

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051476.D
 Acq On : 25 Sep 2018 10:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:28 AM

Quant Time: Sep 26 01:48:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	624888	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	567418	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	229617	28.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.10%
60) 4-Bromofluorobenzene	12.40	95	266309	31.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.57%
63) Toluene-d8	10.09	98	791833	29.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	708798	142.989	ug/l 99
3) Chloromethane	2.06	50	1297480	152.235	ug/l 97
4) Vinyl Chloride	2.18	62	1430829	157.336	ug/l 100
5) Bromomethane	2.55	94	913775	153.737	ug/l 87
6) Chloroethane	2.70	64	900426	160.632	ug/l 99
7) Trichlorofluoromethane	3.01	101	1940880	164.422	ug/l 95
8) Diethyl Ether	3.41	74	584507	164.694	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	960422	160.223	ug/l # 41
10) 1,1-Dichloroethene	3.73	96	917543	168.044	ug/l 97
11) Methyl Iodide	3.95	142	1500215	186.325	ug/l 96
12) Methyl Acetate	4.32	43	795824	165.828	ug/l 91
13) Acrolein	3.61	56	599169	936.308	ug/l 90
14) Acrylonitrile	4.99	53	1730792	887.838	ug/l # 60
15) Acetone	3.82	58	384942	801.749	ug/l 96
16) Carbon Disulfide	4.05	76	2806300	162.038	ug/l 97
17) Allyl chloride	4.32	41	1693575	175.704	ug/l 98
18) Methylene Chloride	4.55	84	1055905	161.930	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	1004528	169.953	ug/l 98
20) Diisopropyl ether	5.95	45	3367897	175.975	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	1928222	167.260	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	1154304	174.526	ug/l 96
23) tert-Butyl Alcohol	4.79	59	332025	904.434	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	2657719	178.717	ug/l # 64
25) Chloroform	7.37	83	1912047	166.287	ug/l 96
26) Cyclohexane	7.65	56	1790934	182.474	ug/l 97
29) 1,1-Dichloropropene	7.79	75	1533915	174.337	ug/l 100
30) 2-Butanone	6.84	43	1935843	851.768	ug/l # 99
31) 2,2-Dichloropropane	6.83	77	1576623	167.991	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	1691769	168.425	ug/l 98
33) Carbon Tetrachloride	7.78	117	1560035	169.264	ug/l 92
34) Benzene	8.04	78	4408899	168.780	ug/l # 61
35) Methacrylonitrile	7.17	41	543973	166.094	ug/l 90
36) 1,2-Dichloroethane	8.13	62	1407985	165.532	ug/l 98
37) Trichloroethene	8.84	130	1170856	169.114	ug/l 99
38) Methylcyclohexane	9.08	83	1885609	184.874	ug/l 92
39) 1,2-Dichloropropane	9.12	63	1187652	167.130	ug/l 97
40) Dibromomethane	9.21	93	675374	166.983	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1513432	170.196	ug/l	95
42) Vinyl Acetate	5.90	43	11556410	914.441	ug/l	98
43) Ethyl Acetate	6.93	43	883307	186.792	ug/l	99
44) Isopropyl Acetate	8.17	43	1626656	178.854	ug/l	99
45) 1,4-Dioxane	9.20	88	197773	3574.362	ug/l	91
46) Methyl methacrylate	9.20	41	843271	187.232	ug/l	97
47) n-amyl Acetate	12.07	43	1444807	198.799	ug/l #	76
48) t-1,3-Dichloropropene	10.38	75	1625477	184.085	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1838229	179.848	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	958078	165.673	ug/l	94
51) Ethyl methacrylate	10.43	69	1299755	189.908	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1672039	171.384	ug/l	97
53) Dibromochloromethane	10.90	129	1167935	175.578	ug/l	97
54) 1,2-Dibromoethane	11.00	107	967465	173.387	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3246548	960.633	ug/l	100
56) Bromoform	12.13	173	796566	177.622	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	4328833	868.088	ug/l	95
59) 2-Hexanone	10.75	43	2867236	873.625	ug/l	94
61) Tetrachloroethene	10.63	164	1086131	164.530	ug/l	96
62) Toluene	10.16	91	4881034	168.034	ug/l	98
64) Chlorobenzene	11.43	112	3057100	171.656	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	1158551	168.257	ug/l	99
66) Ethyl Benzene	11.51	91	5424150	181.004	ug/l	98
67) m/p-Xylenes	11.62	106	4151772	359.881	ug/l	98
68) o-Xylene	11.95	106	1990991	181.201	ug/l	95
69) Styrene	11.96	104	3243914	186.896	ug/l	99
70) Isopropylbenzene	12.25	105	5376373	182.832	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	1144591	165.352	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	961084m	176.065	ug/l	
73) Bromobenzene	12.53	156	1316673	177.666	ug/l	96
74) n-propylbenzene	12.59	91	6502745	190.214	ug/l	99
75) 2-Chlorotoluene	12.67	91	3607798	178.826	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	4471683	184.292	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	376539	200.019	ug/l	93
78) 4-Chlorotoluene	12.77	91	3698450	184.827	ug/l	97
79) tert-butylbenzene	12.99	119	3865096	182.955	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	4540828	186.156	ug/l	98
81) sec-Butylbenzene	13.17	105	5389271	185.446	ug/l	99
82) p-Isopropyltoluene	13.29	119	4818251	192.060	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	2392993	184.092	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2327163	190.618	ug/l	97
85) n-Butylbenzene	13.61	91	4185367	203.196	ug/l	95
86) Hexachloroethane	13.87	117	880963	175.243	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	2231505	181.088	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	182806	178.936	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	1404289	228.786	ug/l	98
90) Hexachlorobutadiene	15.01	225	808214	169.896	ug/l	97
91) Naphthalene	15.13	128	2755315	237.896	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1315501	212.302	ug/l	93

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

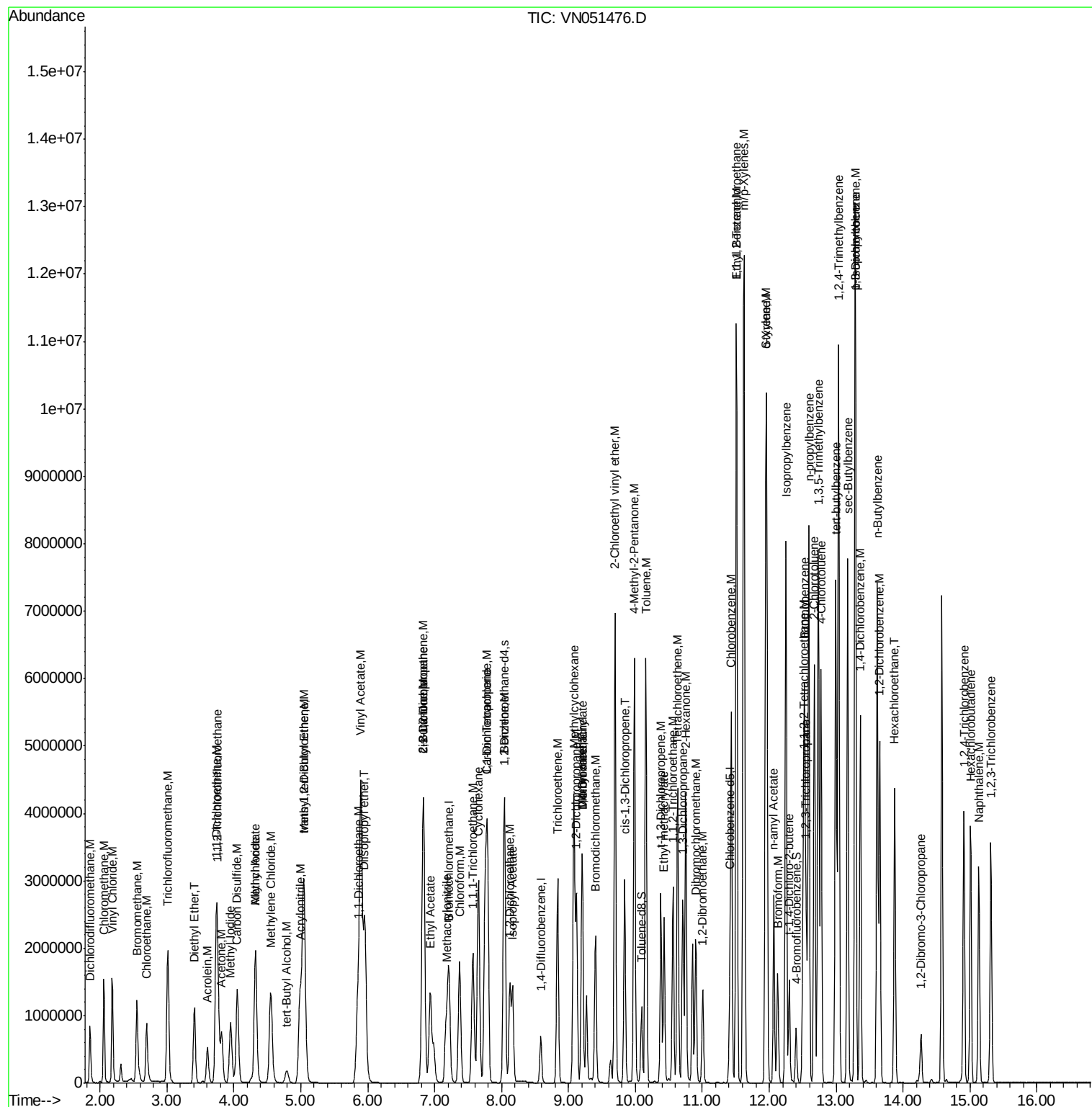
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051476.D
Acq On : 25 Sep 2018 10:49
Operator : MD\SY
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

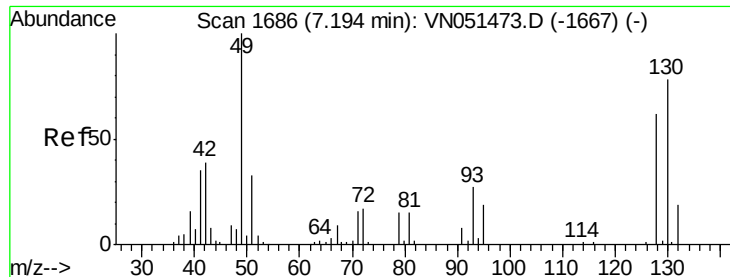
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

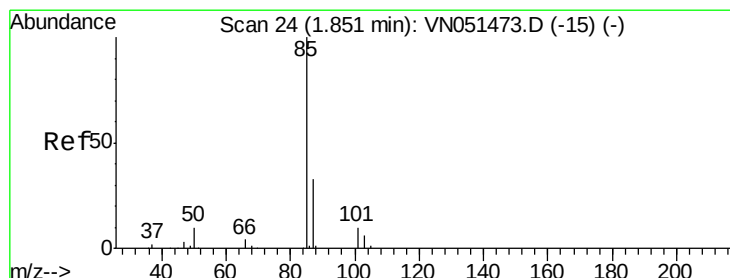
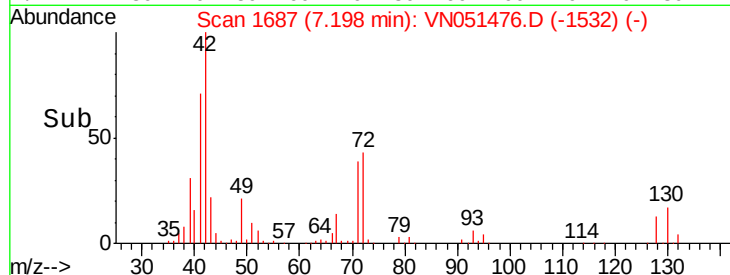
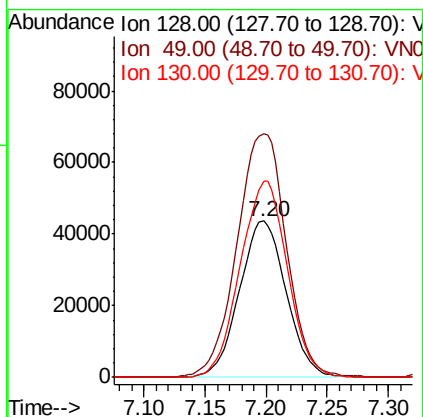
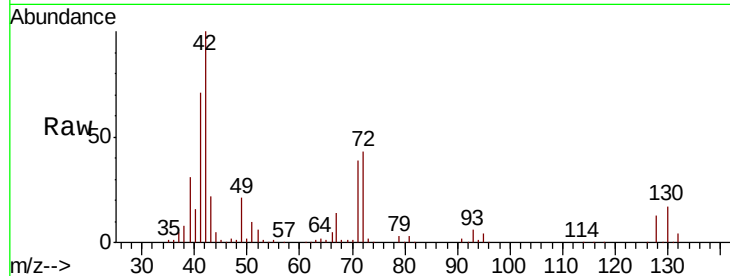
ClientSampled :

VSTDIC150

Tot Ion:	128	Resp:	115740
Ion	Ratio	Lower	Upper
128	100		
49	165.4	0.0	403.3
130	127.3	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 142.989 ug/l

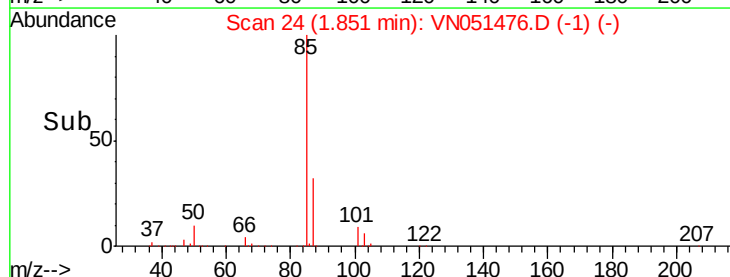
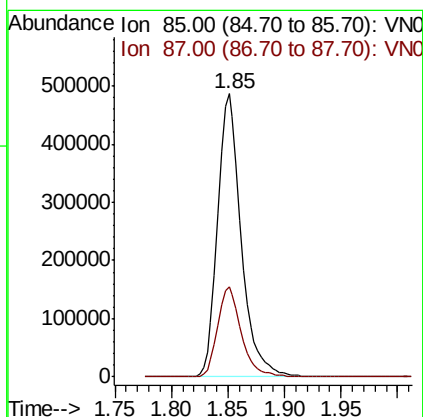
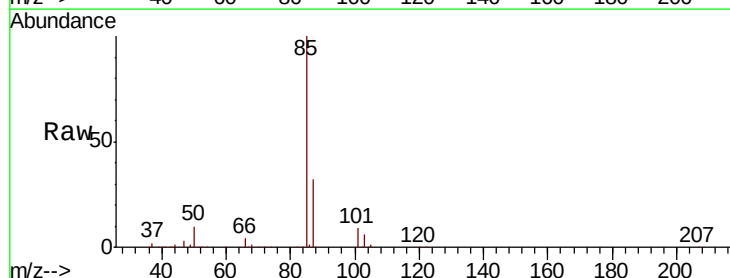
RT: 1.85 min Scan# 24

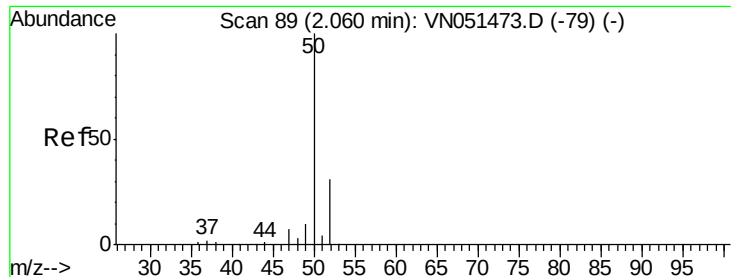
Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion:	85	Resp:	708798
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.3	48.8





#3

Chloromethane

Concen: 152.235 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1297480

Ion Ratio Lower Upper

50 100

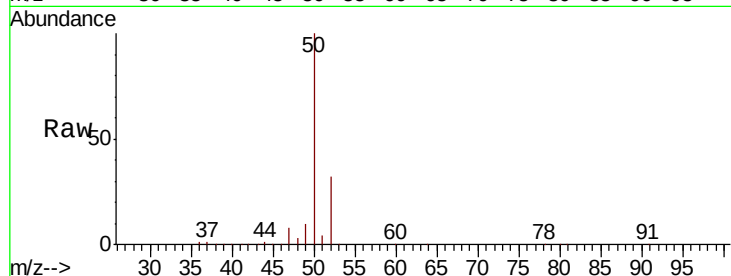
52 32.2 27.2 40.8

Manual Integrations

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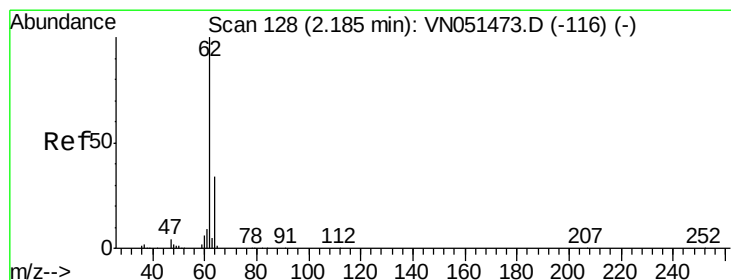
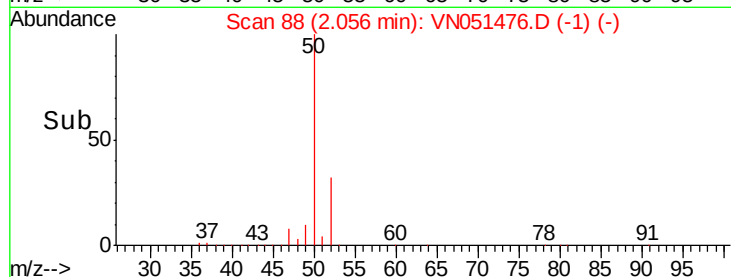
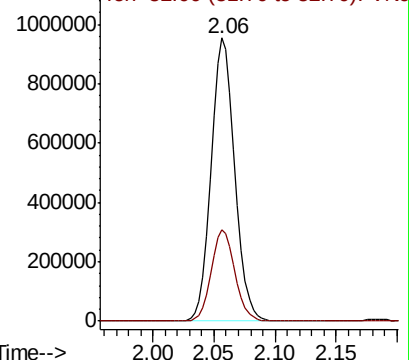
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 157.336 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051476.D

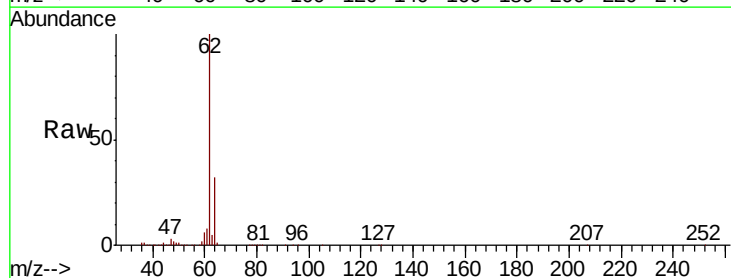
Acq: 25 Sep 2018 10:49

Tgt Ion: 62 Resp: 1430829

Ion Ratio Lower Upper

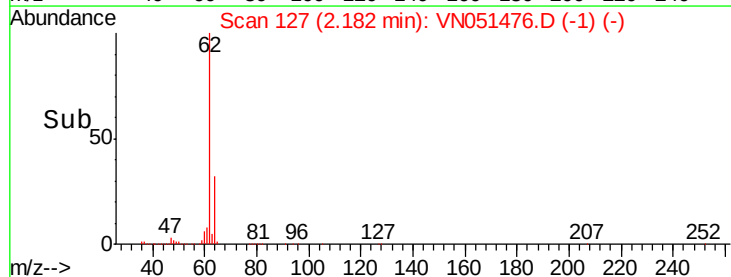
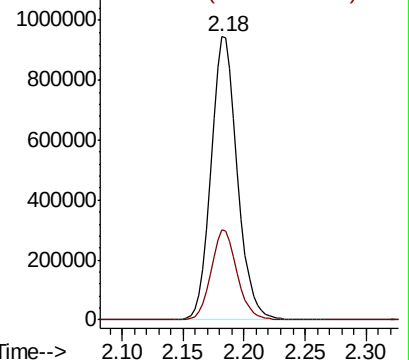
62 100

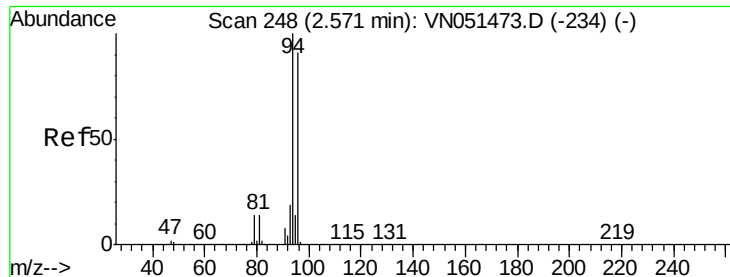
64 31.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 153.737 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 913775

Ion Ratio Lower Upper

94 100

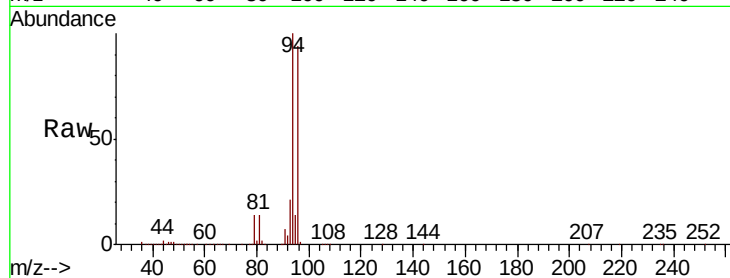
96 94.4 66.4 99.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

500000

400000

300000

200000

100000

0

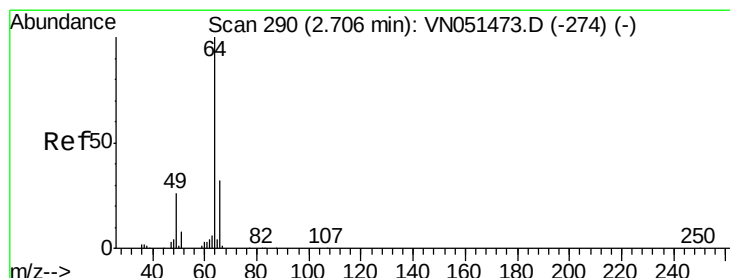
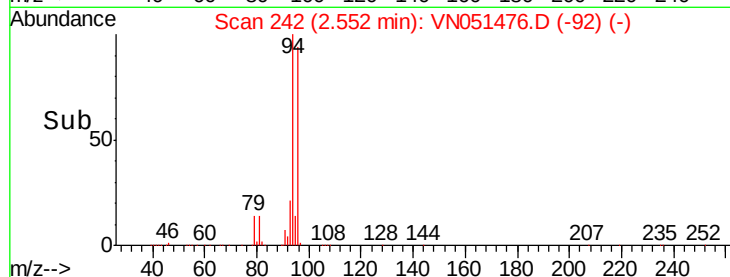
2.55

2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 160.632 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051476.D

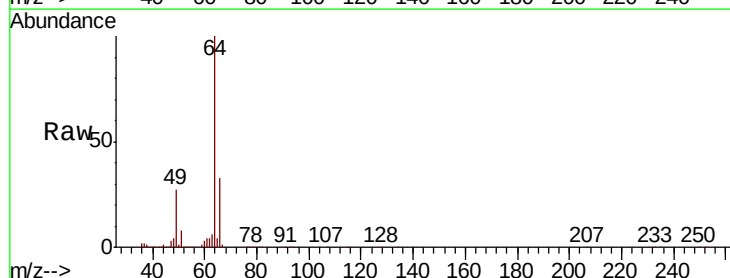
Acq: 25 Sep 2018 10:49

Tgt Ion: 64 Resp: 900426

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

500000

400000

300000

200000

100000

0

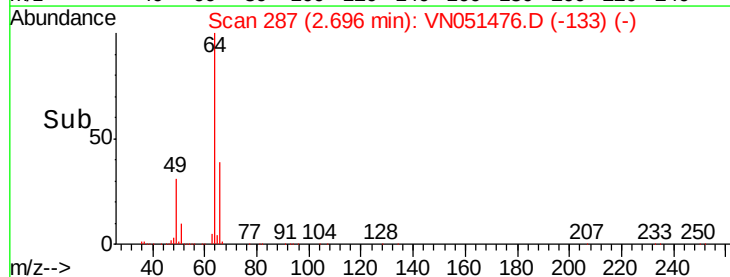
2.70

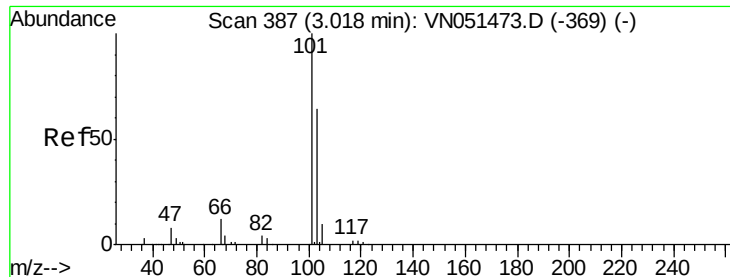
2.60

2.70

2.80

Time-->





#7

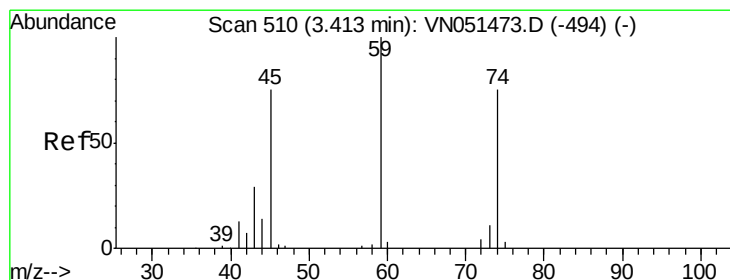
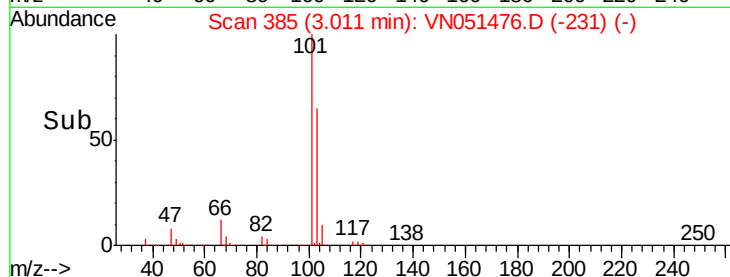
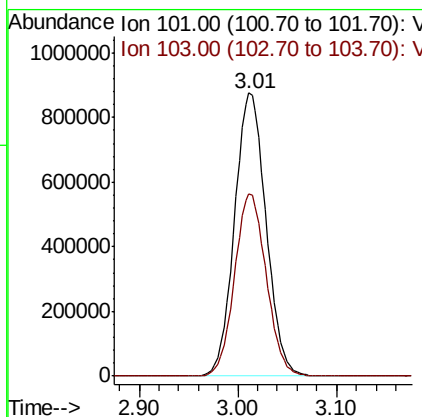
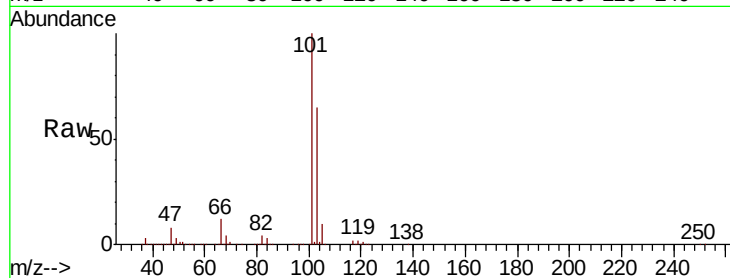
Trichlorofluoromethane
 Concen: 164.422 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1940880
 Ion Ratio Lower Upper
 101 100
 103 64.6 54.8 82.2

Manual Integrations
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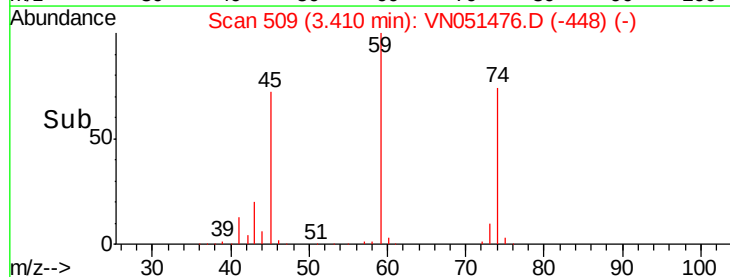
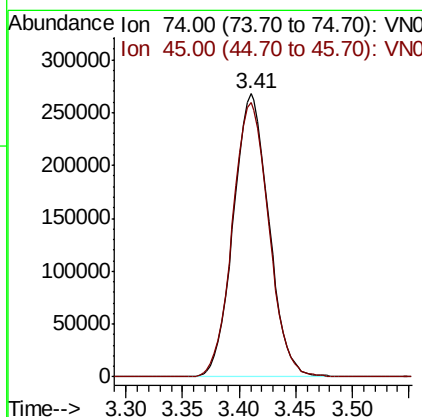
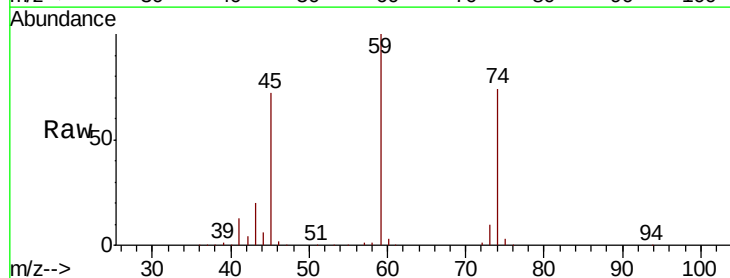
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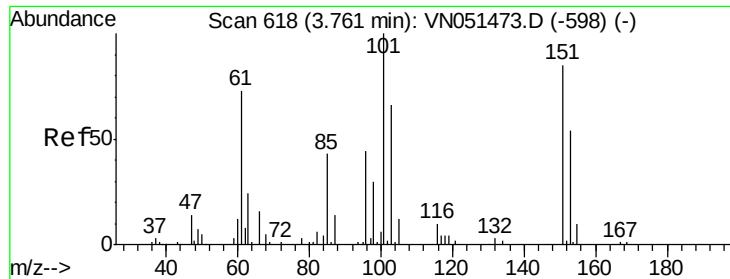


#8

Diethyl Ether
 Concen: 164.694 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 74 Resp: 584507
 Ion Ratio Lower Upper
 74 100
 45 99.3 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.223 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051476.D

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Instrument :

