

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051475.D
 Acq On : 25 Sep 2018 10:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Quant Time: Sep 26 01:45:21 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	107684	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	583002	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221653	29.91	ug/l	0.00	MMDadoda
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%	
60) 4-Bromofluorobenzene	12.40	95	254254	32.70	ug/l	0.00	
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.00%	
63) Toluene-d8	10.09	98	742961	29.26	ug/l	0.00	
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%	10/1/2018 11:21:27 AM

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	463910	100.588	ug/l 99
3) Chloromethane	2.06	50	870925	109.831	ug/l 97
4) Vinyl Chloride	2.19	62	935918	110.614	ug/l 99
5) Bromomethane	2.56	94	588714	106.458	ug/l 88
6) Chloroethane	2.70	64	591160	113.350	ug/l 100
7) Trichlorofluoromethane	3.01	101	1257031	114.456	ug/l 96
8) Diethyl Ether	3.41	74	447811	135.617	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	629674	112.904	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	586201	115.392	ug/l 99
11) Methyl Iodide	3.95	142	965784	128.923	ug/l 95
12) Methyl Acetate	4.33	43	522842	117.097	ug/l 95
13) Acrolein	3.61	56	394800	663.099	ug/l 91
14) Acrylonitrile	4.99	53	1141870	629.561	ug/l # 60
15) Acetone	3.82	58	257724	576.940	ug/l 96
16) Carbon Disulfide	4.05	76	1814230	112.592	ug/l 98
17) Allyl chloride	4.32	41	1081351	120.580	ug/l 98
18) Methylene Chloride	4.55	84	696982	114.883	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	651385	118.451	ug/l 97
20) Diisopropyl ether	5.96	45	2212461	124.251	ug/l # 81
21) 1,1-Dichloroethane	5.85	63	1247129	116.273	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	737957	119.923	ug/l 96
23) tert-Butyl Alcohol	4.79	59	211505	619.240	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1719240	124.258	ug/l # 63
25) Chloroform	7.37	83	1245601	116.432	ug/l 96
26) Cyclohexane	7.65	56	1148975	125.825	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	987626	120.313	ug/l 100
30) 2-Butanone	6.84	43	1282737	604.952	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	1019320	116.412	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	1096684	117.025	ug/l 98
33) Carbon Tetrachloride	7.78	117	997659	116.023	ug/l 92
34) Benzene	8.04	78	2847753	116.849	ug/l # 62
35) Methacrylonitrile	7.18	41	345183	112.968	ug/l 93
36) 1,2-Dichloroethane	8.13	62	911355	114.843	ug/l 98
37) Trichloroethene	8.84	130	744811	115.307	ug/l 98
38) Methylcyclohexane	9.08	83	1197938	125.890	ug/l 93
39) 1,2-Dichloropropane	9.12	63	772340	116.495	ug/l 95
40) Dibromomethane	9.21	93	442342	117.225	ug/l 96

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Instrument :
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 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Quant Time: Sep 26 01:45:21 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)
41) Bromodichloromethane	9.40	83	980693	118.210	ug/l	94
42) Vinyl Acetate	5.90	43	7470024	633.559	ug/l	98
43) Ethyl Acetate	6.93	43	572901	129.855	ug/l	98
44) Isopropyl Acetate	8.17	43	1045030	123.159	ug/l	99
45) 1,4-Dioxane	9.20	88	129887	2516.109	ug/l	91
46) Methyl methacrylate	9.20	41	548106	130.440	ug/l	96 MMDadoda
47) n-amyl Acetate	12.07	43	942300m	138.971	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1037730	125.966	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1181023	123.850	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	631377	117.023	ug/l	95
51) Ethyl methacrylate	10.43	69	844485	132.253	ug/l	98 10/1/2018 11:21:27 AM
52) 1,3-Dichloropropane	10.71	76	1092863	120.066	ug/l	98
53) Dibromochloromethane	10.90	129	761203	122.654	ug/l	97
54) 1,2-Dibromoethane	11.01	107	635601	122.095	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2094805	664.372	ug/l	100
56) Bromoform	12.13	173	524895	125.452	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	2917092	626.747	ug/l	95
59) 2-Hexanone	10.75	43	1948373	636.038	ug/l	95
61) Tetrachloroethene	10.63	164	712123	115.576	ug/l	96
62) Toluene	10.16	91	3182104	117.368	ug/l	98
64) Chlorobenzene	11.43	112	1992641	119.875	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	753586	117.257	ug/l	99
66) Ethyl Benzene	11.51	91	3504593	125.298	ug/l	99
67) m/p-Xylenes	11.62	106	2726675	253.226	ug/l	97
68) o-Xylene	11.95	106	1298939	126.657	ug/l	94
69) Styrene	11.96	104	2105877	129.991	ug/l	99
70) Isopropylbenzene	12.25	105	3480417	126.807	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	780025	120.731	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	695438m	136.496	ug/l	
73) Bromobenzene	12.53	156	859235	124.219	ug/l	95
74) n-propylbenzene	12.59	91	4066264	127.435	ug/l	99
75) 2-Chlorotoluene	12.67	91	2349471	124.769	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	2919847	128.927	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	239720	136.432	ug/l	97
78) 4-Chlorotoluene	12.77	91	2383332	127.609	ug/l	97
79) tert-butylbenzene	12.99	119	2501918	126.884	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2968674	130.393	ug/l	98
81) sec-Butylbenzene	13.17	105	3496985	128.923	ug/l	99
82) p-Isopropyltoluene	13.29	119	3087095	131.840	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	1540837	126.999	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1491040	130.851	ug/l	97
85) n-Butylbenzene	13.61	91	2665146	138.628	ug/l	96
86) Hexachloroethane	13.87	117	563261	120.045	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	1459297	126.877	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	117972	123.719	ug/l #	88
89) 1,2,4-Trichlorobenzene	14.91	180	843687	147.266	ug/l	99
90) Hexachlorobutadiene	15.01	225	536485	120.827	ug/l	98
91) Naphthalene	15.13	128	1642561	151.945	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	810080	140.069	ug/l	93

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Time: Sep 26 01:45:21 2018
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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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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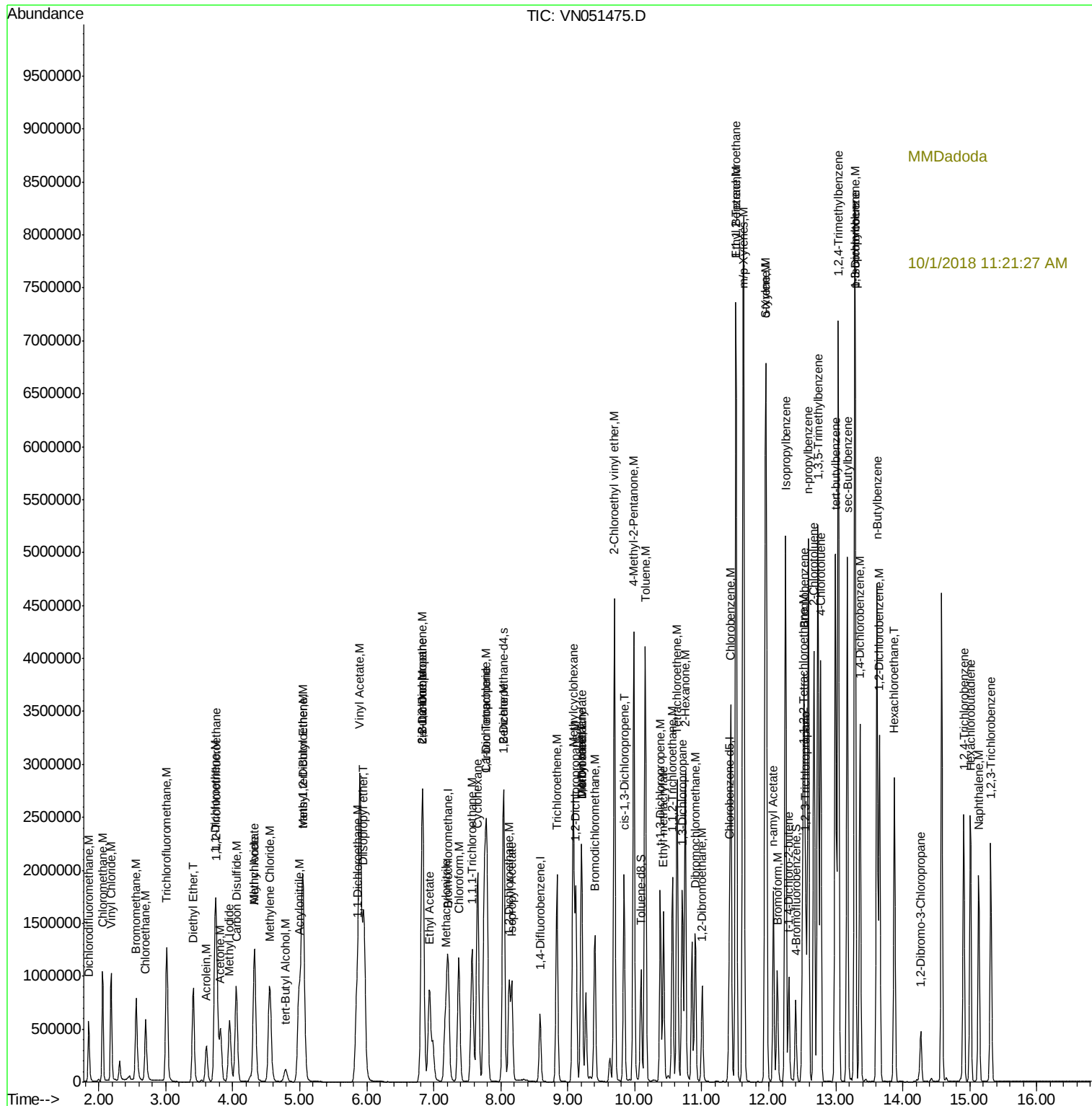
10/1/2018 11:21:27 AM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051475.D
Acq On : 25 Sep 2018 10:24
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

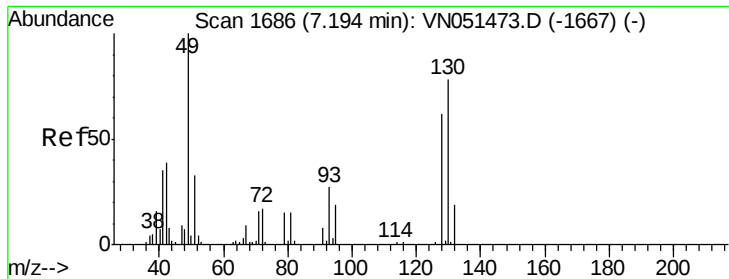
Manual Integrations
APPROVED

Quant Time: Sep 26 01:45:21 2018
Quant Method : Z:\V0ASRV\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



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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: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

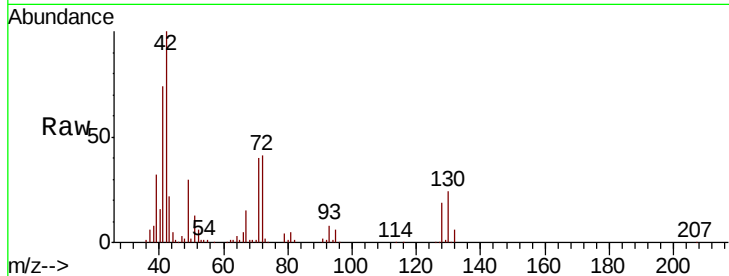
MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:	128	Resp:	107684
Ion	Ratio	Lower	Upper
128	100		
49	166.7	0.0	403.3
130	128.8	0.0	326.0

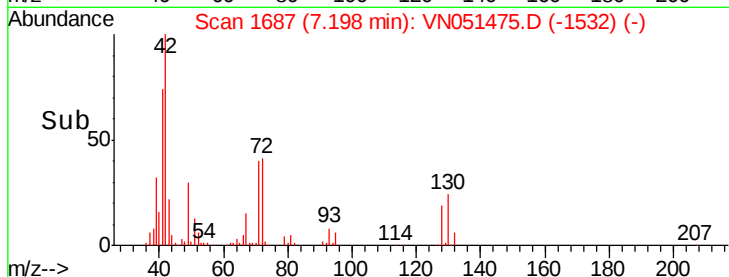
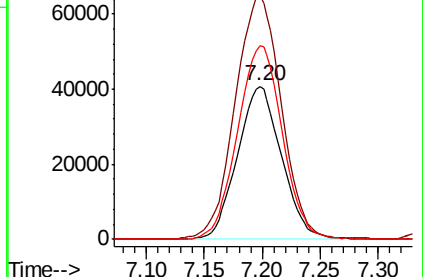
Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): VN051475.D (-1667) (-)

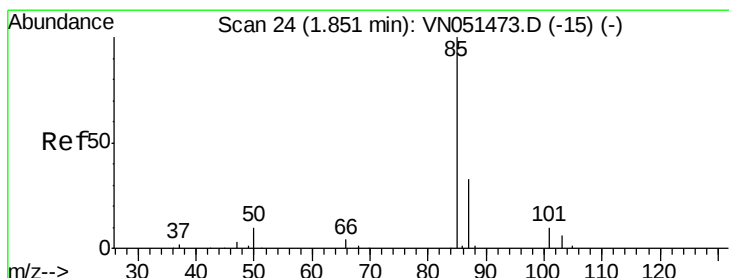
Ion 49.00 (48.70 to 49.70): VN051475.D (-1667) (-)

Ion 130.00 (129.70 to 130.70): VN051475.D (-1667) (-)



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#2

Dichlorodifluoromethane

Concen: 100.588 ug/l

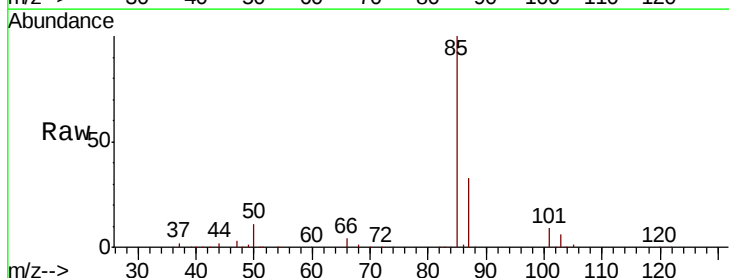
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051475.D

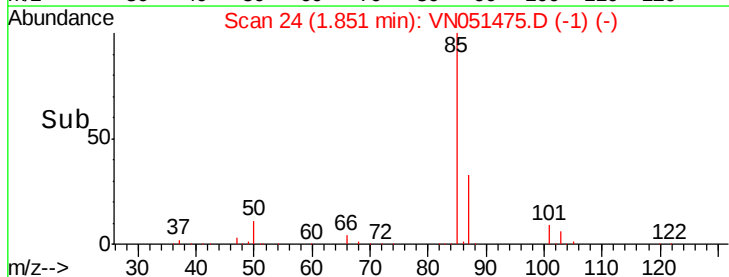
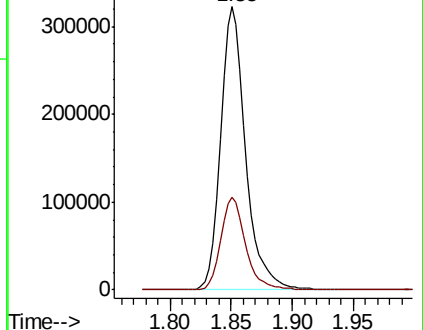
Acq: 25 Sep 2018 10:24

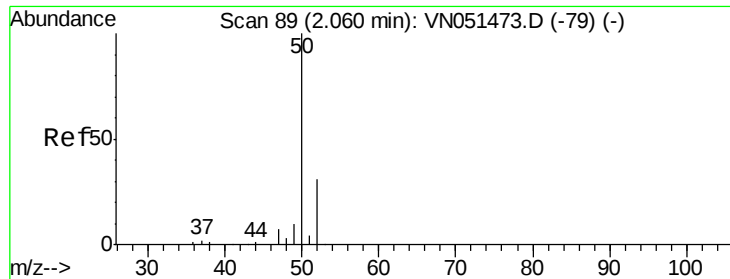
Tgt Ion:	85	Resp:	463910
Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN051475.D (-15) (-)

Ion 87.00 (86.70 to 87.70): VN051475.D (-15) (-)





#3

Chloromethane

Concen: 109.831 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

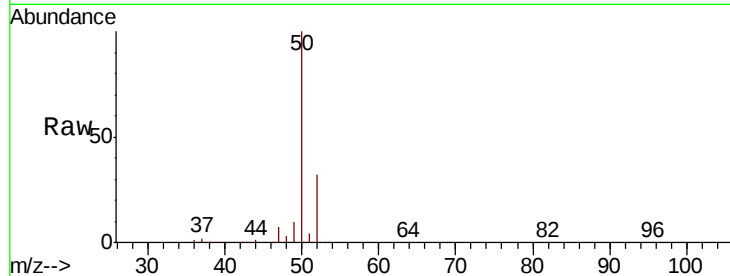
Tot Ion: 50 Resp: 870925

Ion Ratio Lower Upper

50 100

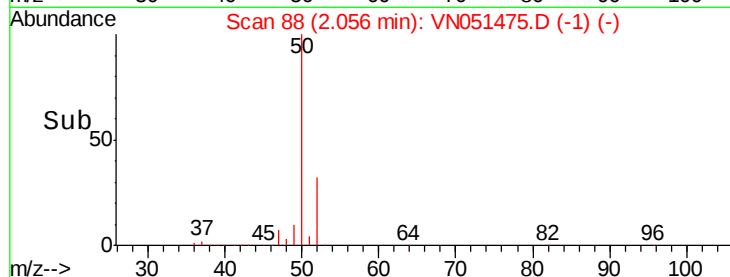
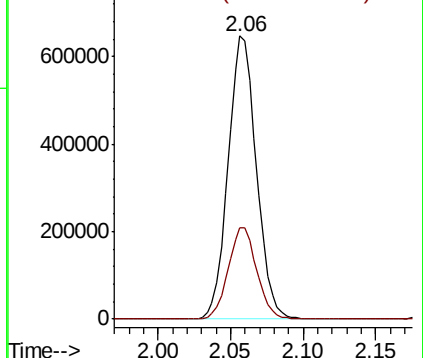
52 32.5 27.2 40.8

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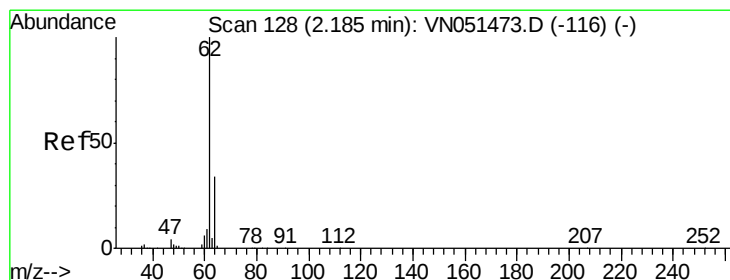
Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



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#4

Vinyl Chloride

Concen: 110.614 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051475.D

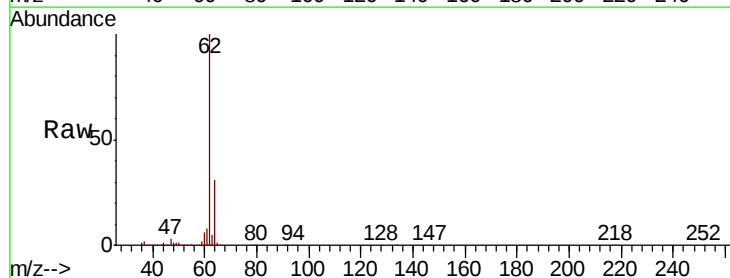
Acq: 25 Sep 2018 10:24

Tgt Ion: 62 Resp: 935918

Ion Ratio Lower Upper

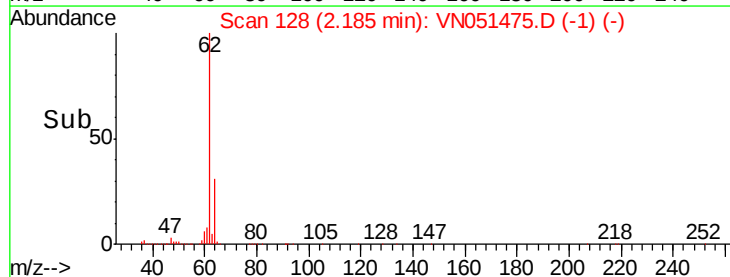
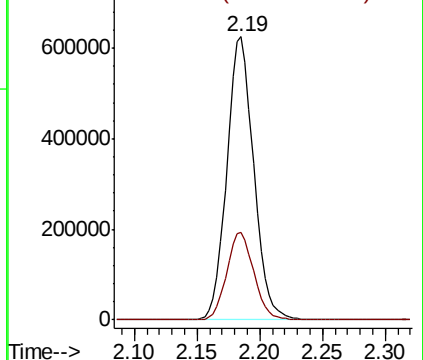
62 100

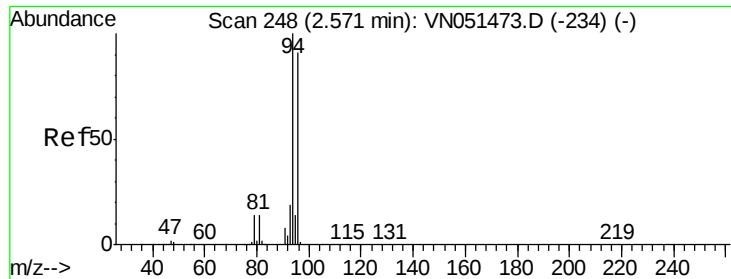
64 31.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 106.458 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

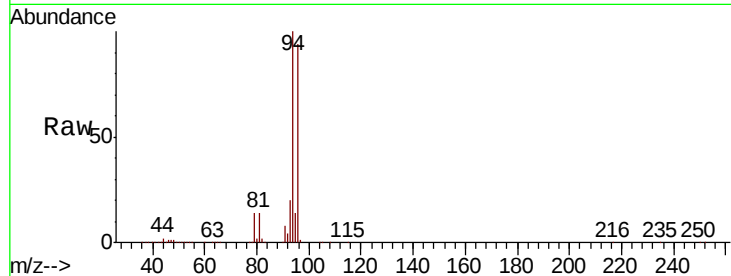
Tot Ion: 94 Resp: 588714

Ion Ratio Lower Upper

94 100

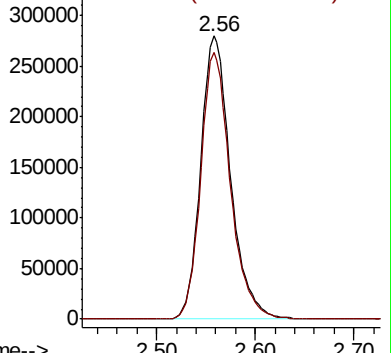
96 94.1 66.4 99.6

Manual Integrations
APPROVED



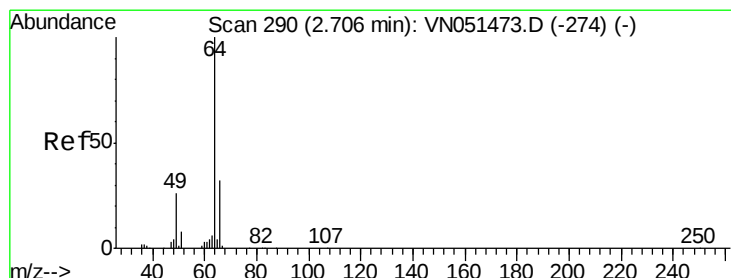
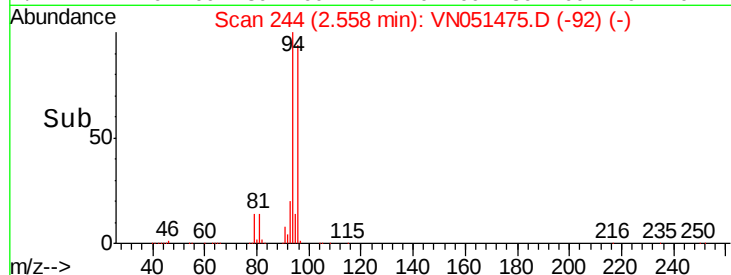
Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



