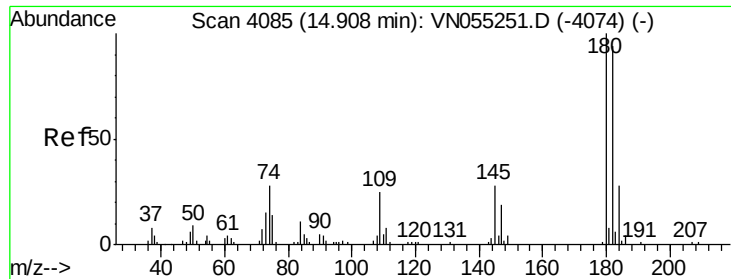
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	75	Resp:	12543
Ion Ratio	Lower	Upper	
75	100		
155	80.5	70.4	105.6
157	113.6	88.5	132.7





#89

1,2,4-Trichlorobenzene

Concen: 14.580 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

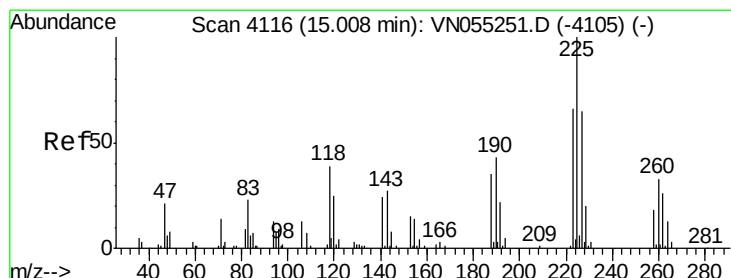
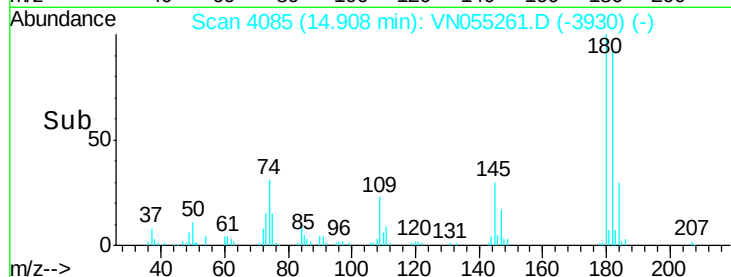
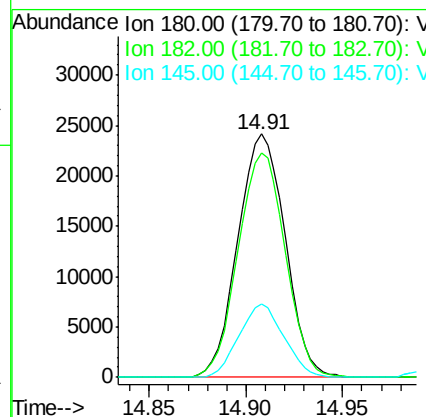
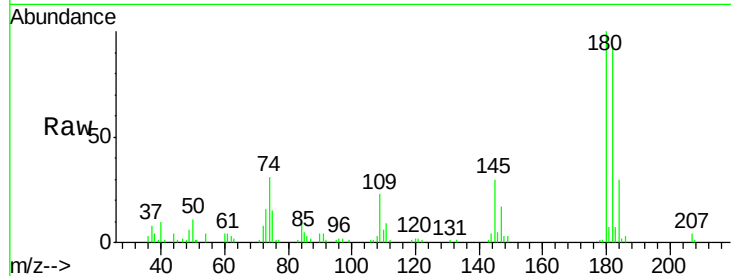
ClientSampleId :

VN0426WBSD01

Tot Ion:	180	Resp:	41126
Ion Ratio	Lower	Upper	
180	100		
182	91.9	74.8	112.2
145	28.6	23.2	34.8

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#90

Hexachlorobutadiene

Concen: 18.023 ug/l

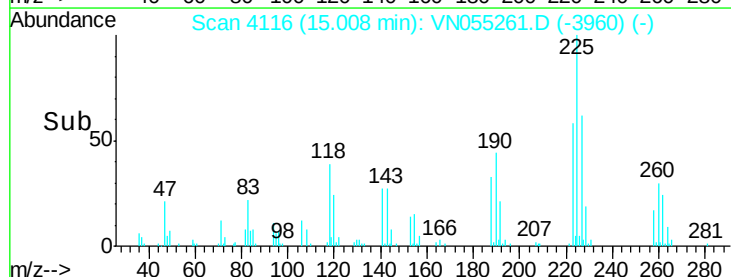
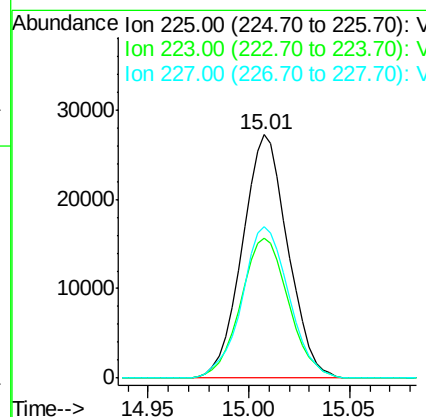
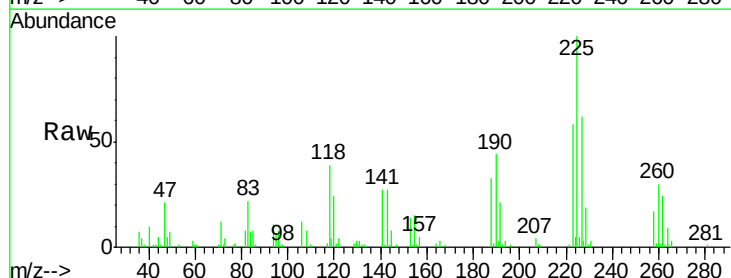
RT: 15.01 min Scan# 4116