MSVOA_N

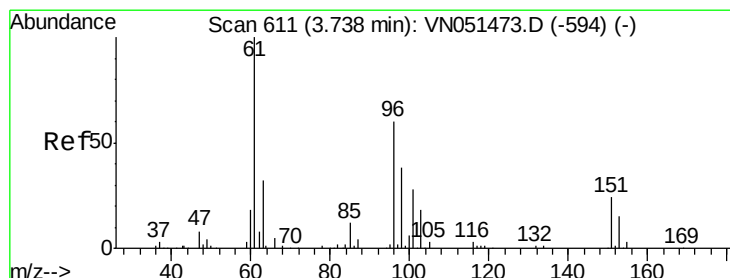
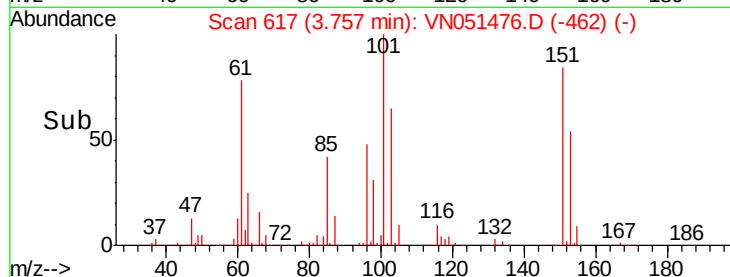
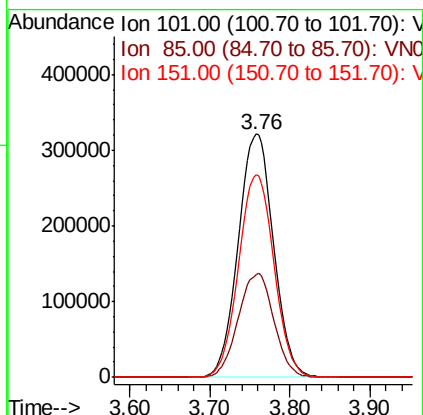
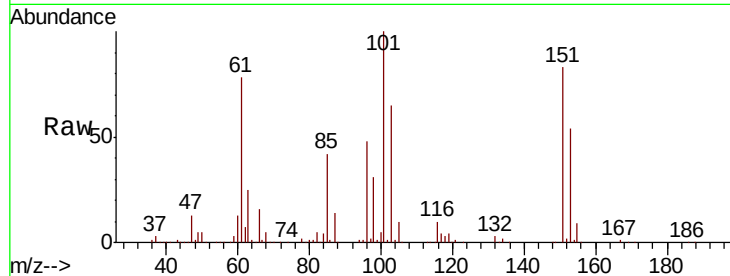
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	960422		
85	43.2	0.0	46.0	
151	83.7	0.0	82.2#	

Manual Integrations
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MMDadoda
10/1/2018 11:21:28 AM



#10

1,1-Dichloroethene

Concen: 168.044 ug/l

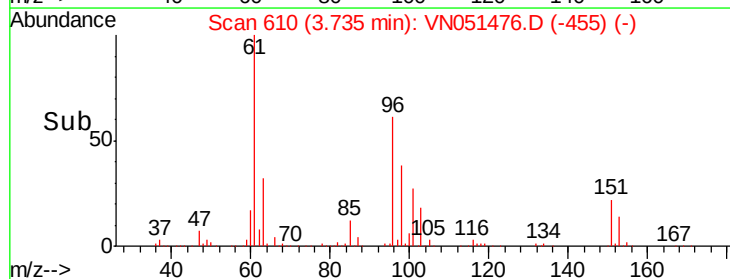
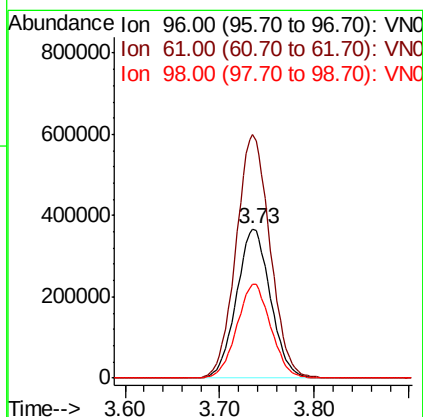
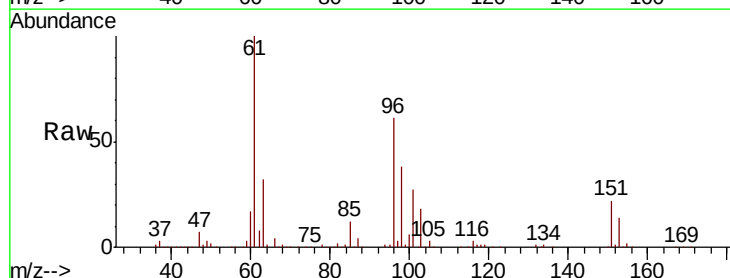
RT: 3.73 min Scan# 610

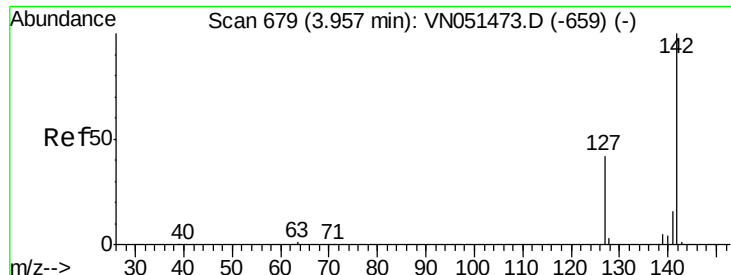
Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	917543		
61	162.8	133.0	199.6	
98	62.7	52.6	78.8	





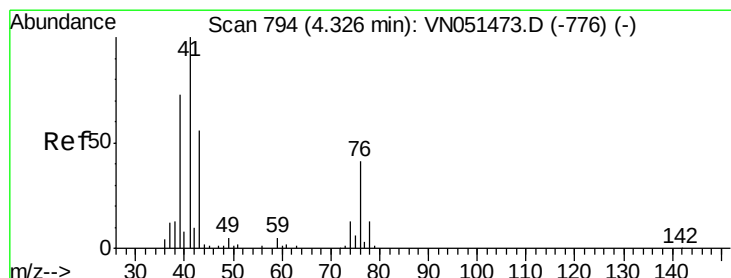
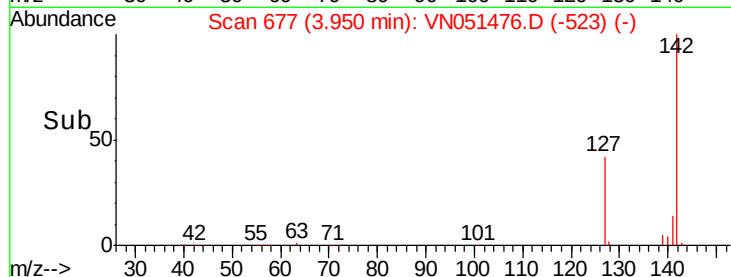
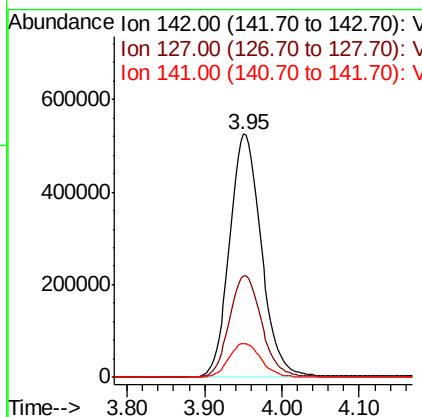
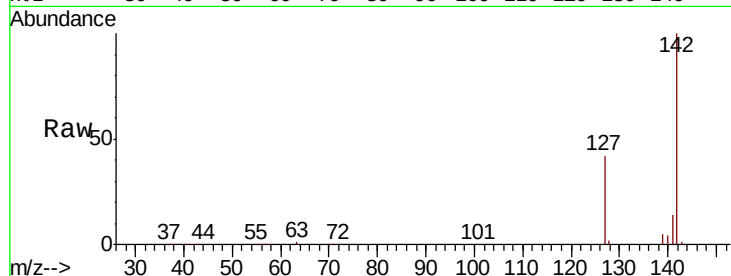
#11
Methvl Iodide
Concen: 186.325 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.8	19.7	59.0
141	14.0	6.3	18.9

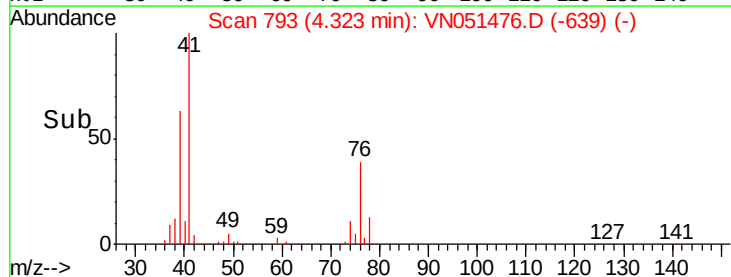
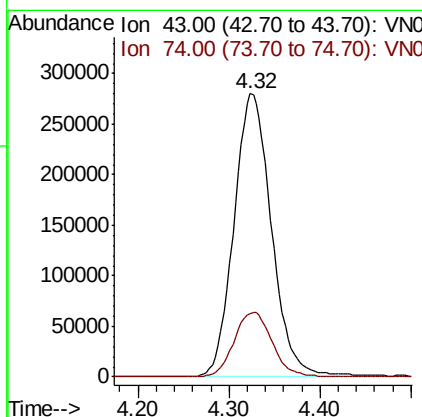
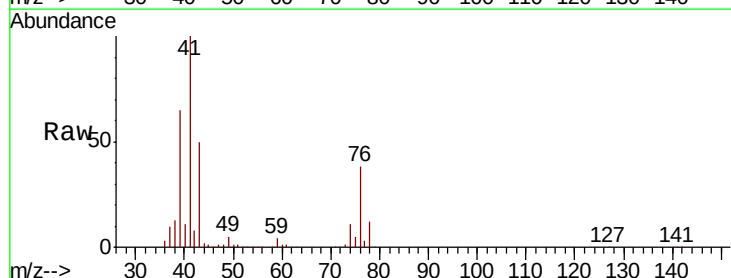
Manual Integrations
APPROVED

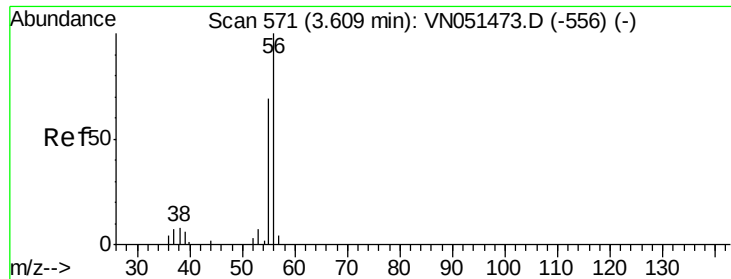
MMDadoda
10/1/2018 11:21:28 AM



#12
Methyl Acetate
Concen: 165.828 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	21.8	32.6





#13

Acrolein

Concen: 936.308 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 599169

Ion Ratio Lower Upper

56 100

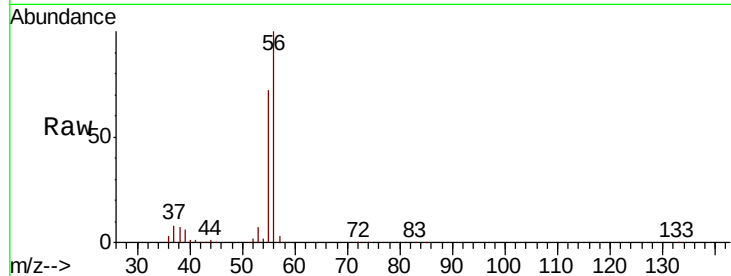
55 71.5 64.0 96.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250000

200000

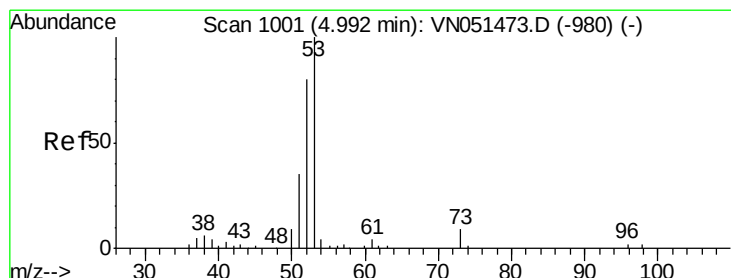
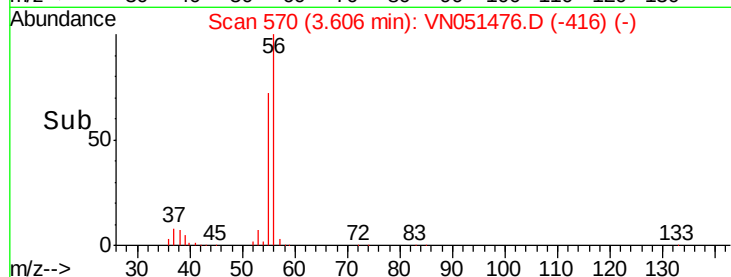
150000

100000

50000

0

Time-->



#14

Acrylonitrile

Concen: 887.838 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

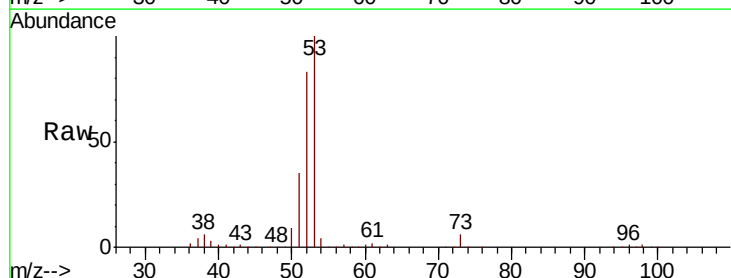
Tgt Ion: 53 Resp: 1730792

Ion Ratio Lower Upper

53 100

52 82.2 18.3 54.8#

51 35.8 19.7 59.1



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

4.99

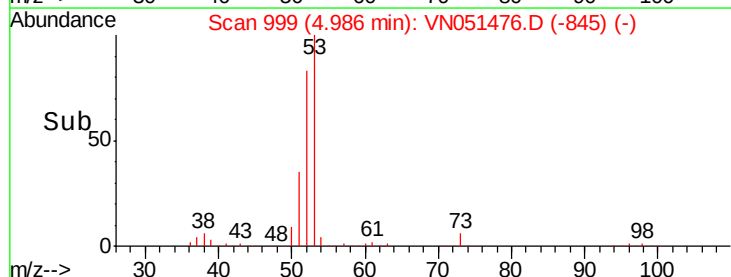
600000

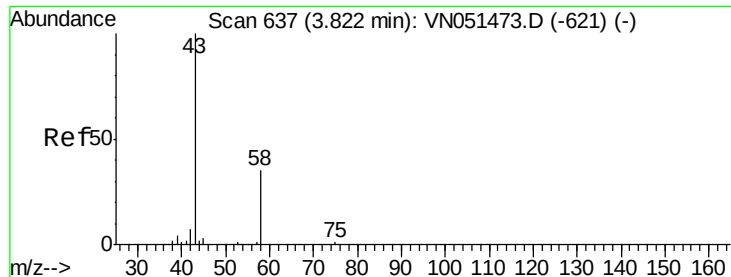
400000

200000

0

Time-->





#15

Acetone

Concen: 801.749 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 58 Resp: 384942

Ion Ratio Lower Upper

58 100

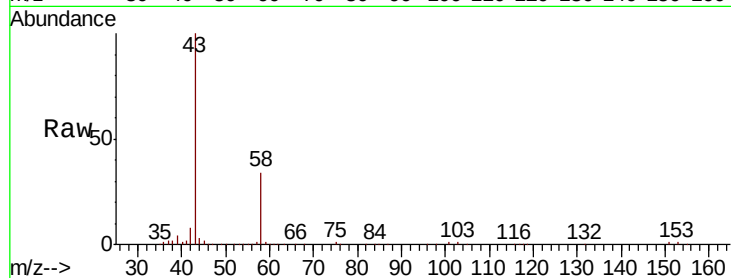
43 297.4 232.2 348.2

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:21:28 AM



Abundance Ion 58.00 (57.70 to 58.70): VN051476.D (-58)

Ion 43.00 (42.70 to 43.70): VN051476.D (-43)

500000

400000

300000

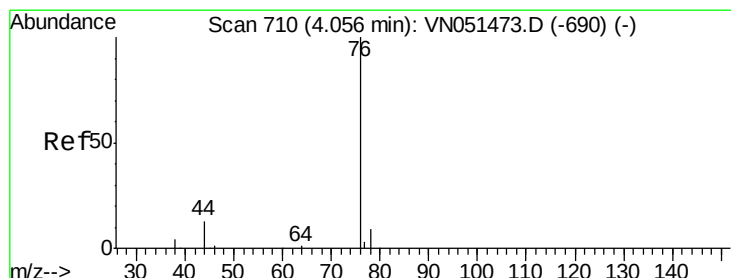
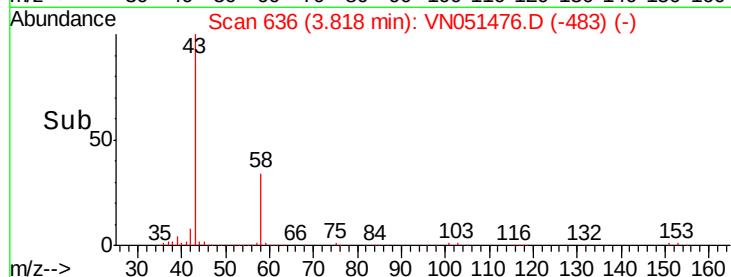
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 162.038 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN051476.D

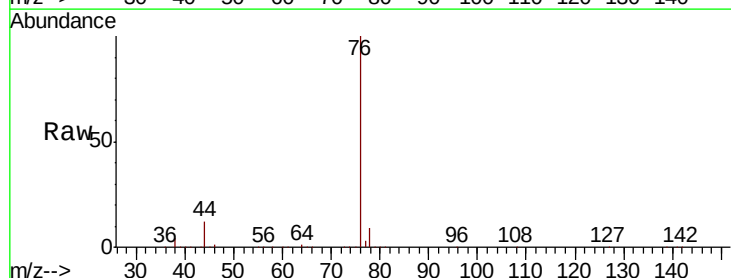
Acq: 25 Sep 2018 10:49

Tgt Ion: 76 Resp: 2806300

Ion Ratio Lower Upper

76 100

78 9.4 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051476.D (-76)

Ion 78.00 (77.70 to 78.70): VN051476.D (-78)

1200000

1000000

800000

600000

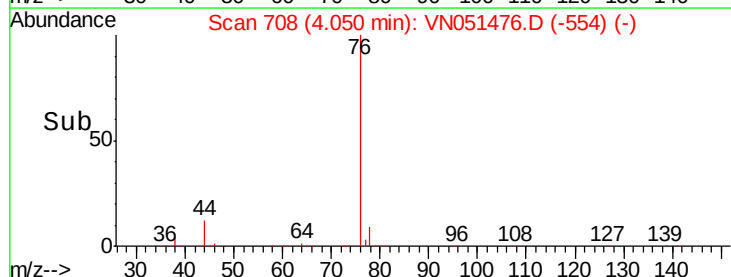
400000

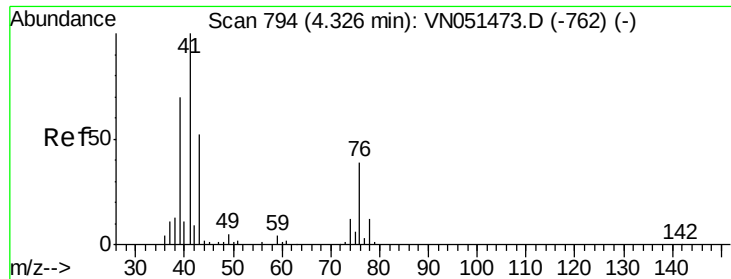
200000

0

3.90 4.00 4.10 4.20

Time-->





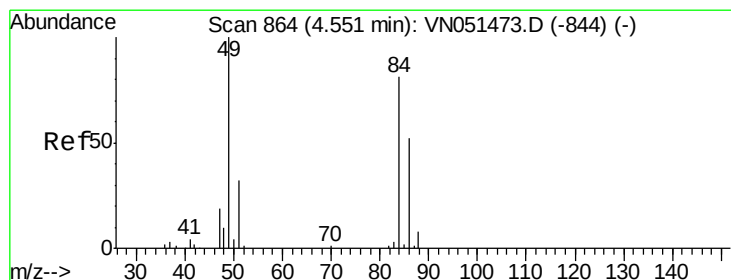
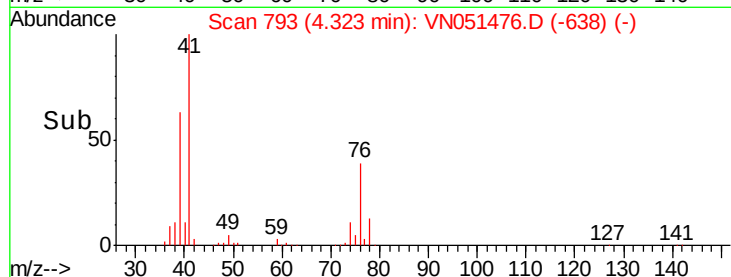
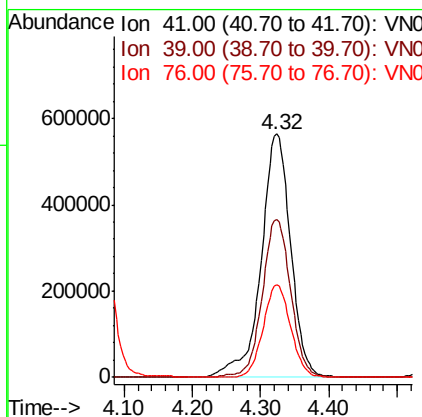
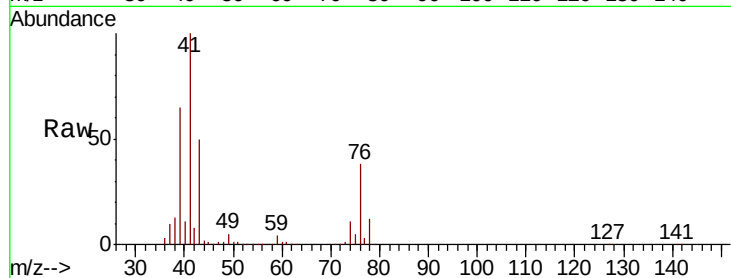
#17
Allvl chloride
Concen: 175.704 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1693575
Ion Ratio Lower Upper
41 100
39 64.8 32.6 97.8
76 37.9 20.2 60.5

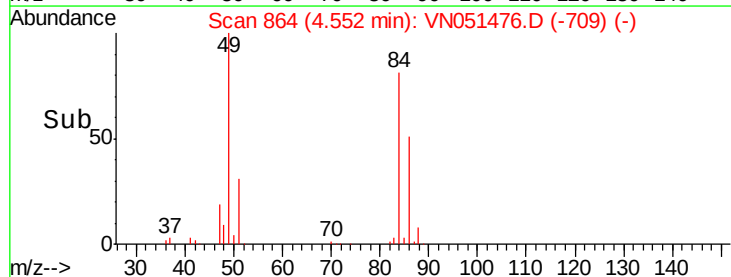
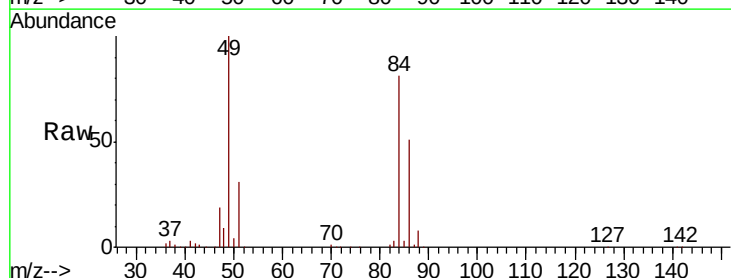
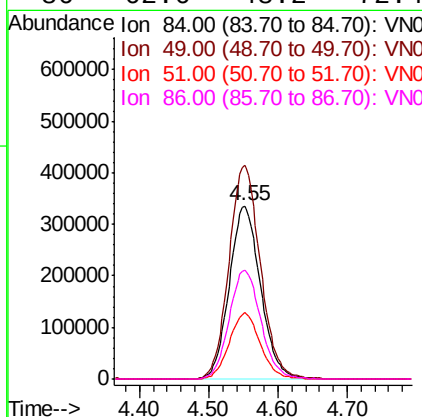
Manual Integrations
APPROVED

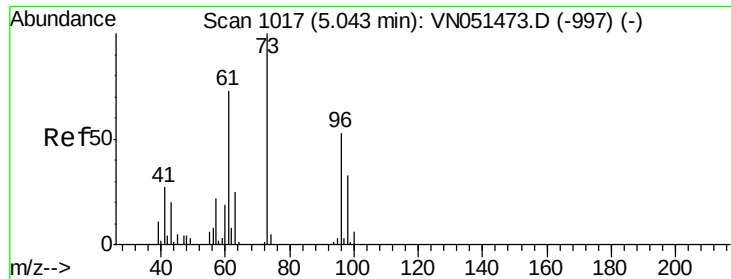
MMDadoda
10/1/2018 11:21:28 AM



#18
Methylene Chloride
Concen: 161.930 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 84 Resp: 1055905
Ion Ratio Lower Upper
84 100
49 123.2 91.6 137.4
51 38.2 29.8 44.6
86 62.6 48.2 72.4





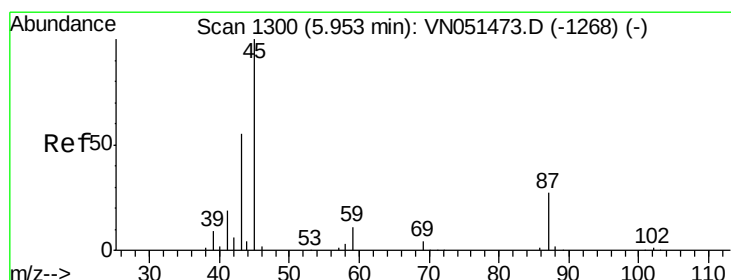
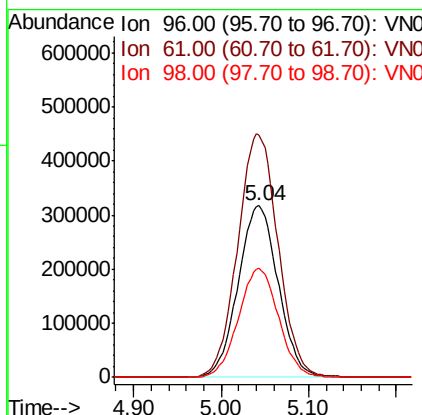
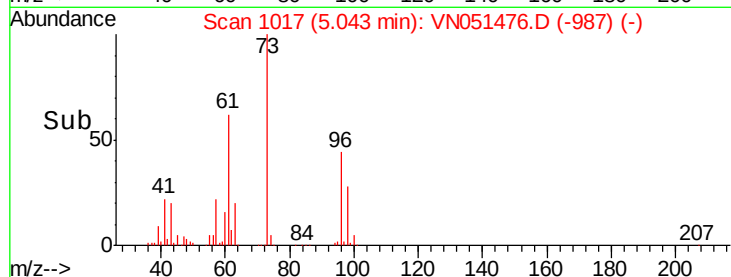
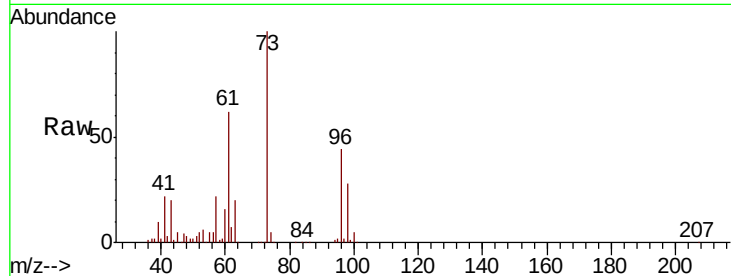
#19
trans-1,2-Dichloroethene
Concen: 169.953 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1004528
Ion Ratio Lower Upper
96 100
61 141.1 112.3 168.5
98 63.4 47.1 70.7

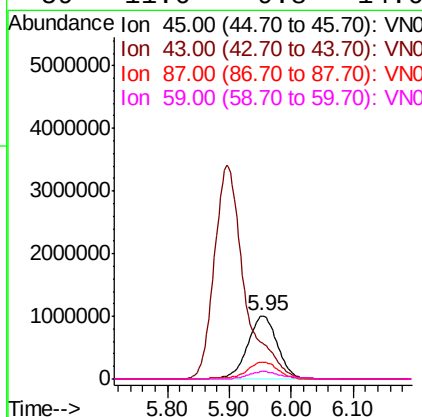
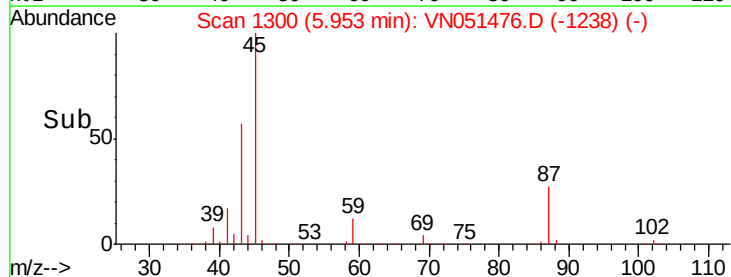
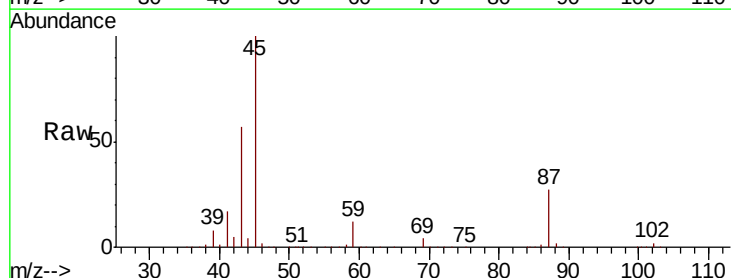
Manual Integrations
APPROVED

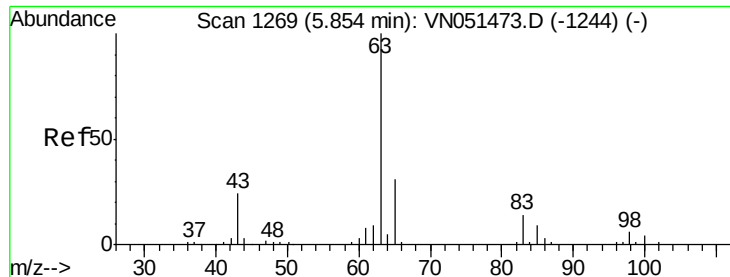
MMDadoda
10/1/2018 11:21:28 AM



#20
Diisopropyl ether
Concen: 175.975 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 45 Resp: 3367897
Ion Ratio Lower Upper
45 100
43 56.4 62.1 93.1#
87 27.4 19.9 29.9
59 11.6 9.8 14.6





#21

1,1-Dichloroethane

Concen: 167.260 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

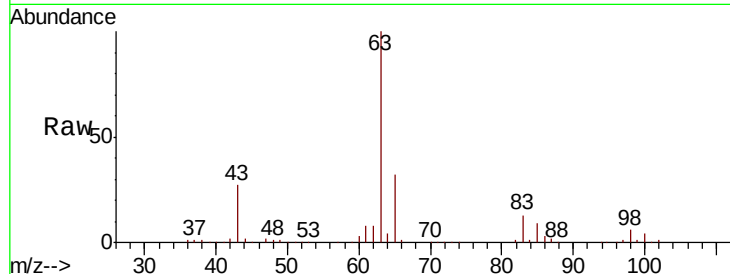
ClientSampled :

VSTDIC150

Tot Ion:	63	Resp:	1928222
Ion	Ratio	Lower	Upper
63	100		
98	6.4	4.1	12.3
100	4.1	1.6	4.7