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#6

Chloroethane

Concen: 113.350 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051475.D

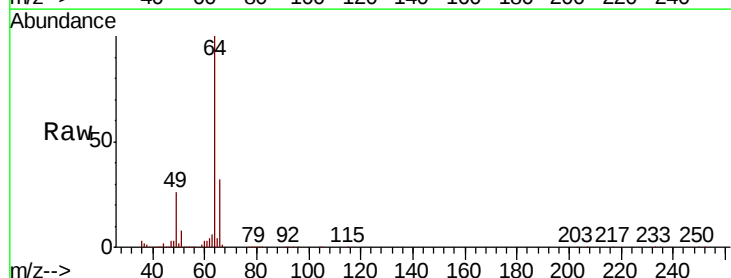
Acq: 25 Sep 2018 10:24

Tgt Ion: 64 Resp: 591160

Ion Ratio Lower Upper

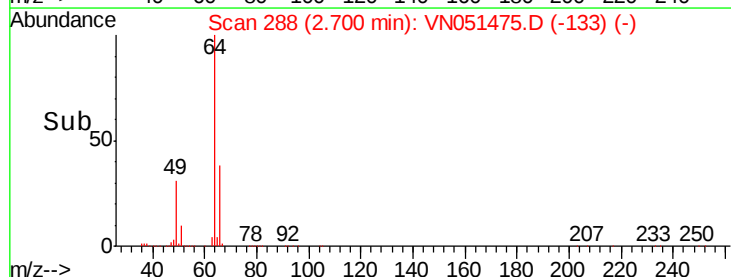
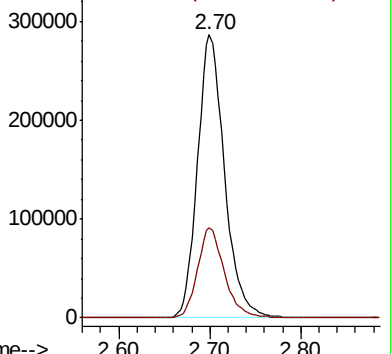
64 100

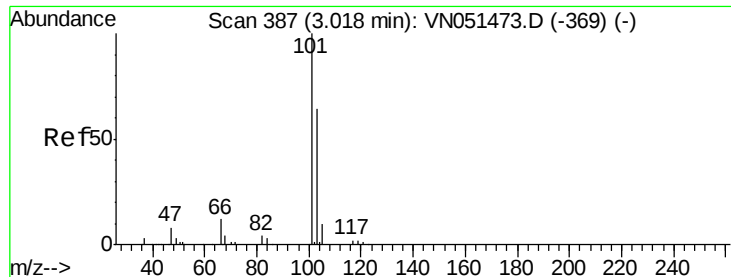
66 32.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





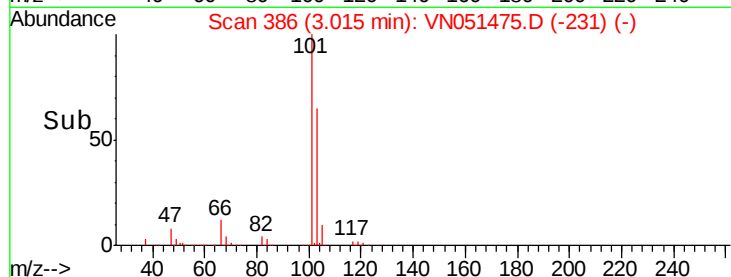
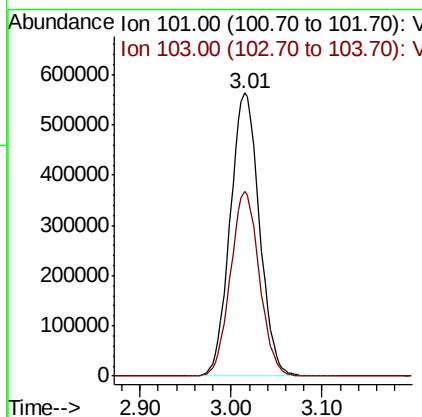
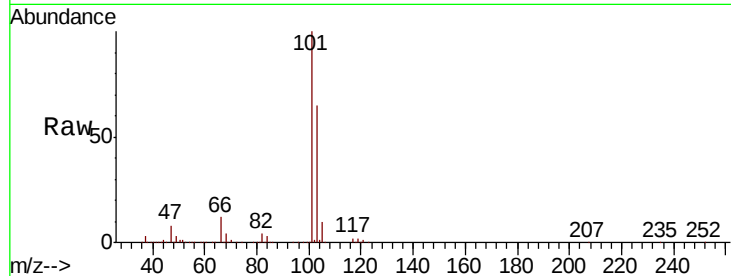
#7

Trichlorofluoromethane
 Concen: 114.456 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

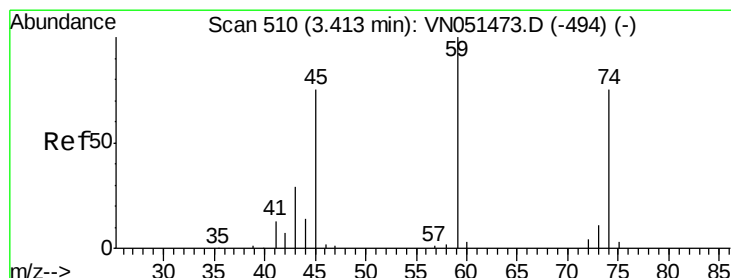
Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.3	54.8	82.2	

Manual Integrations
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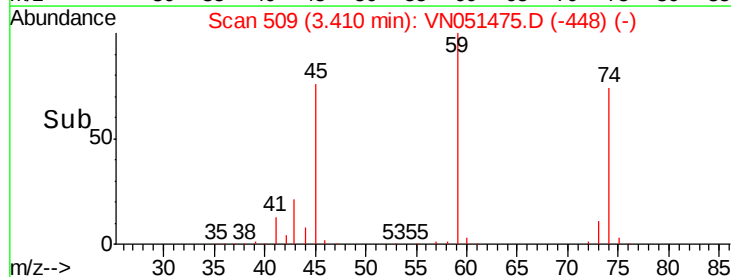
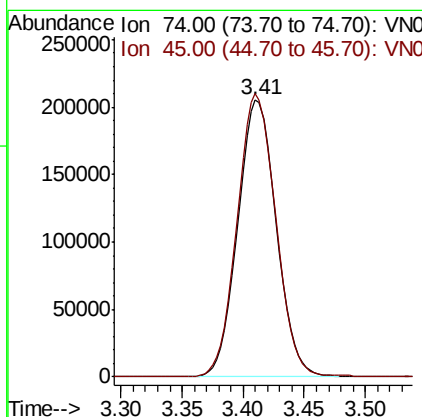
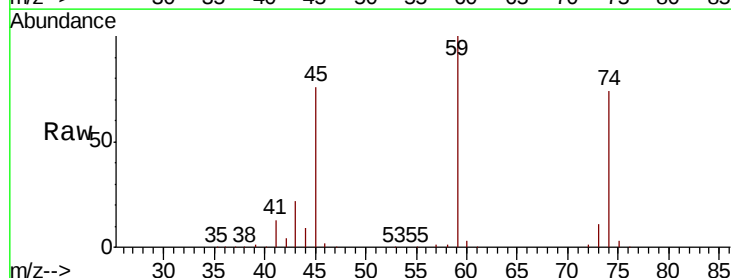
10/1/2018 11:21:27 AM

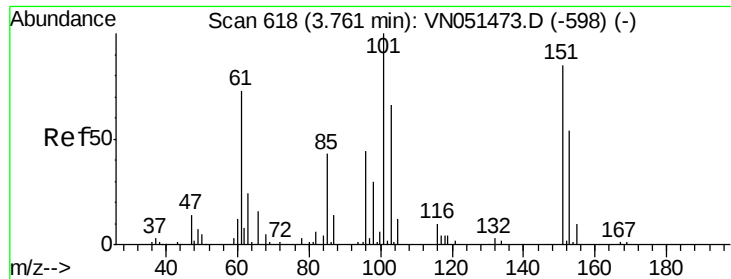


#8

Diethyl Ether
 Concen: 135.617 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	102.6	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.904 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

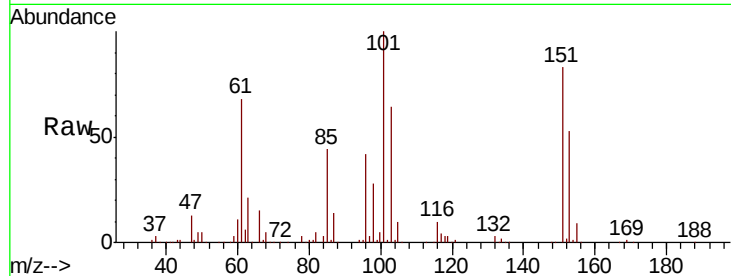
MSVOA_N

ClientSampled :

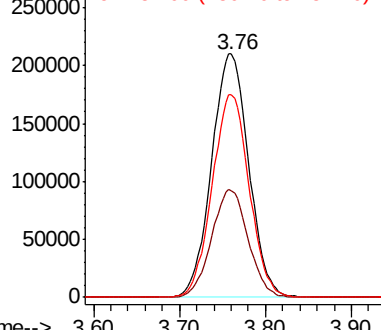
VSTDIC100

Tot Ion:	101	Resp:	629674
Ion Ratio	Lower	Upper	
101	100		
85	43.6	0.0	46.0
151	83.1	0.0	82.2#

Manual Integrations
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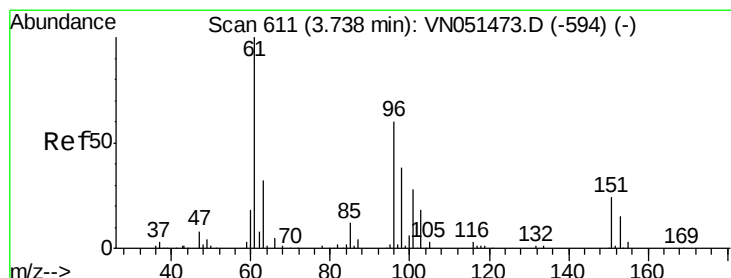
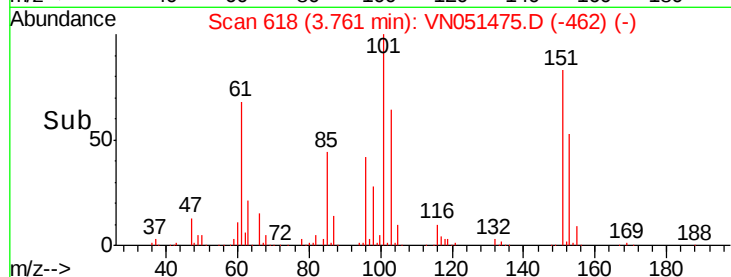


Abundance Ion 101.00 (100.70 to 101.70): VN051475.D (-598) (-)



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#10

1,1-Dichloroethene

Concen: 115.392 ug/l

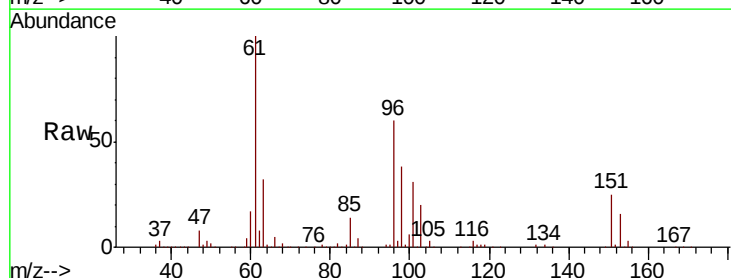
RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

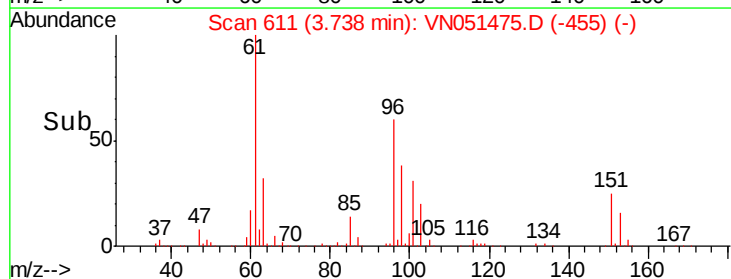
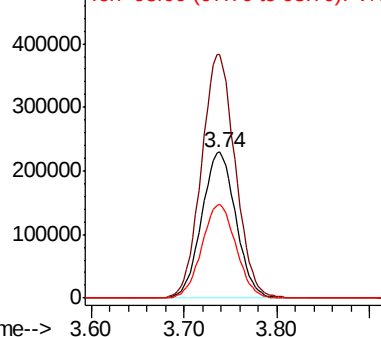
Lab File: VN051475.D

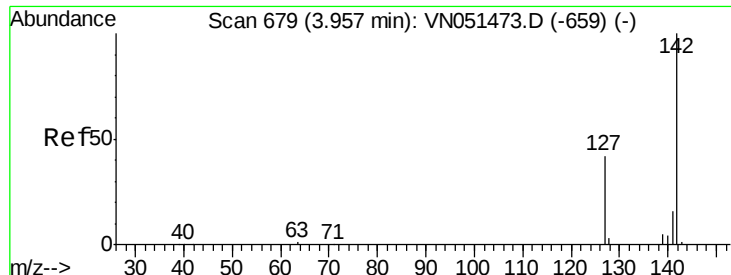
Acq: 25 Sep 2018 10:24

Tgt Ion:	96	Resp:	586201
Ion Ratio	Lower	Upper	
96	100		
61	166.8	133.0	199.6
98	64.2	52.6	78.8



Abundance Ion 96.00 (95.70 to 96.70): VN051475.D (-594) (-)



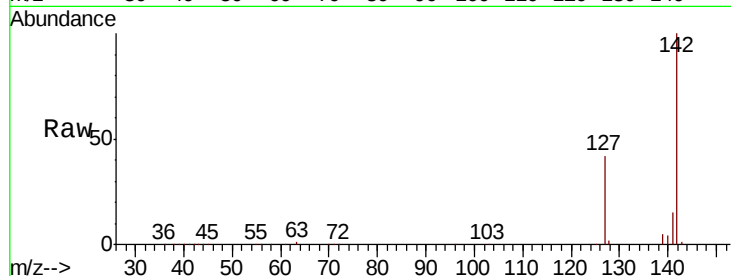


#11
Methyl Iodide
Concen: 128.923 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

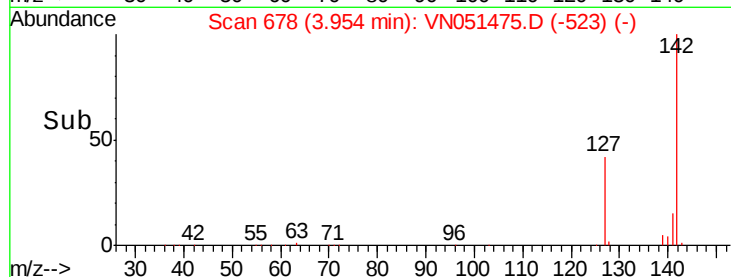
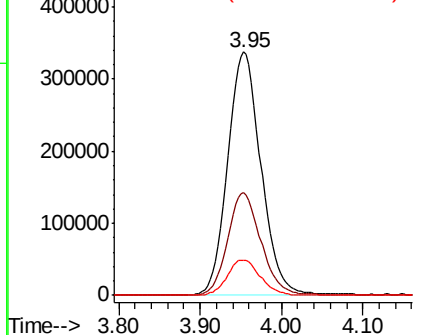
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.2	19.7	59.0
141	14.6	6.3	18.9

Manual Integrations
APPROVED

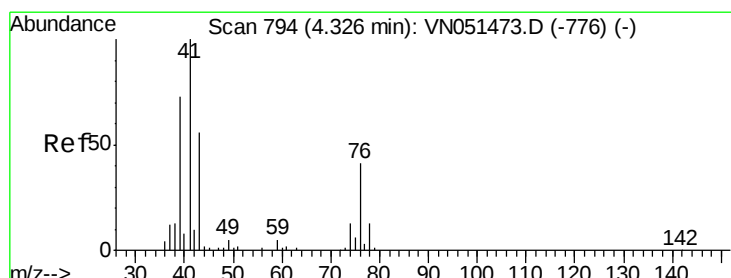


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



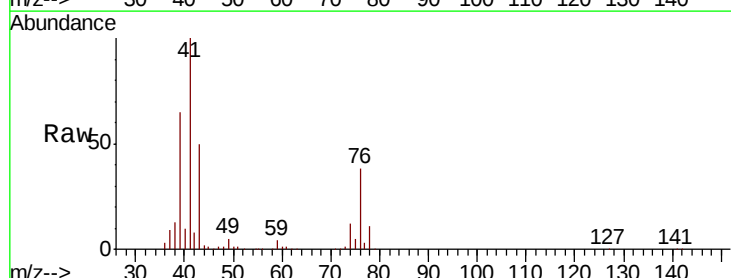
MMDadoda

10/1/2018 11:21:27 AM

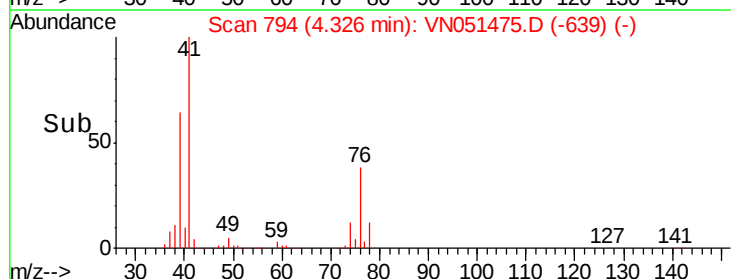
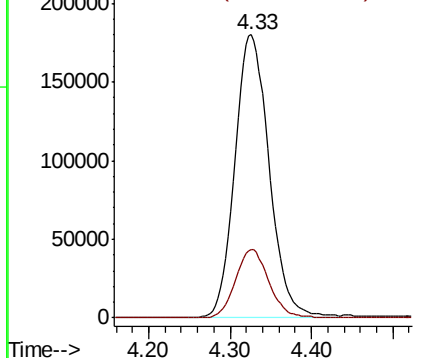


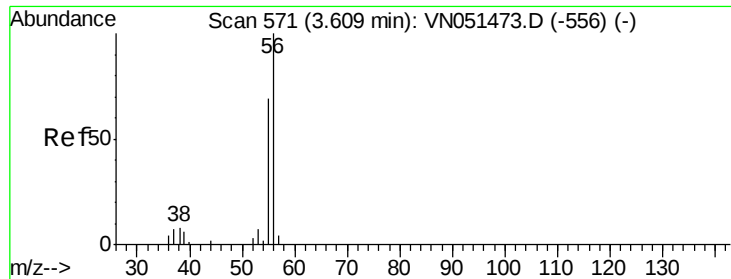
#12
Methyl Acetate
Concen: 117.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	21.8	32.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



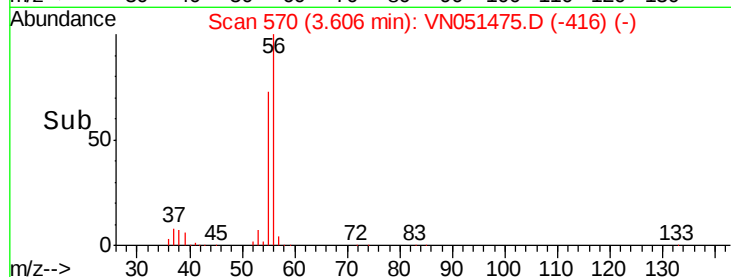
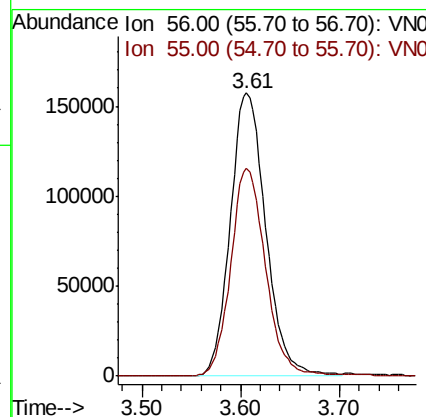
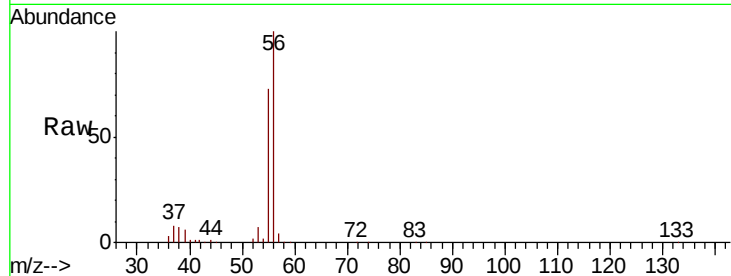


#13
Acrolein
Concen: 663.099 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.01 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

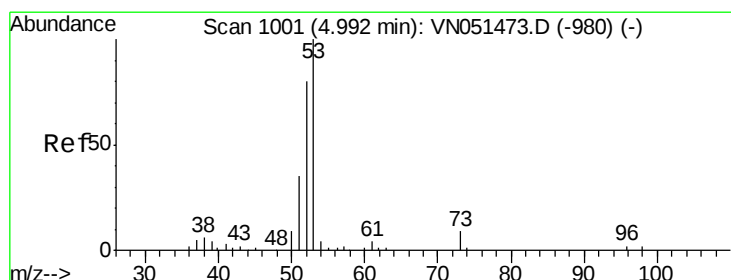
Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	64.0	96.0