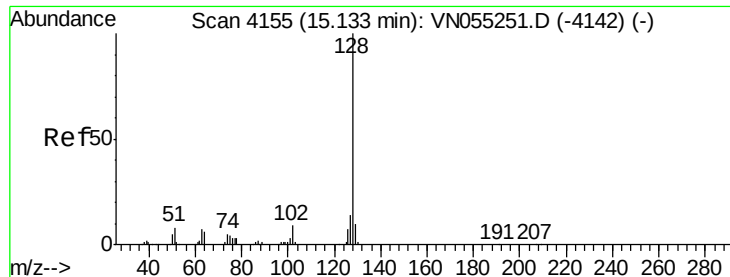
Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	225	Resp:	43043
Ion Ratio	Lower	Upper	
225	100		
223	60.4	0.0	125.2
227	63.9	0.0	128.4





#91

Naphthalene

Concen: 13.540 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Instrument :

MSVOA_N

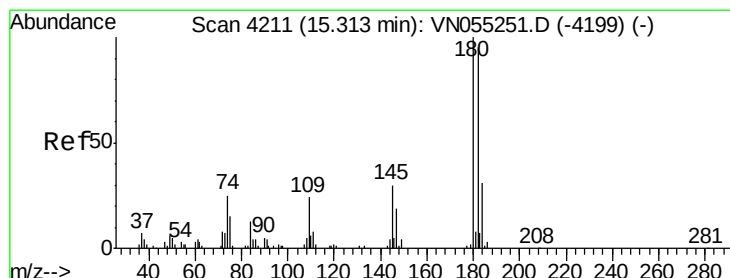
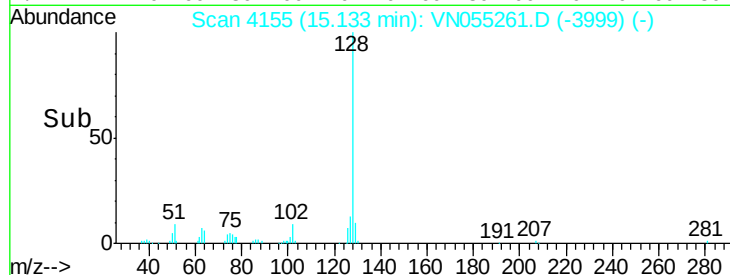
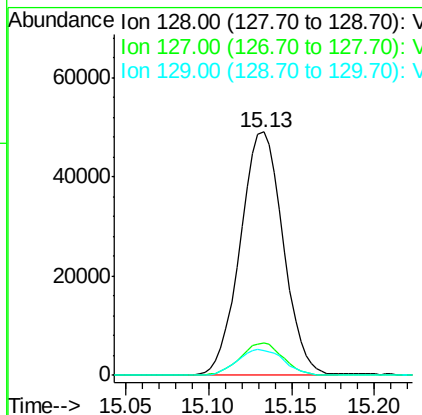
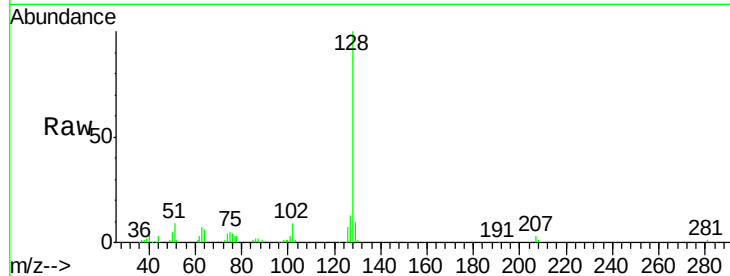
ClientSampleId :

VN0426WBSD01

Tot Ion:	128	Resp:	88249
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.4	8.0	12.0

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#92

1,2,3-Trichlorobenzene

Concen: 14.938 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055261.D

Acq: 25 Apr 2019 23:29

Tgt Ion:	180	Resp:	43960
Ion Ratio	Lower	Upper	
180	100		
182	100.2	0.0	188.0
145	31.3	0.0	60.0