Manual Integrations
APPROVED

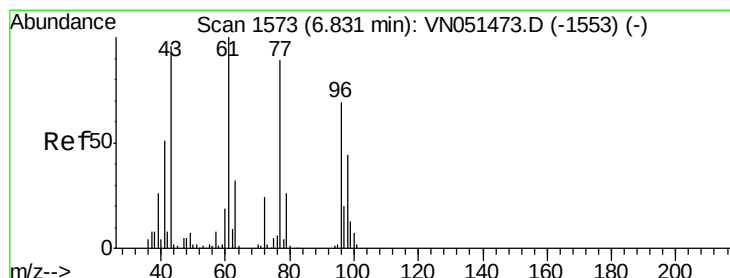
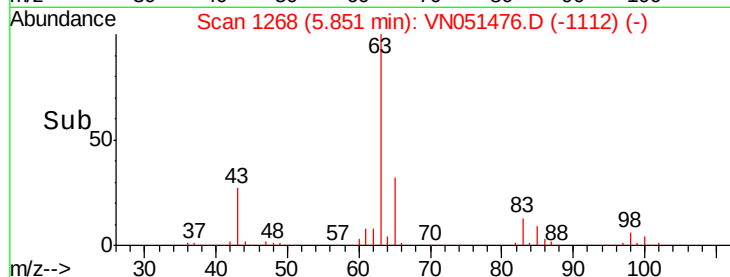
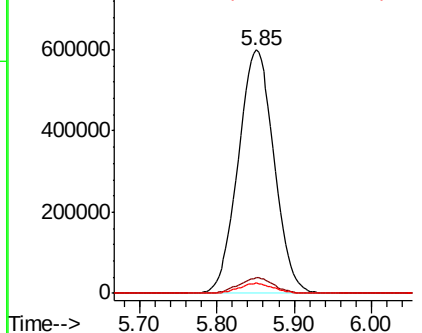
MMDadoda
10/1/2018 11:21:28 AM



Abundance Ion 63.00 (62.70 to 63.70): VN051473.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051473.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051473.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 174.526 ug/l

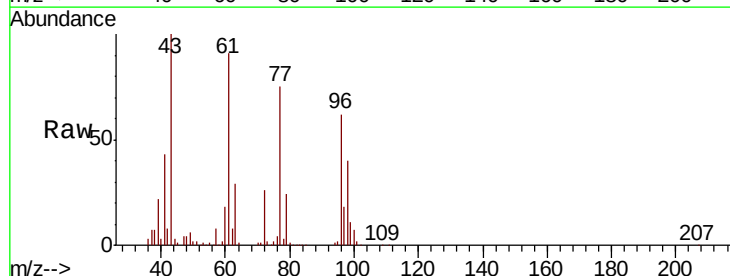
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

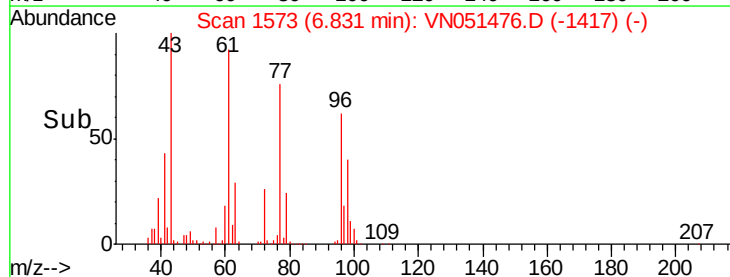
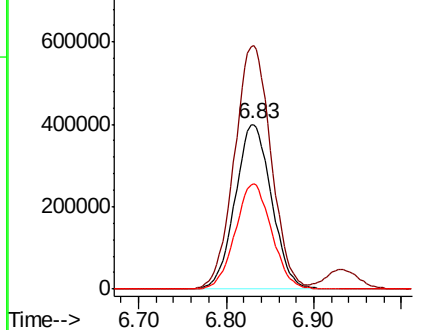
Tgt Ion:	96	Resp:	1154304
Ion	Ratio	Lower	Upper
96	100		
61	149.1	124.5	186.7
98	63.9	51.9	77.9

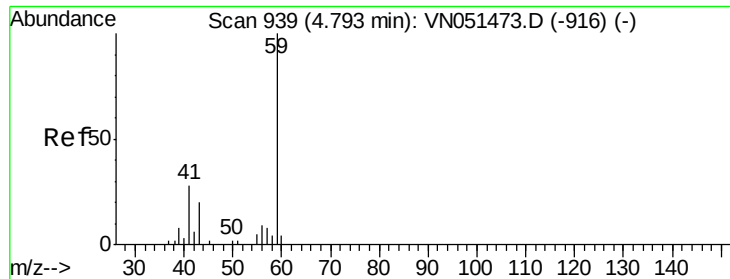


Abundance Ion 96.00 (95.70 to 96.70): VN051473.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051473.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051473.D (-1553) (-)





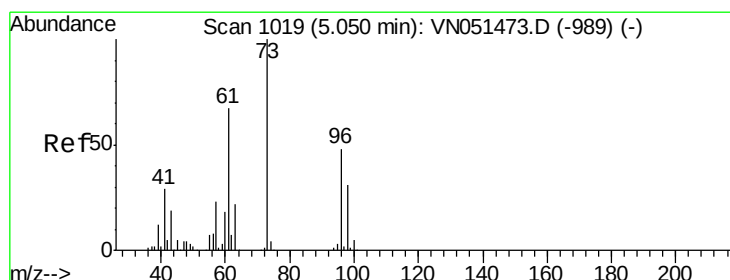
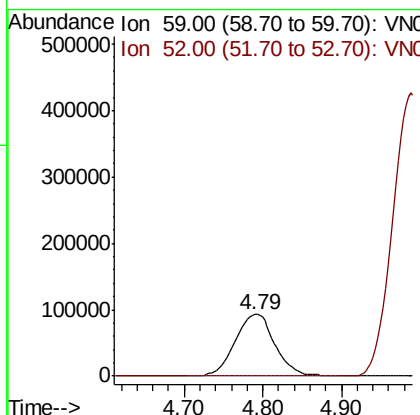
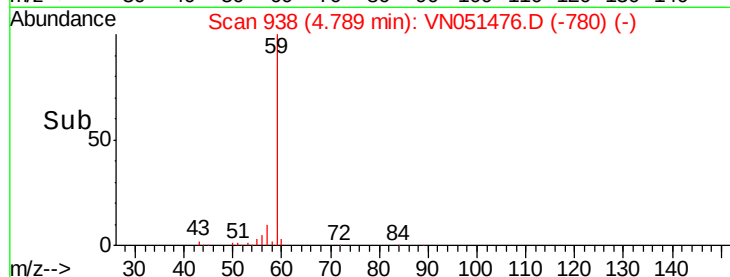
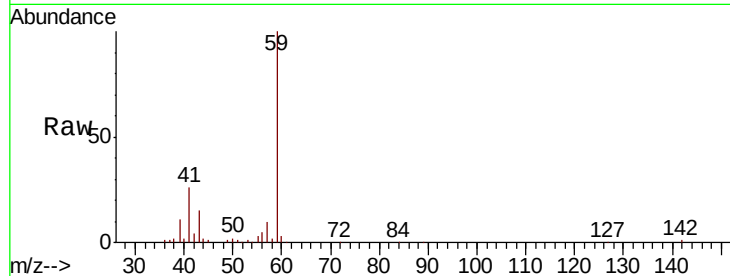
#23
tert-Butyl Alcohol
Concen: 904.434 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 332025
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

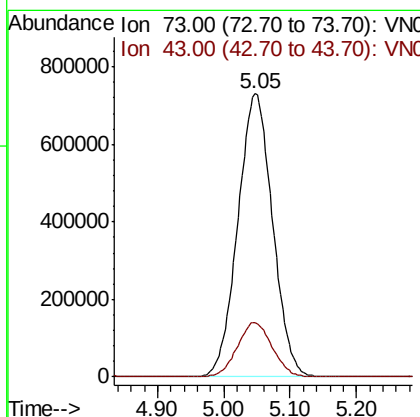
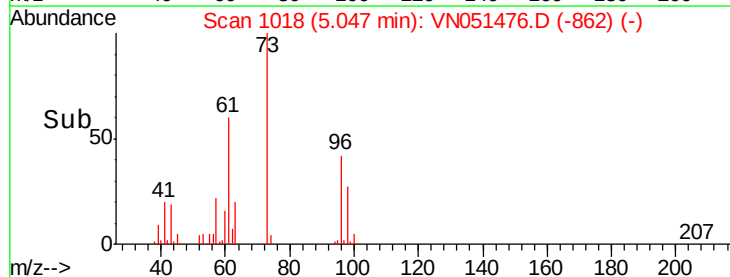
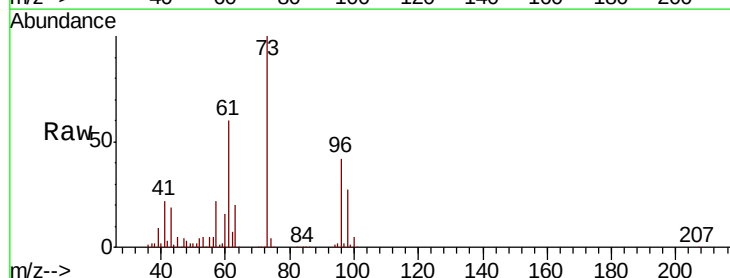
Manual Integrations
APPROVED

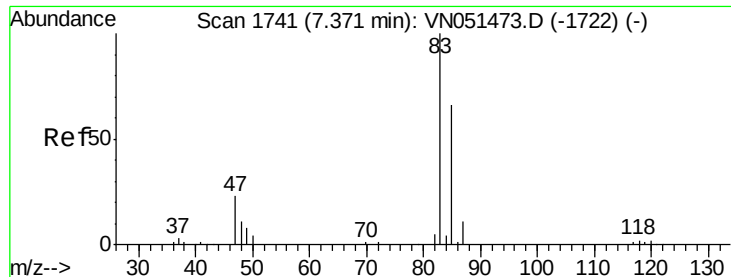
MMDadoda
10/1/2018 11:21:28 AM



#24
Methyl tert-Butyl Ether
Concen: 178.717 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 73 Resp: 2657719
Ion Ratio Lower Upper
73 100
43 19.1 5.4 8.0#





#25

Chloroform

Concen: 166.287 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1912047

Ion Ratio Lower Upper

83 100

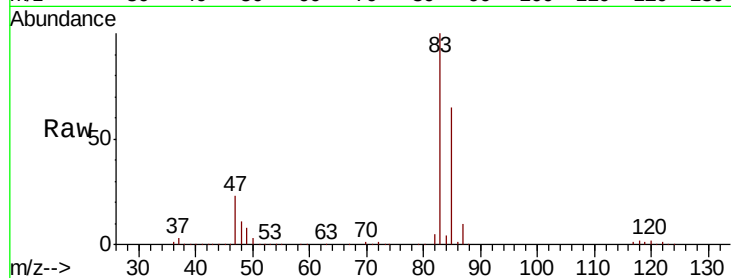
85 64.7 54.6 82.0

Manual Integrations

APPROVED

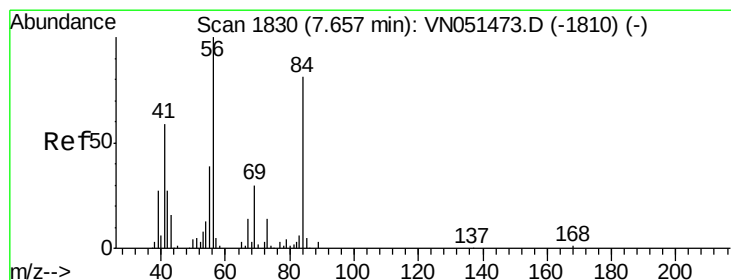
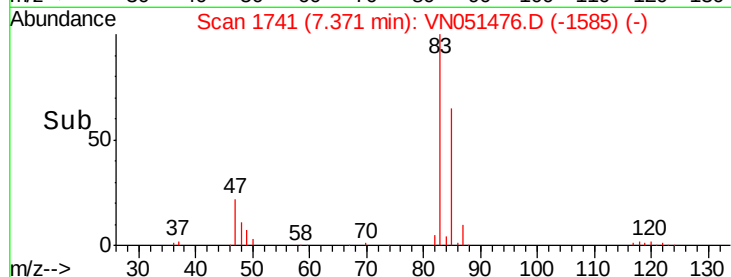
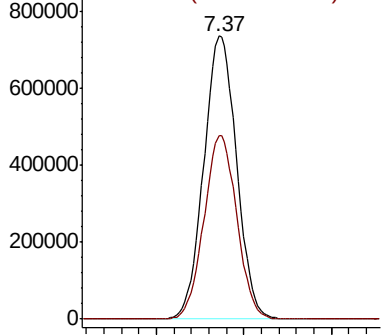
MMDadoda

10/1/2018 11:21:28 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 182.474 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

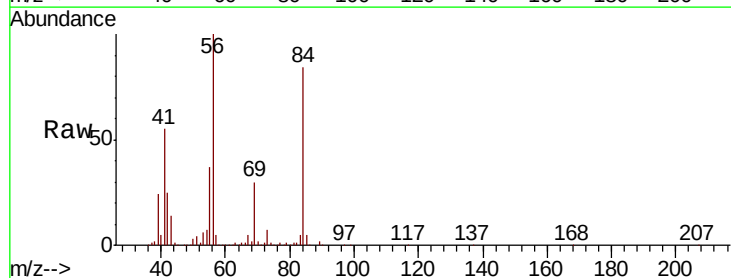
Tgt Ion: 56 Resp: 1790934

Ion Ratio Lower Upper

56 100

89 1.9 1.5 2.3

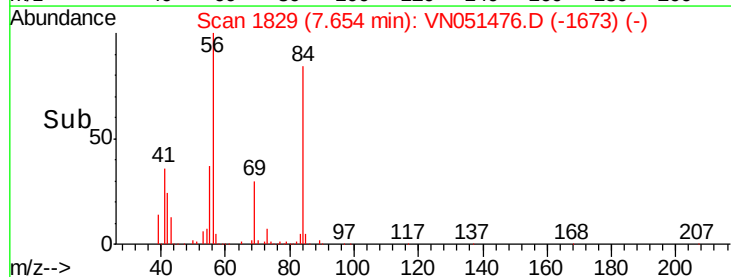
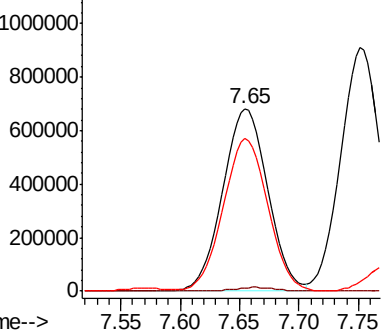
84 83.1 64.2 96.4

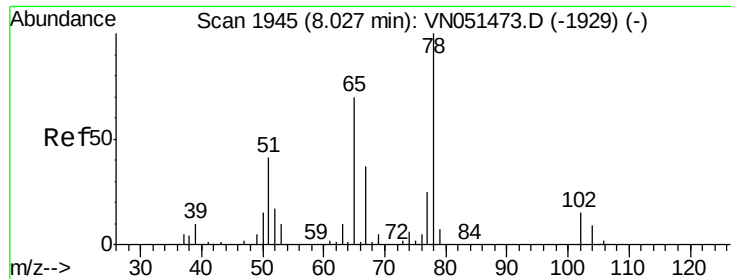


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





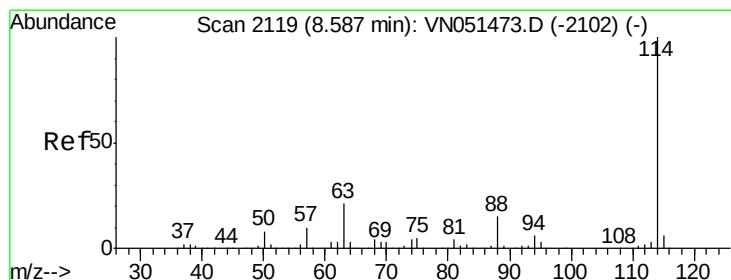
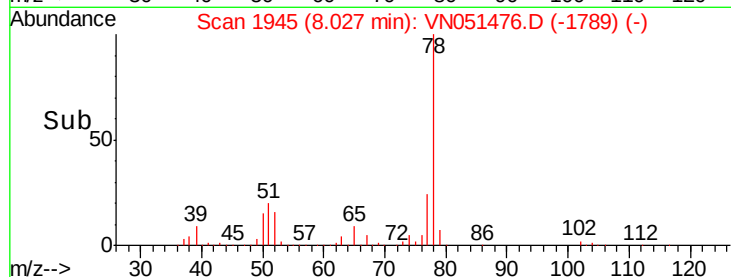
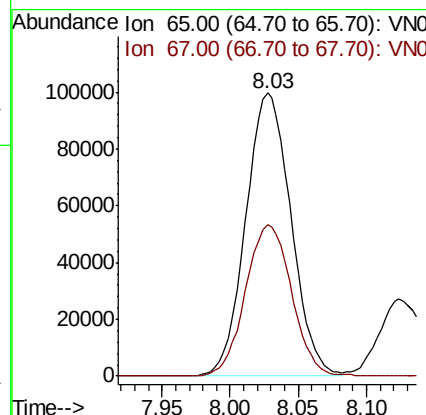
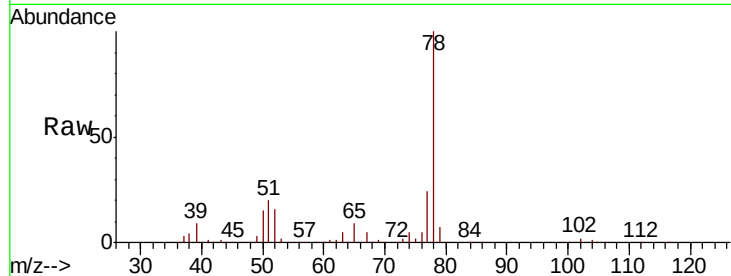
#27
 1,2-Dichloroethane-d4
 Concen: 28.826 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	41.8	62.8

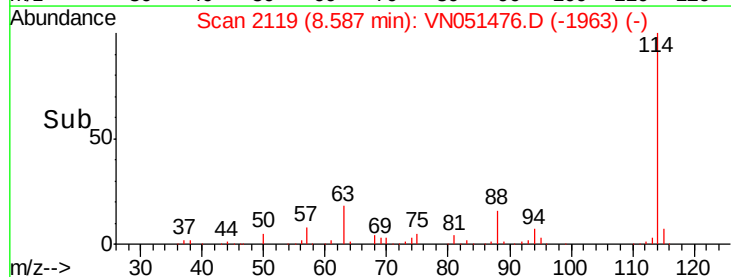
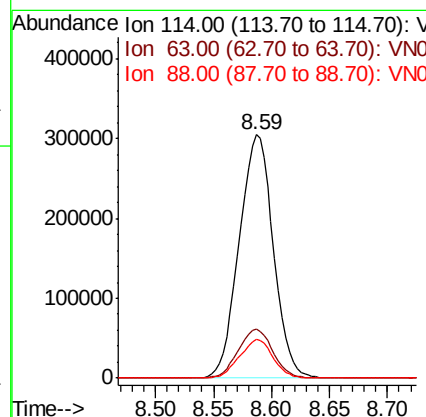
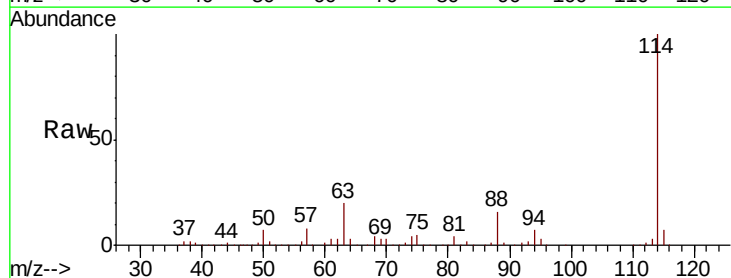
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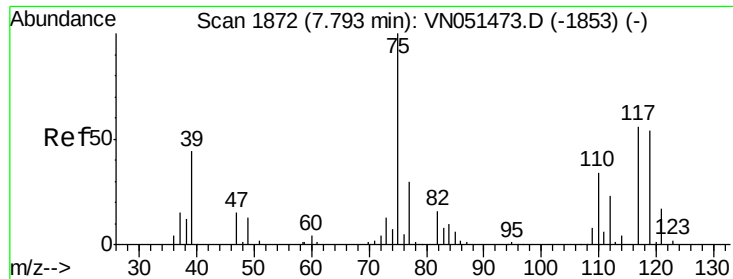
MMDadoda
 10/1/2018 11:21:28 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.2	24.2
88	15.5	12.2	18.4





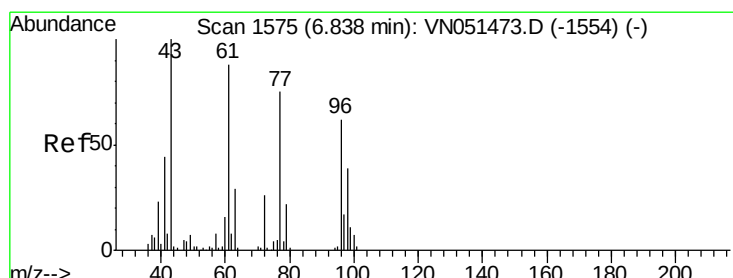
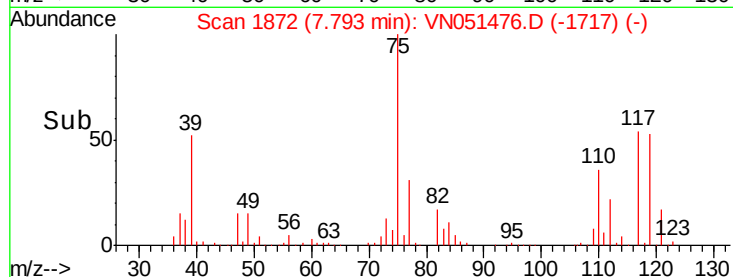
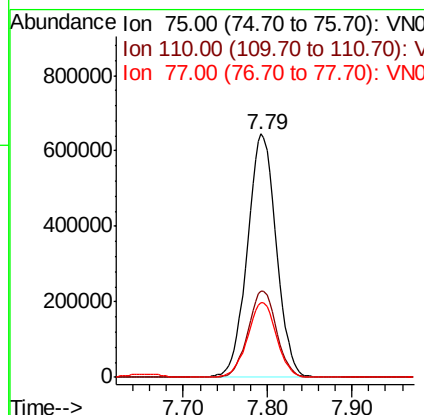
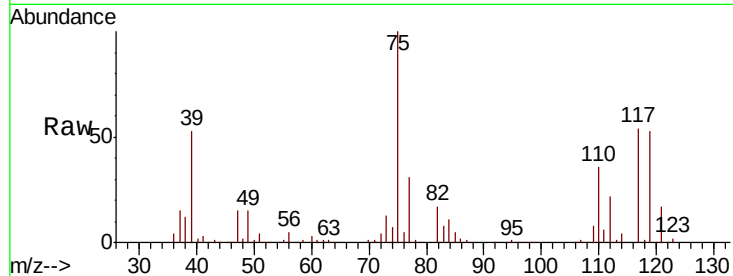
#29
 1,1-Dichloropropene
 Concen: 174.337 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.1	0.0	70.8
77	31.0	0.0	61.6

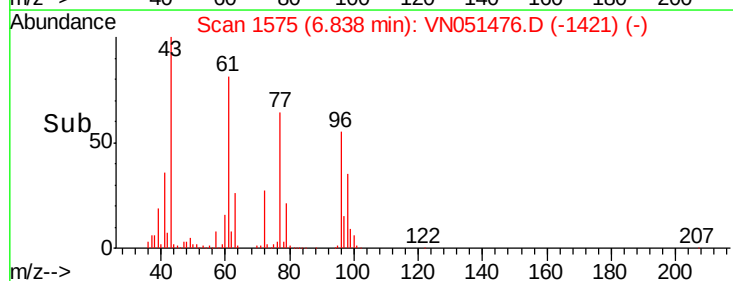
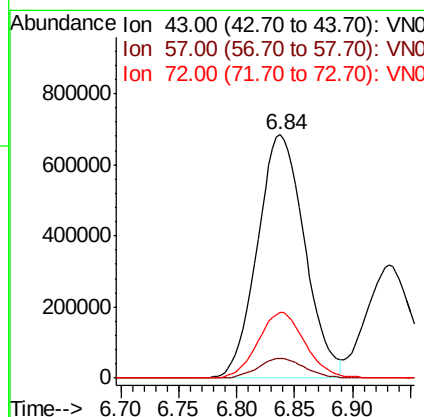
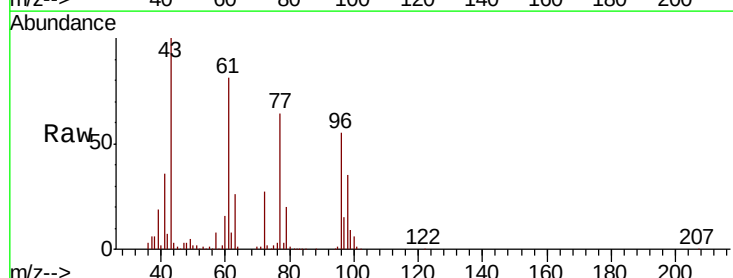
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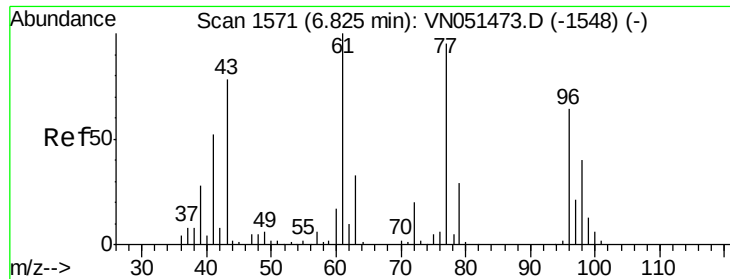
MMDadoda
 10/1/2018 11:21:28 AM



#30
 2-Butanone
 Concen: 851.768 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	4.5	6.7#
72	26.9	21.5	32.3





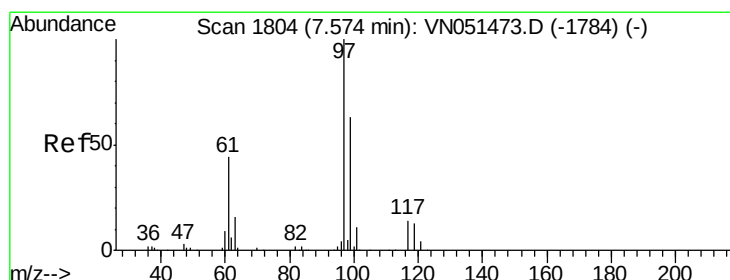
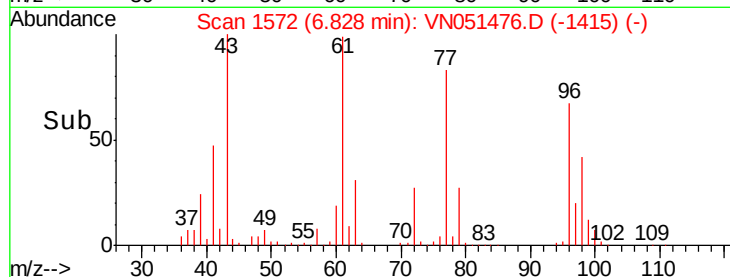
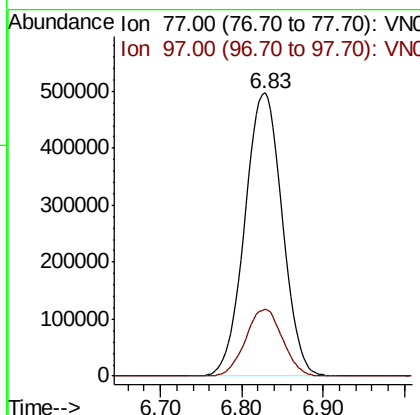
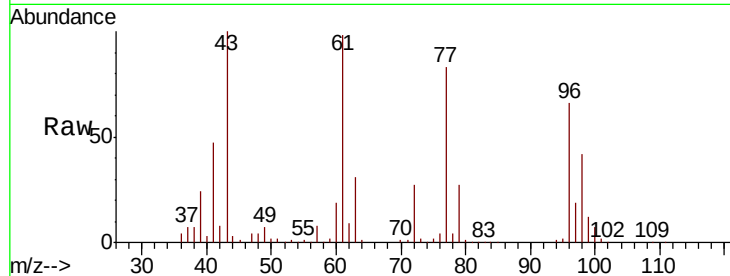
#31
 2,2-Dichloropropane
 Concen: 167.991 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 77 Resp: 1576623
 Ion Ratio Lower Upper
 77 100
 97 23.4 12.0 18.0#

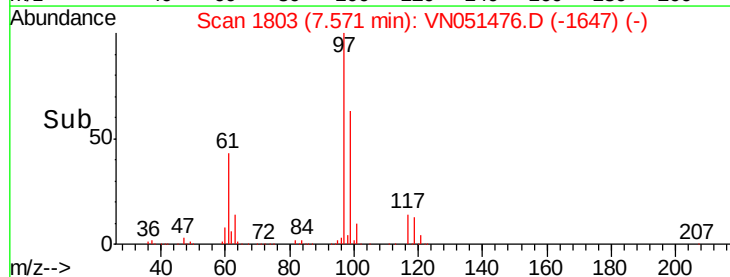
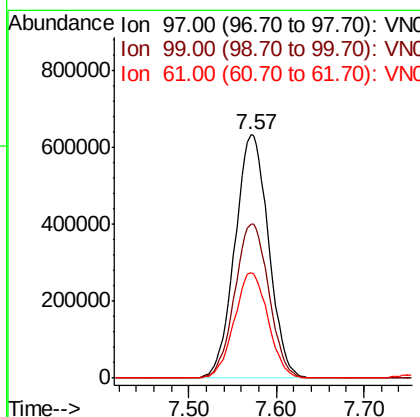
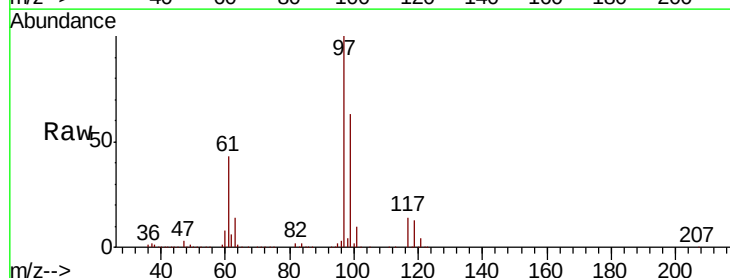
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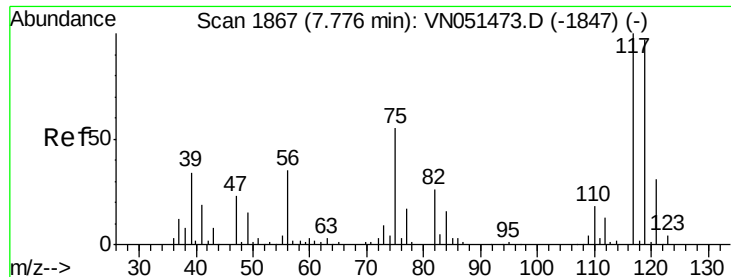
MMDadoda
 10/1/2018 11:21:28 AM



#32
 1,1,1-Trichloroethane
 Concen: 168.425 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 97 Resp: 1691769
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.6 77.4
 61 43.5 37.4 56.0