Manual Integrations
APPROVED



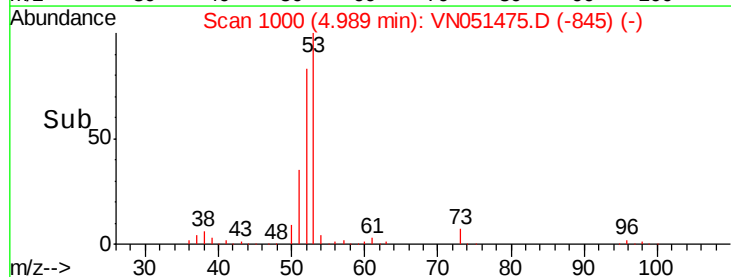
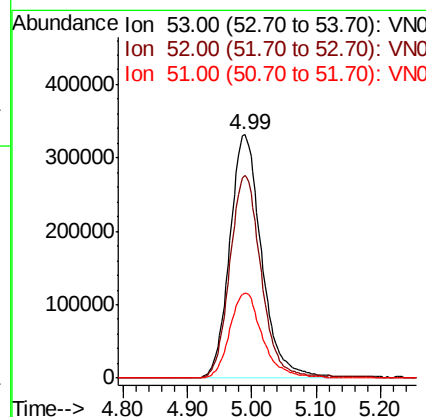
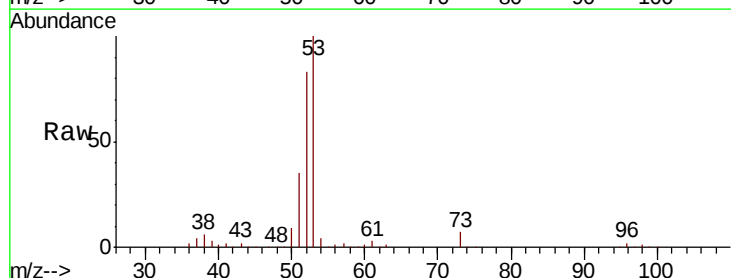
MMDadoda

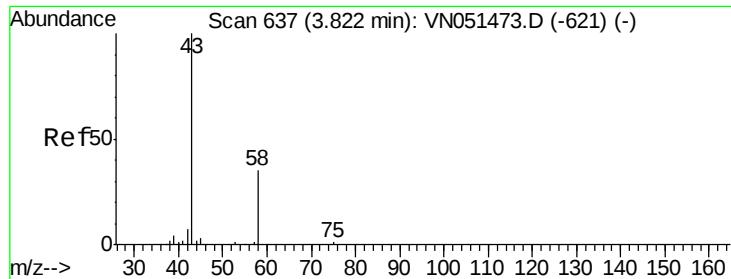
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#14
Acrylonitrile
Concen: 629.561 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.8	18.3	54.8#
51	35.9	19.7	59.1



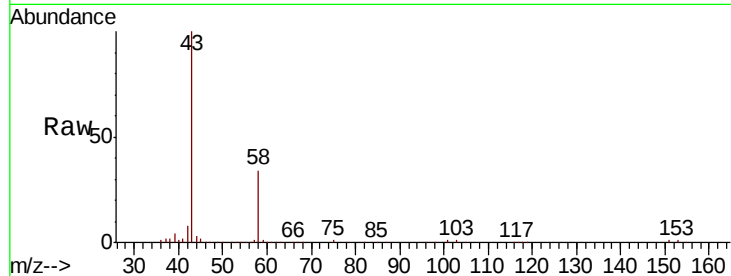


#15
Acetone
Concen: 576.940 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.01 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

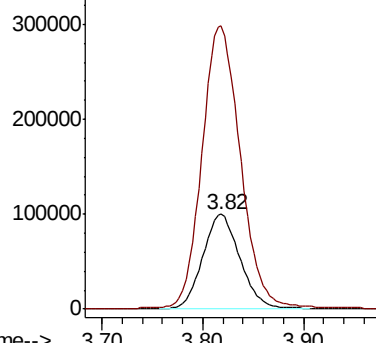
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 58 Resp: 257724
Ion Ratio Lower Upper
58 100
43 297.4 232.2 348.2

Manual Integrations
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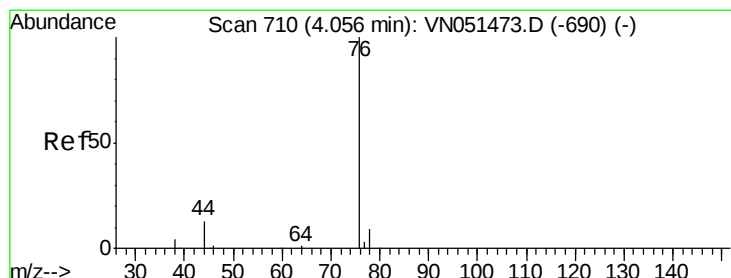
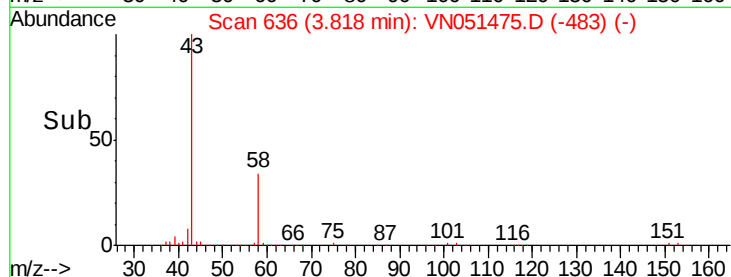


Abundance Ion 58.00 (57.70 to 58.70): VN0
Ion 43.00 (42.70 to 43.70): VN0



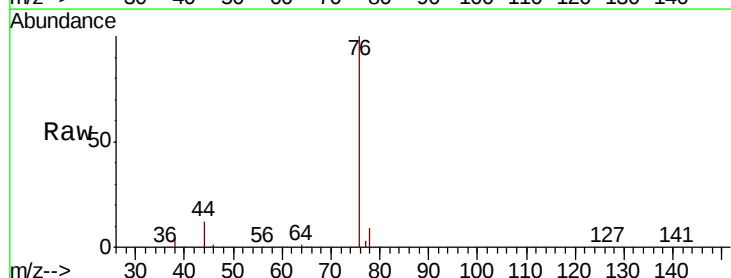
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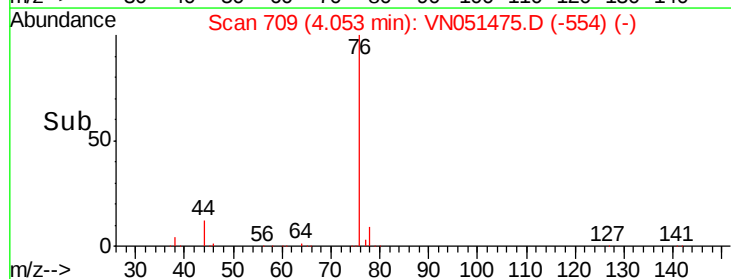
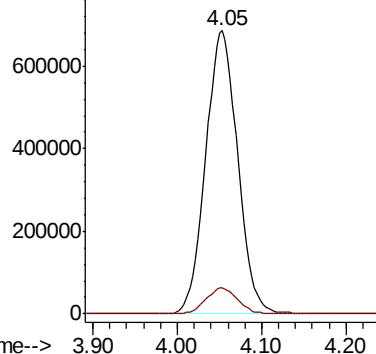


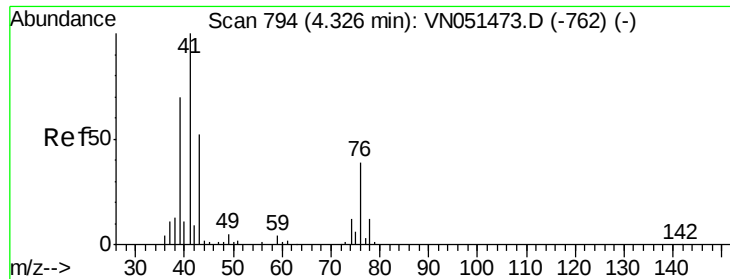
#16
Carbon Disulfide
Concen: 112.592 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 76 Resp: 1814230
Ion Ratio Lower Upper
76 100
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0



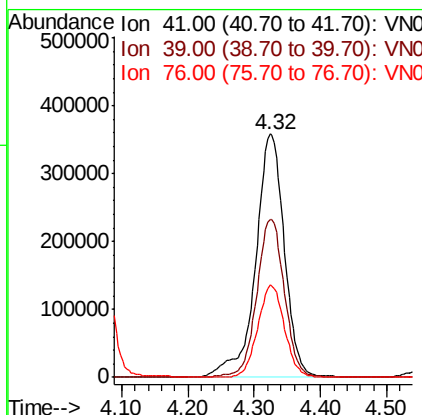
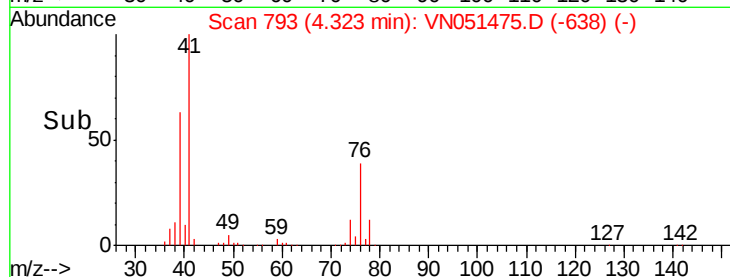
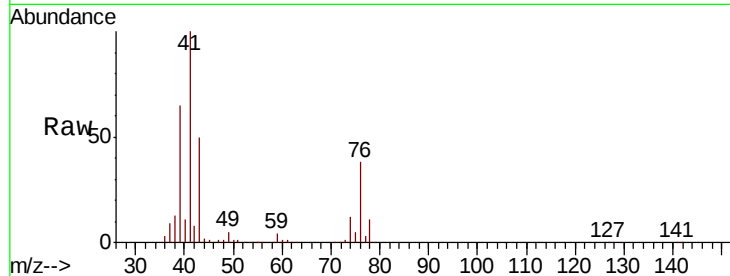


#17
Allvl chloride
Concen: 120.580 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

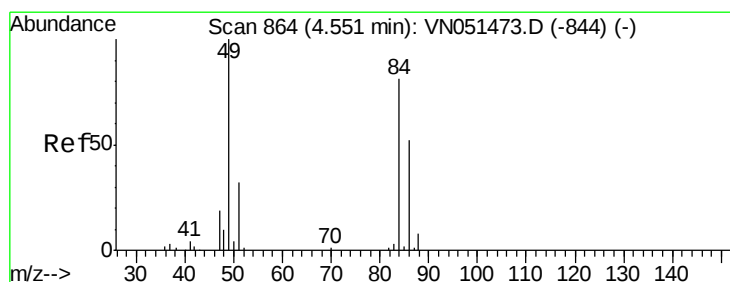
Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	32.6	97.8
76	37.7	20.2	60.5

Manual Integrations
APPROVED



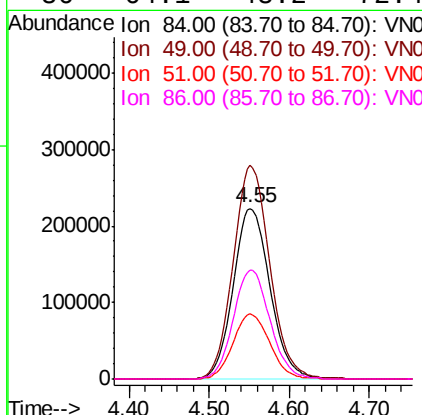
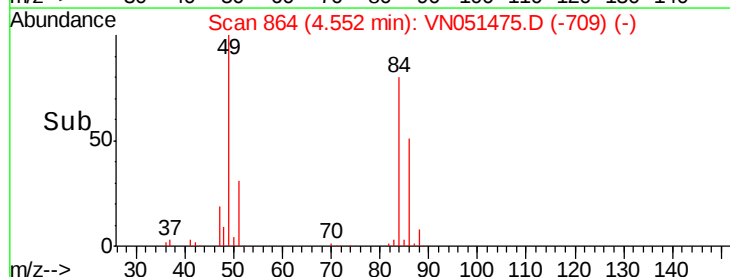
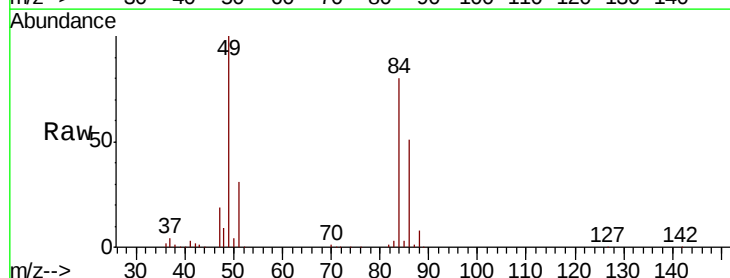
MMDadoda

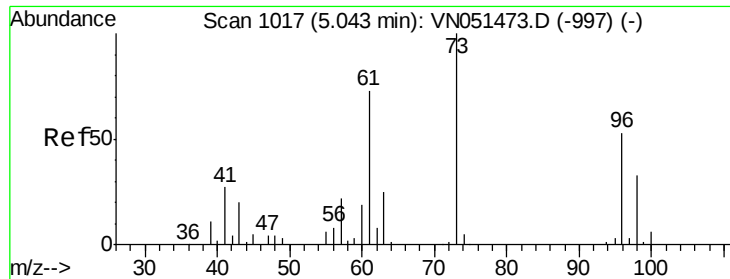
10/1/2018 11:21:27 AM



#18
Methylene Chloride
Concen: 114.883 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	91.6	137.4
51	38.3	29.8	44.6
86	64.1	48.2	72.4



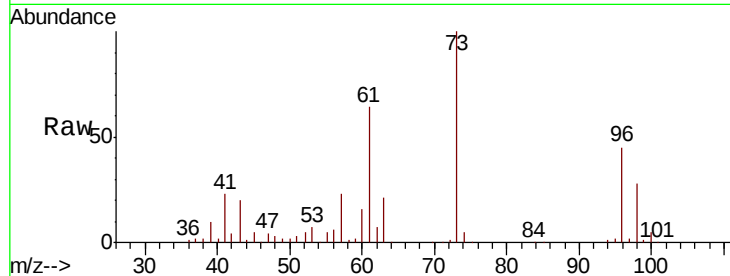


#19
trans-1,2-Dichloroethene
Concen: 118.451 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	112.3	168.5
98	62.8	47.1	70.7

Manual Integrations
APPROVED

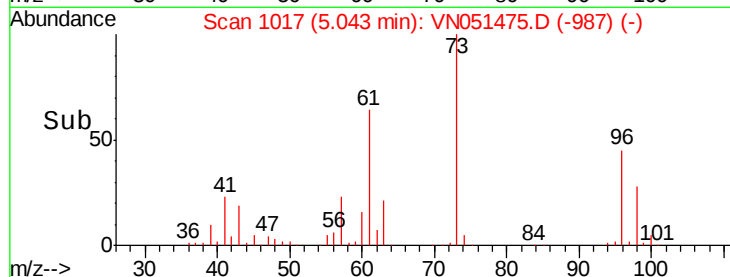
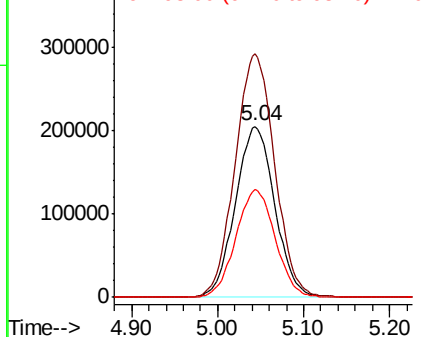


Abundance

Ion 96.00 (95.70 to 96.70): VN051475.D (-997) (-)

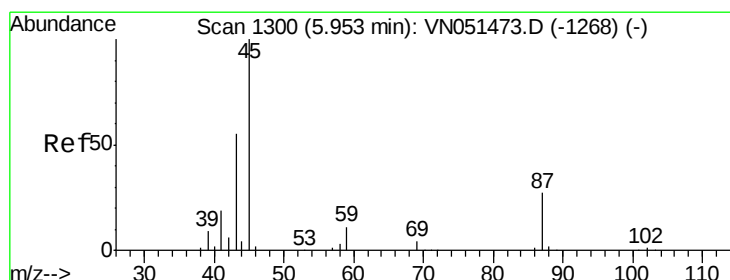
Ion 61.00 (60.70 to 61.70): VN051475.D (-997) (-)

Ion 98.00 (97.70 to 98.70): VN051475.D (-997) (-)



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#20
Diisopropyl ether
Concen: 124.251 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	62.1	93.1#
87	27.1	19.9	29.9
59	11.8	9.8	14.6

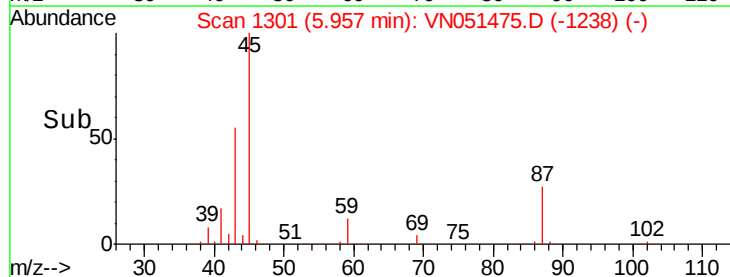
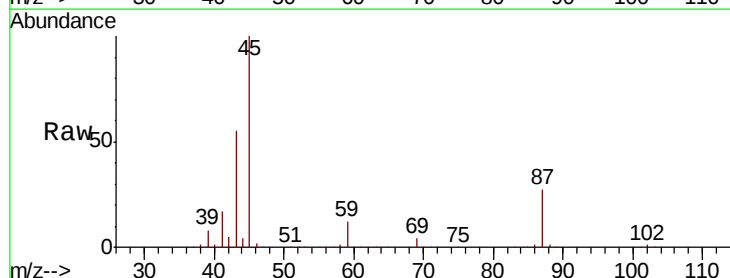
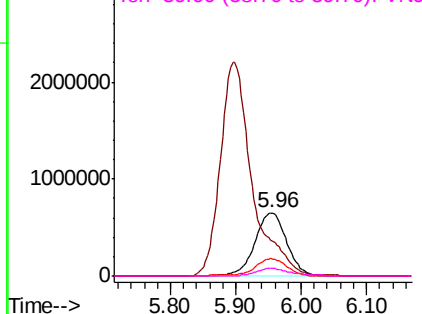
Abundance

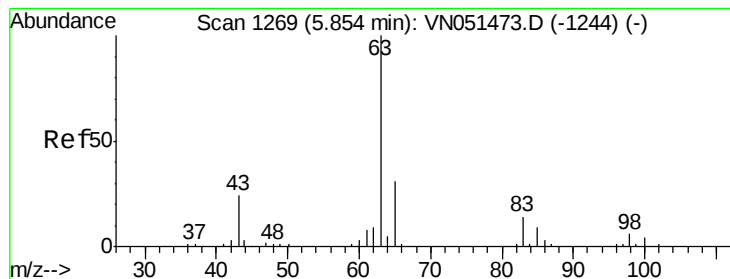
Ion 45.00 (44.70 to 45.70): VN051475.D (-1268) (-)

Ion 43.00 (42.70 to 43.70): VN051475.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VN051475.D (-1268) (-)

Ion 59.00 (58.70 to 59.70): VN051475.D (-1268) (-)





#21

1,1-Dichloroethane

Concen: 116.273 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

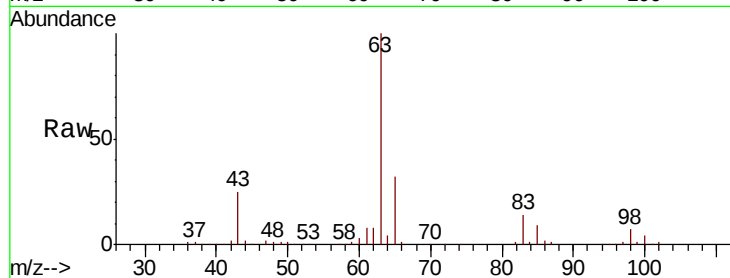
MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:	63	Resp:	1247129
Ion	Ratio	Lower	Upper
63	100		
98	6.6	4.1	12.3
100	4.3	1.6	4.7

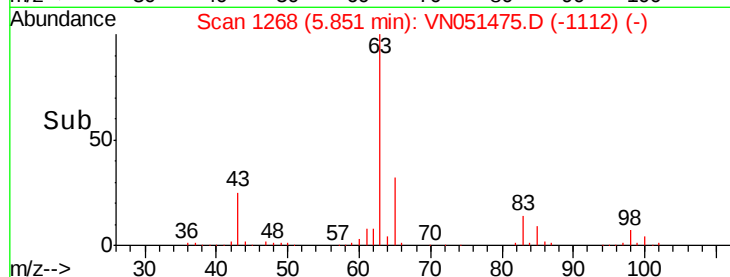
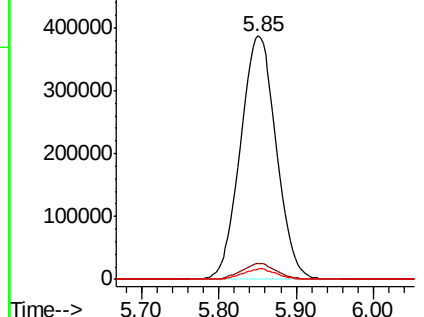
Manual Integrations
APPROVED



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

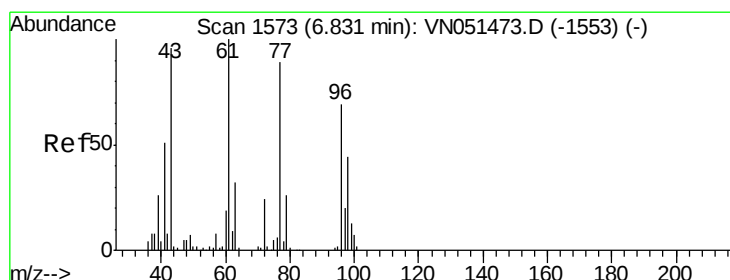
Ion 98.00 (97.70 to 98.70): VN051473.D (-1244) (-)

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



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#22

cis-1,2-Dichloroethene

Concen: 119.923 ug/l

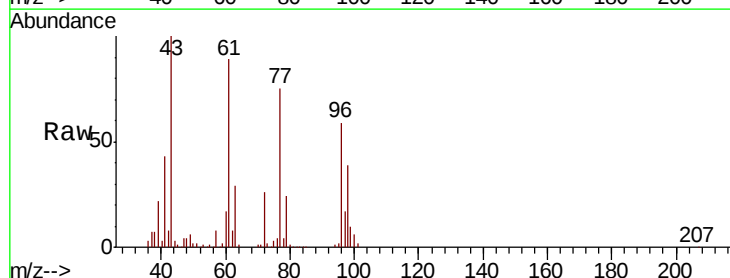
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

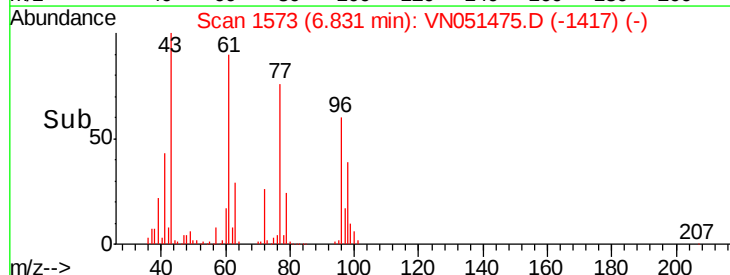
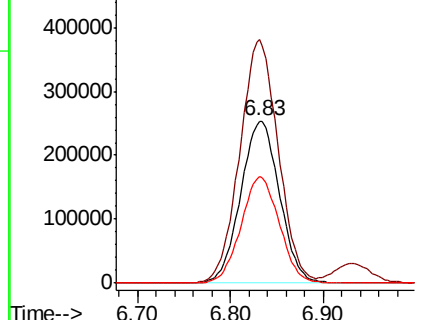
Tgt Ion:	96	Resp:	737957
Ion	Ratio	Lower	Upper
96	100		
61	148.6	124.5	186.7
98	65.0	51.9	77.9

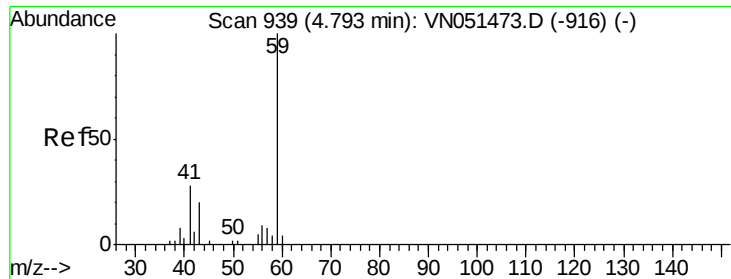


Abundance Ion 96.00 (95.70 to 96.70): VN051473.D (-1553) (-)

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

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



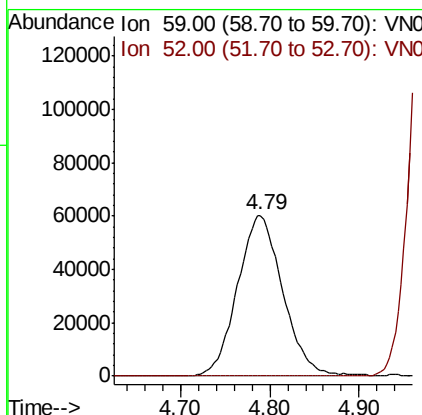
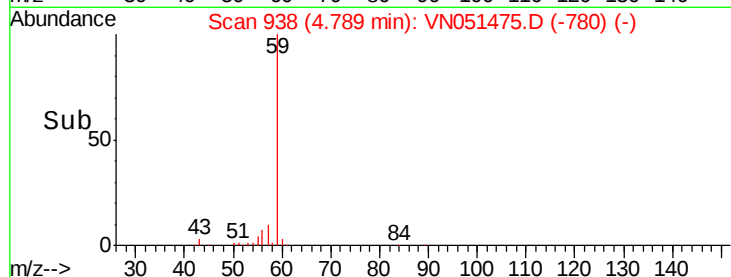
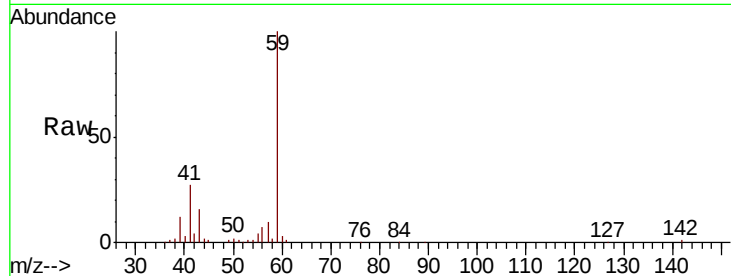


#23
tert-Butyl Alcohol
Concen: 619.240 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

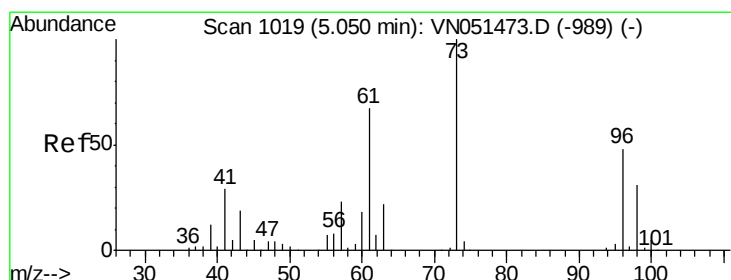
Tot Ion: 59 Resp: 211505
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

Manual Integrations
APPROVED



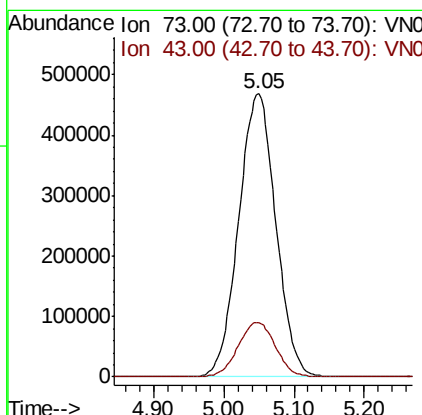
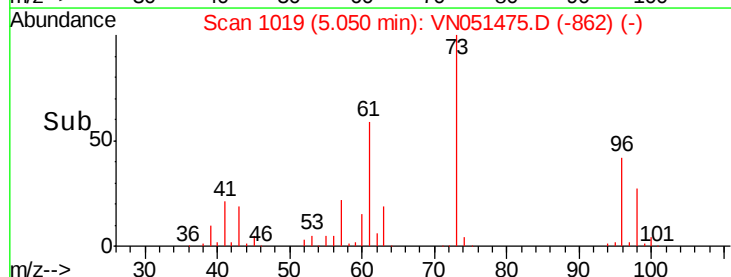
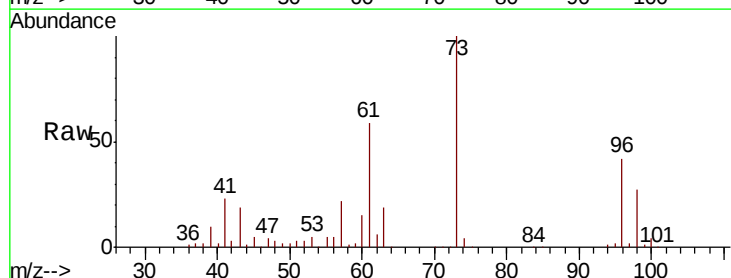
MMDadoda

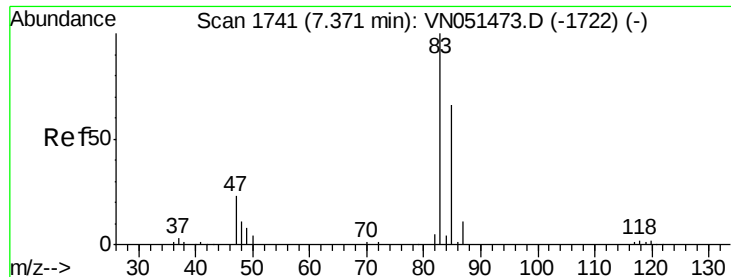
10/1/2018 11:21:27 AM



#24
Methyl tert-Butyl Ether
Concen: 124.258 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 73 Resp: 1719240
Ion Ratio Lower Upper
73 100
43 19.3 5.4 8.0#



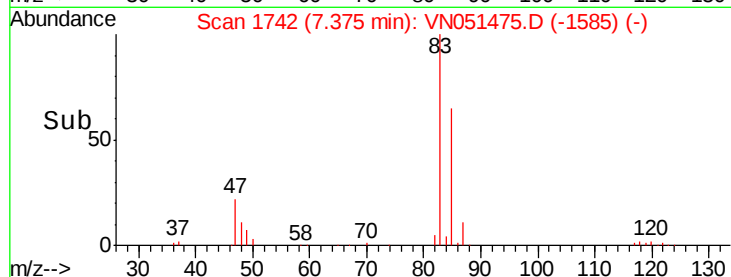
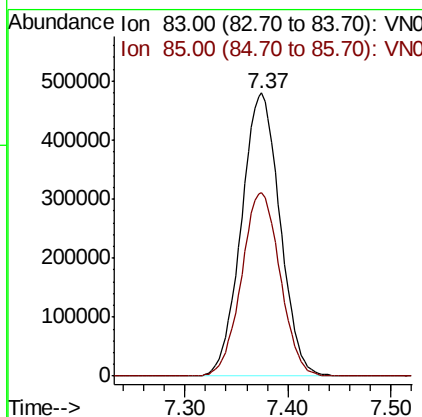
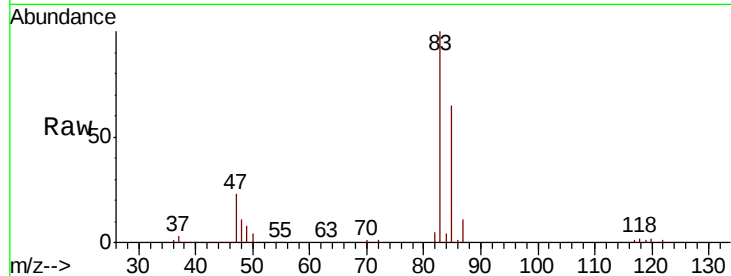


#25
Chloroform
Concen: 116.432 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

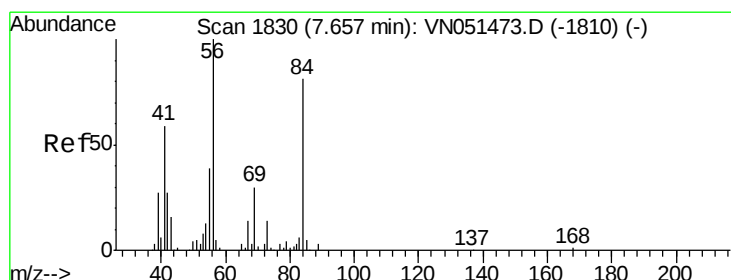
Tot Ion: 83 Resp: 1245601
Ion Ratio Lower Upper
83 100
85 65.1 54.6 82.0

Manual Integrations
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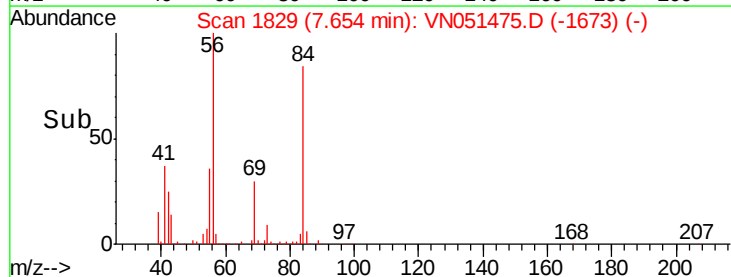
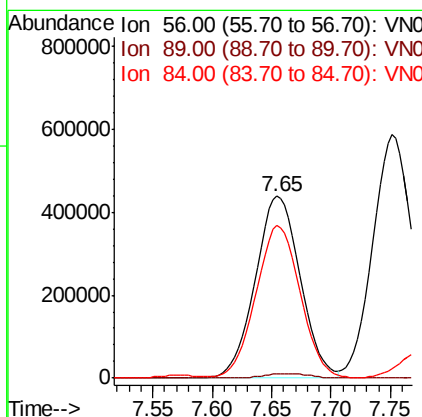
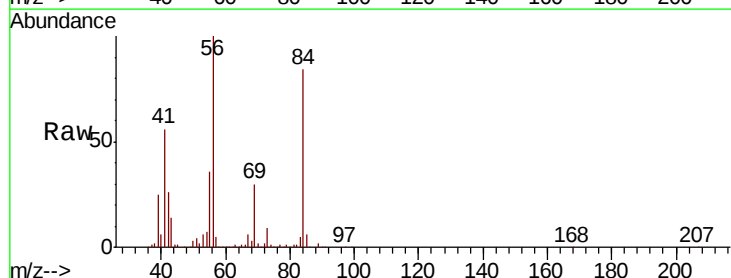
MMDadoda

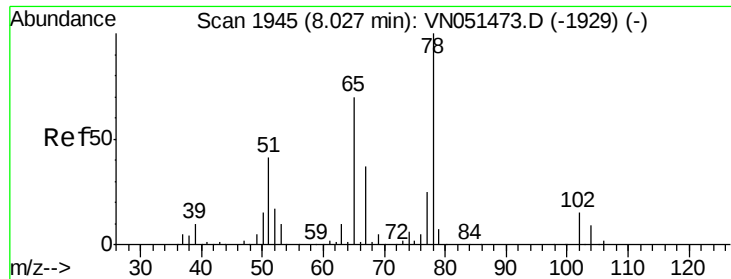
10/1/2018 11:21:27 AM



#26
Cyclohexane
Concen: 125.825 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 56 Resp: 1148975
Ion Ratio Lower Upper
56 100
89 2.5 1.5 2.3#
84 82.9 64.2 96.4



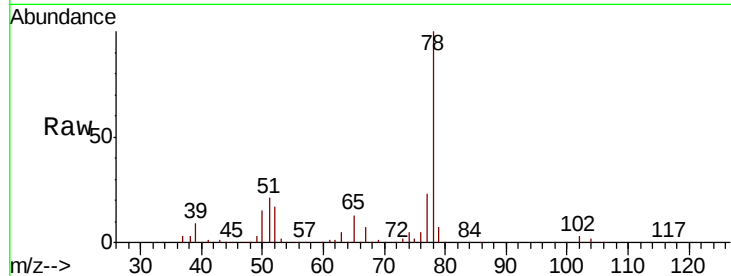


#27
 1,2-Dichloroethane-d4
 Concen: 29.908 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

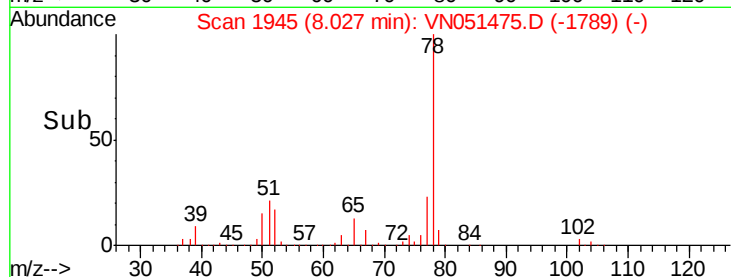
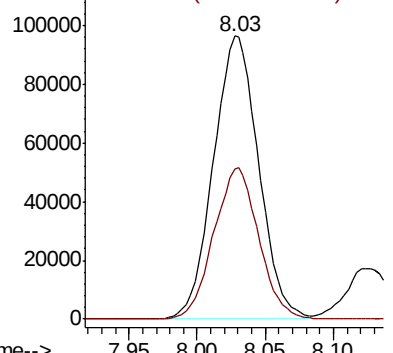
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	41.8	62.8

Manual Integrations
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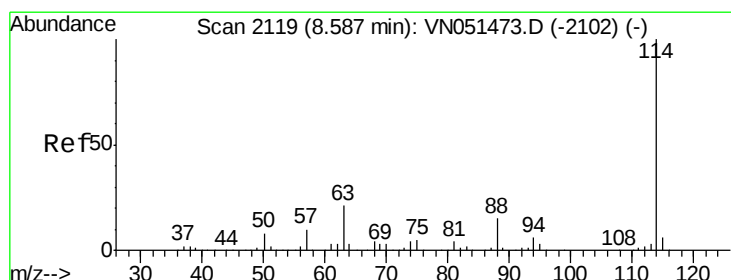


Abundance Ion 65.00 (64.70 to 65.70): VN051475.D (-1929) (-)



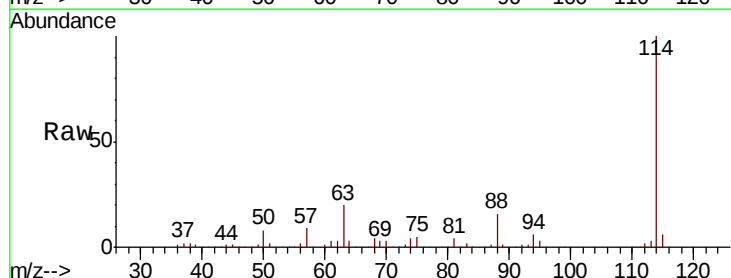
MMDadoda

10/1/2018 11:21:27 AM

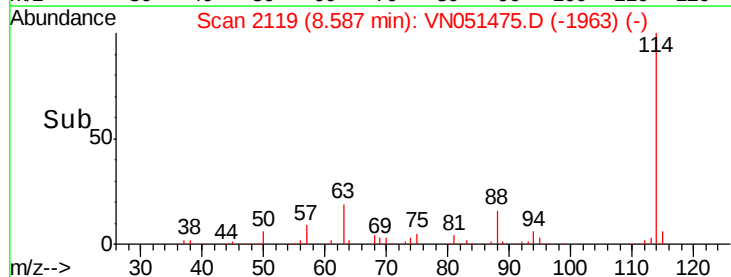
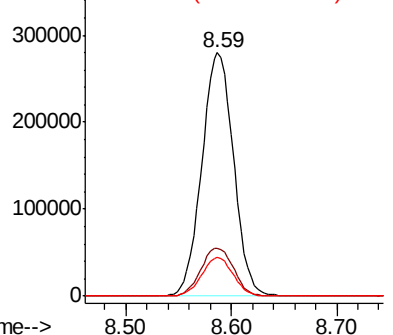


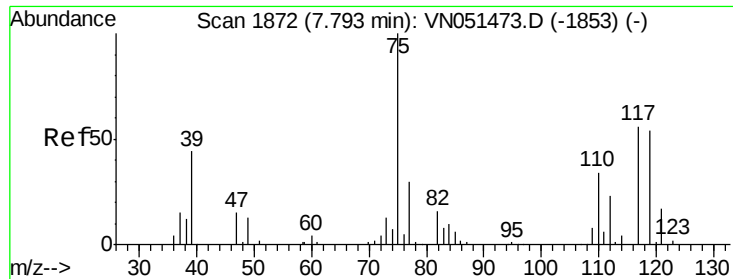
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.2	24.2
88	15.7	12.2	18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051475.D (-2102) (-)



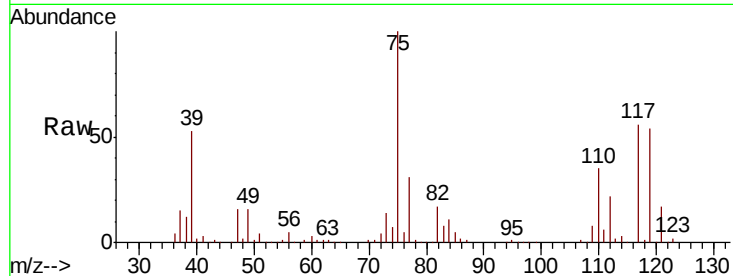


#29
 1,1-Dichloropropene
 Concen: 120.313 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

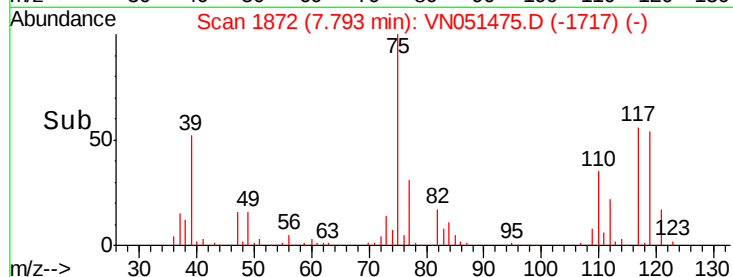
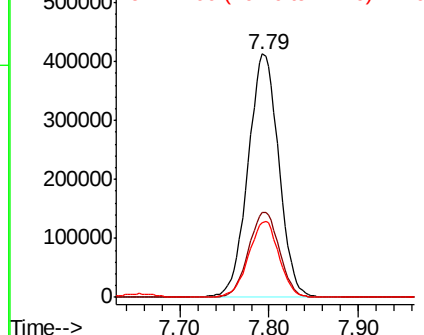
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.2	0.0	70.8
77	31.1	0.0	61.6

Manual Integrations
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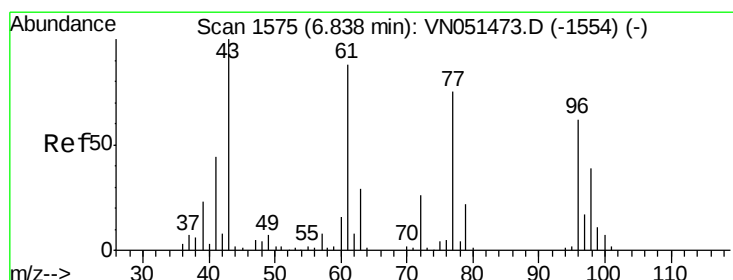


Abundance Ion 75.00 (74.70 to 75.70): VN051475.D (-1853) (-)
 Ion 110.00 (109.70 to 110.70): VN051475.D (-1853) (-)
 Ion 77.00 (76.70 to 77.70): VN051475.D (-1853) (-)



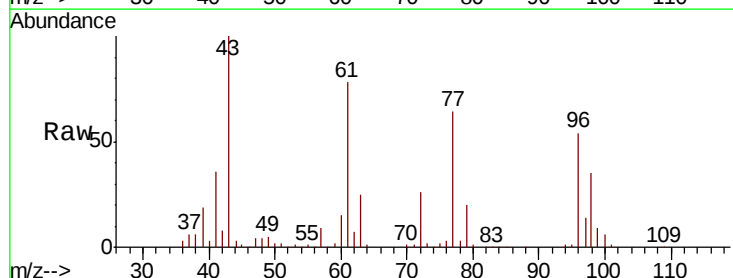
MMDadoda

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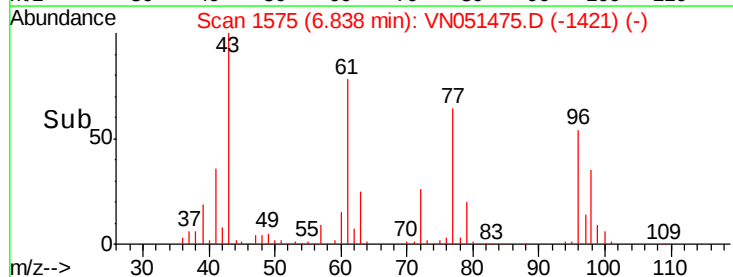
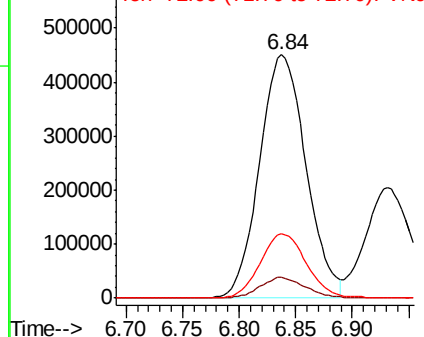


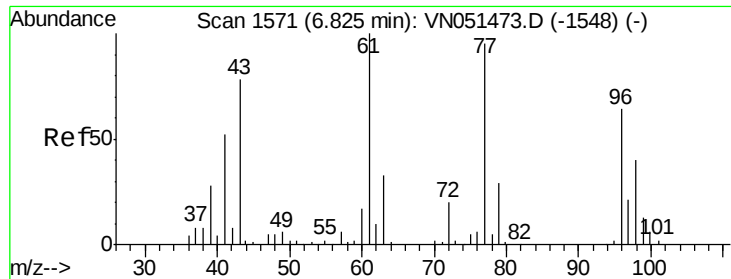
#30
 2-Butanone
 Concen: 604.952 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	4.5	6.7#
72	26.6	21.5	32.3