#33

Carbon Tetrachloride

Concen: 169.264 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 1560035

Ion Ratio Lower Upper

117 100

119 95.8 85.1 127.7

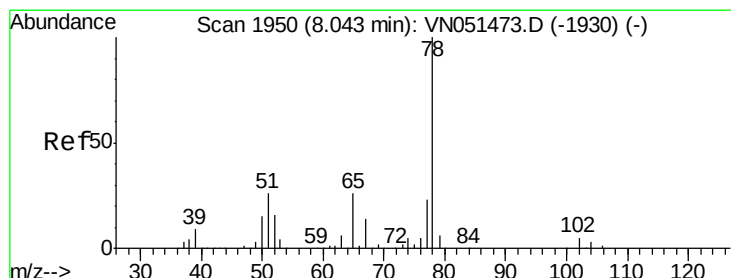
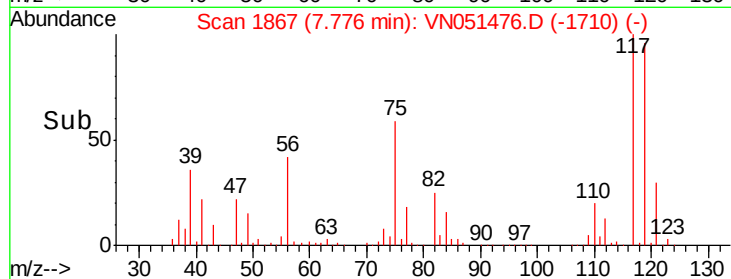
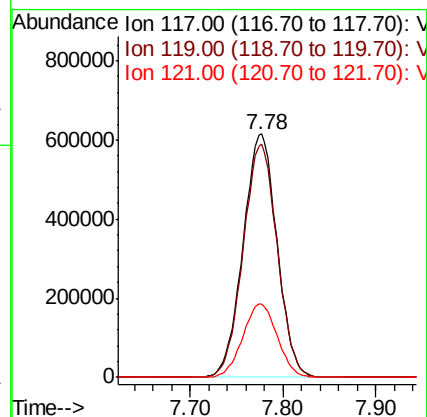
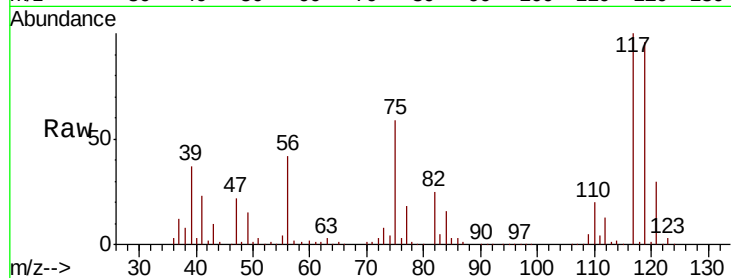
121 30.2 24.2 36.2

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#34

Benzene

Concen: 168.780 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

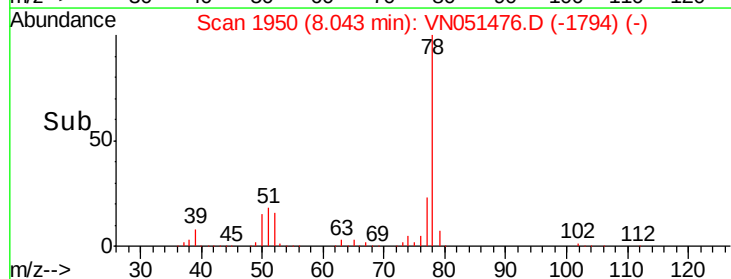
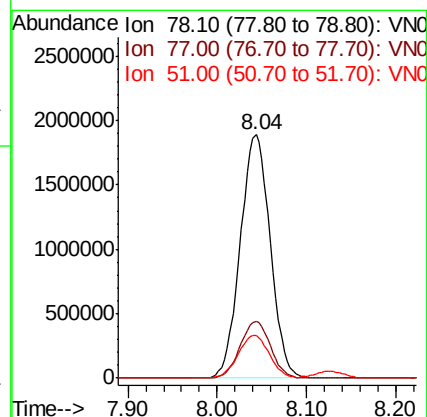
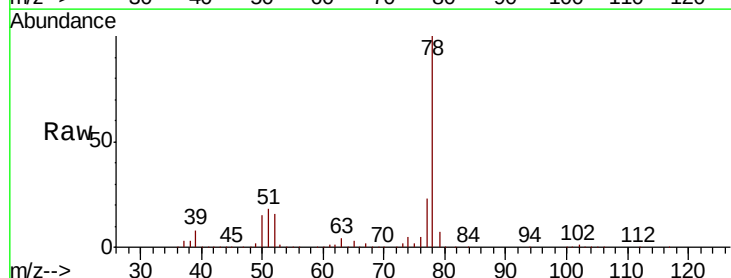
Tgt Ion: 78 Resp: 4408899

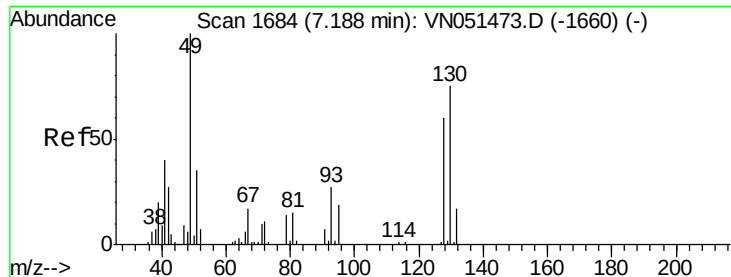
Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2

51 17.5 46.2 69.4#





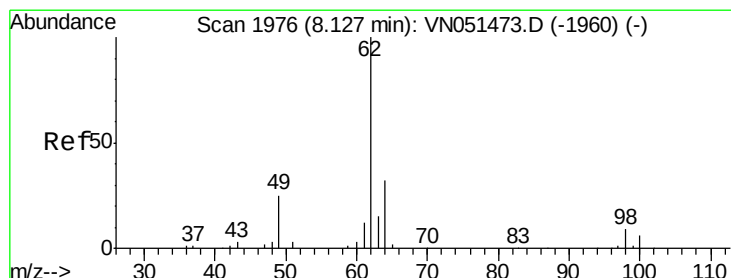
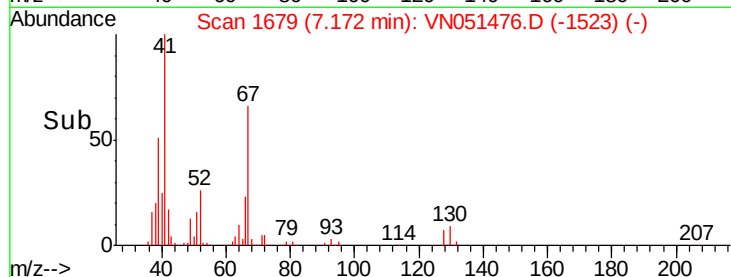
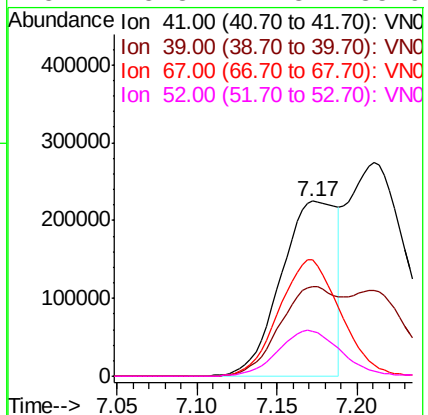
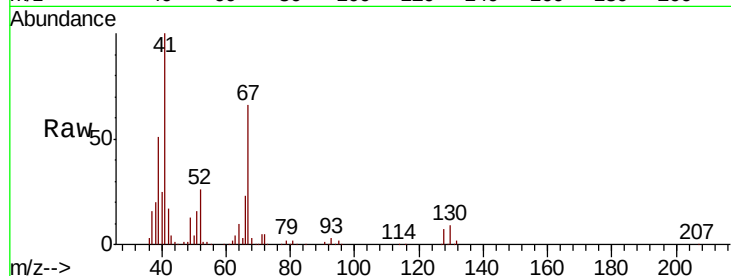
#35
Methacrylonitrile
Concen: 166.094 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	41	Resp	543973
Ion	Ratio	Lower	Upper
41	100		
39	51.1	22.6	67.7
67	66.5	28.9	86.8
52	25.8	11.3	33.9

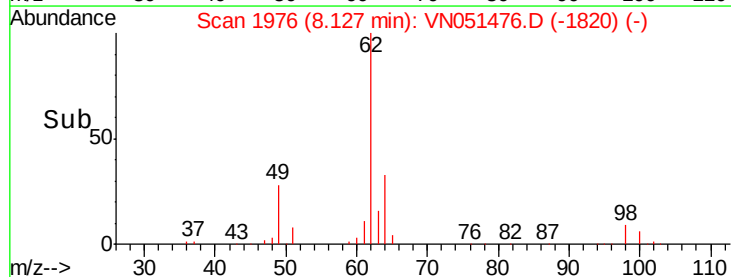
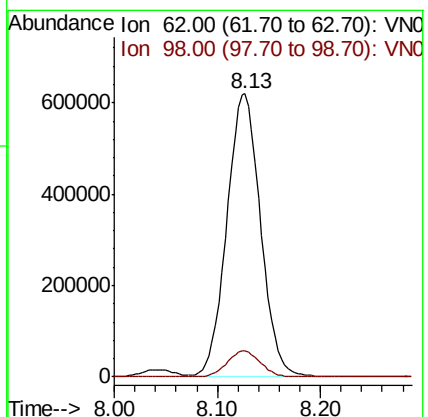
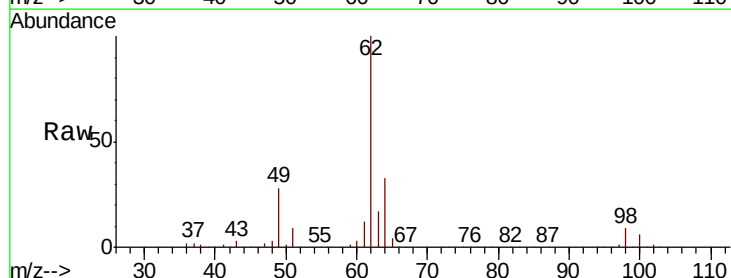
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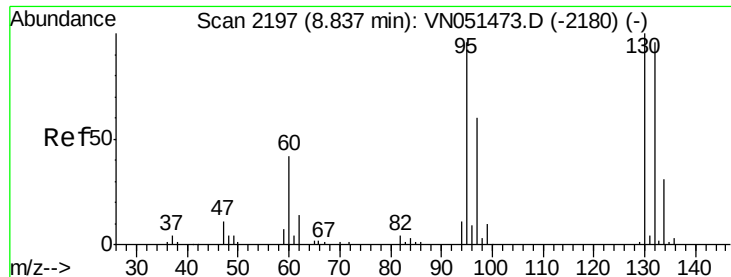
MMDadoda
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#36
1,2-Dichloroethane
Concen: 165.532 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	62	Resp	1407985
Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.9	10.3





#37

Trichloroethene

Concen: 169.114 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 1170856

Ion Ratio Lower Upper

130 100

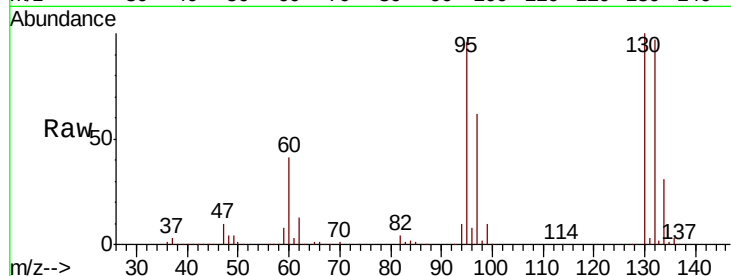
95 96.2 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

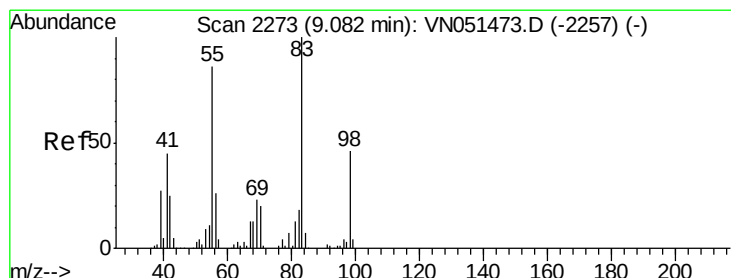
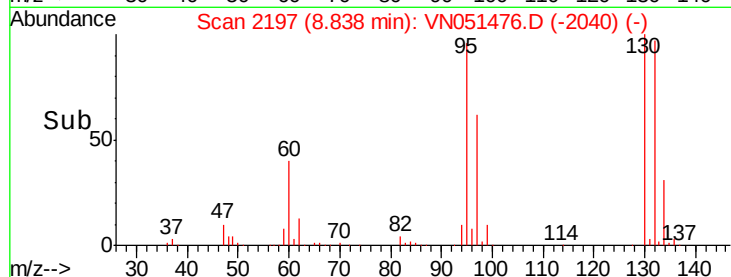
600000

400000

200000

0

Time-->



#38

Methylcyclohexane

Concen: 184.874 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

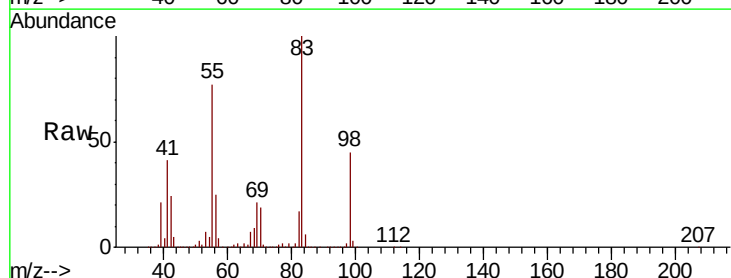
Tgt Ion: 83 Resp: 1885609

Ion Ratio Lower Upper

83 100

55 77.6 43.0 129.2

98 45.2 21.3 63.7



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

1200000

1000000

800000

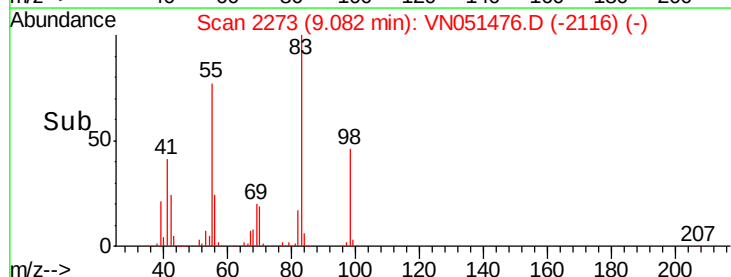
600000

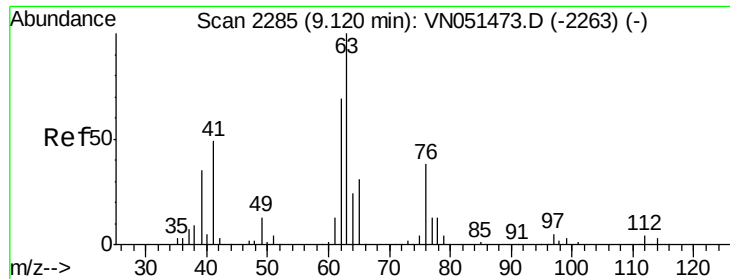
400000

200000

0

Time-->





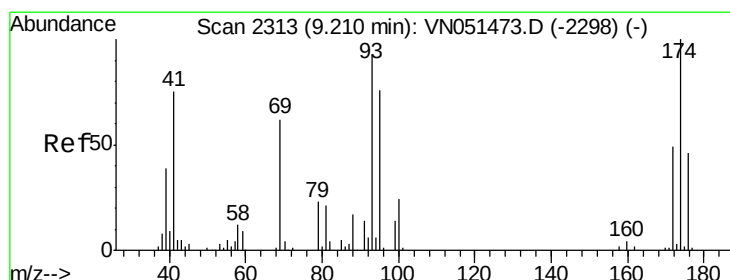
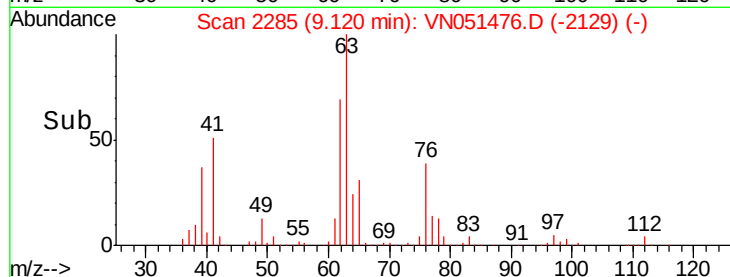
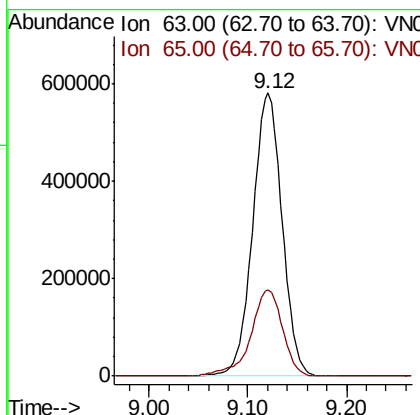
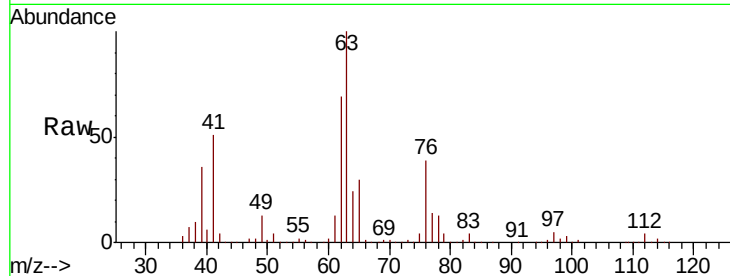
#39
 1,2-Dichloropropane
 Concen: 167.130 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1187652
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.2 34.8

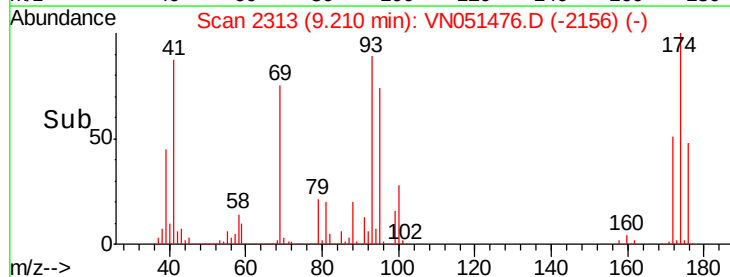
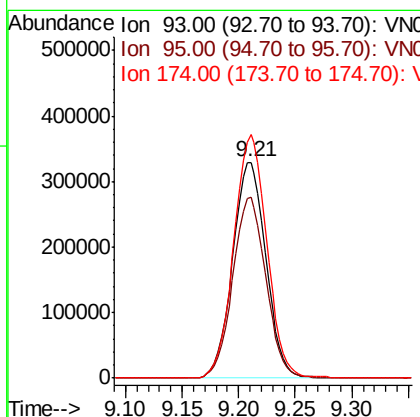
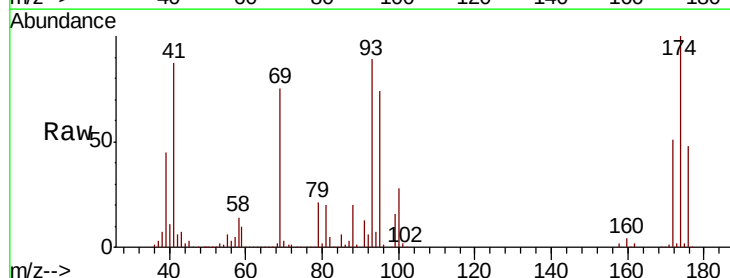
Manual Integrations
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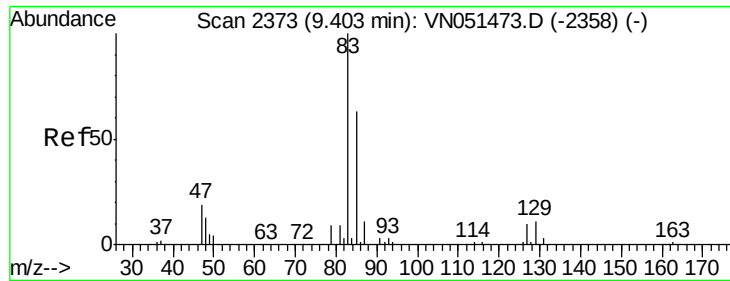
MMDadoda
 10/1/2018 11:21:28 AM



#40
 Dibromomethane
 Concen: 166.983 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 93 Resp: 675374
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 162.0
 174 112.2 0.0 214.0





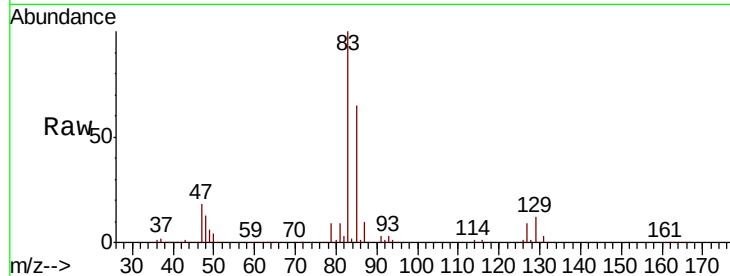
#41
Bromodichloromethane
Concen: 170.196 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1513432
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	55.7	83.5
127	9.3	8.2	12.4

Manual Integrations
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MMDadoda
10/1/2018 11:21:28 AM

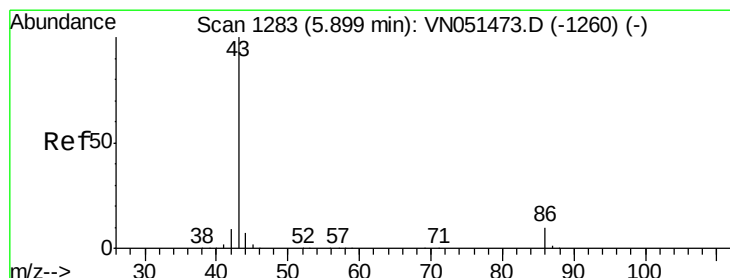
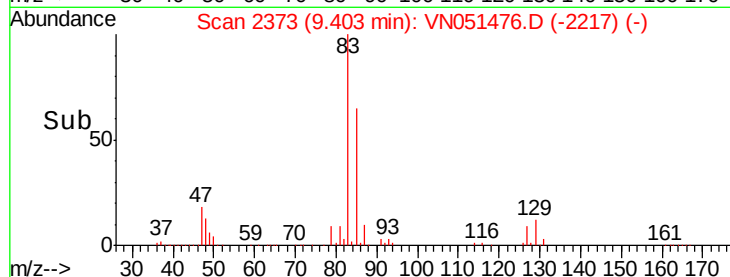
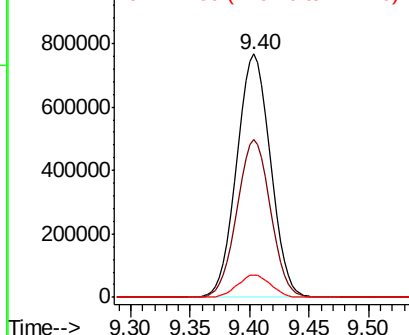


Abundance

Ion 83.00 (82.70 to 83.70): VN0

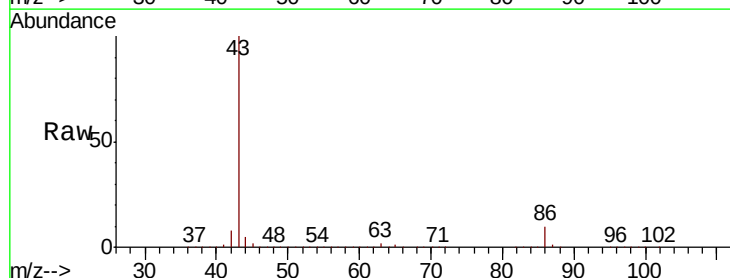
Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42
Vinyl Acetate
Concen: 914.441 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

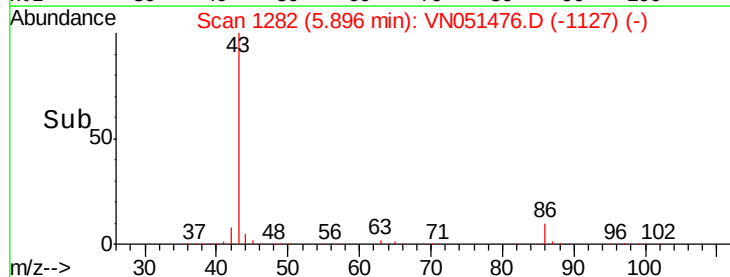
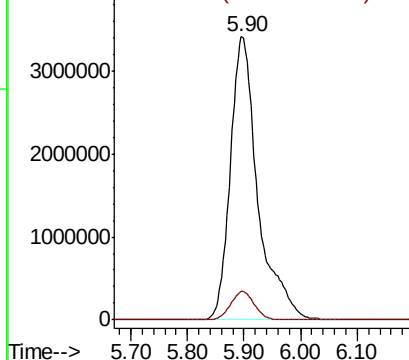
Tgt Ion	43	Resp	11556410
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.5	9.7

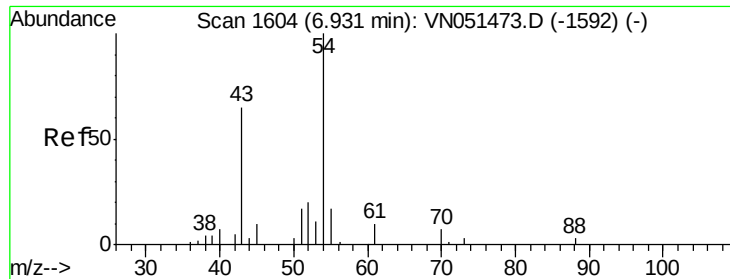


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





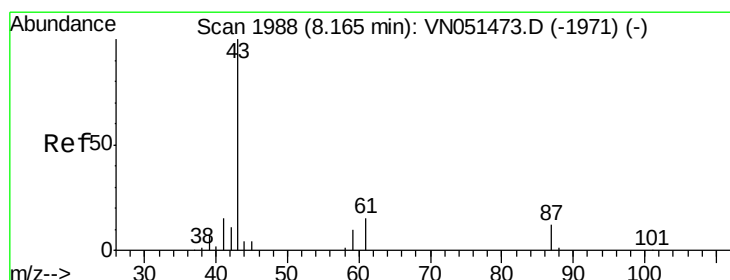
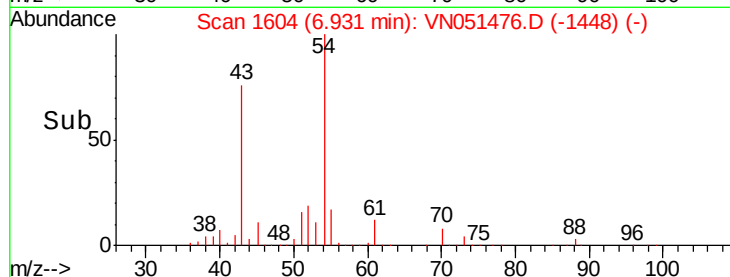
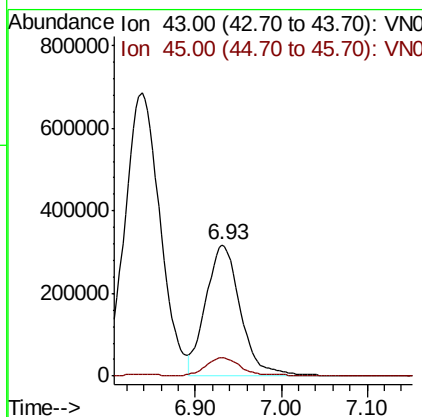
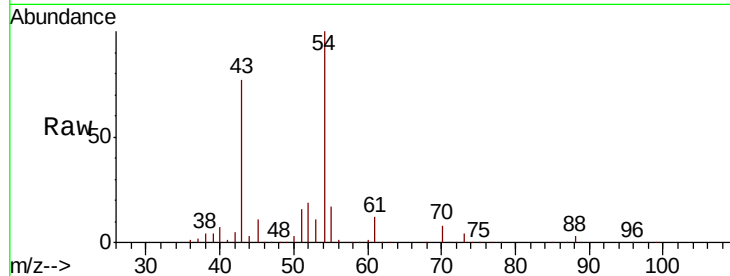
#43
Ethyl Acetate
Concen: 186.792 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 883307
Ion Ratio Lower Upper
43 100
45 13.4 11.0 16.6

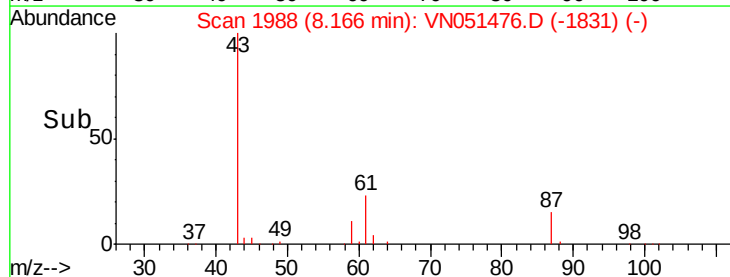
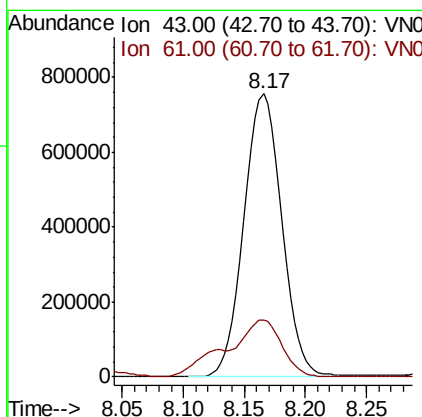
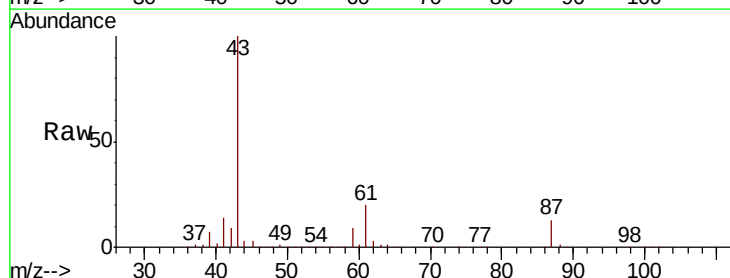
Manual Integrations
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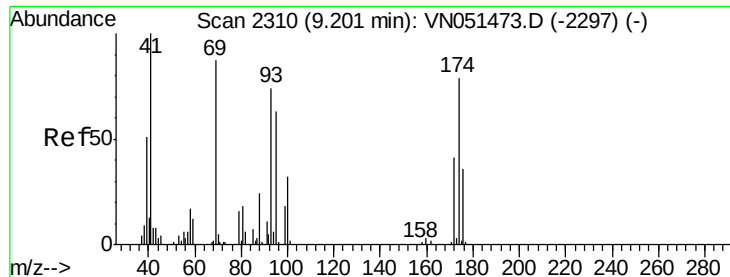
MMDadoda
10/1/2018 11:21:28 AM



#44
Isopropyl Acetate
Concen: 178.854 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 1626656
Ion Ratio Lower Upper
43 100
61 20.6 15.9 23.9