Abundance Ion 43.00 (42.70 to 43.70): VN051475.D (-1554) (-)
 Ion 57.00 (56.70 to 57.70): VN051475.D (-1554) (-)
 Ion 72.00 (71.70 to 72.70): VN051475.D (-1554) (-)



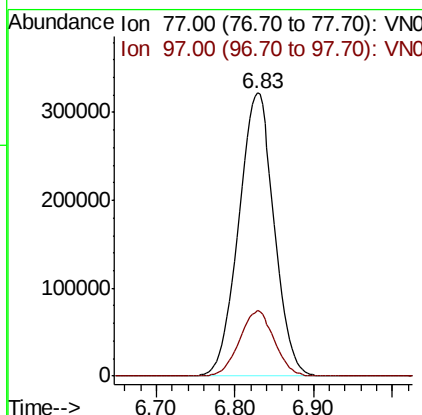
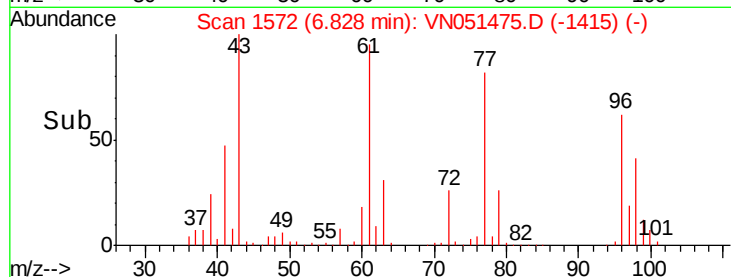
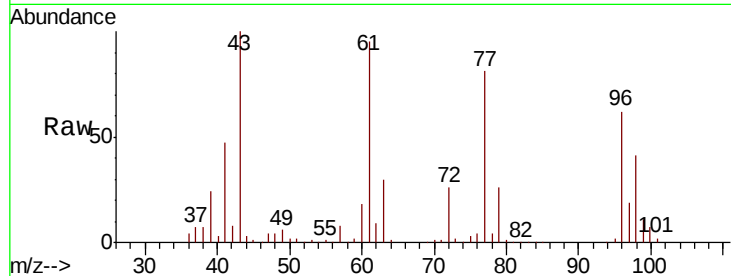


#31
 2,2-Dichloropropane
 Concen: 116.412 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

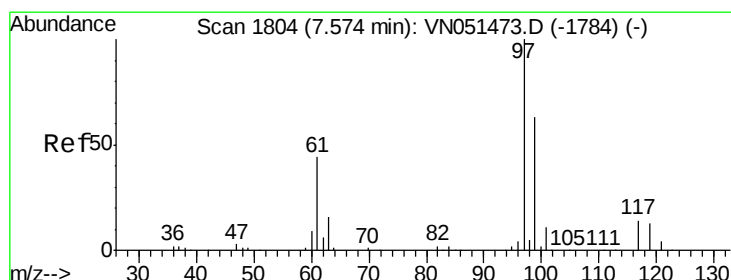
Tot Ion: 77 Resp: 1019320
 Ion Ratio Lower Upper
 77 100
 97 22.8 12.0 18.0#

Manual Integrations
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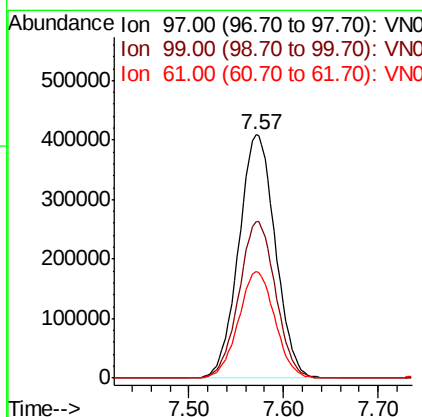
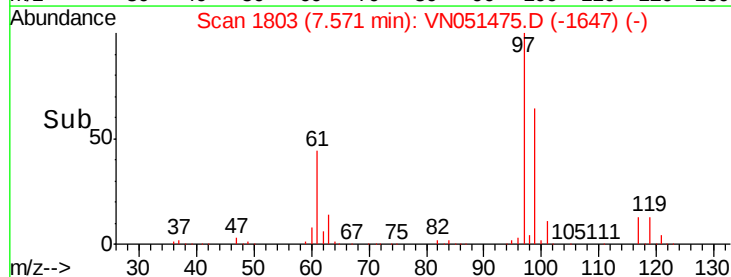
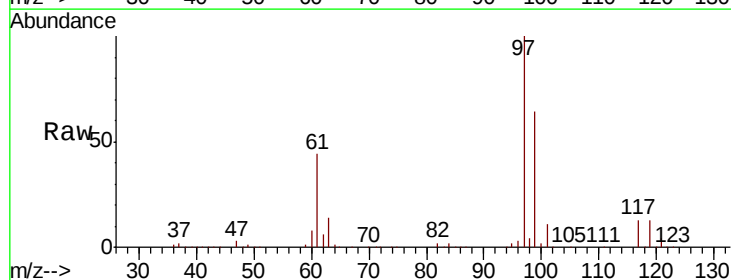
MMDadoda

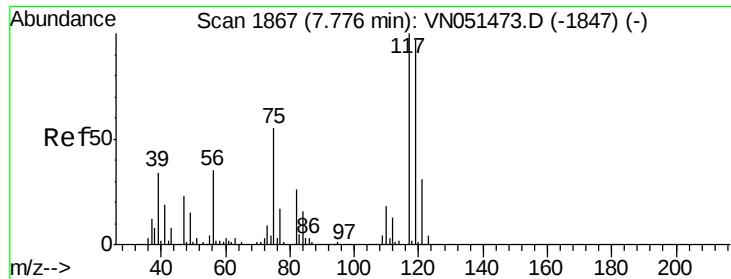
10/1/2018 11:21:27 AM



#32
 1,1,1-Trichloroethane
 Concen: 117.025 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 97 Resp: 1096684
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 43.5 37.4 56.0



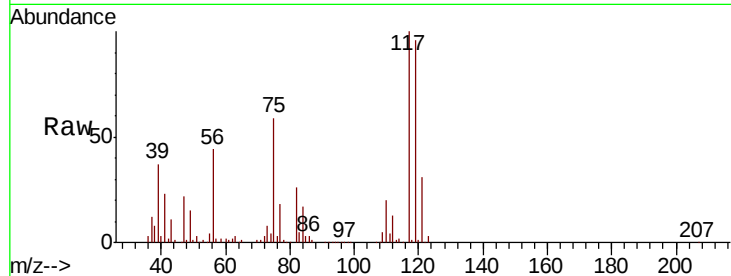


#33
Carbon Tetrachloride
Concen: 116.023 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	85.1	127.7
121	30.7	24.2	36.2

Manual Integrations
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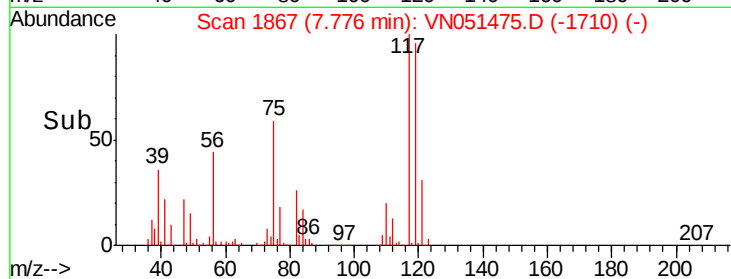
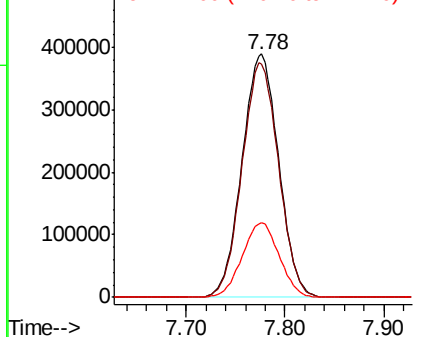


Abundance

Ion 117.00 (116.70 to 117.70): V

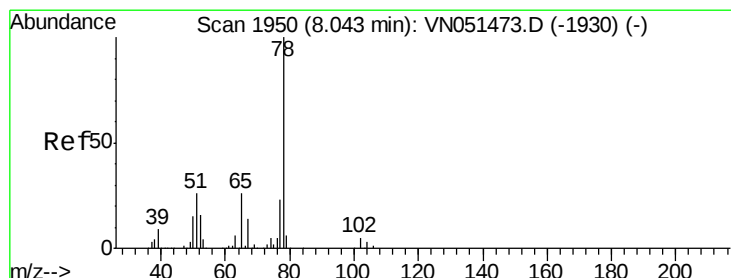
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



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#34
Benzene
Concen: 116.849 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

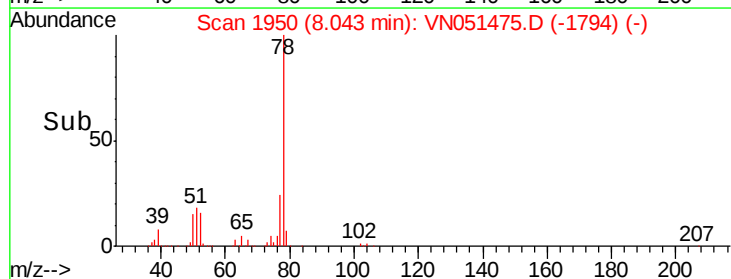
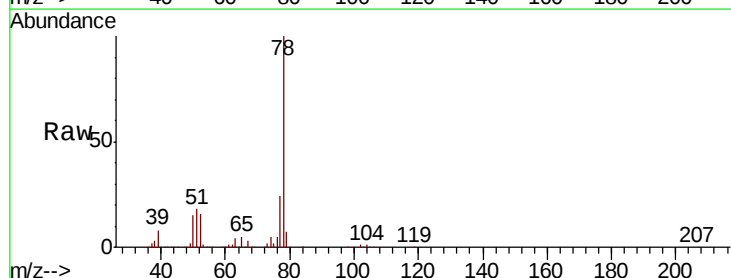
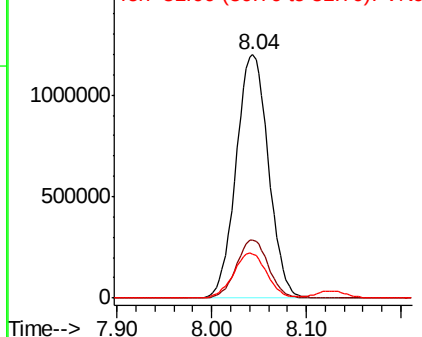
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2
51	18.1	46.2	69.4#

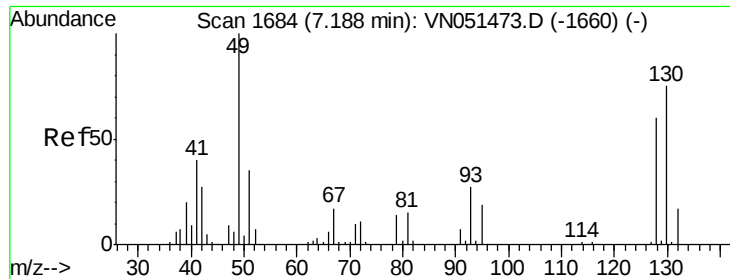
Abundance

Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO



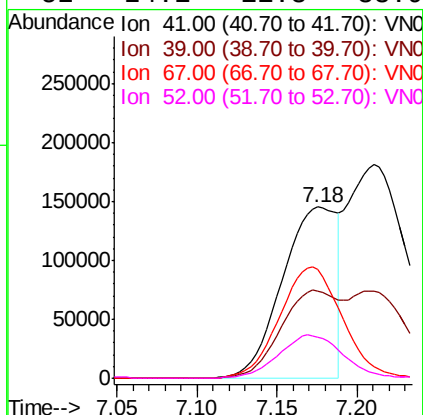
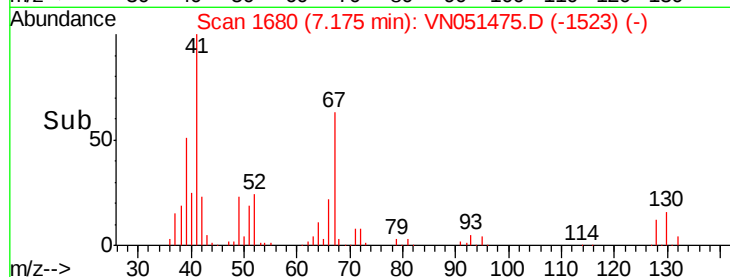
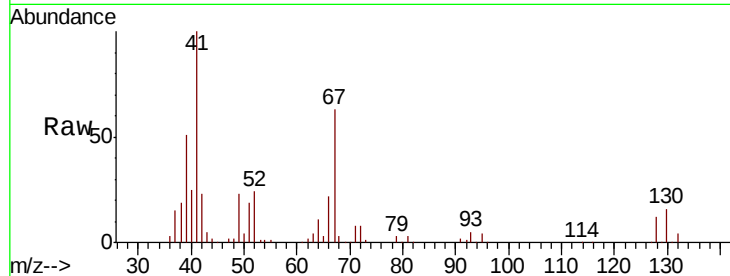


#35
Methacrylonitrile
Concen: 112.968 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

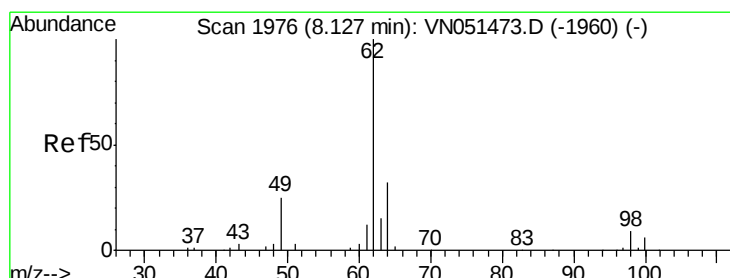
Tot Ion	41.00	Resp:	345183
Ion	Ratio	Lower	Upper
41	100		
39	51.0	22.6	67.7
67	63.4	28.9	86.8
52	24.1	11.3	33.9

Manual Integrations
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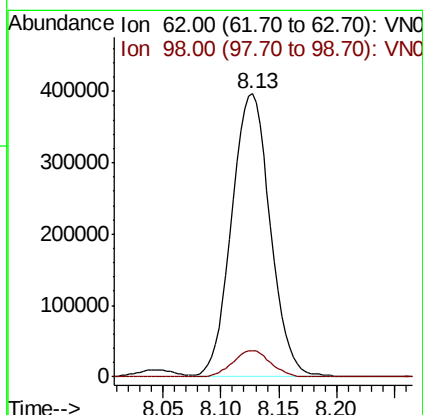
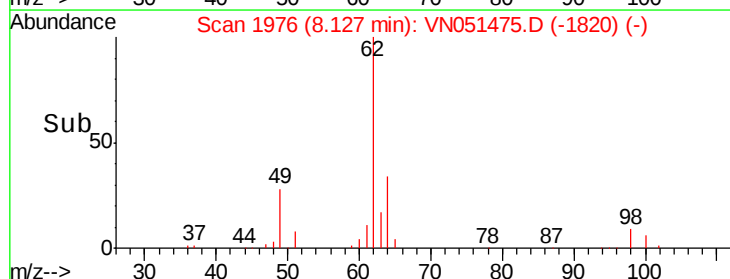
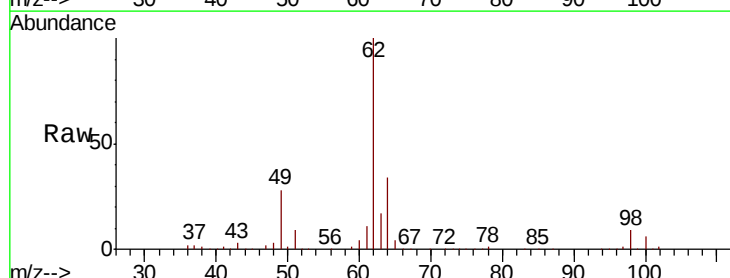
MMDadoda

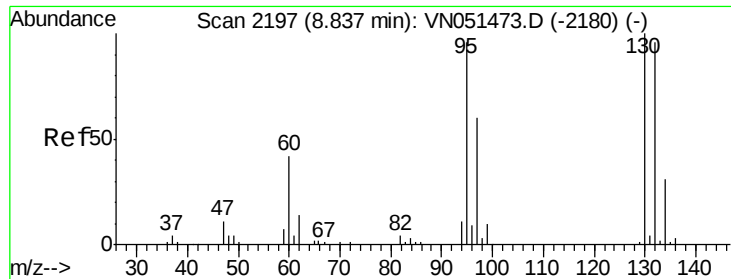
10/1/2018 11:21:27 AM



#36
1,2-Dichloroethane
Concen: 114.843 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	62.00	Resp:	911355
Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.9	10.3



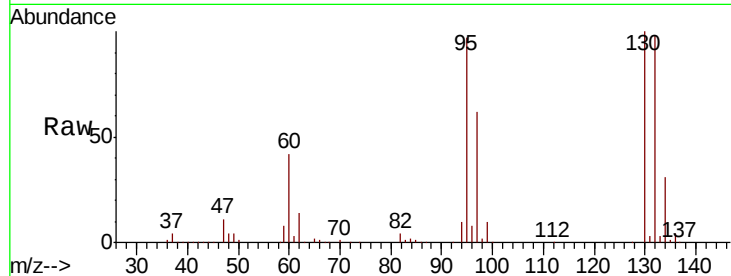


#37
 Trichloroethene
 Concen: 115.307 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

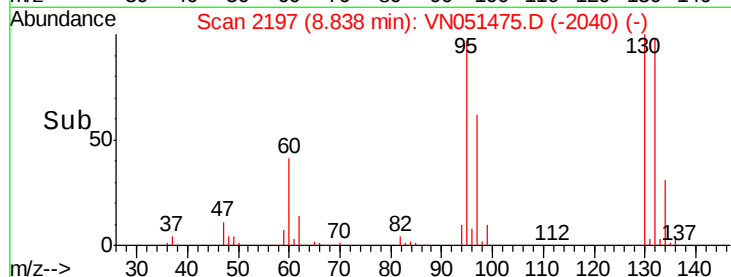
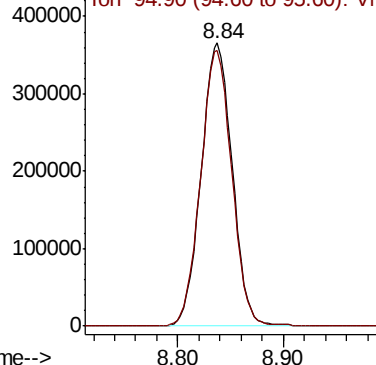
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:130 Resp: 744811
 Ion Ratio Lower Upper
 130 100
 95 97.3 76.4 114.6

Manual Integrations
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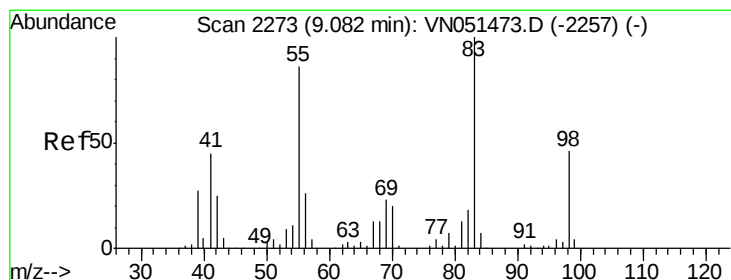


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VNO



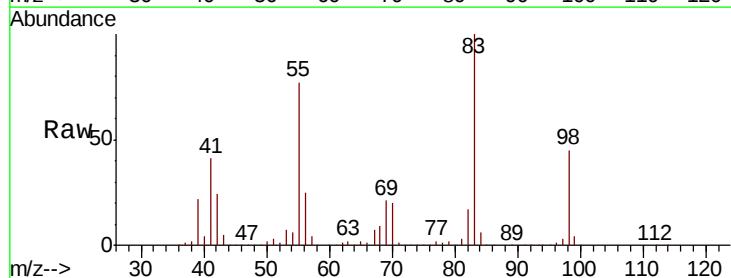
MMDadoda

10/1/2018 11:21:27 AM

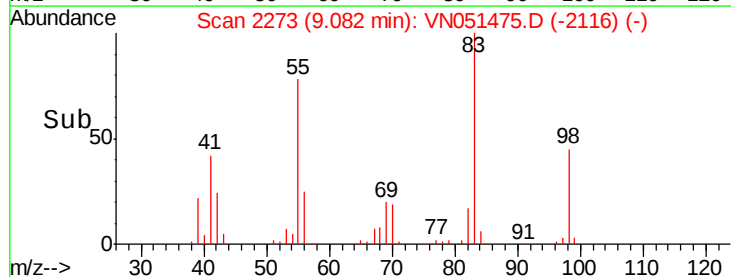
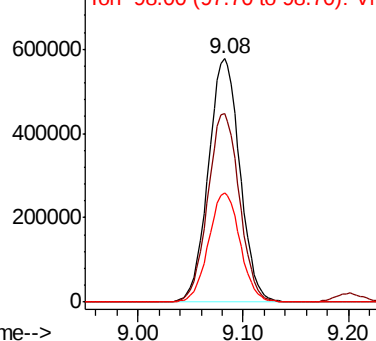


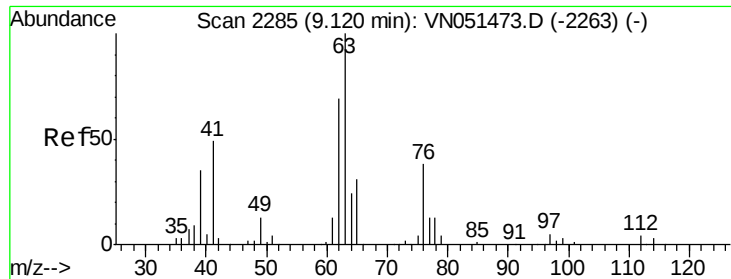
#38
 Methylcyclohexane
 Concen: 125.890 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion: 83 Resp: 1197938
 Ion Ratio Lower Upper
 83 100
 55 78.0 43.0 129.2
 98 45.1 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO



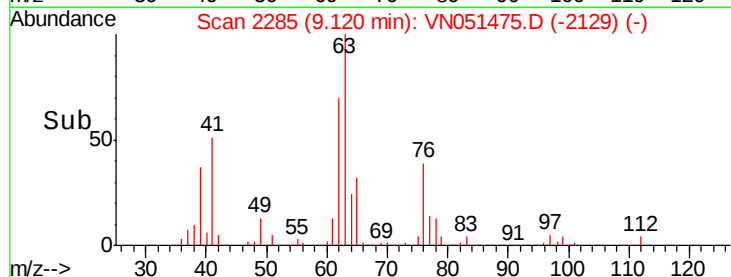
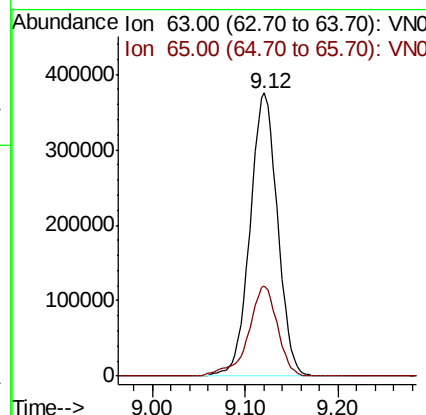
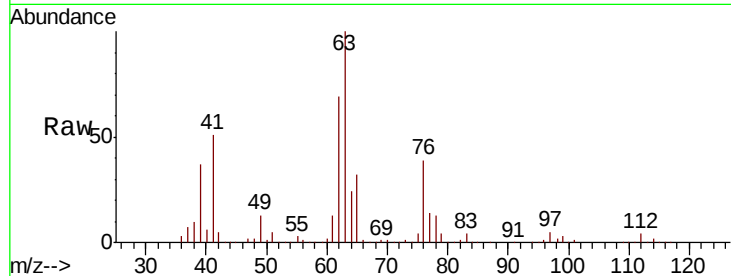


#39
 1,2-Dichloropropane
 Concen: 116.495 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

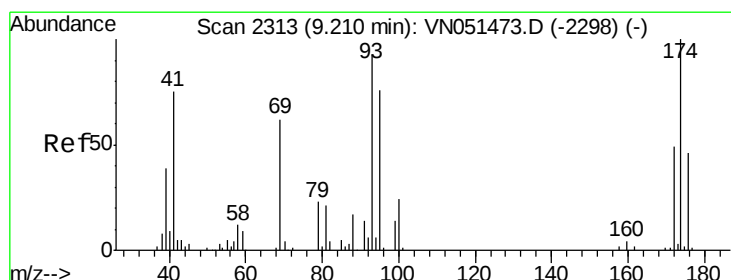
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.2	34.8

Manual Integrations
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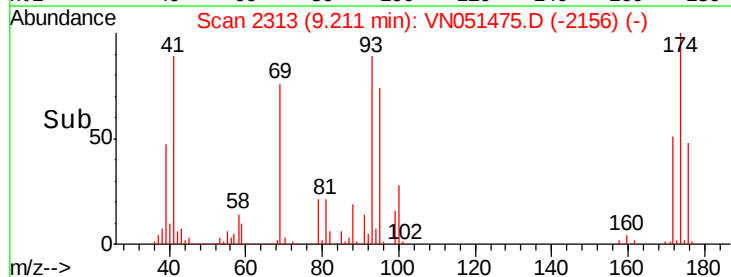
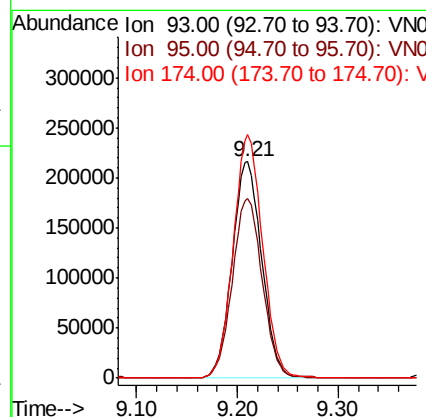
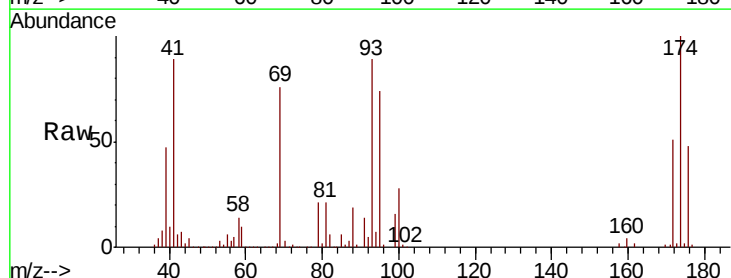
MMDadoda

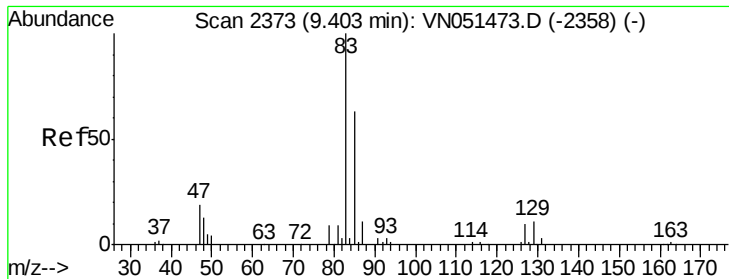
10/1/2018 11:21:27 AM



#40
 Dibromomethane
 Concen: 117.225 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	0.0	162.0
174	111.7	0.0	214.0



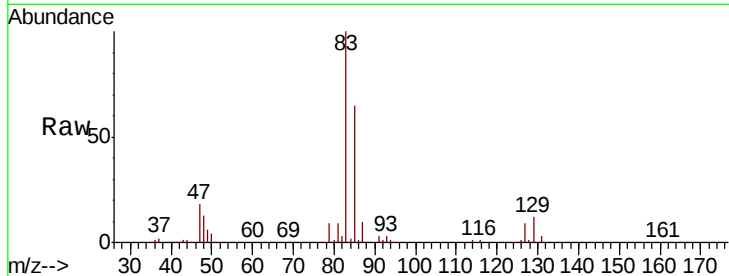


#41
Bromodichloromethane
Concen: 118.210 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

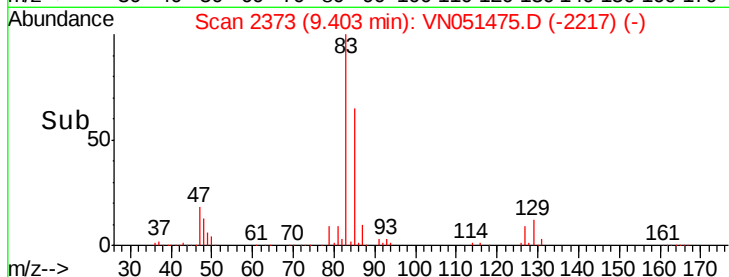
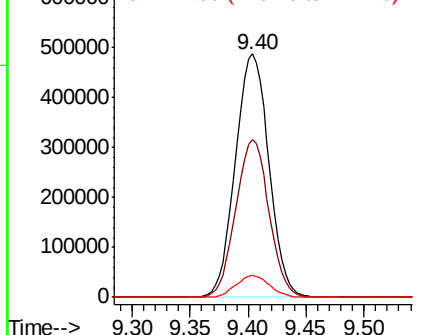
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	980693
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	55.7	83.5
127	9.0	8.2	12.4

Manual Integrations
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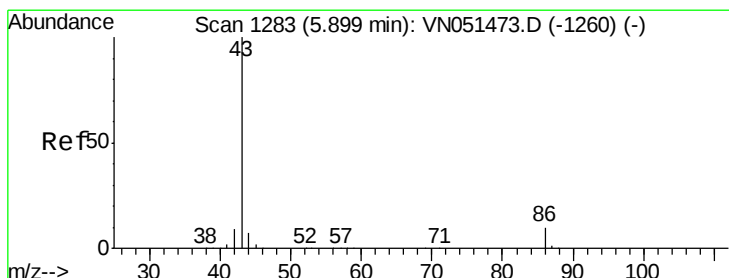


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



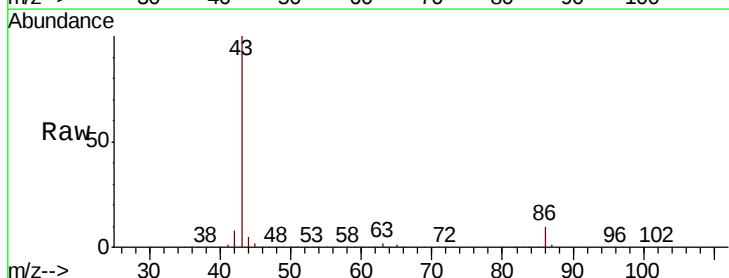
MMDadoda

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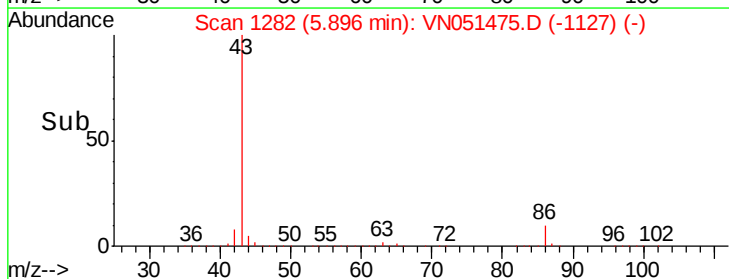
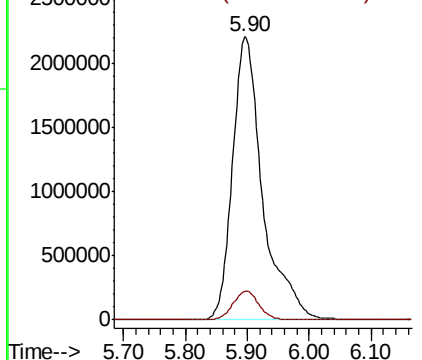


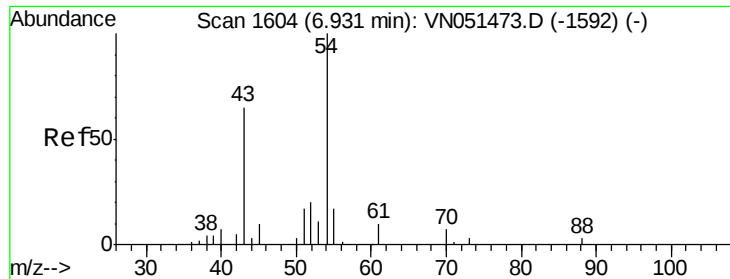
#42
Vinyl Acetate
Concen: 633.559 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	43	Resp	7470024
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



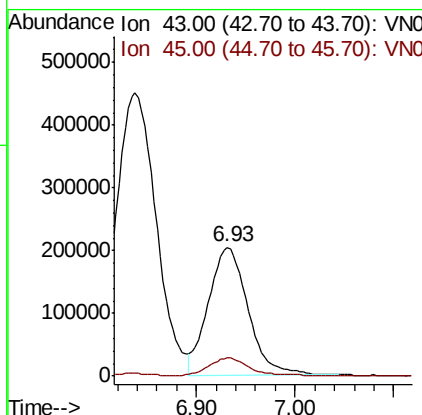
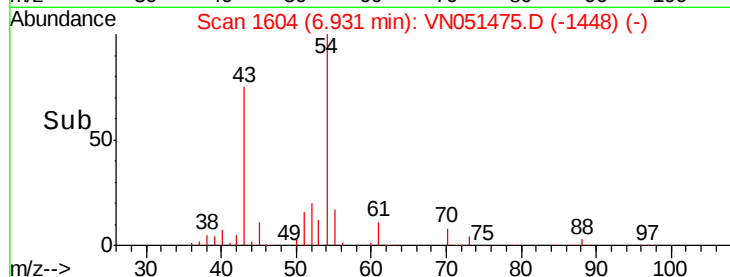
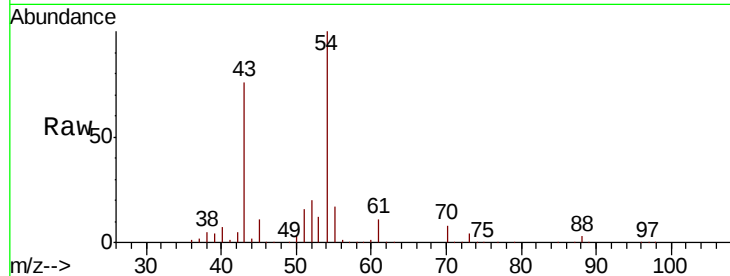


#43
Ethyl Acetate
Concen: 129.855 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

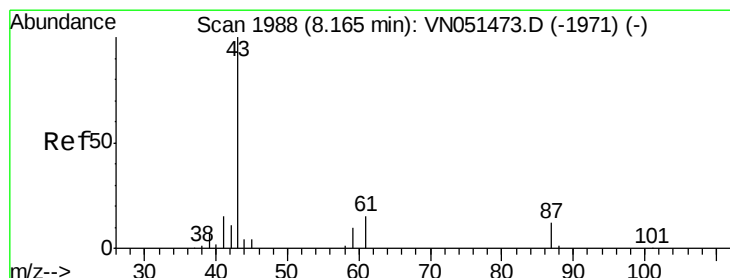
Tot Ion	43	45	Ratio	Lower	Upper
572901	100	13.2		11.0	16.6

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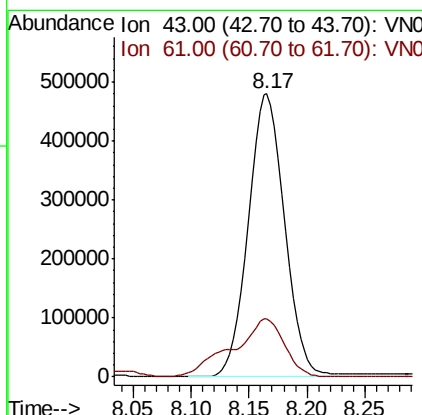
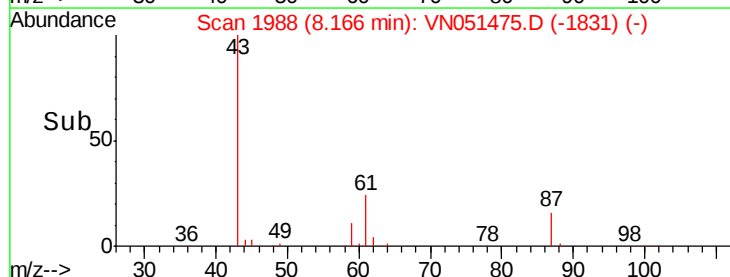
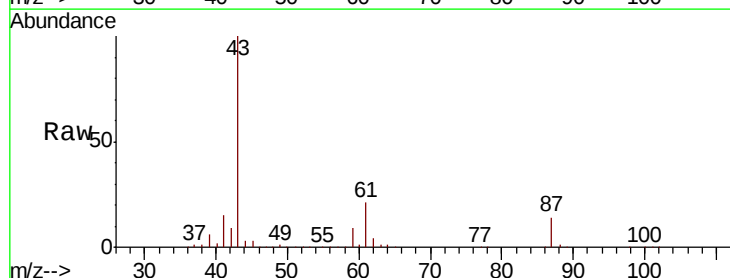
MMDadoda

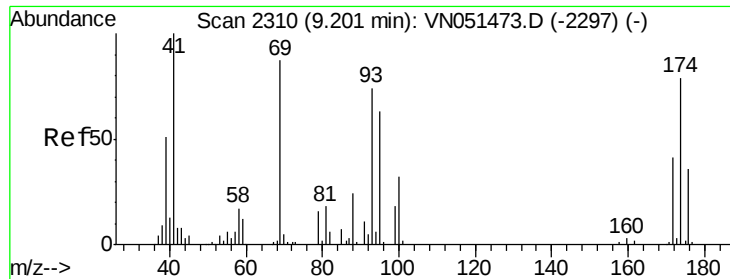
10/1/2018 11:21:27 AM



#44
Isopropyl Acetate
Concen: 123.159 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	43	61	Ratio	Lower	Upper
1045030	100	20.5		15.9	23.9



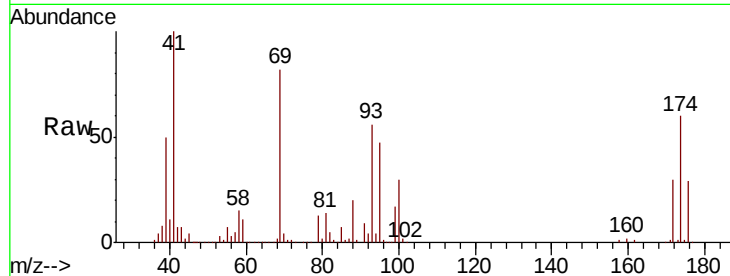


#45
1,4-Dioxane
Concen: 2516.109 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.01 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.2
58	71.4	65.6	98.4

Manual Integrations
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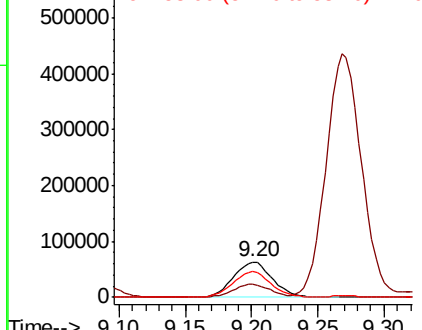


Abundance

Ion 88.00 (87.70 to 88.70): VNO

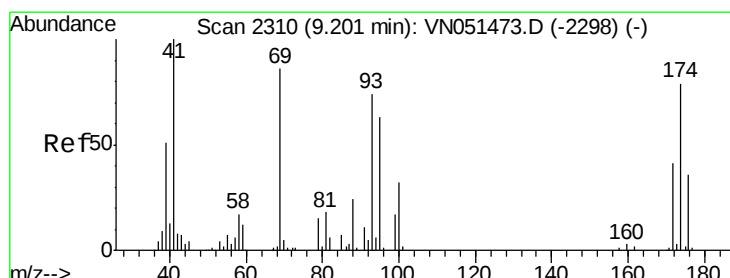
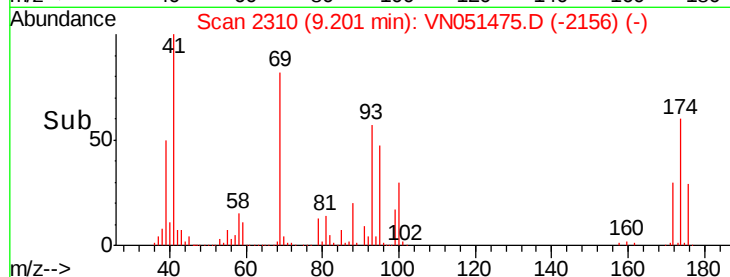
Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



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#46
Methyl methacrylate
Concen: 130.440 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

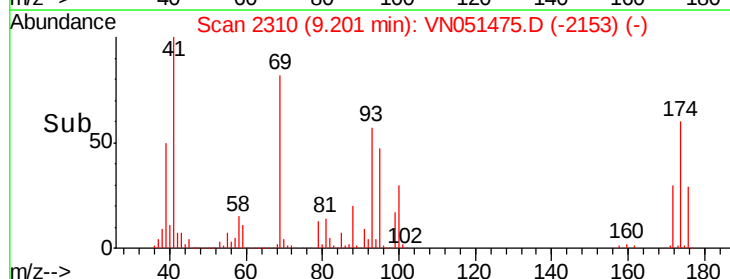
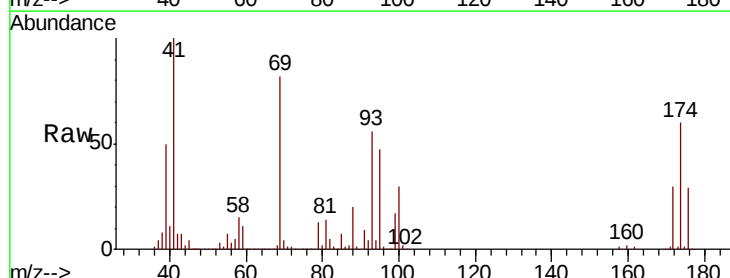
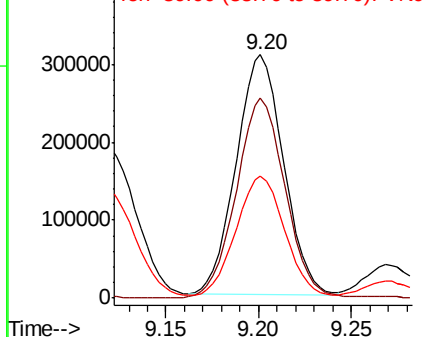
Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	40.7	122.1
39	49.9	27.3	81.9

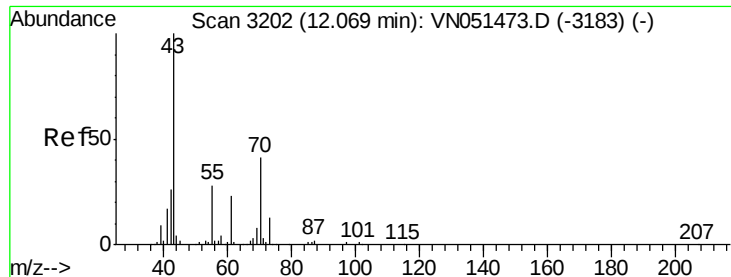
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



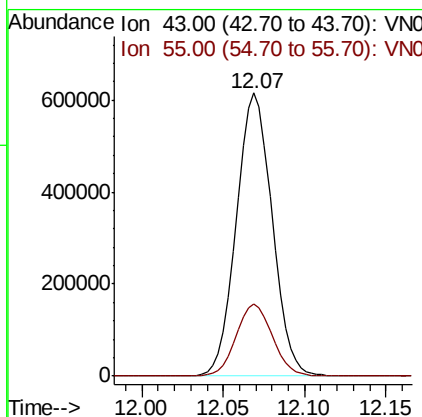
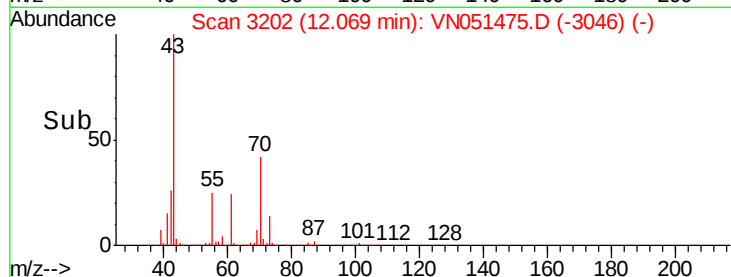
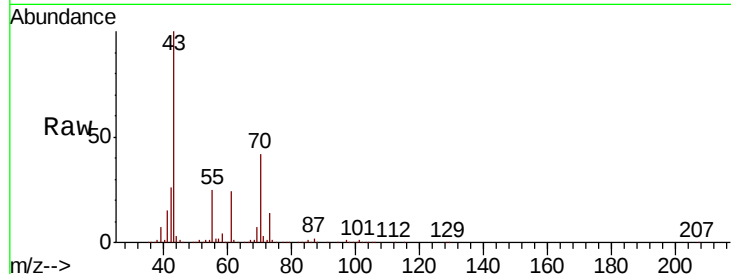


#47
n-amvl Acetate
Concen: 138.971 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

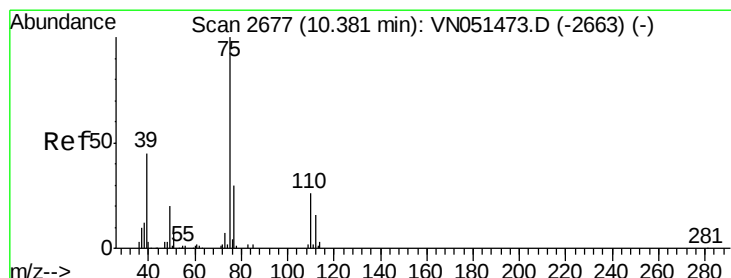
Tot Ion: 43 Resp: 942300
Ion Ratio Lower Upper
43 100
55 0.0 12.2 18.4#