#45

1,4-Dioxane

Concen: 3574.362 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

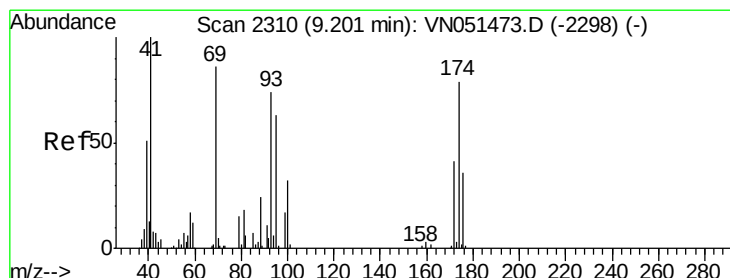
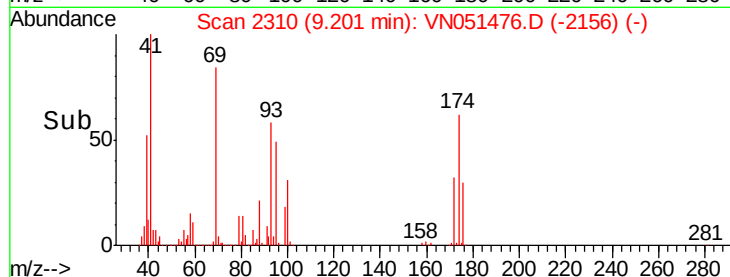
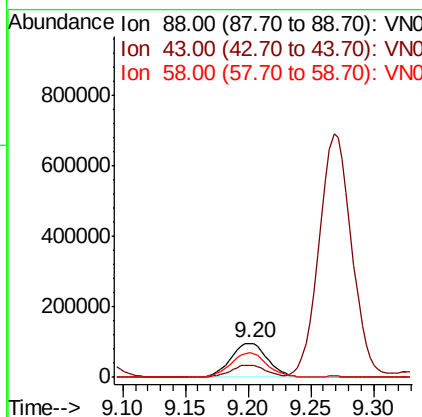
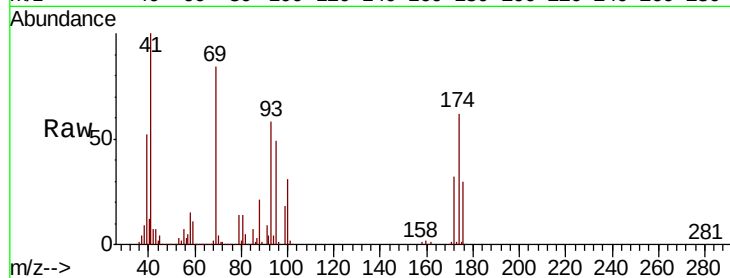
ClientSampled :

VSTDIC150

Tot Ion:	88	Resp:	197773
Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.2	39.2
58	71.6	65.6	98.4

Manual Integrations
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10/1/2018 11:21:28 AM



#46

Methyl methacrylate

Concen: 187.232 ug/l

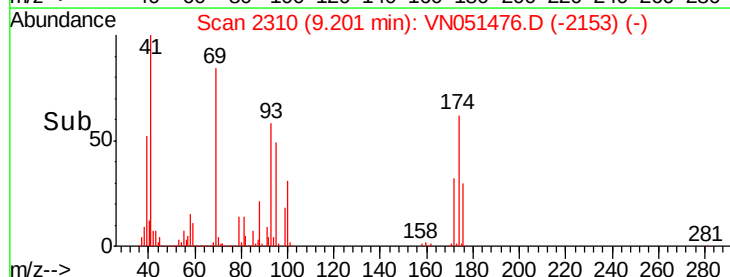
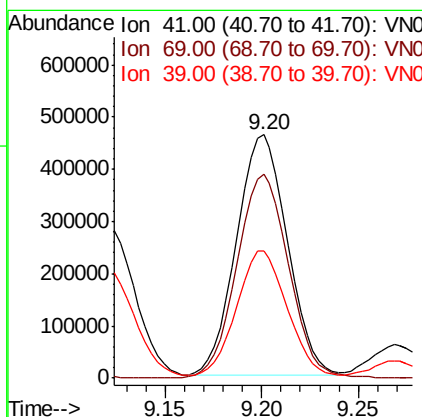
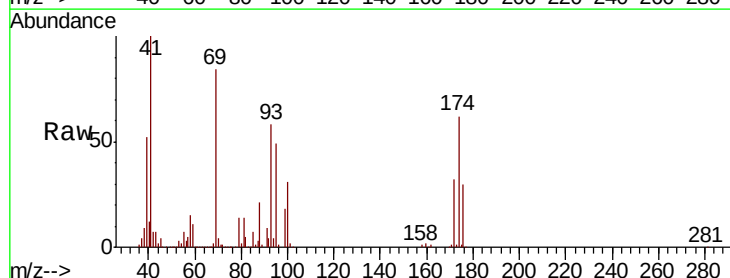
RT: 9.20 min Scan# 2310

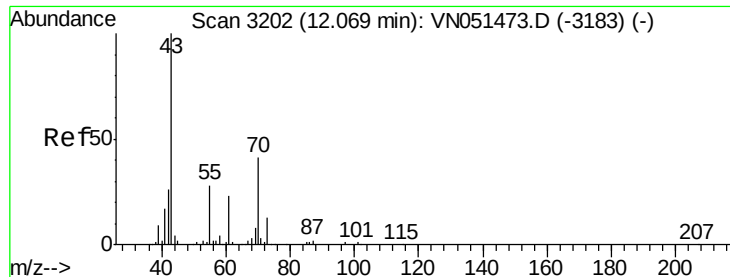
Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion:	41	Resp:	843271
Ion	Ratio	Lower	Upper
41	100		
69	84.5	40.7	122.1
39	52.1	27.3	81.9





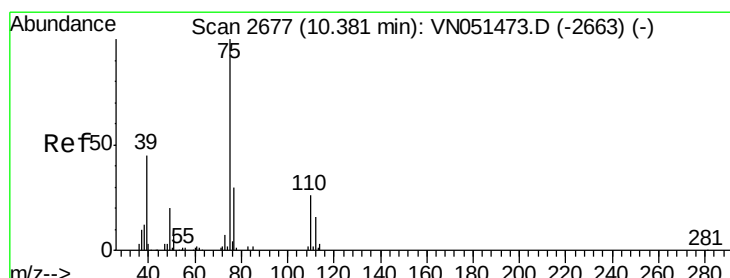
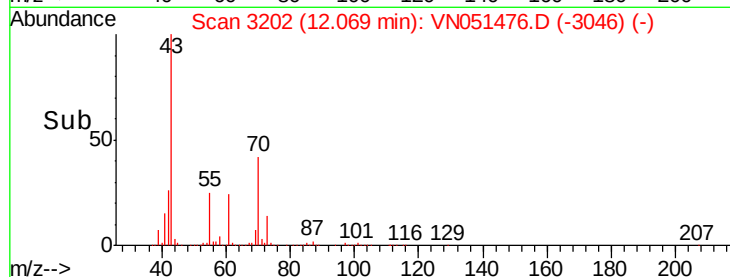
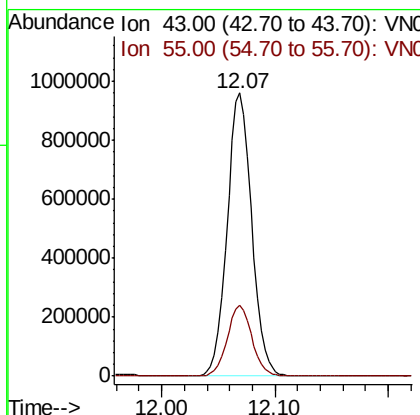
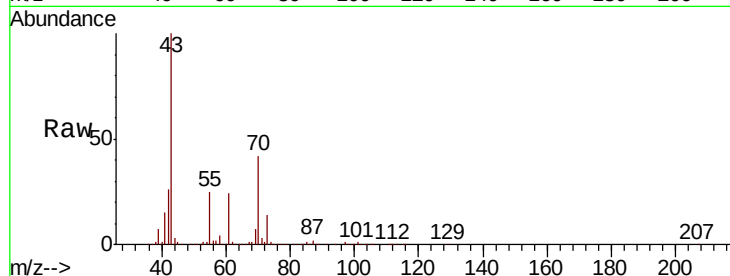
#47
n-amyl Acetate
Concen: 198.799 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1444807
Ion Ratio Lower Upper
43 100
55 25.3 12.2 18.4#

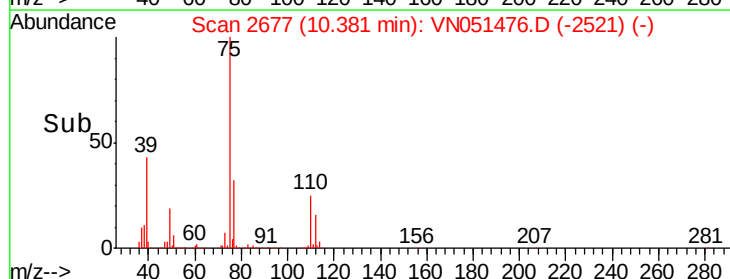
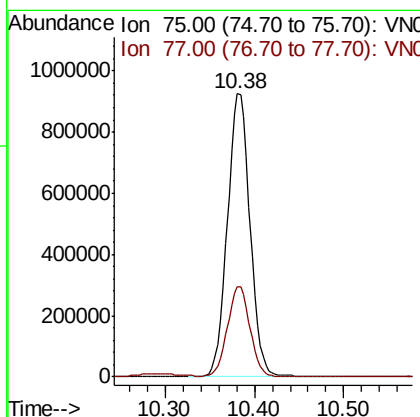
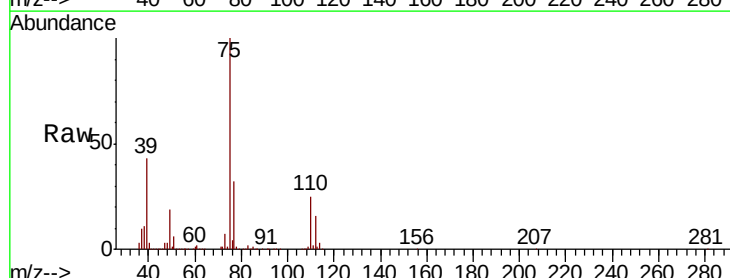
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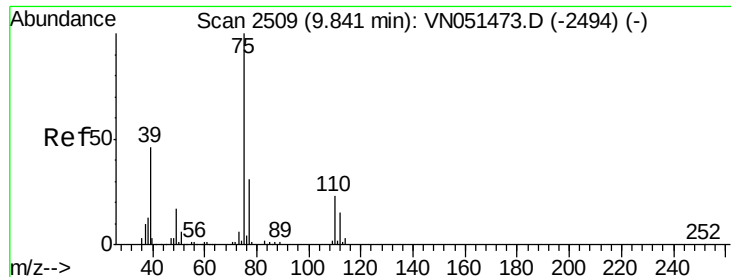
MMDadoda
10/1/2018 11:21:28 AM



#48
t-1,3-Dichloropropene
Concen: 184.085 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 75 Resp: 1625477
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 179.848 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1838229

Ion Ratio Lower Upper

75 100

77 31.9 23.2 34.8

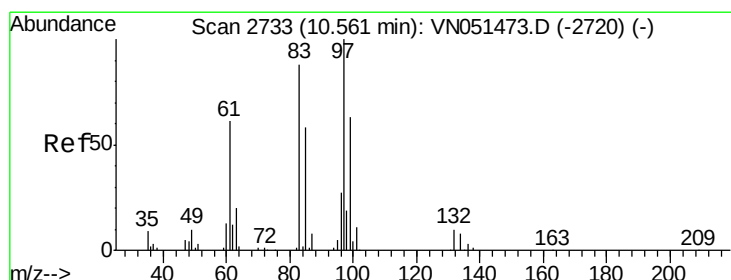
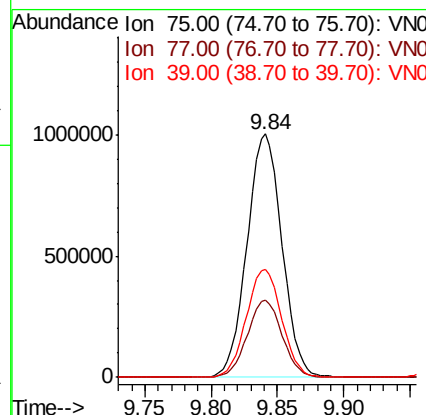
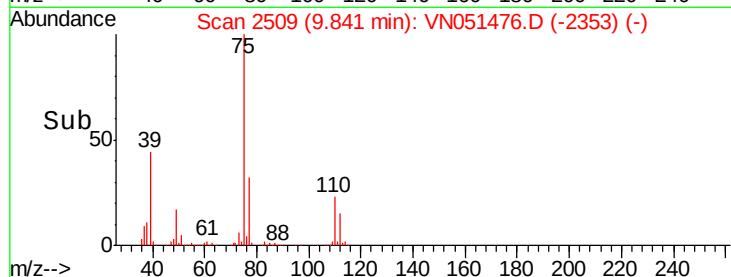
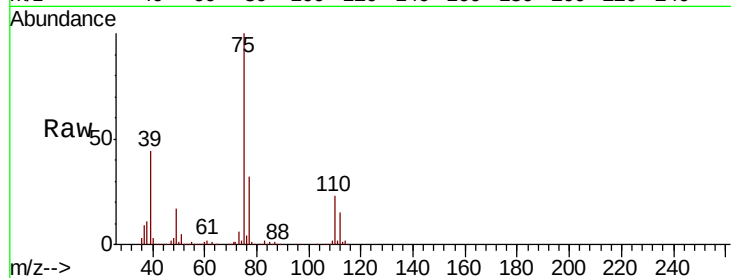
39 44.4 34.6 52.0

Manual Integrations

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#50

1,1,2-Trichloroethane

Concen: 165.673 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion: 97 Resp: 958078

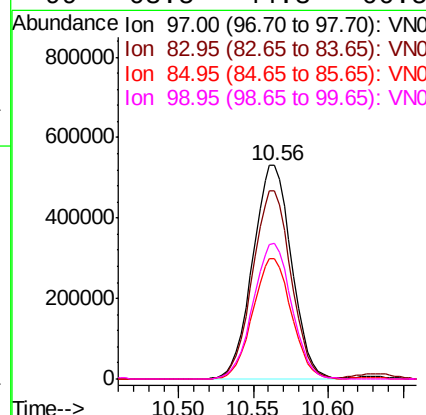
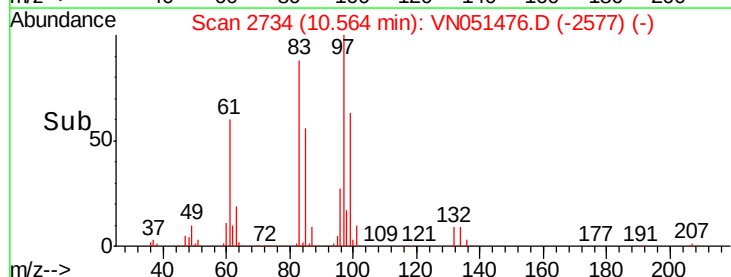
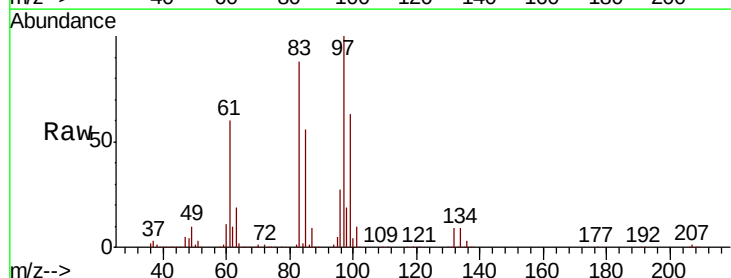
Ion Ratio Lower Upper

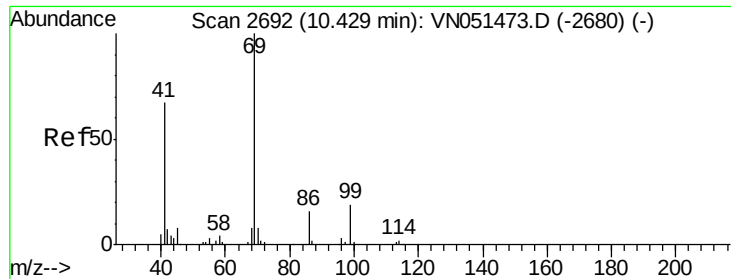
97 100

83 87.9 68.2 102.4

85 56.2 42.5 63.7

99 63.5 44.3 66.5





#51

Ethyl methacrylate

Concen: 189.908 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 69 Resp: 1299755

Ion Ratio Lower Upper

69 100

41 66.2 34.4 103.1

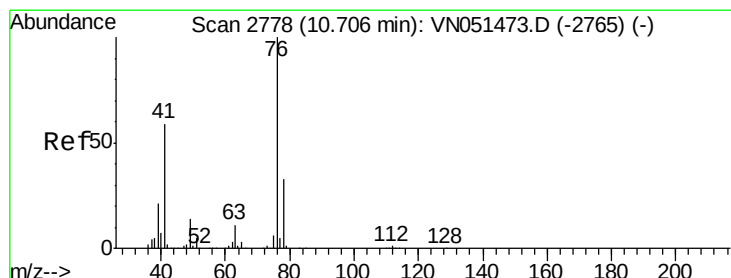
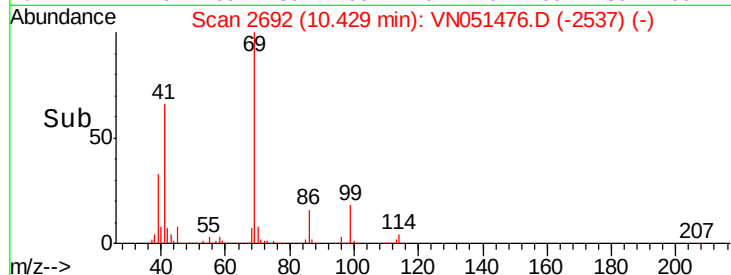
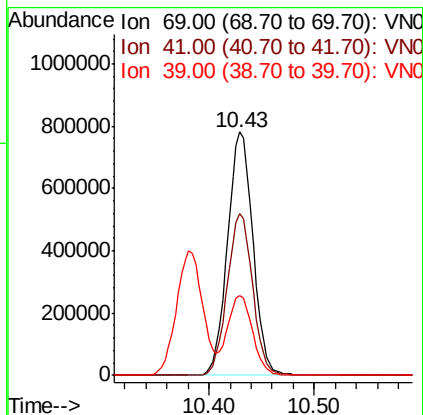
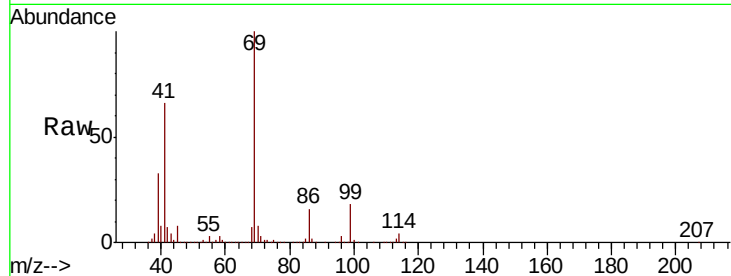
39 32.7 16.3 48.8

Manual Integrations

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#52

1,3-Dichloropropane

Concen: 171.384 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051476.D

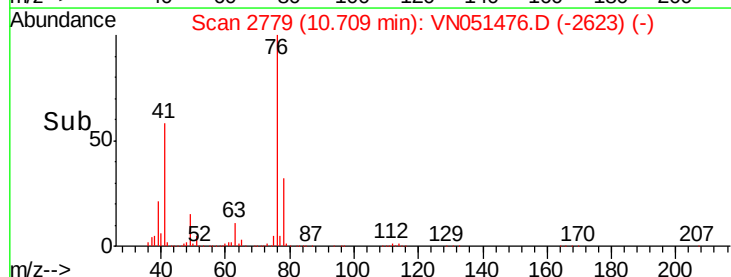
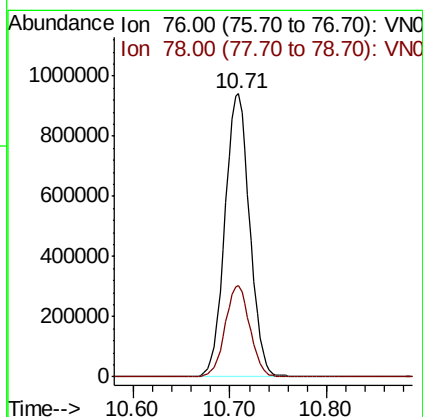
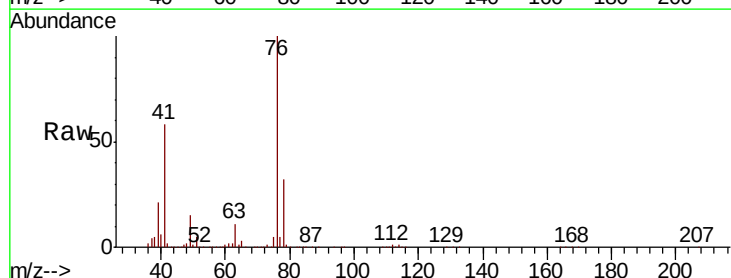
Acq: 25 Sep 2018 10:49

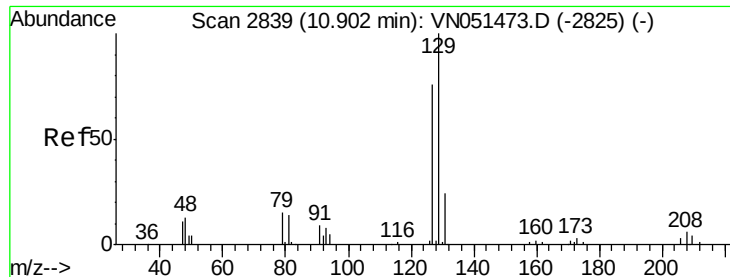
Tgt Ion: 76 Resp: 1672039

Ion Ratio Lower Upper

76 100

78 32.3 0.0 67.6





#53

Dibromochloromethane

Concen: 175.578 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 1167935

Ion Ratio Lower Upper

129 100

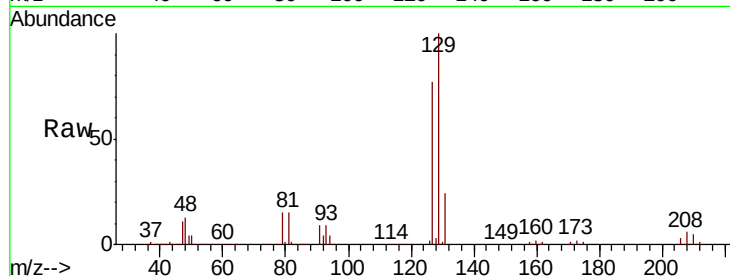
127 77.4 40.2 120.5

Manual Integrations

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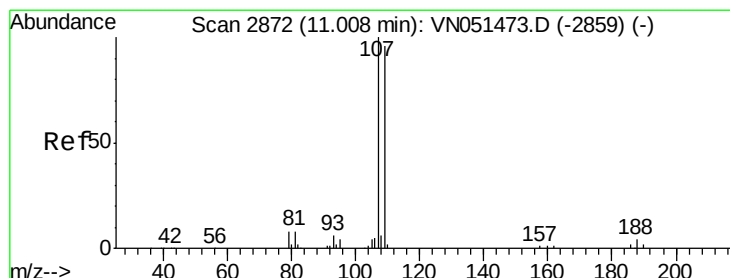
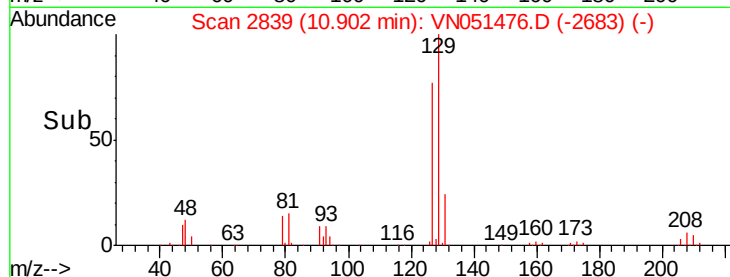
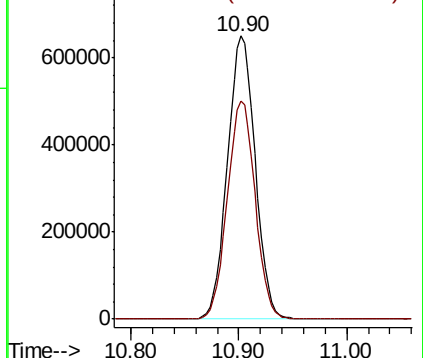
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 173.387 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN051476.D

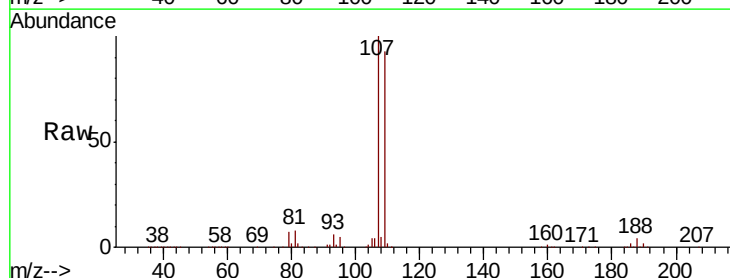
Acq: 25 Sep 2018 10:49

Tgt Ion:107 Resp: 967465

Ion Ratio Lower Upper

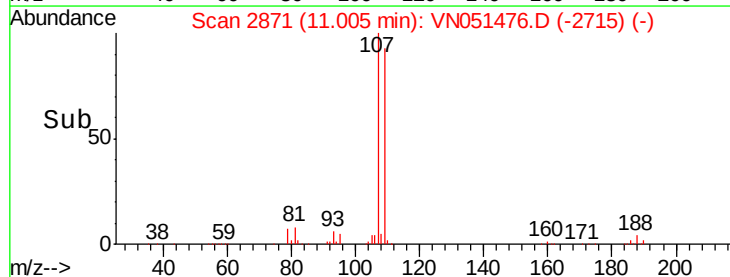
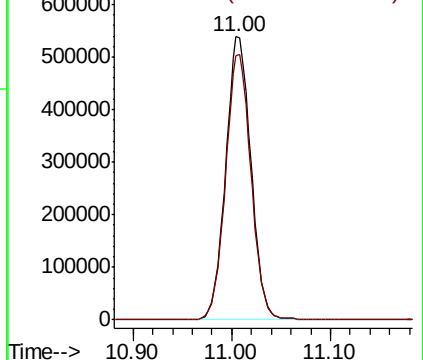
107 100

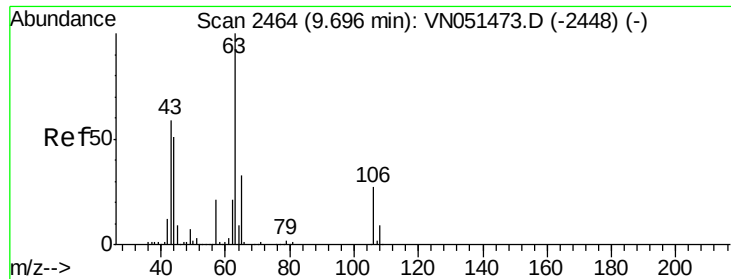
109 94.4 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 960.633 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 3246548

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.0

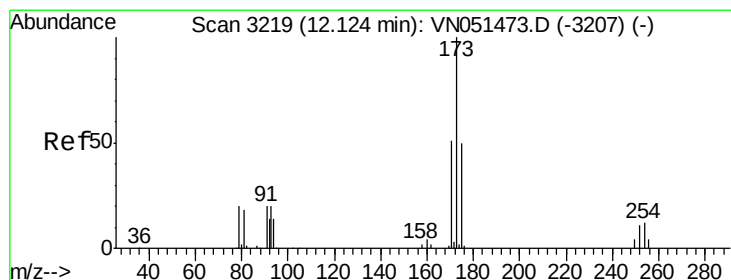
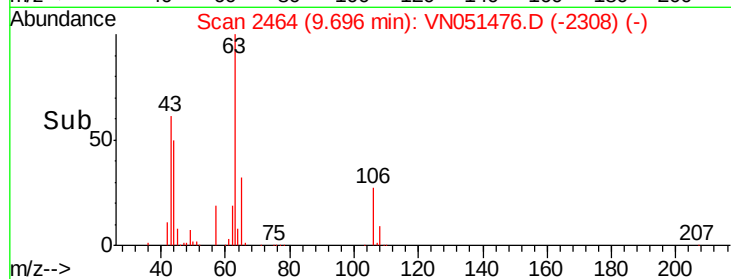
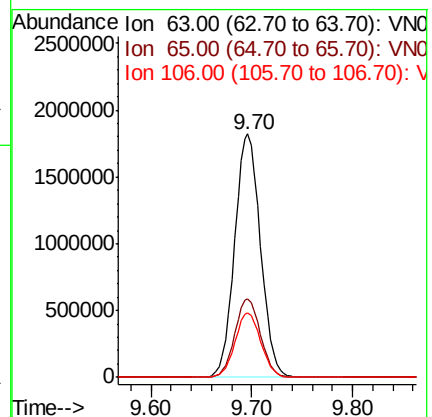
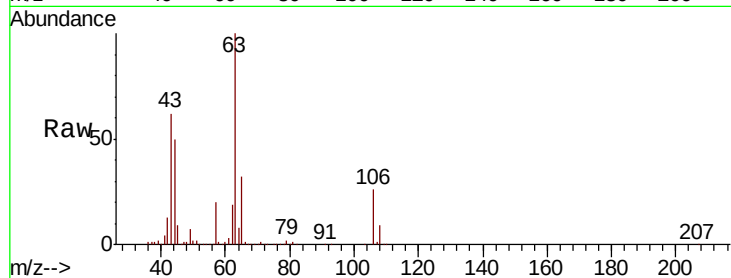
106 26.5 21.2 31.8

Manual Integrations

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#56

Bromoform

Concen: 177.622 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

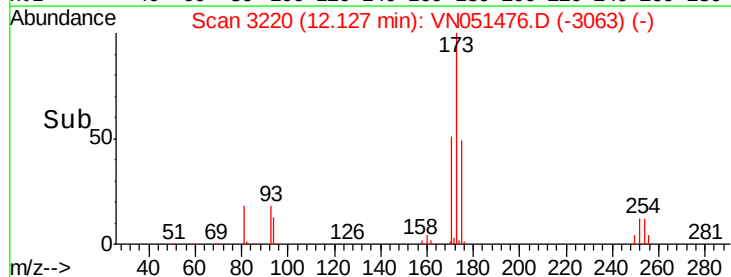
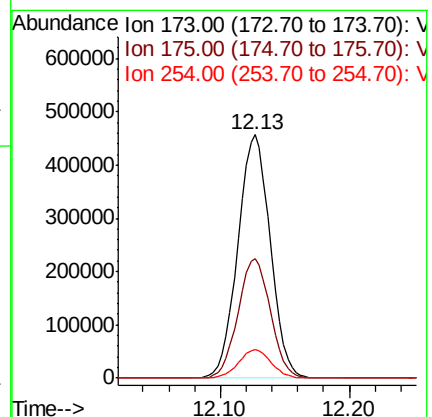
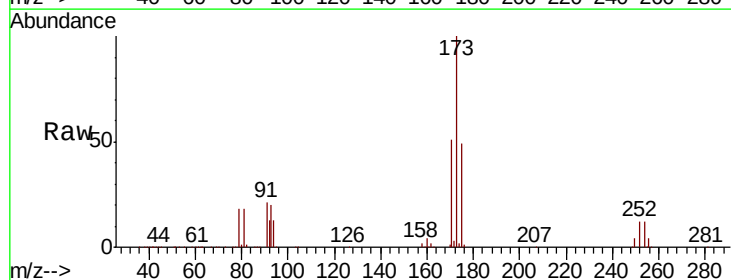
Tgt Ion: 173 Resp: 796566