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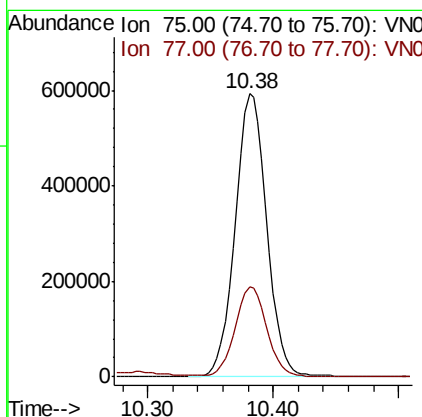
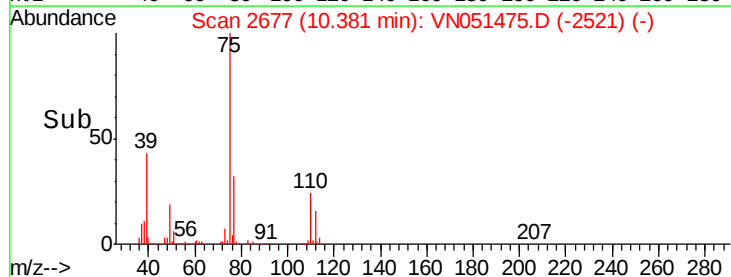
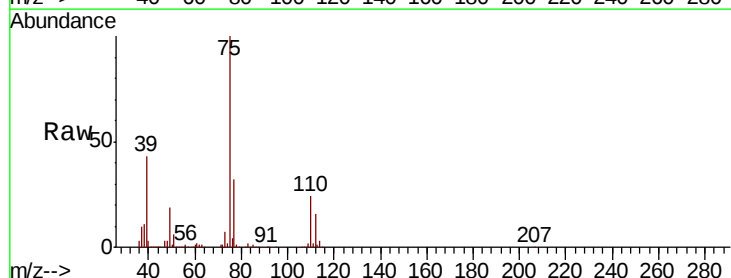
MMDadoda

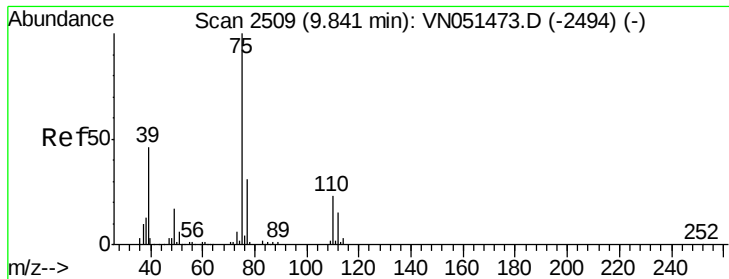
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#48
t-1,3-Dichloropropene
Concen: 125.966 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 75 Resp: 1037730
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0





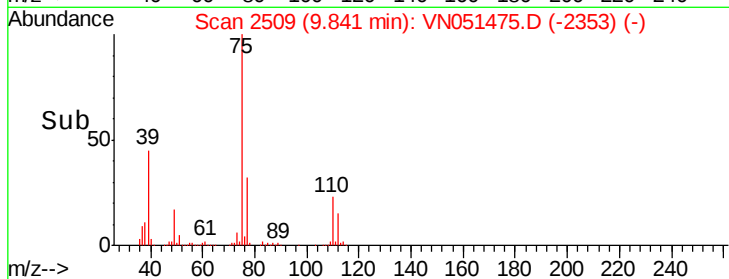
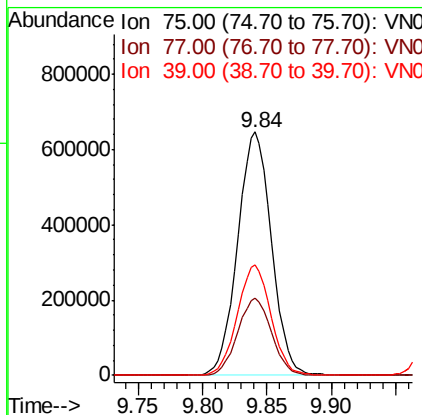
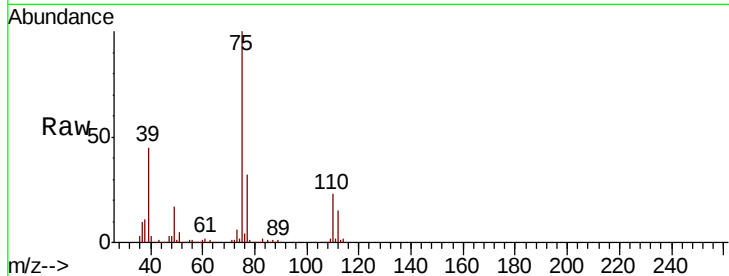
#49

cis-1,3-Dichloropropene
 Concen: 123.850 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

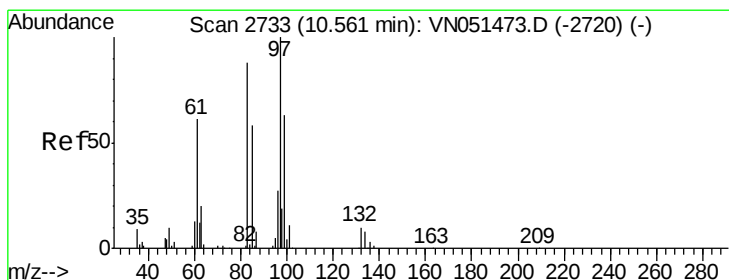
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	23.2	34.8
39	45.1	34.6	52.0

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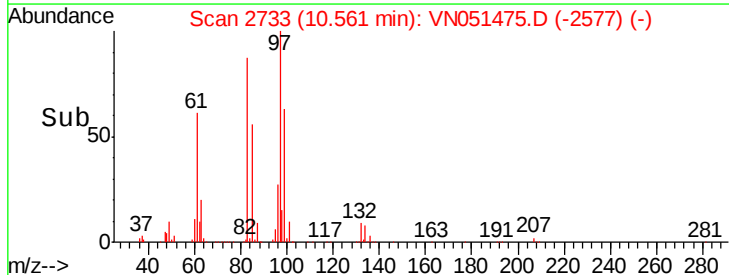
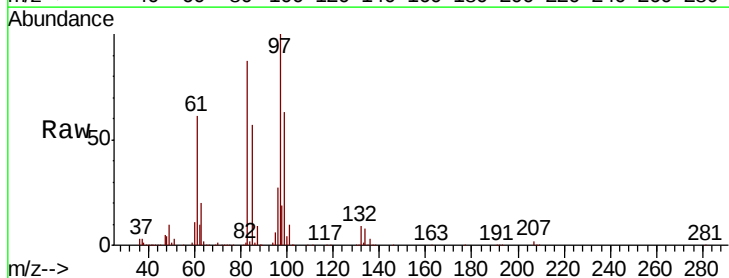
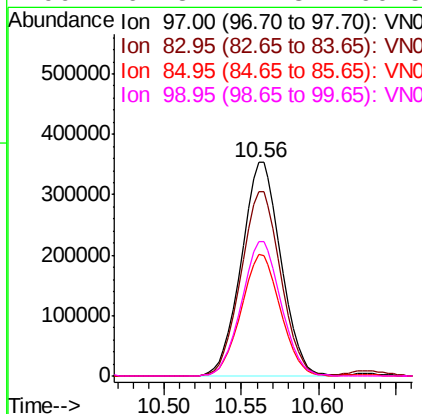
10/1/2018 11:21:27 AM

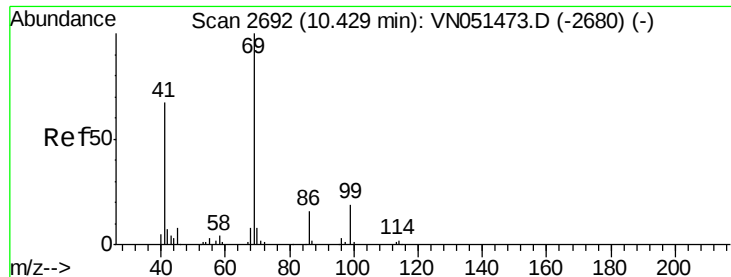


#50

1,1,2-Trichloroethane
 Concen: 117.023 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.2	102.4
85	56.7	42.5	63.7
99	62.8	44.3	66.5





#51

Ethyl methacrylate

Concen: 132.253 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

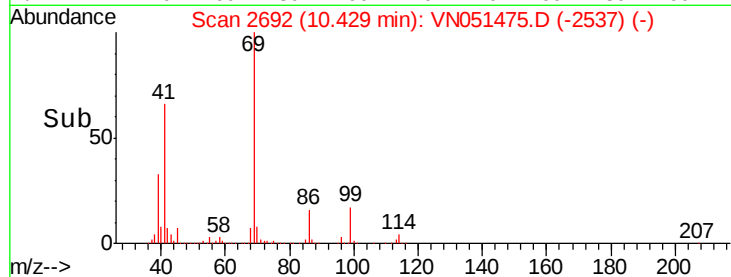
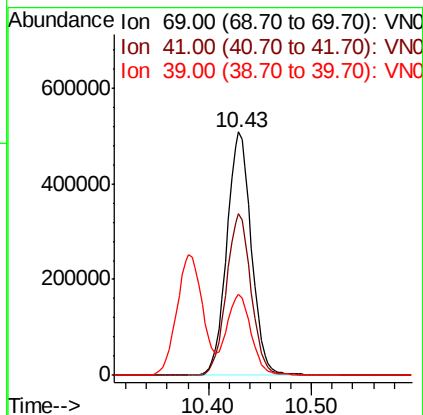
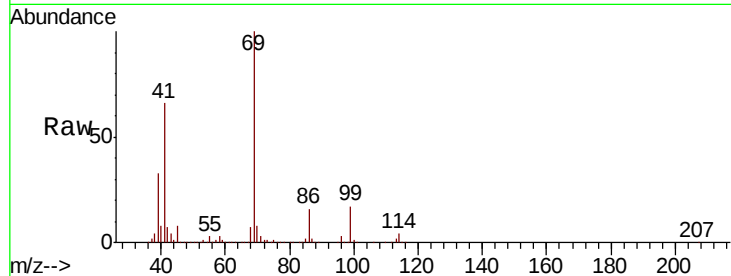
MSVOA_N

ClientSampled :

VSTDIC100

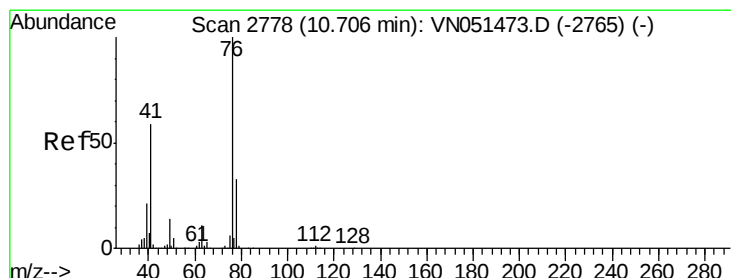
Tot Ion:	69	Resp:	844485
Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.4	103.1
39	32.9	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 120.066 ug/l

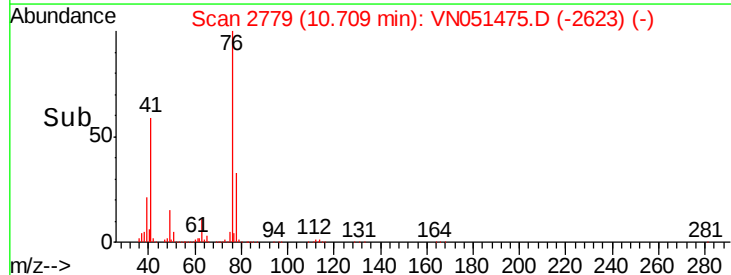
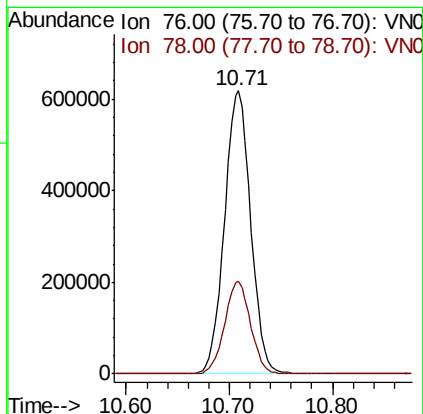
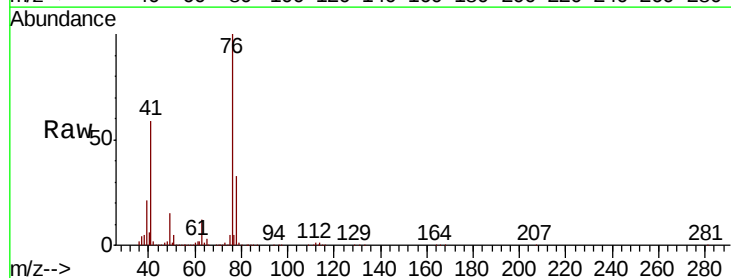
RT: 10.71 min Scan# 2779

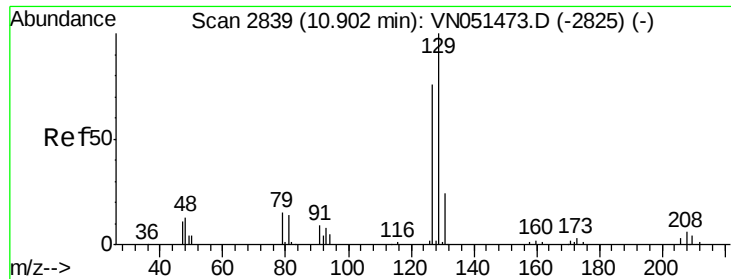
Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Tgt Ion:	76	Resp:	1092863
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	67.6



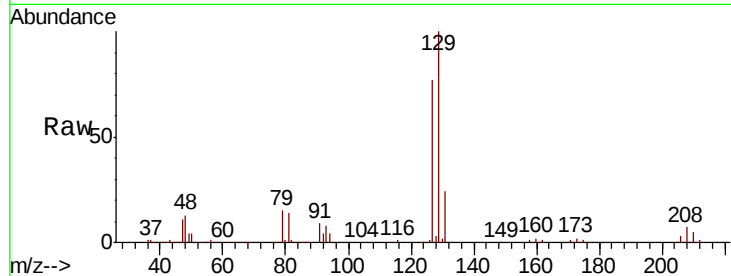


#53
 Dibromochloromethane
 Concen: 122.654 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

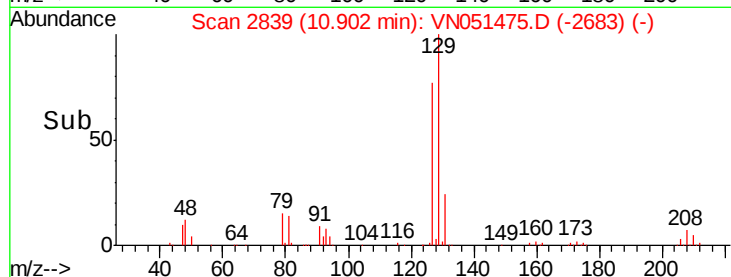
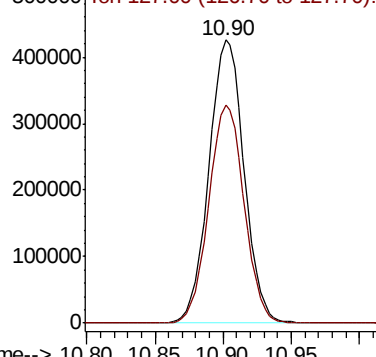
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.6	40.2	120.5

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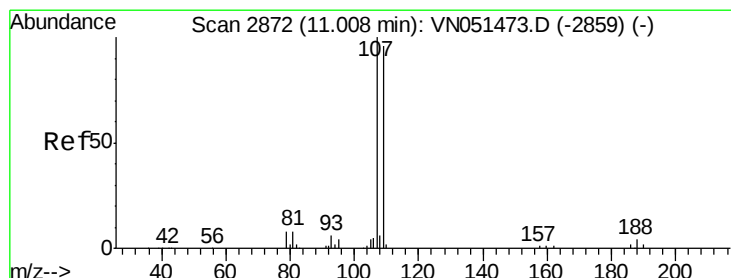


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



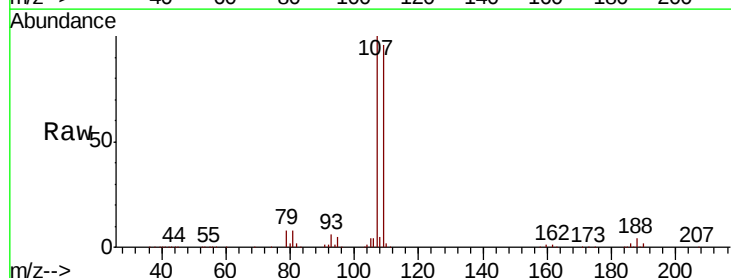
MMDadoda

10/1/2018 11:21:27 AM

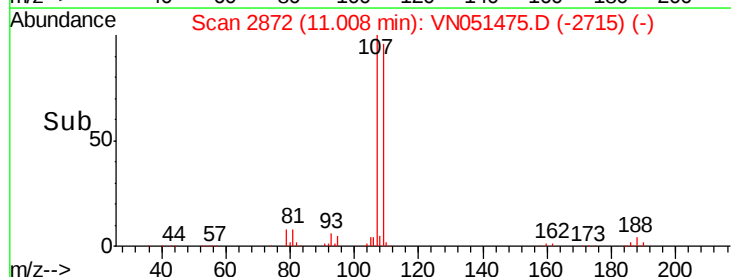
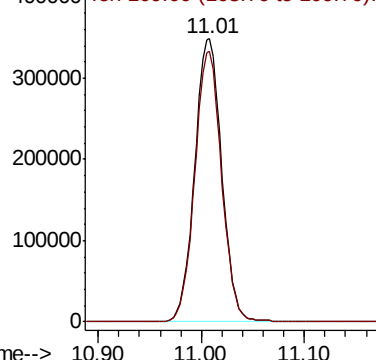


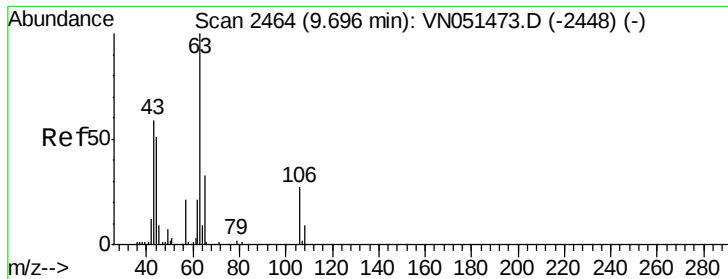
#54
 1,2-Dibromoethane
 Concen: 122.095 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.4	116.0



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V



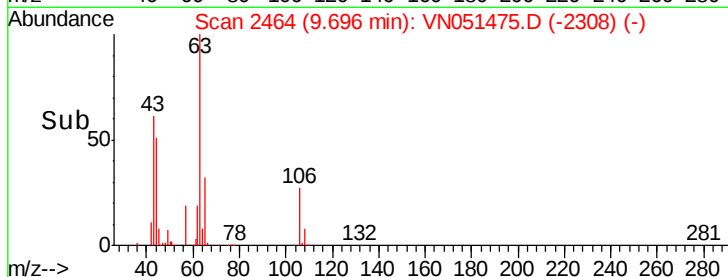
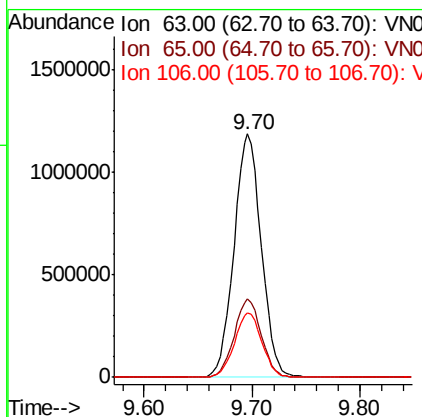
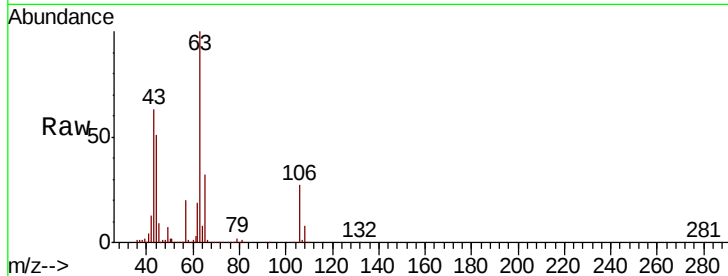


#55
2-Chloroethyl vinyl ether
Concen: 664.372 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

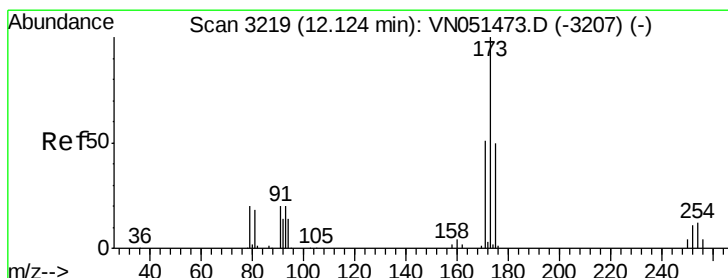
Tot Ion: 63 Resp: 2094805
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.0
106 26.7 21.2 31.8

Manual Integrations
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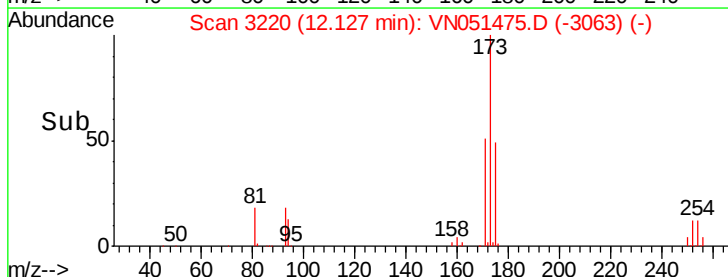
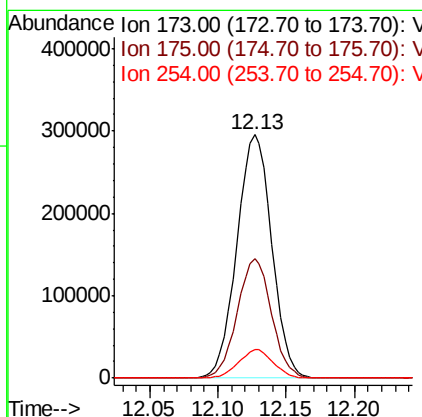
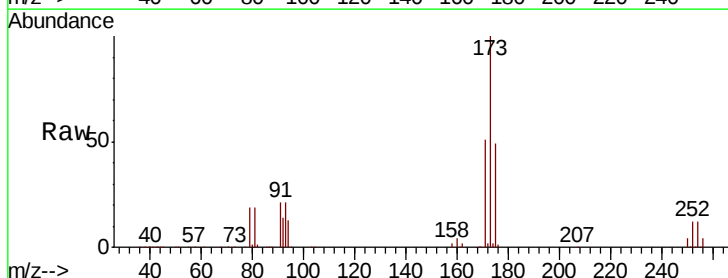
MMDadoda