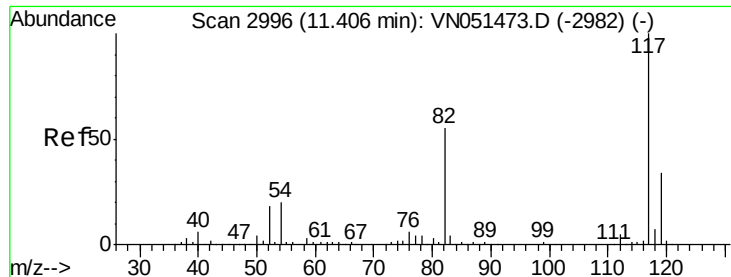
Ion Ratio Lower Upper

173 100

175 49.1 35.8 53.8

254 11.8 8.6 13.0





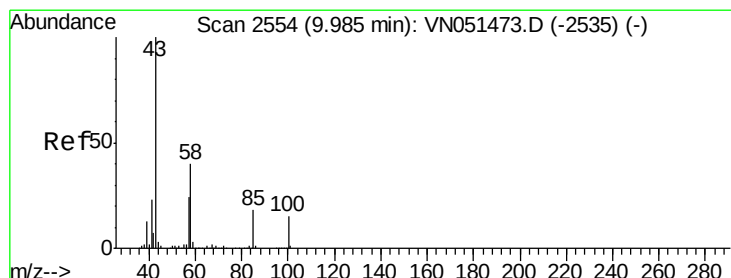
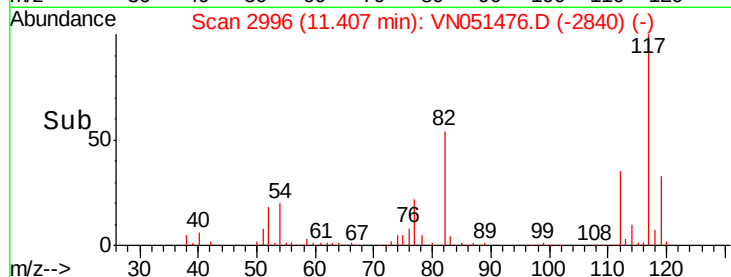
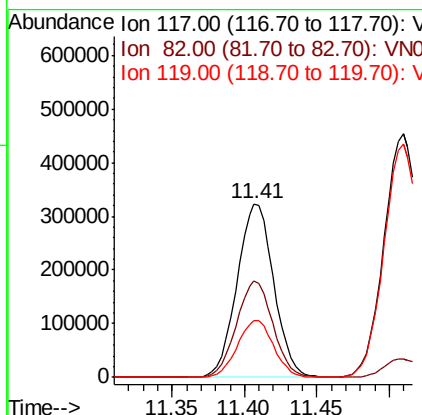
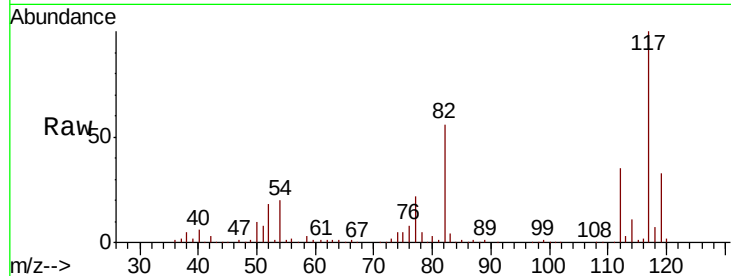
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.1	66.1
119	32.5	25.8	38.8

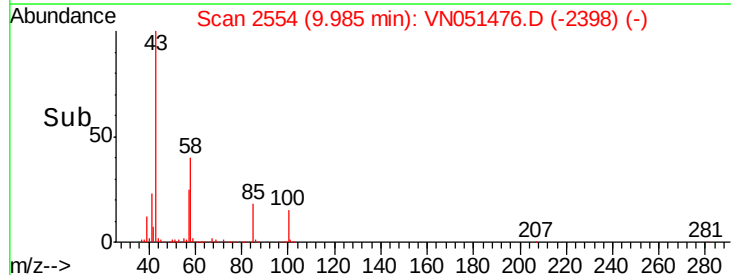
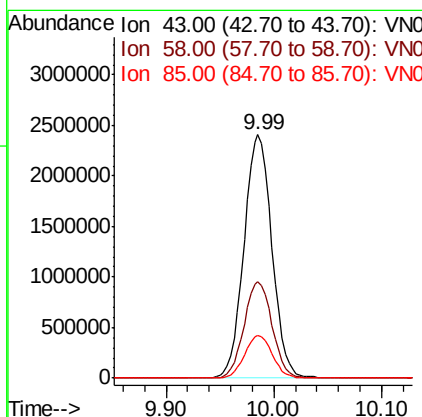
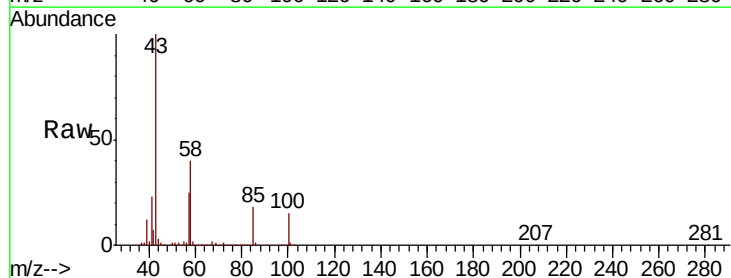
Manual Integrations
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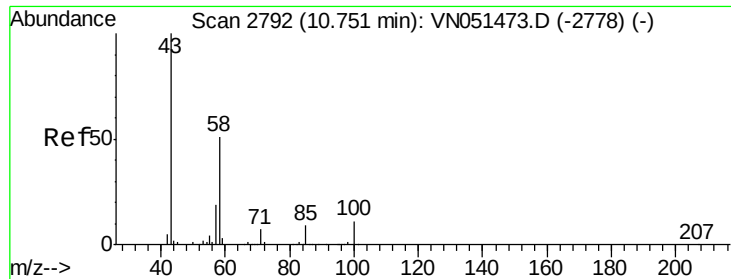
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 868.088 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.3	43.9
85	17.6	12.6	18.8





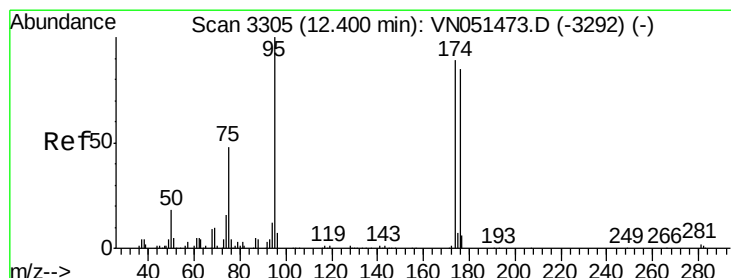
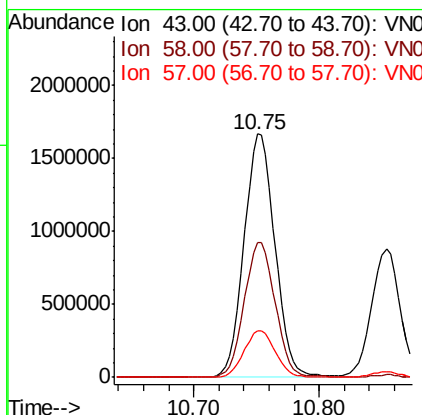
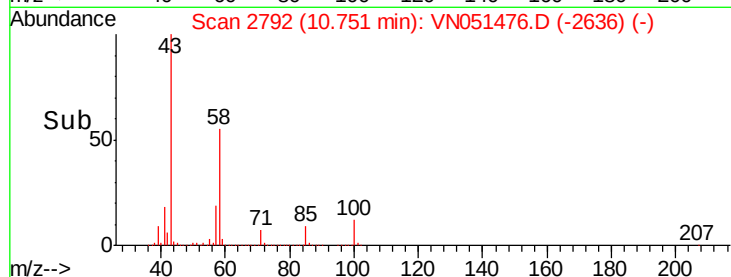
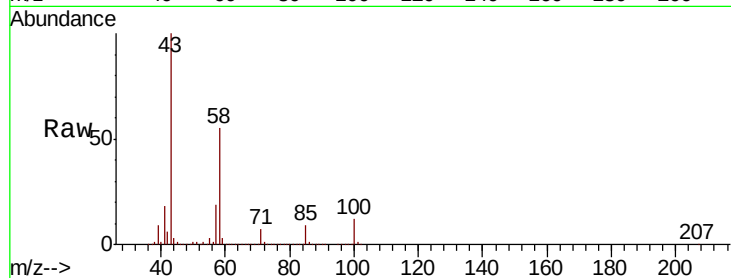
#59
2-Hexanone
Concen: 873.625 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	41.3	61.9
57	19.6	13.4	20.0

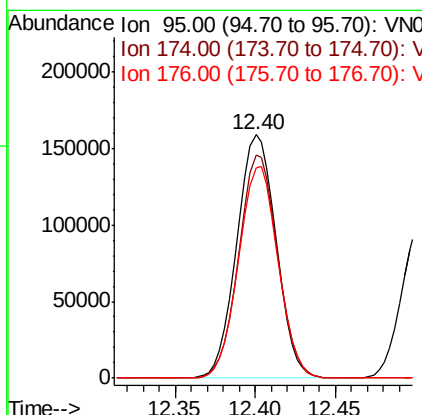
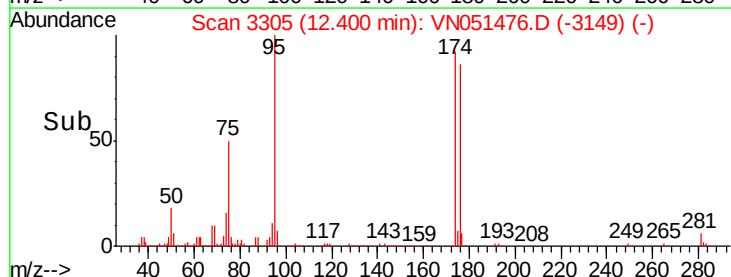
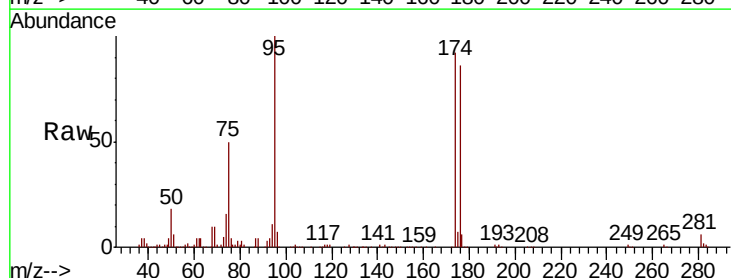
Manual Integrations
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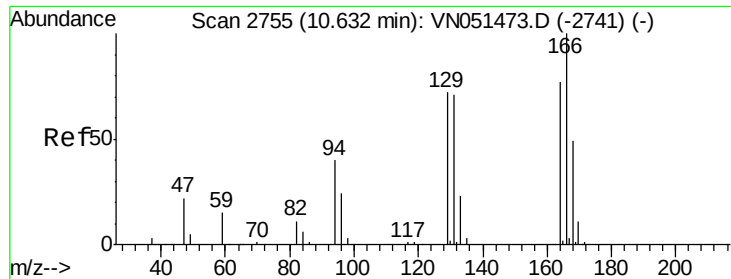
MMDadoda
10/1/2018 11:21:28 AM



#60
4-Bromofluorobenzene
Concen: 31.968 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	73.5	110.3
176	87.0	70.2	105.2





#61

Tetrachloroethene

Concen: 164.530 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1086131

Ion Ratio Lower Upper

164 100

166 127.7 98.7 148.1

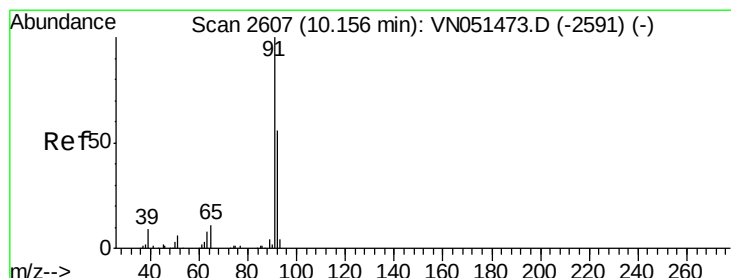
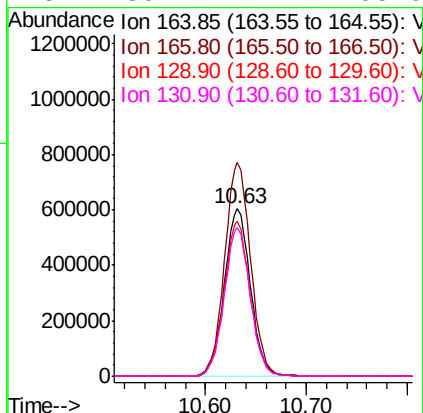
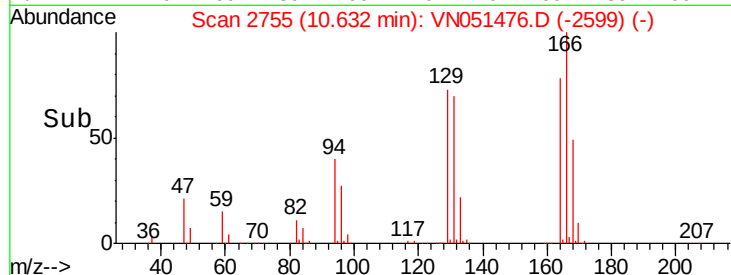
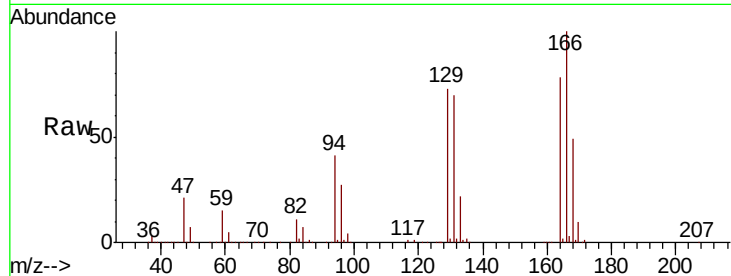
129 92.9 69.6 104.4

131 89.2 72.4 108.6

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10/1/2018 11:21:28 AM



#62

Toluene

Concen: 168.034 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051476.D

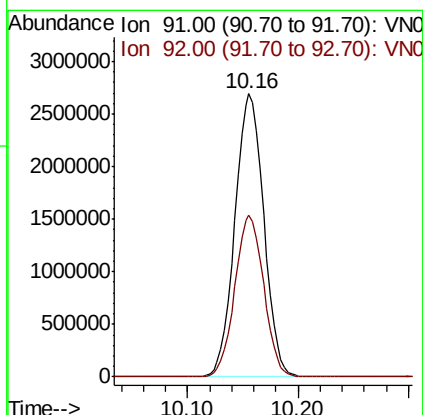
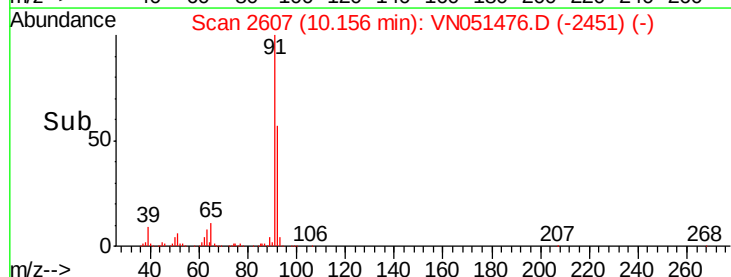
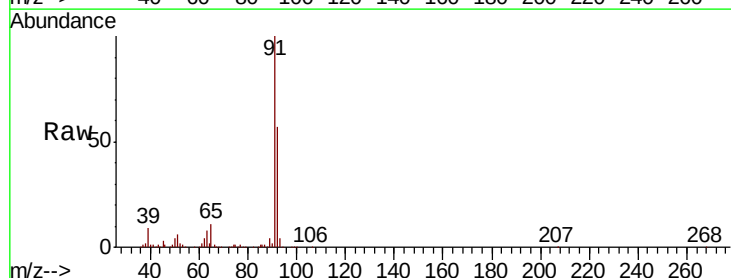
Acq: 25 Sep 2018 10:49

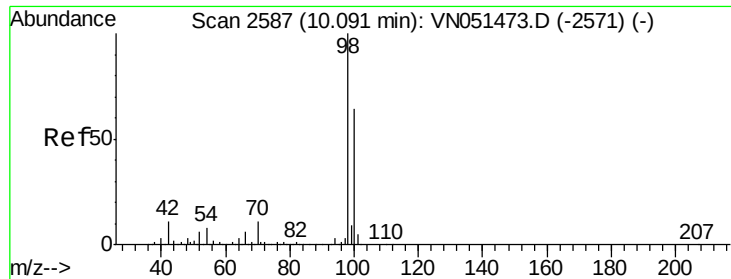
Tgt Ion: 91 Resp: 4881034

Ion Ratio Lower Upper

91 100

92 57.1 44.6 66.8





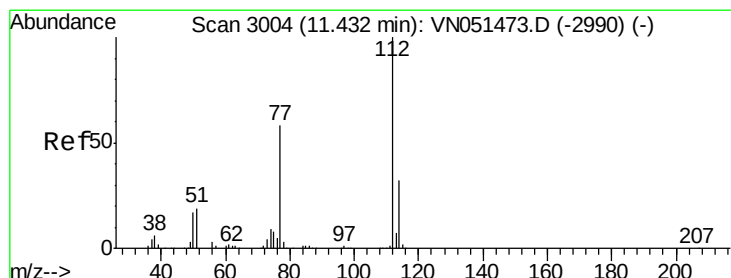
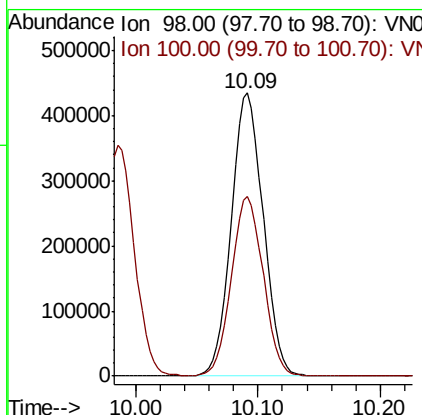
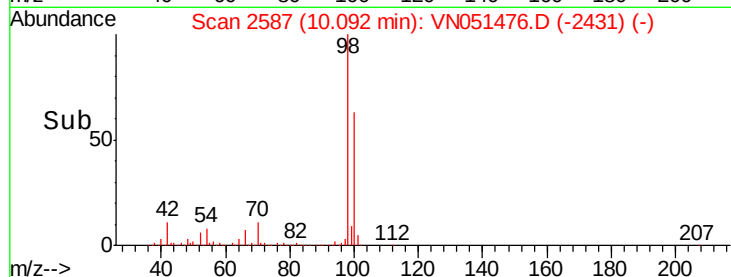
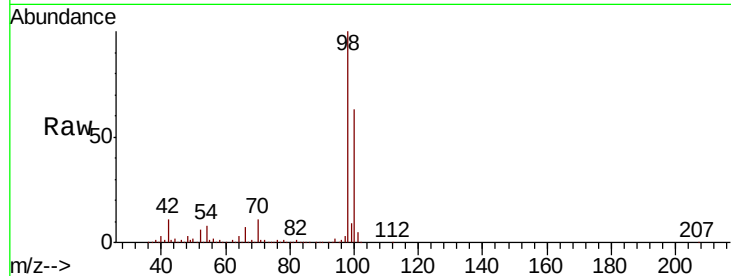
#63
Toluene-d8
Concen: 29.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 791833
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2

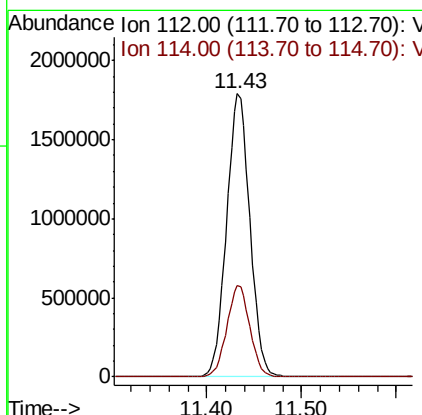
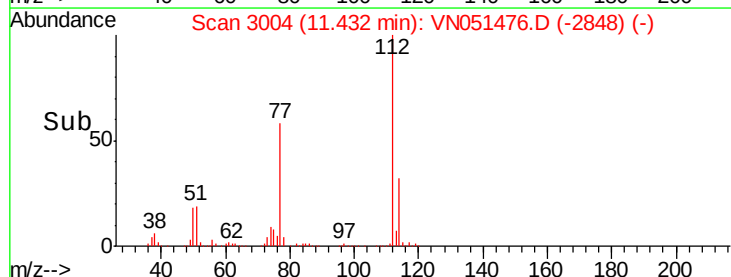
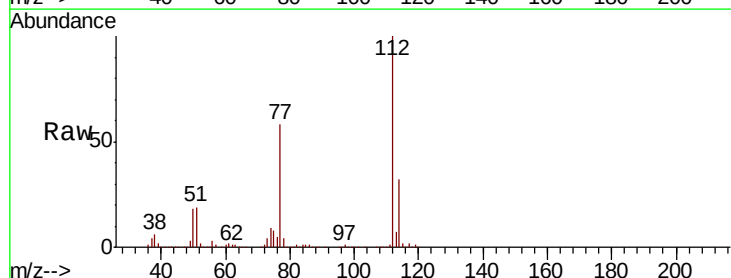
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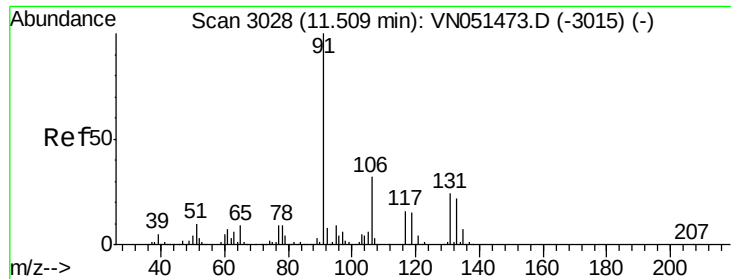
MMDadoda
10/1/2018 11:21:28 AM



#64
Chlorobenzene
Concen: 171.656 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 112 Resp: 3057100
Ion Ratio Lower Upper
112 100
114 32.4 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 168.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:131 Resp: 1158551

Ion Ratio Lower Upper

131 100

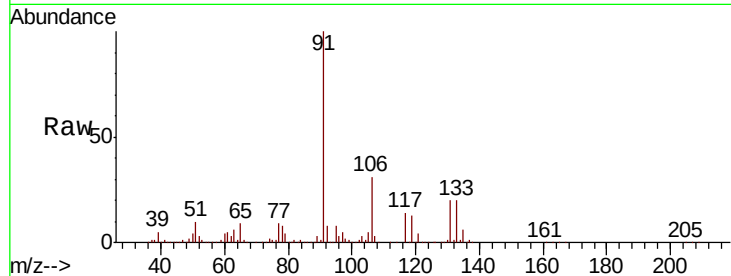
133 95.2 0.0 190.4

119 65.3 0.0 128.0

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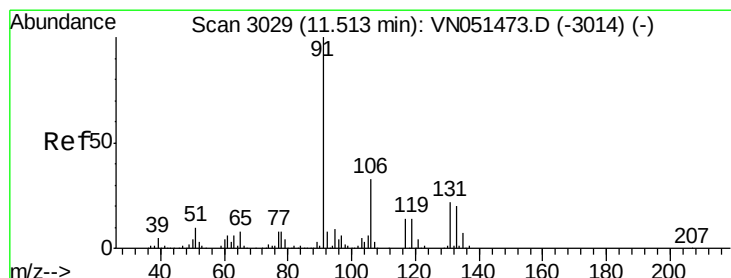
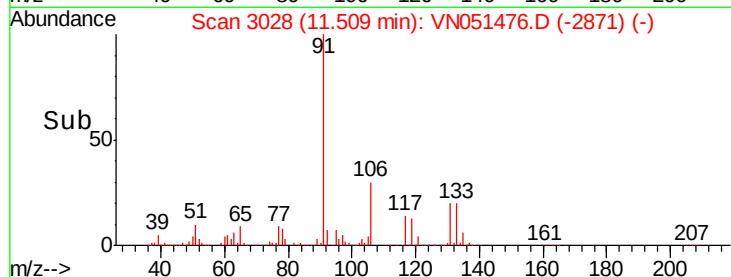
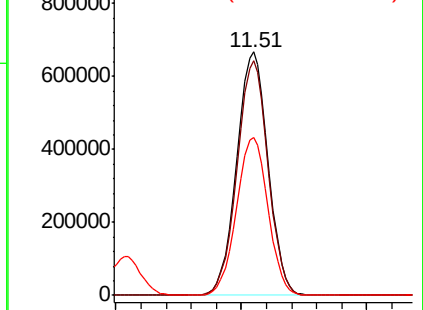
10/1/2018 11:21:28 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 181.004 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051476.D

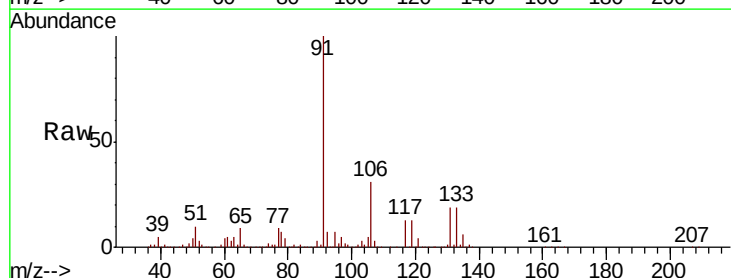
Acq: 25 Sep 2018 10:49

Tgt Ion: 91 Resp: 5424150

Ion Ratio Lower Upper

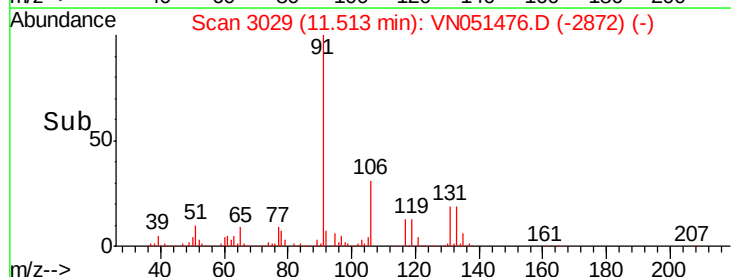
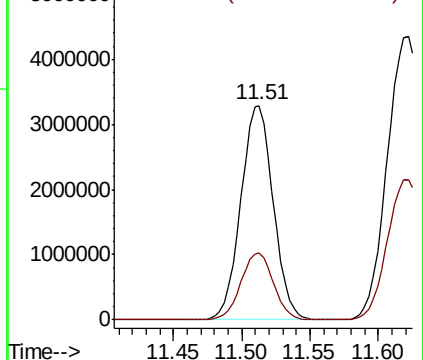
91 100

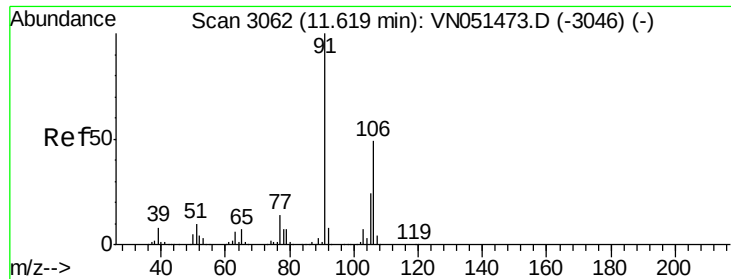
106 31.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





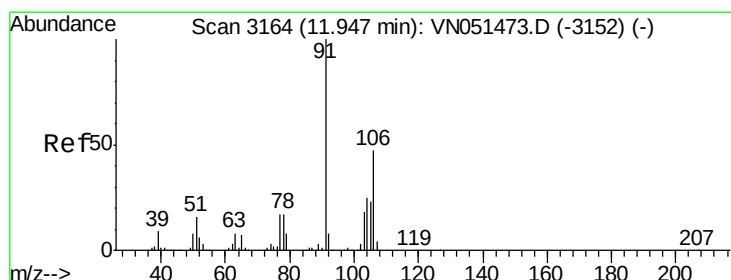
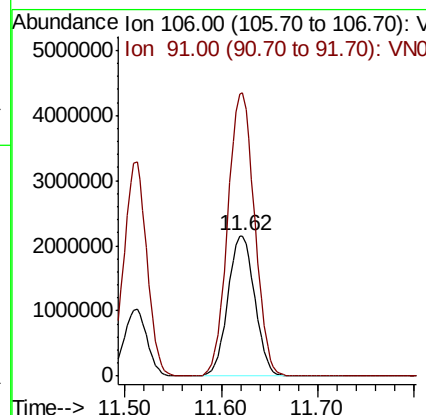
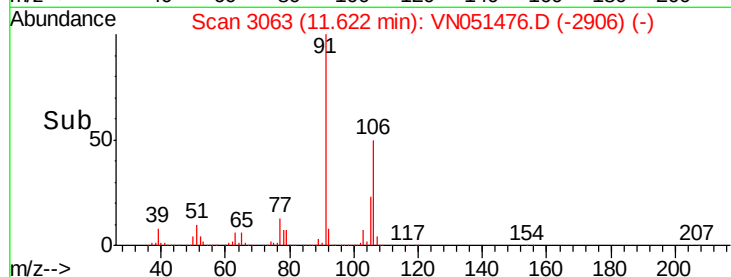
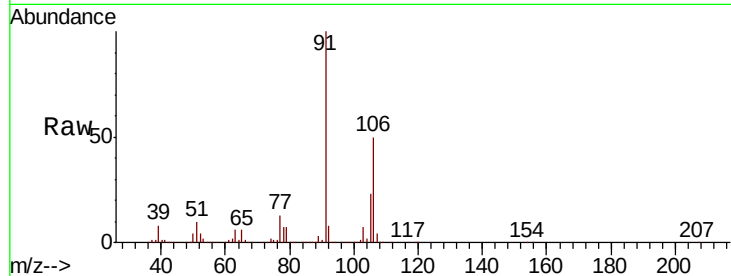
#67
m/p-Xylenes
Concen: 359.881 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 4151772
Ion Ratio Lower Upper
106 100
91 201.6 158.8 238.2

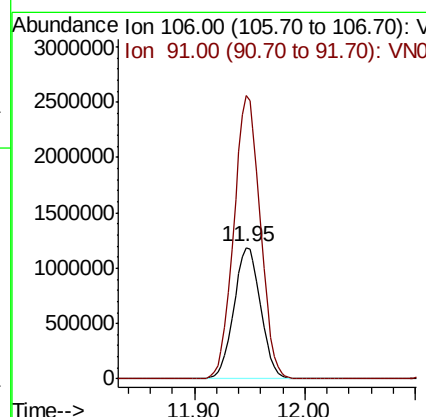
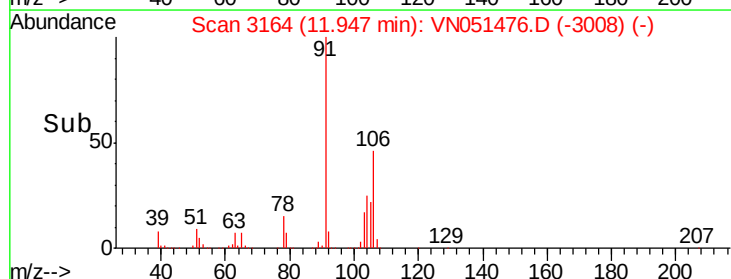
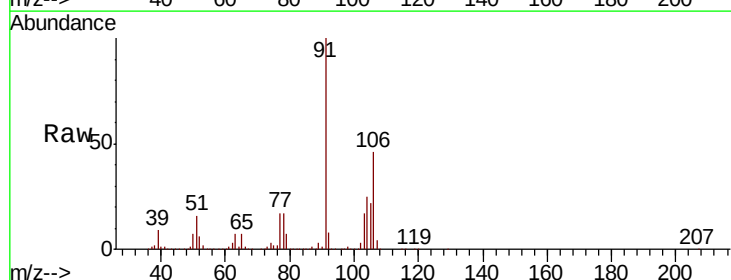
Manual Integrations
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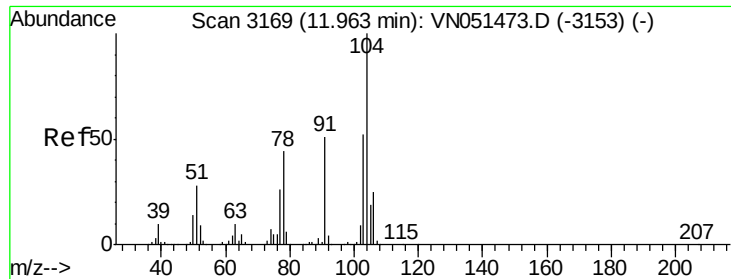
MMDadoda
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#68
o-Xylene
Concen: 181.201 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion:106 Resp: 1990991
Ion Ratio Lower Upper
106 100
91 213.4 111.1 333.3





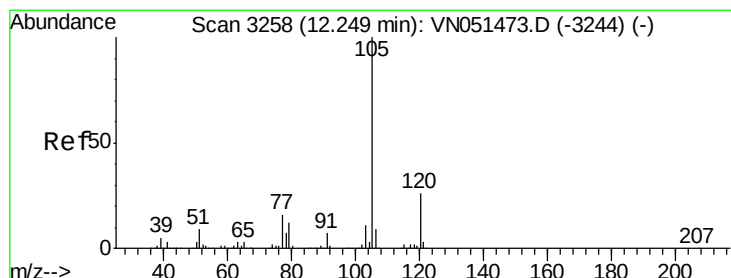
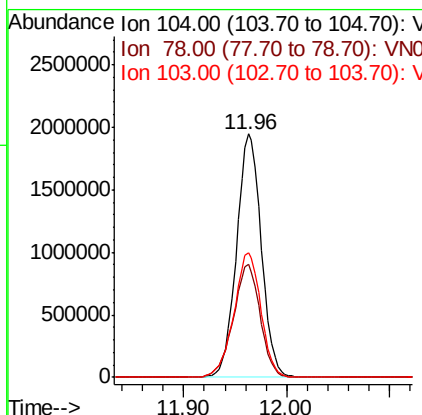
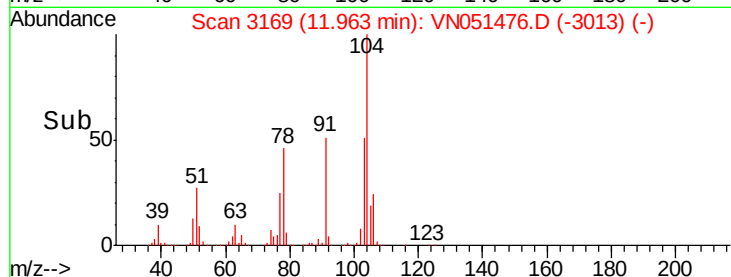
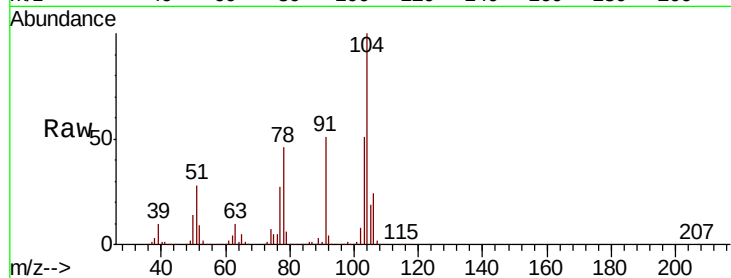
#69
Stvrene
Concen: 186.896 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.6	60.8
103	55.7	44.0	66.0

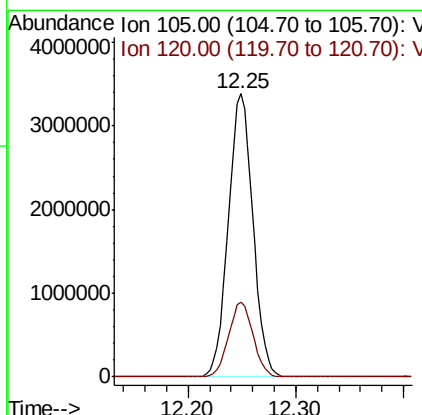
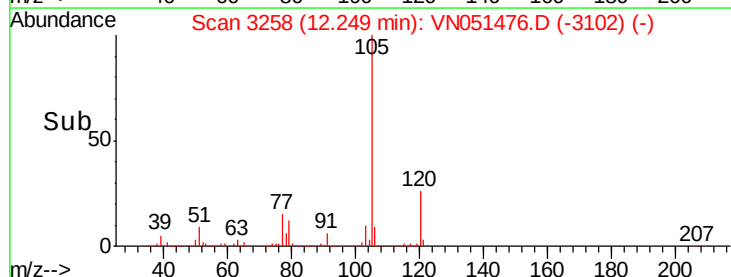
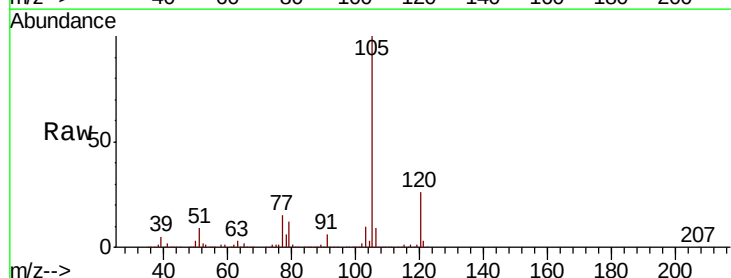
Manual Integrations
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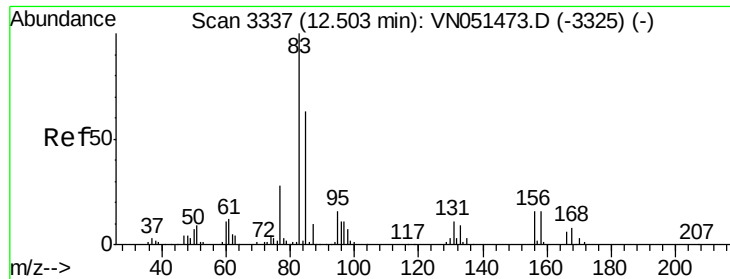
MMDadoda
10/1/2018 11:21:28 AM



#70
Isopropylbenzene
Concen: 182.832 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	19.0	35.4





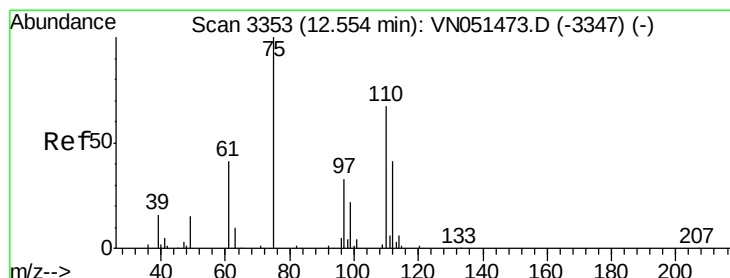
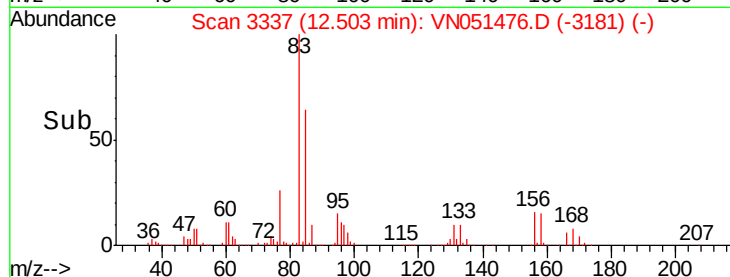
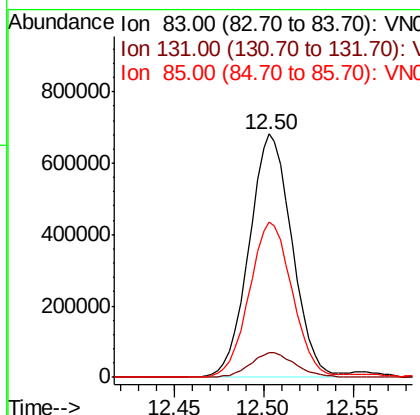
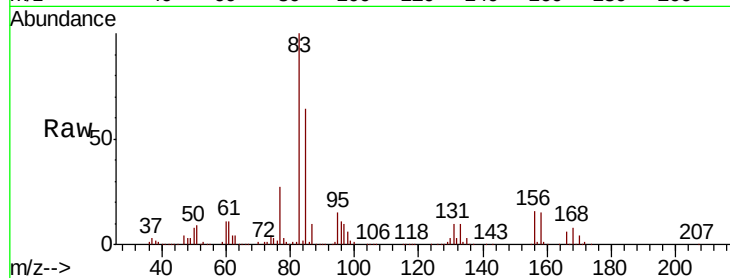
#71
 1,1,2,2-Tetrachloroethane
 Concen: 165.352 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	1144591
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	64.1	30.6	91.8

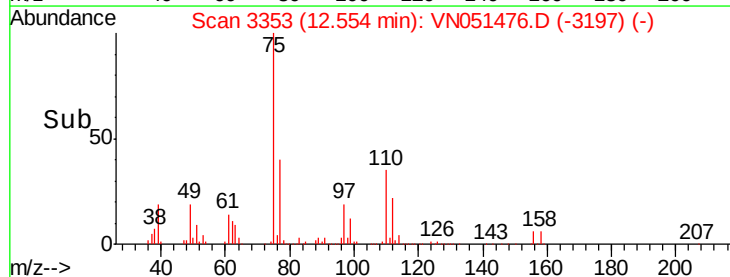
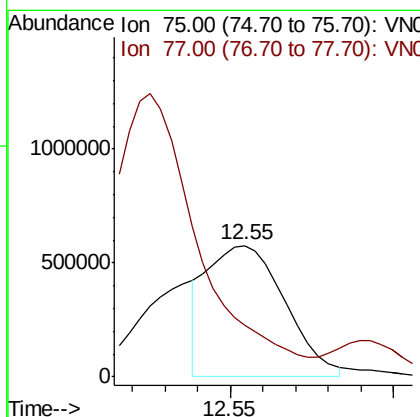
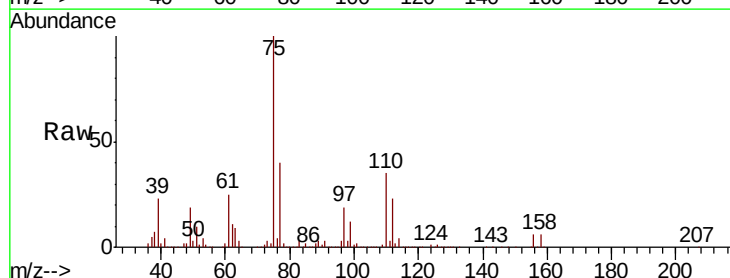
Manual Integrations
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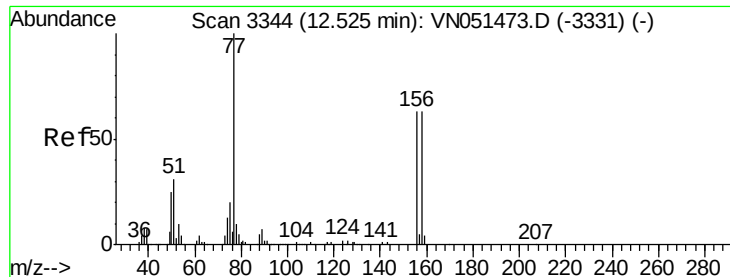
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 176.065 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion	75	Resp	961084
Ion Ratio	100	Lower	Upper
75	100		
77	250.6	0.0	400.0





#73

Bromobenzene

Concen: 177.666 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1316673

Ion Ratio Lower Upper

156 100

77 182.9 0.0 377.4

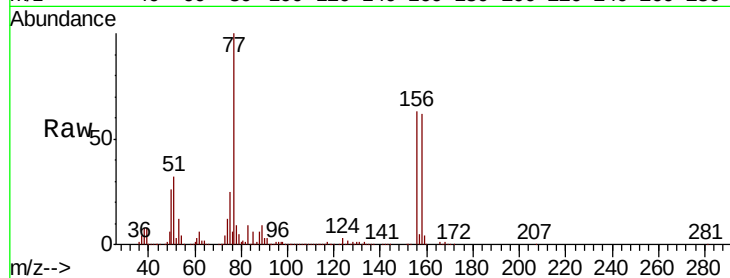
158 98.5 0.0 203.0

Manual Integrations

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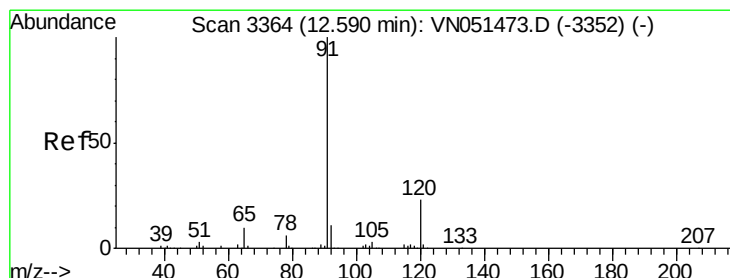
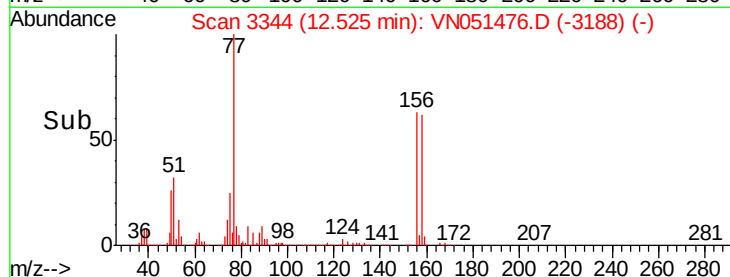
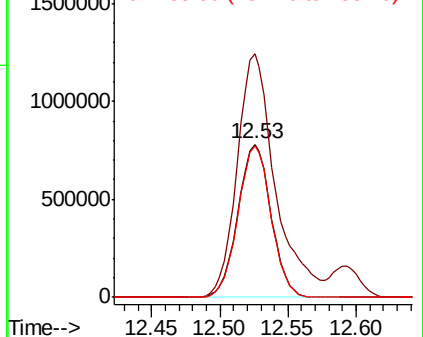
10/1/2018 11:21:28 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 190.214 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051476.D

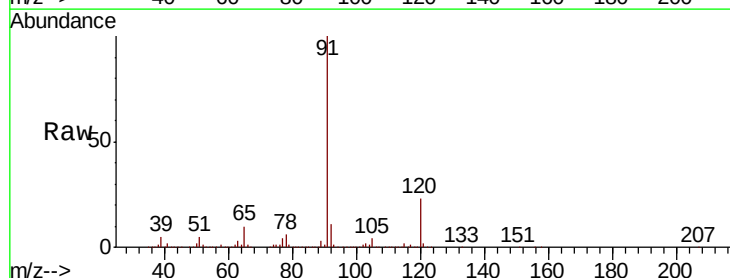
Acq: 25 Sep 2018 10:49

Tgt Ion: 91 Resp: 6502745

Ion Ratio Lower Upper

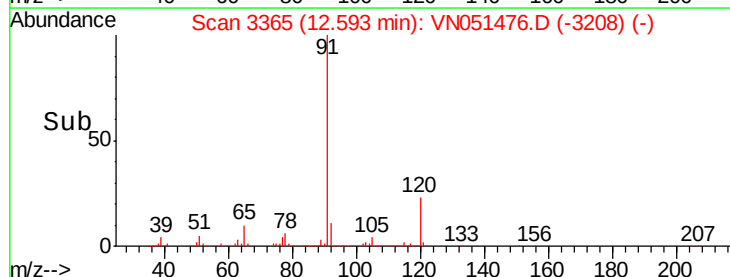
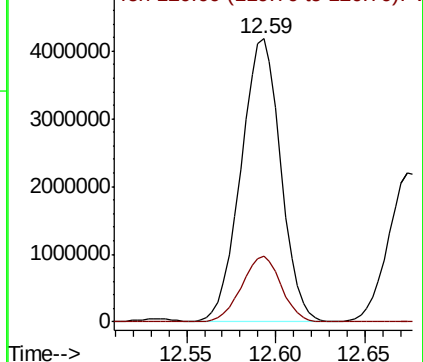
91 100

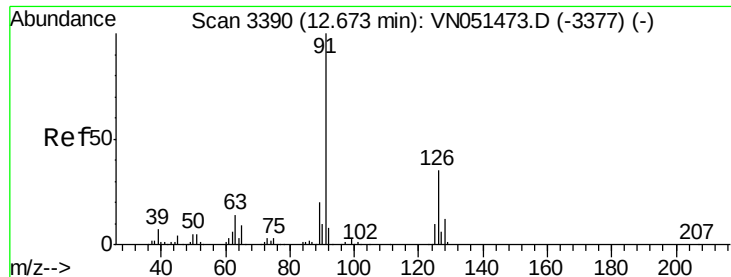
120 23.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 178.826 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3607798

Ion Ratio Lower Upper

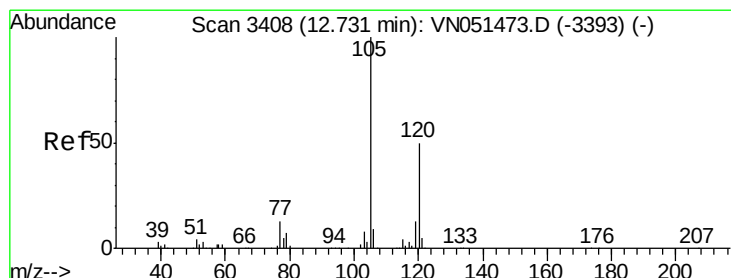
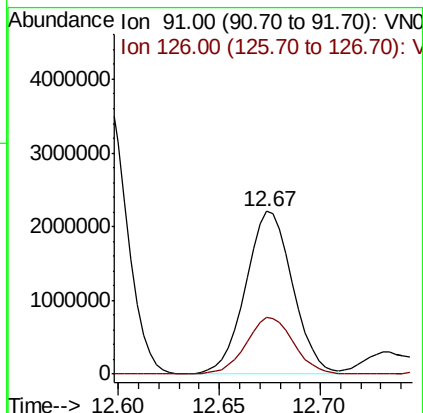
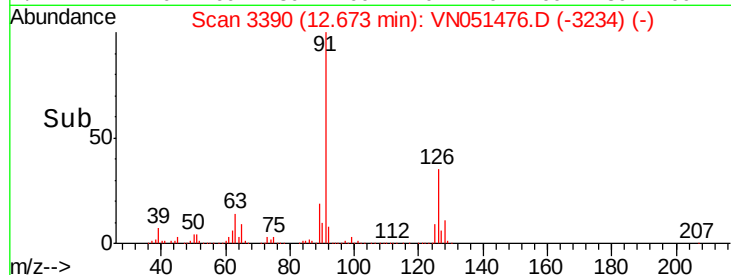
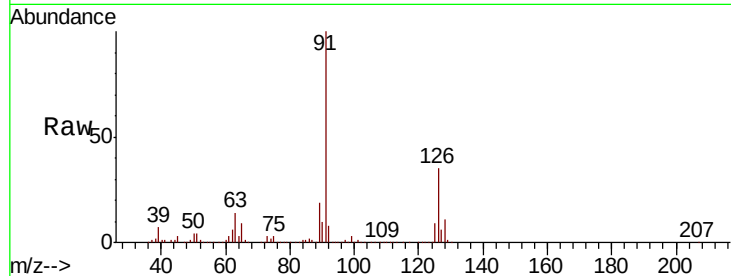
91 100

126 34.9 0.0 67.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 184.292 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051476.D

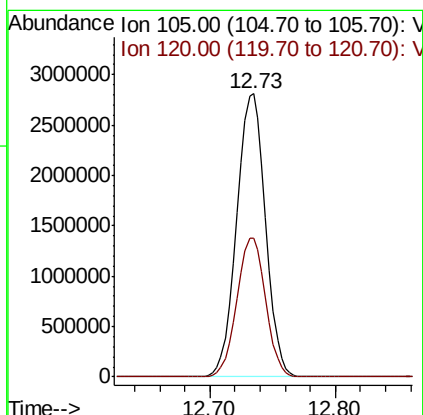
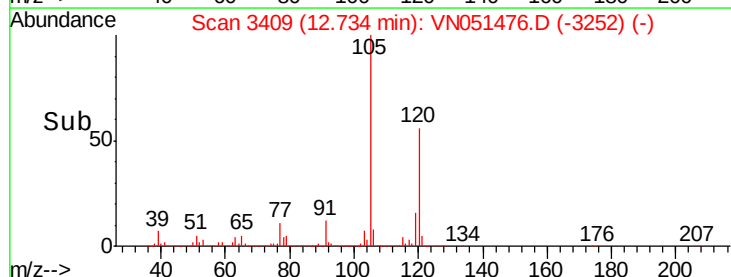
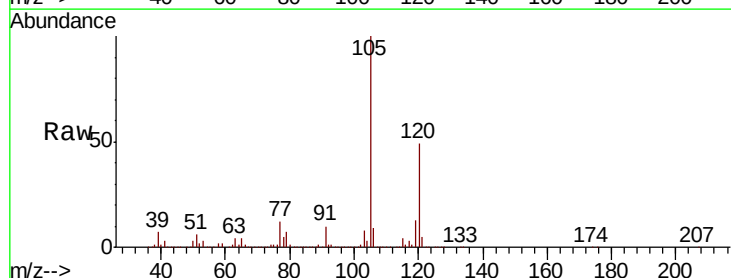
Acq: 25 Sep 2018 10:49

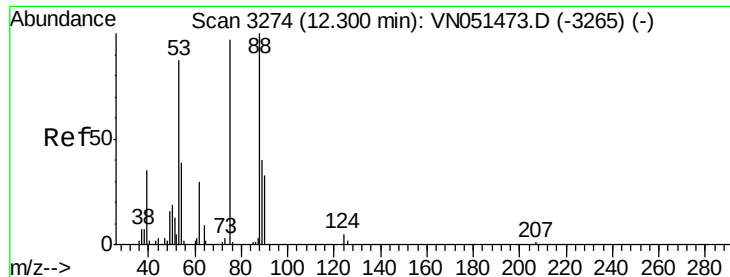
Tgt Ion: 105 Resp: 4471683

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 200.019 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

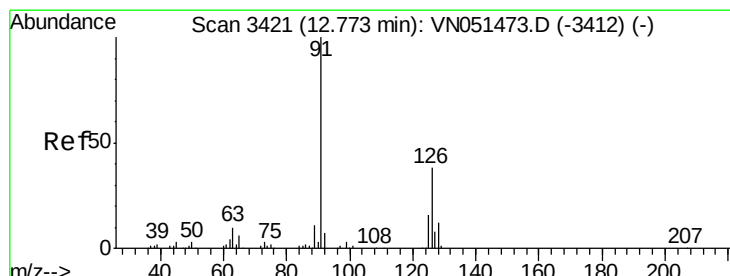
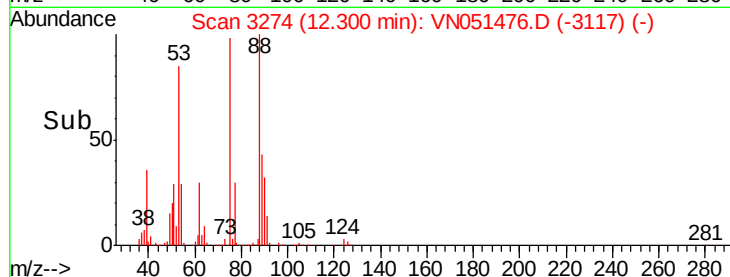
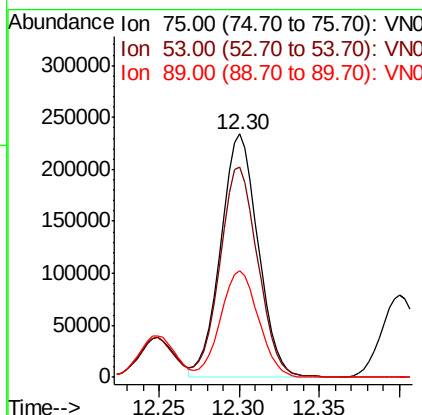
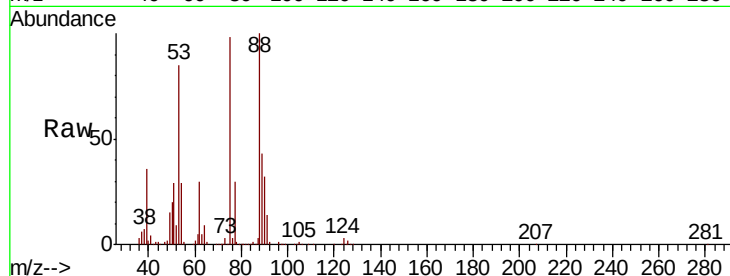
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	376539
Ion	Ratio	Lower	Upper
75	100		
53	86.4	46.3	138.9
89	44.0	24.6	73.8

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#78

4-Chlorotoluene

Concen: 184.827 ug/l

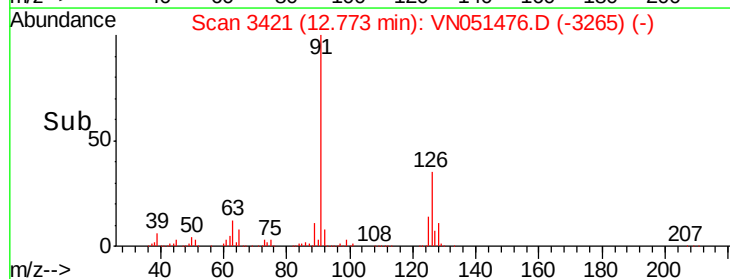
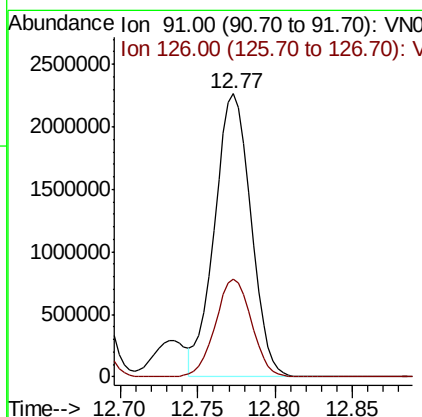
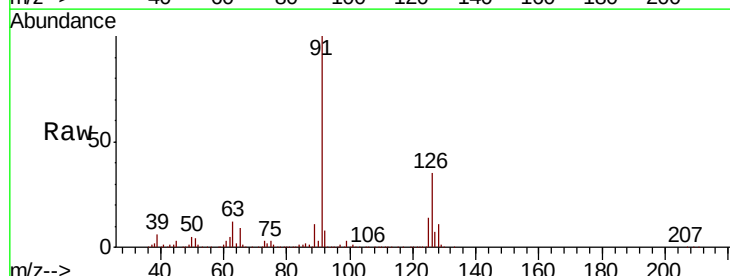
RT: 12.77 min Scan# 3421

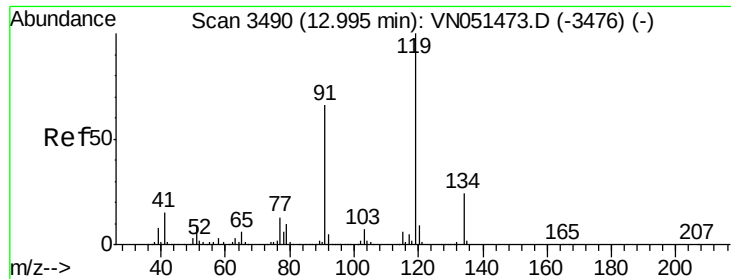
Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion:	91	Resp:	3698450
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	65.2





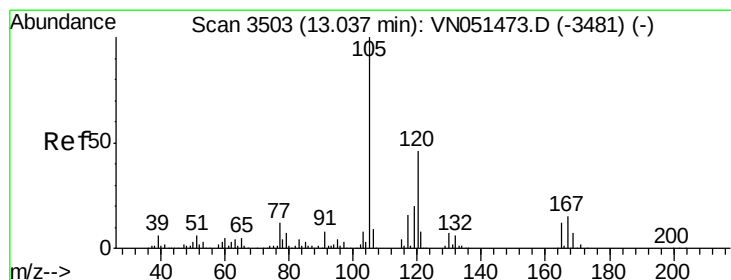
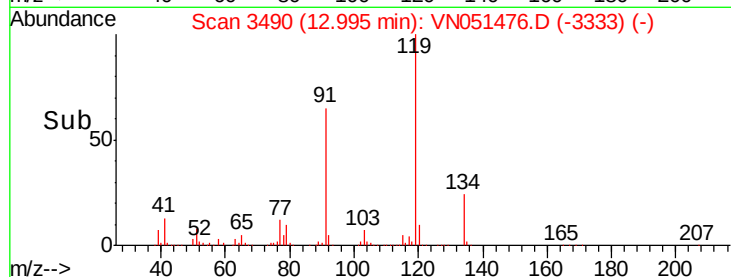
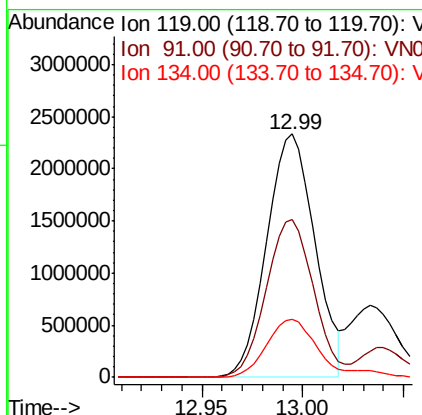
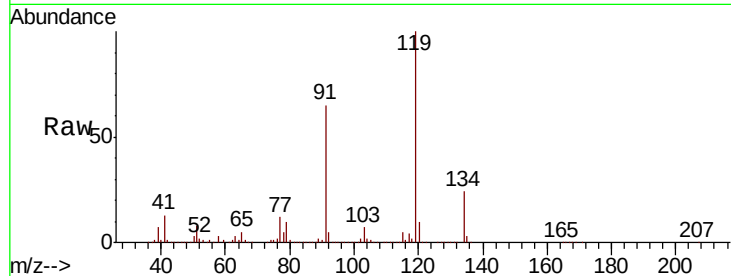
#79
tert-butylbenzene
Concen: 182.955 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	0.0	131.6
134	24.4	0.0	46.2

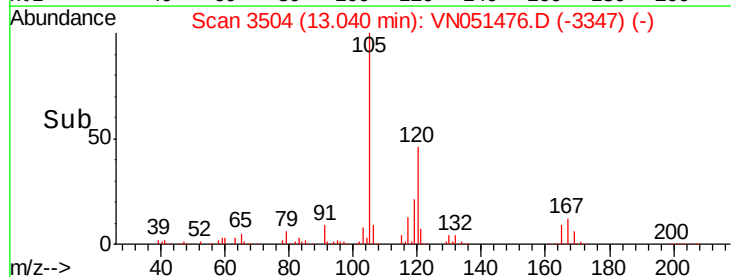
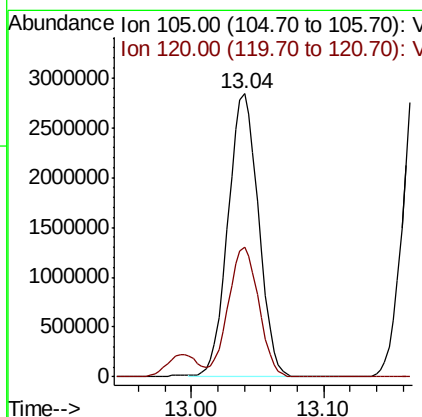
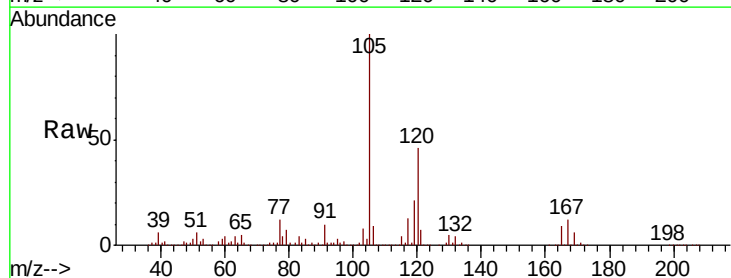
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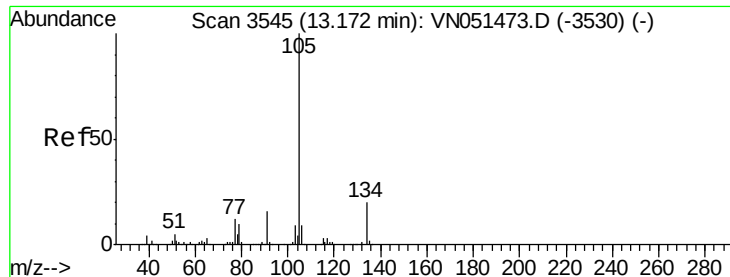
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#80
1,2,4-Trimethylbenzene
Concen: 186.156 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	89.6





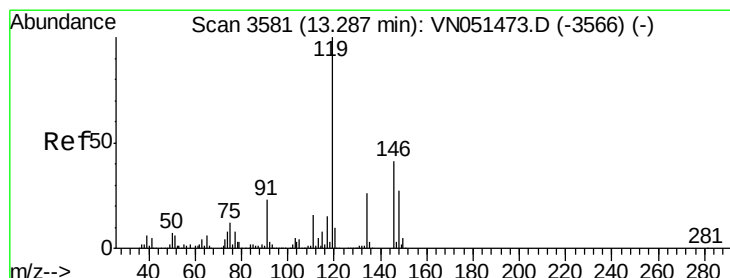
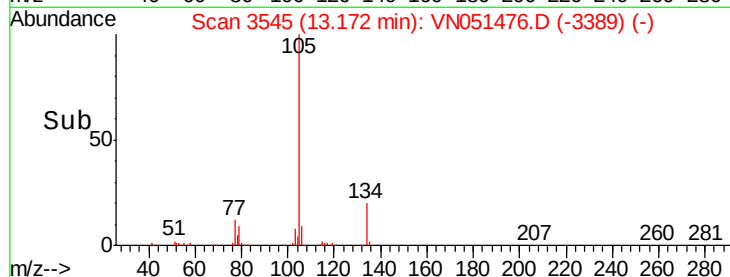
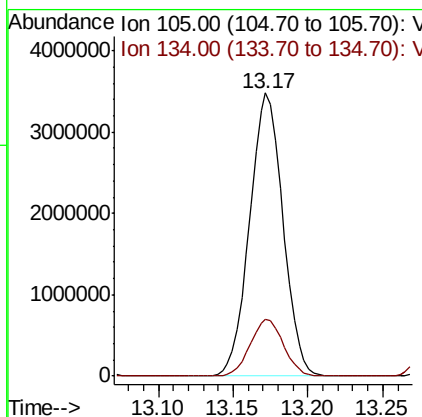
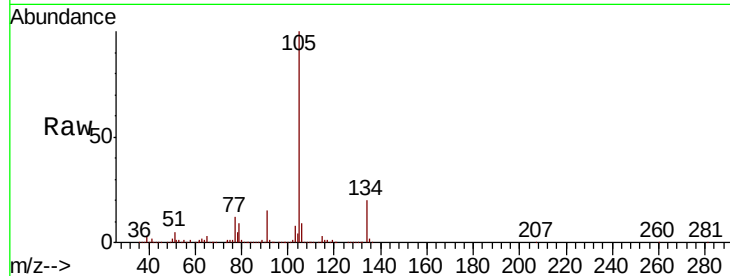
#81
 sec-Butylbenzene
 Concen: 185.446 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 5389271
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.4

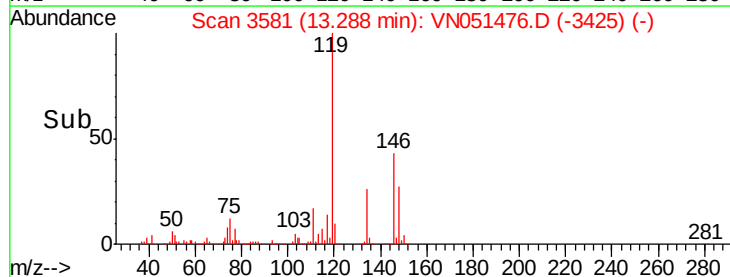
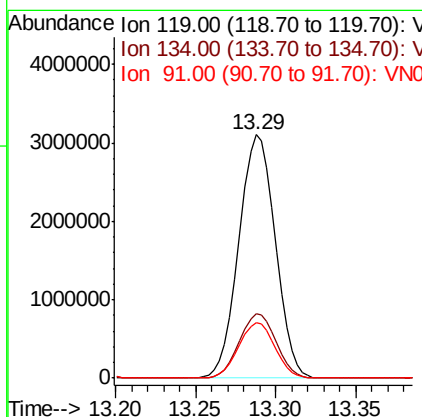
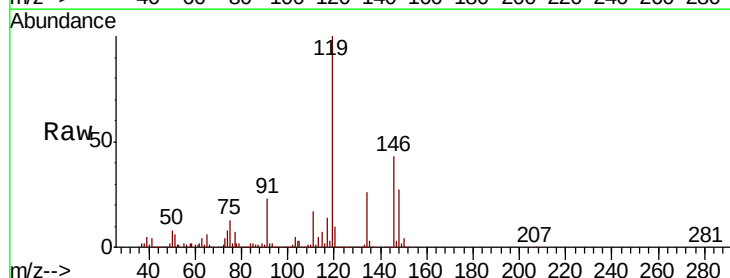
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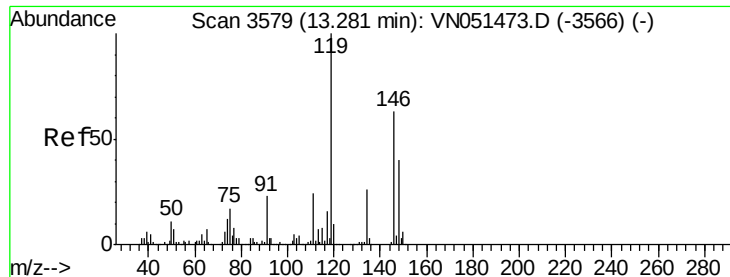
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#82
 p-Isopropyltoluene
 Concen: 192.060 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion:119 Resp: 4818251
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.6
 91 22.6 0.0 52.0





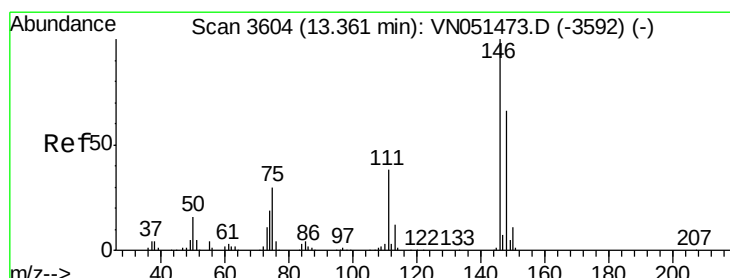
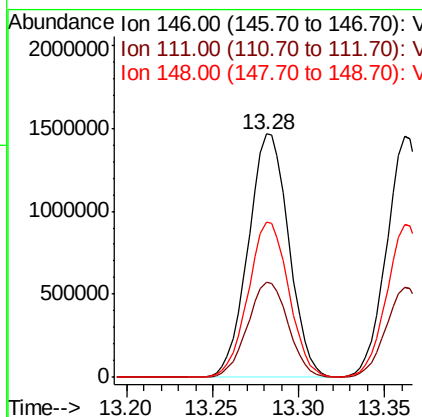
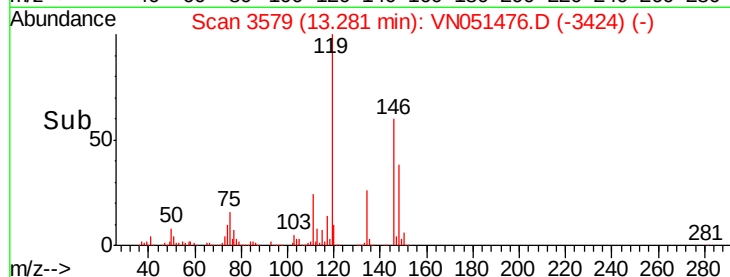
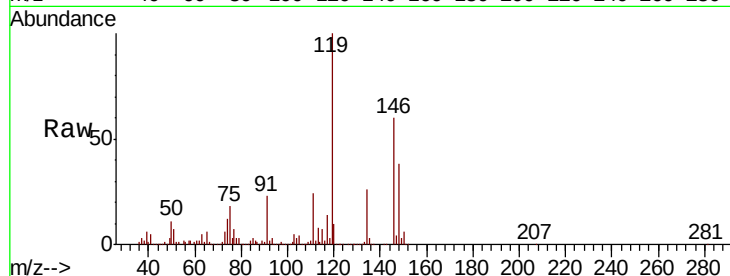
#83
 1,3-Dichlorobenzene
 Concen: 184.092 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.3
148	63.8	31.3	93.8

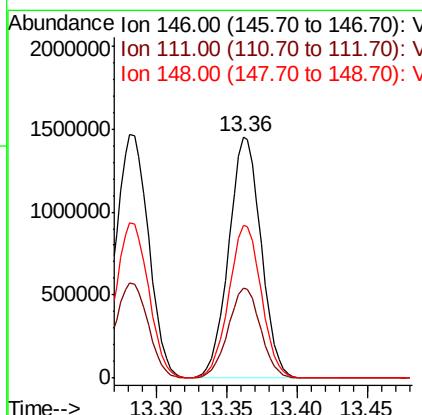
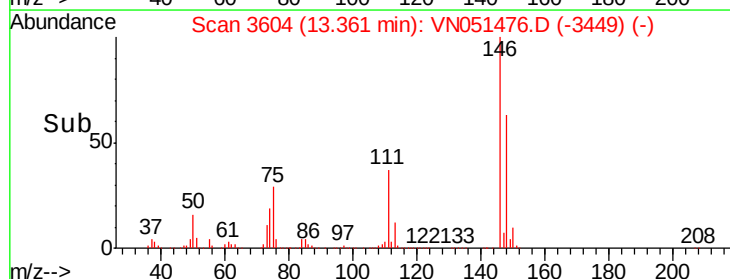
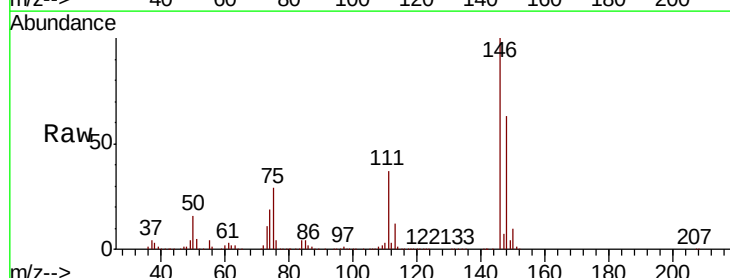
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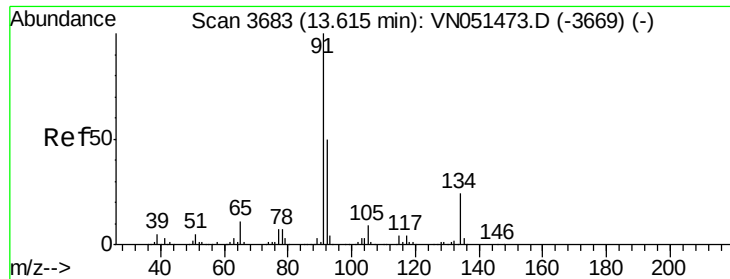
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#84
 1,4-Dichlorobenzene
 Concen: 190.618 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.4	52.2
148	63.8	32.8	98.3





#85

n-Butylbenzene

Concen: 203.196 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4185367

Ion Ratio Lower Upper

91 100

92 52.7 0.0 97.4

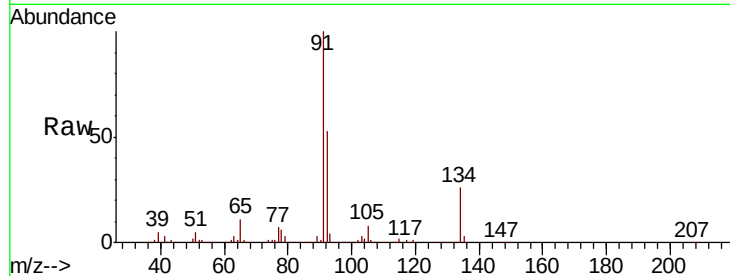
134 26.6 0.0 49.6

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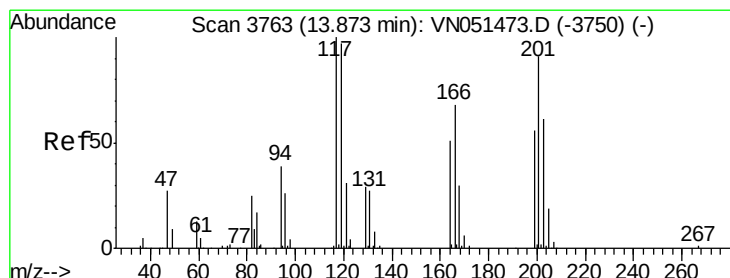
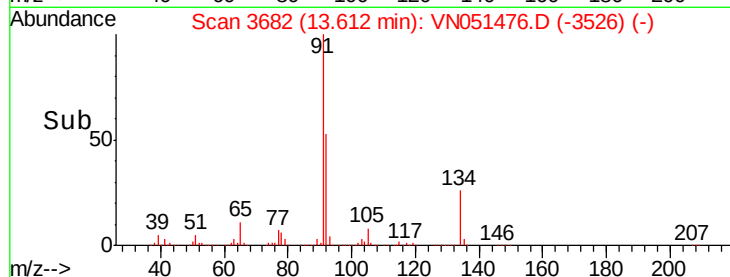


Abundance Ion 91.00 (90.70 to 91.70): VN051476.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN051476.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN051476.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 175.243 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051476.D

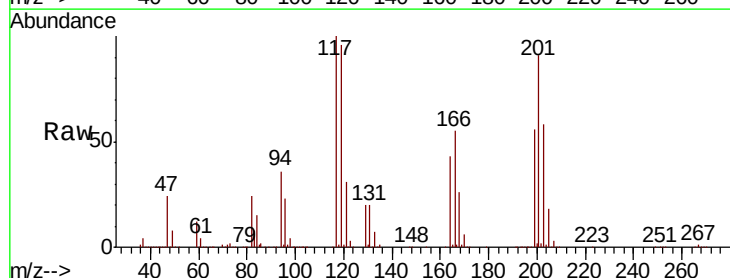
Acq: 25 Sep 2018 10:49

Tgt Ion: 117 Resp: 880963

Ion Ratio Lower Upper

117 100

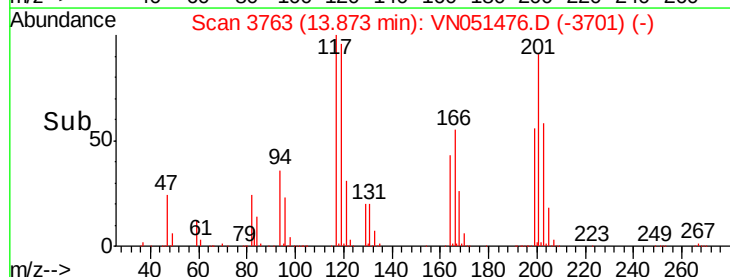
201 91.7 47.8 143.3

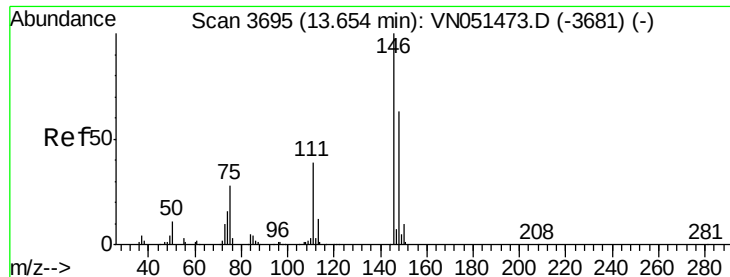


Abundance Ion 117.00 (116.70 to 117.70): VN051476.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN051476.D (-3701) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 181.088 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

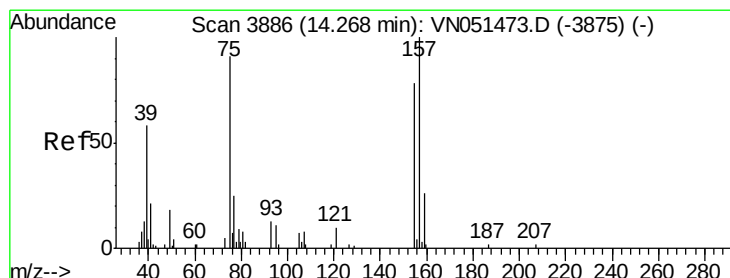
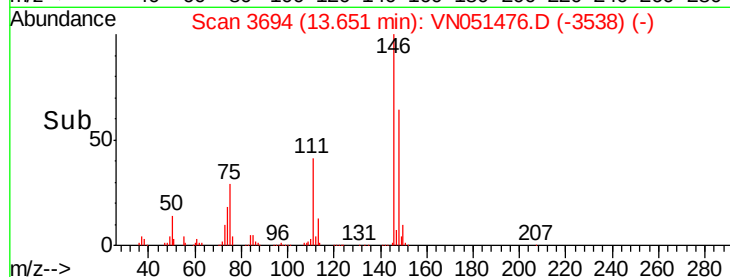
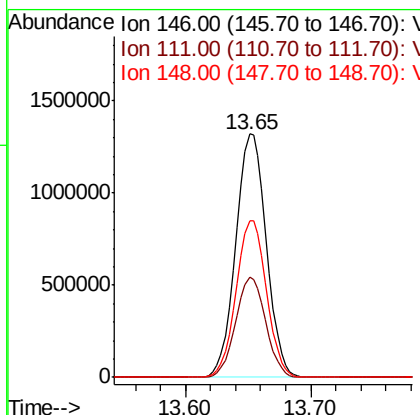
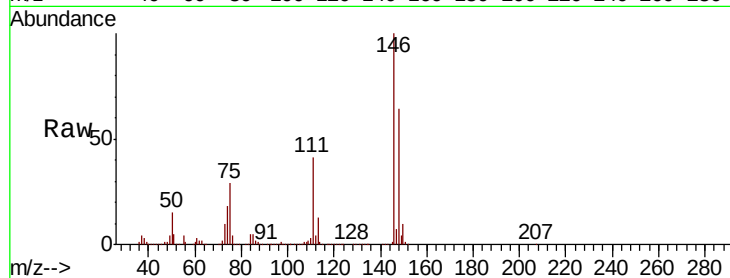
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	2231505
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.2
148	64.1	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 178.936 ug/l

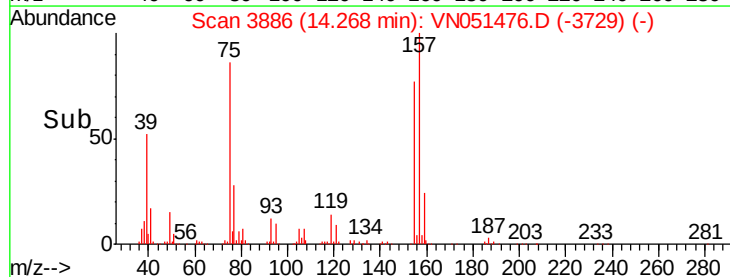
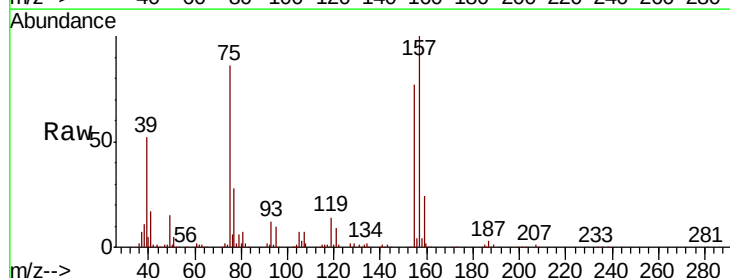
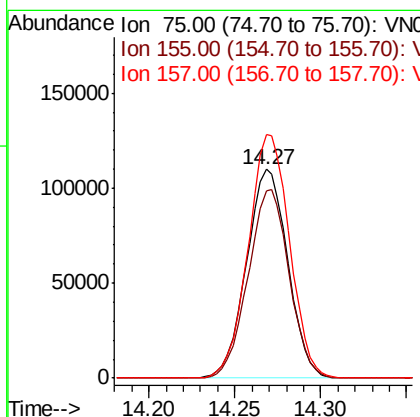
RT: 14.27 min Scan# 3886

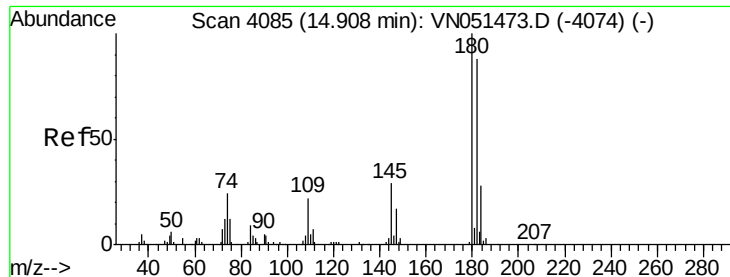
Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion:	75	Resp:	182806
Ion	Ratio	Lower	Upper
75	100		
155	89.7	57.0	85.6#
157	116.7	87.4	131.0





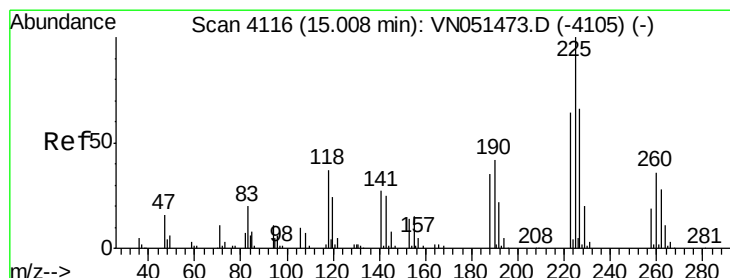
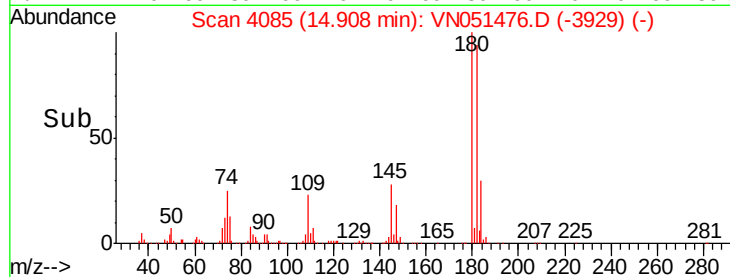
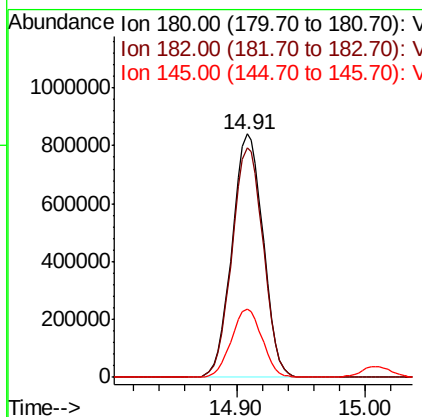
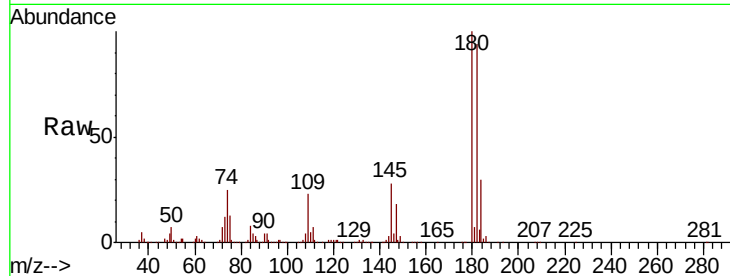
#89
 1,2,4-Trichlorobenzene
 Concen: 228.786 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.7	116.5
145	27.8	23.4	35.2

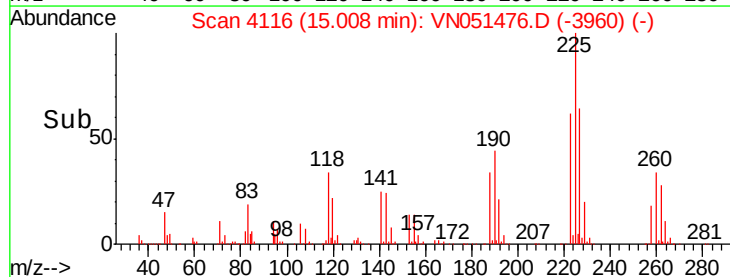
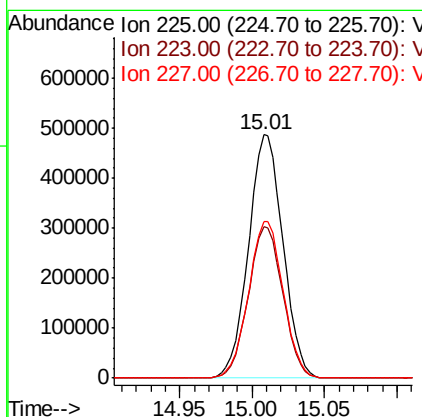
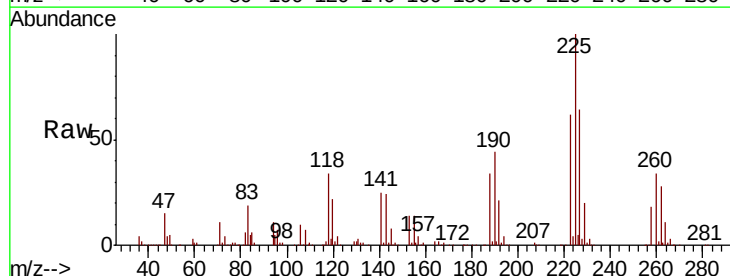
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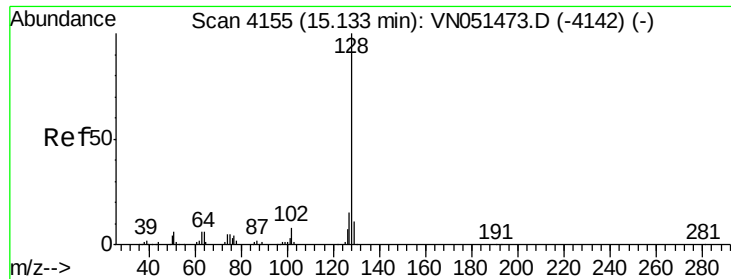
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#90
 Hexachlorobutadiene
 Concen: 169.896 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	117.0
227	64.5	0.0	127.0





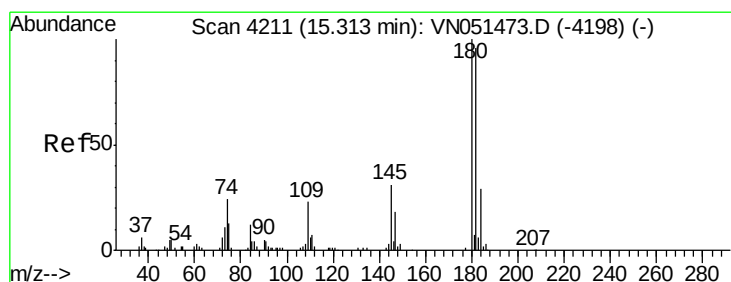
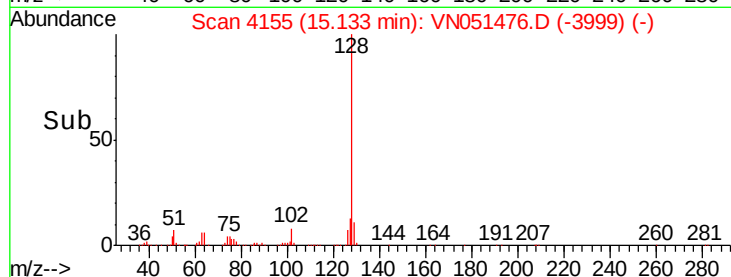
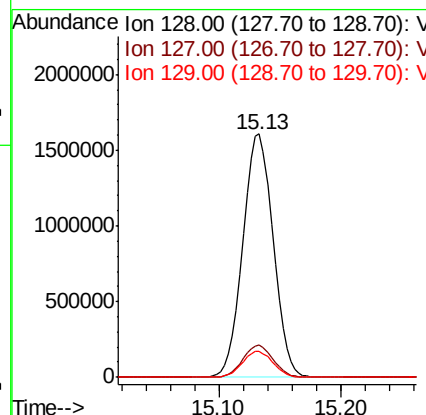
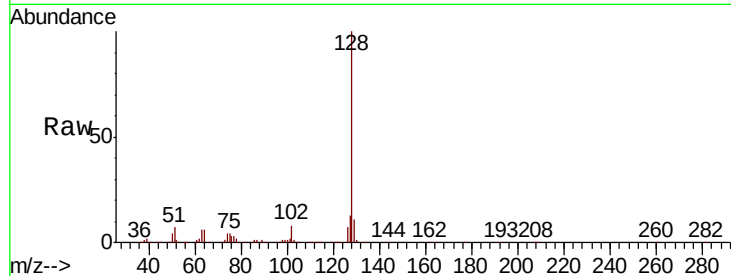
#91
Naphthalene
Concen: 237.896 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 212.302 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	198.0
145	29.2	0.0	36.8