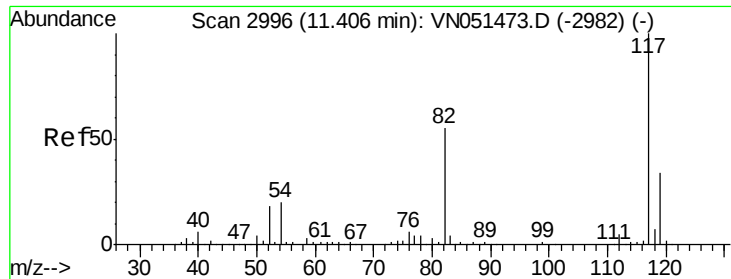
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#56
Bromoform
Concen: 125.452 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion: 173 Resp: 524895
Ion Ratio Lower Upper
173 100
175 48.0 35.8 53.8
254 11.7 8.6 13.0



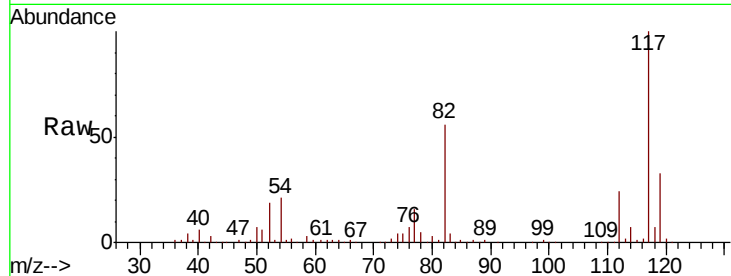


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.1	66.1
119	32.3	25.8	38.8

Manual Integrations
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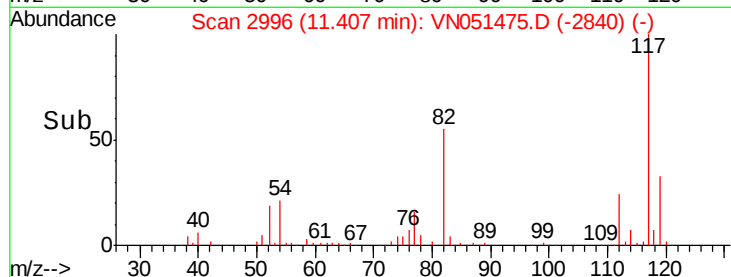
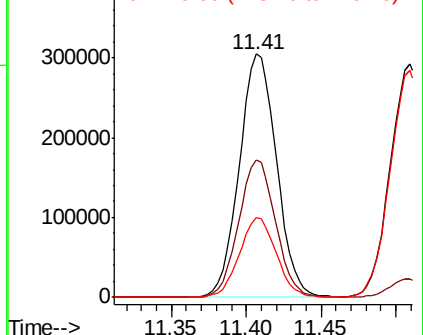


Abundance

Ion 117.00 (116.70 to 117.70): V

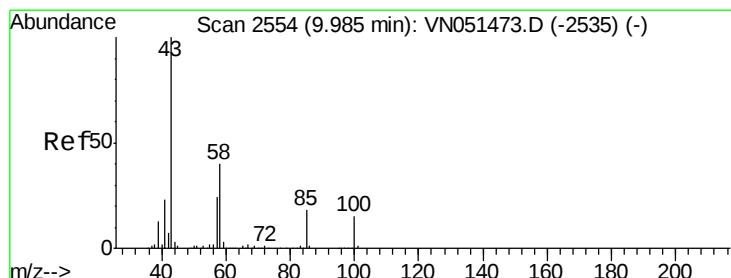
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



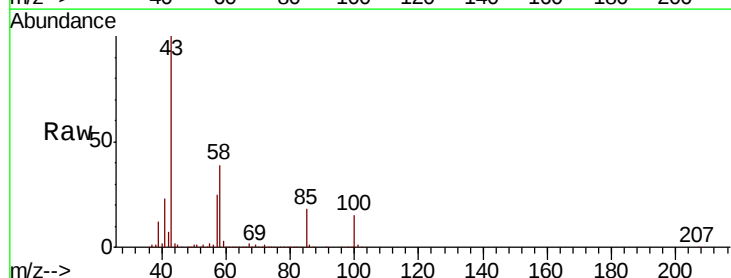
MMDadoda

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#58
4-Methyl-2-Pentanone
Concen: 626.747 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	29.3	43.9
85	17.6	12.6	18.8

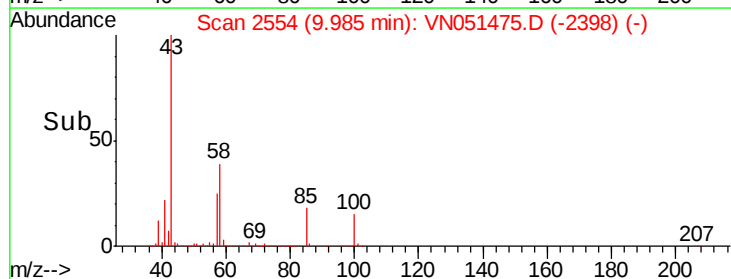
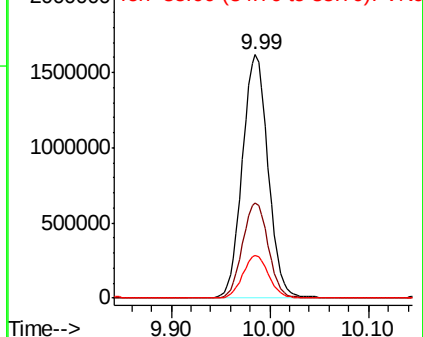


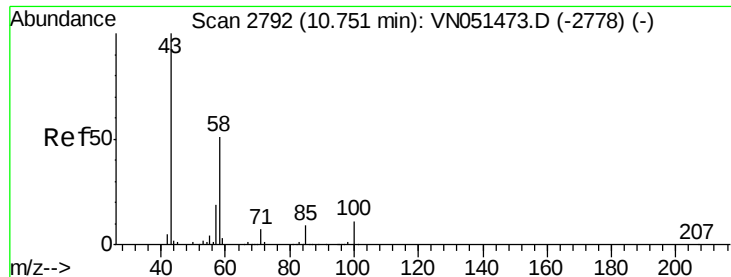
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V



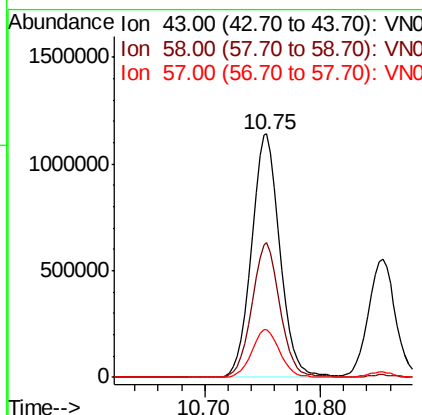
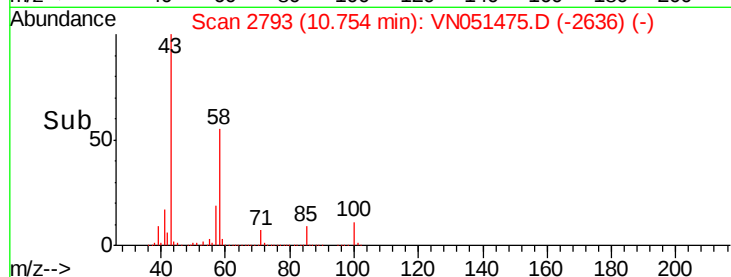
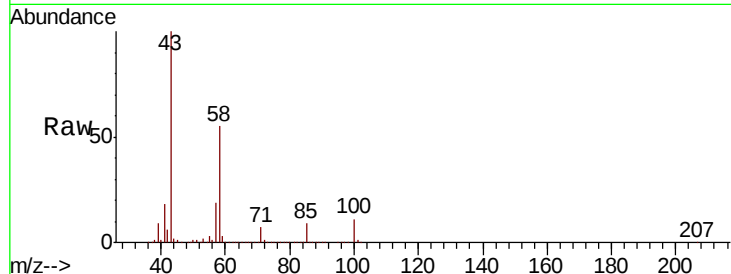


#59
2-Hexanone
Concen: 636.038 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

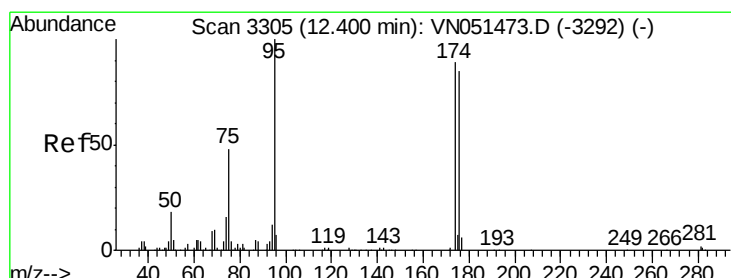
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	41.3	61.9
57	19.3	13.4	20.0

Manual Integrations
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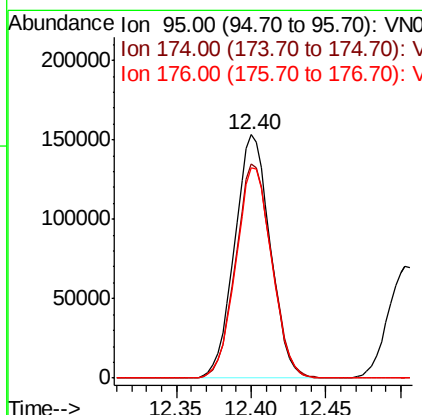
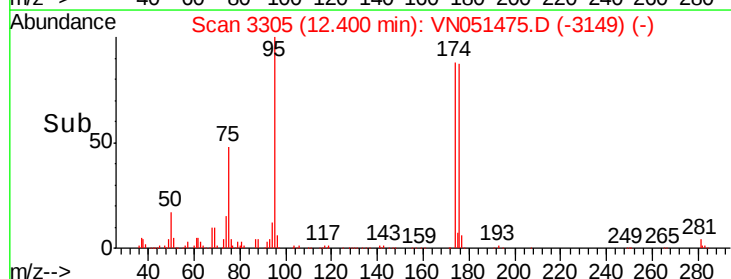
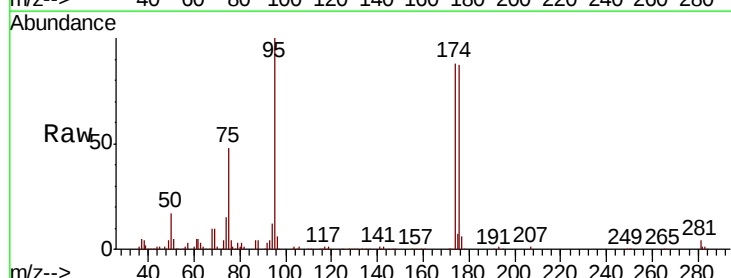
MMDadoda

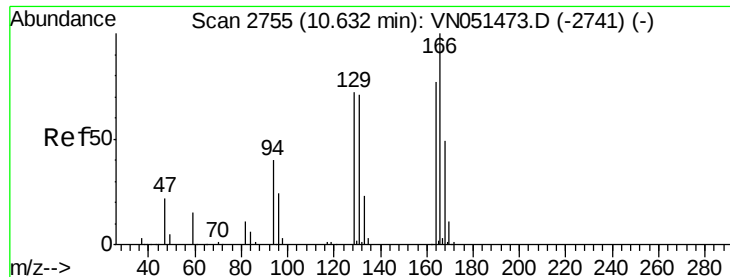
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#60
4-Bromofluorobenzene
Concen: 32.700 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	73.5	110.3
176	87.2	70.2	105.2



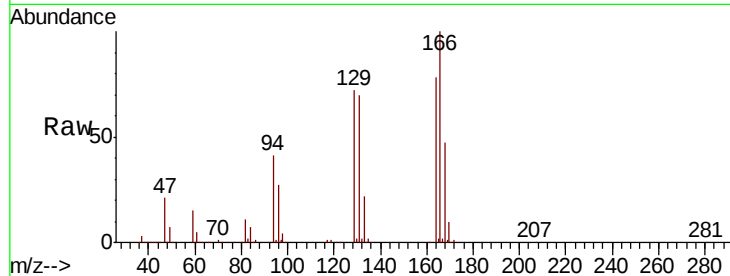


#61
Tetrachloroethene
Concen: 115.576 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

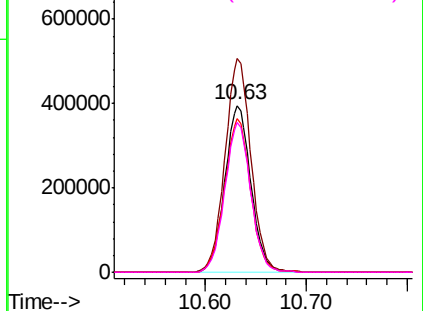
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	98.7	148.1
129	92.4	69.6	104.4
131	89.6	72.4	108.6

Manual Integrations
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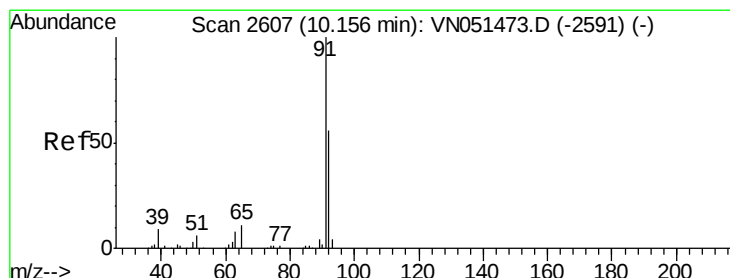
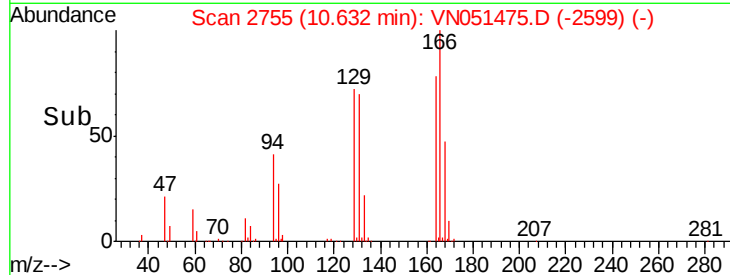


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



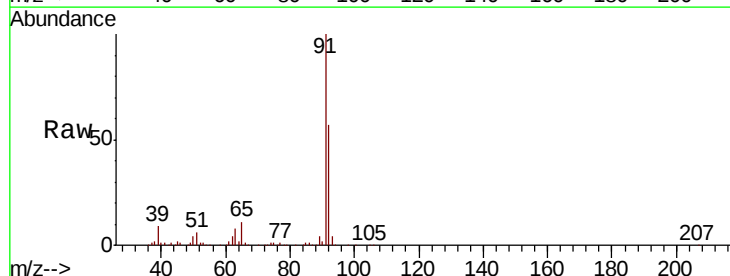
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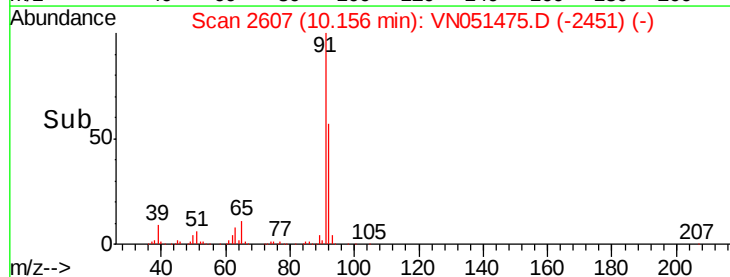
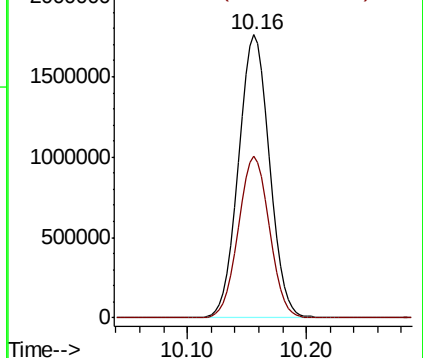


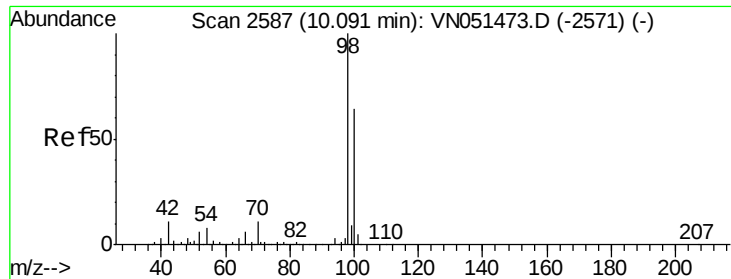
#62
Toluene
Concen: 117.368 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	44.6	66.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.259 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

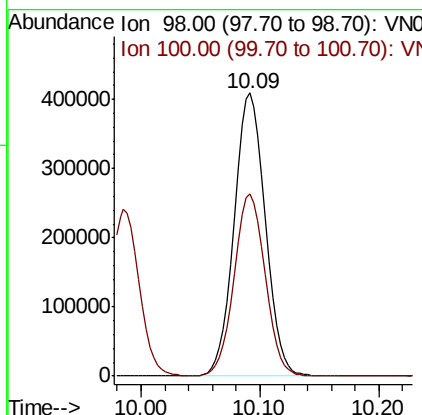
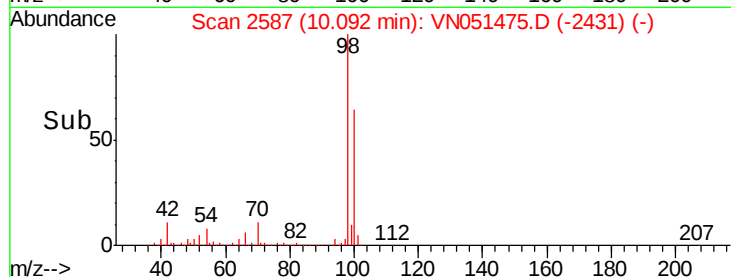
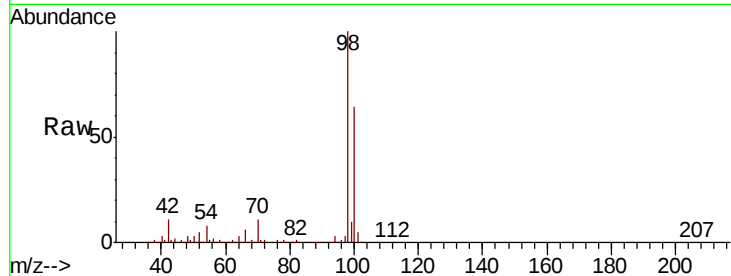
Tot Ion: 98 Resp: 742961

Ion Ratio Lower Upper

98 100

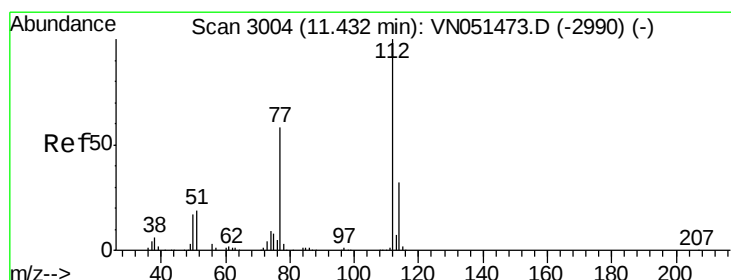
100 64.3 50.8 76.2

Manual Integrations
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#64

Chlorobenzene

Concen: 119.875 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051475.D

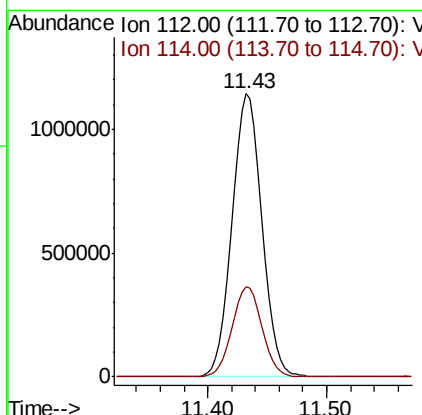
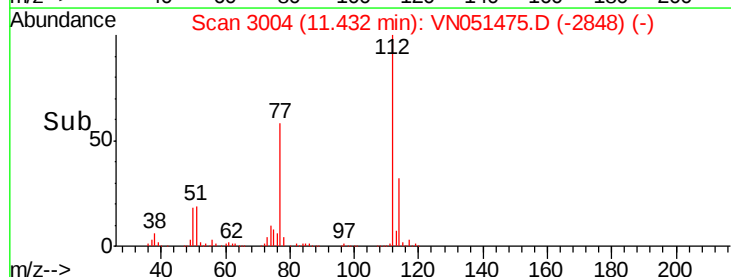
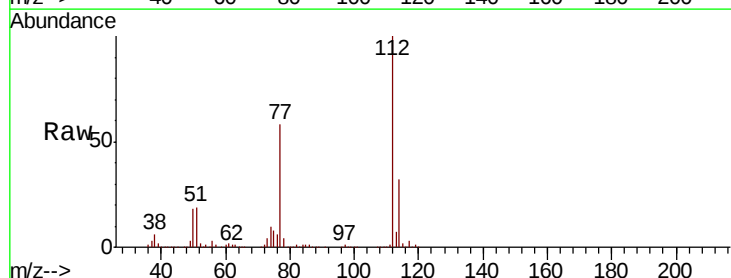
Acq: 25 Sep 2018 10:24

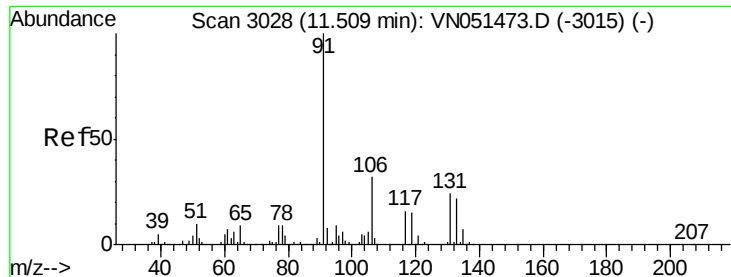
Tgt Ion: 112 Resp: 1992641

Ion Ratio Lower Upper

112 100

114 31.9 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 117.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

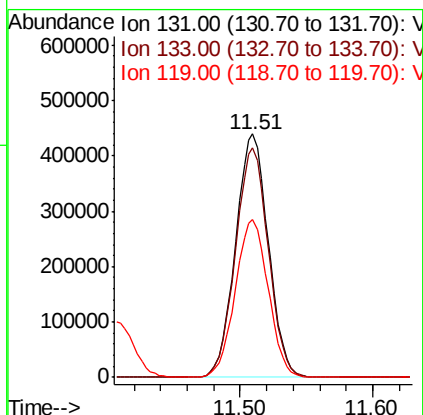
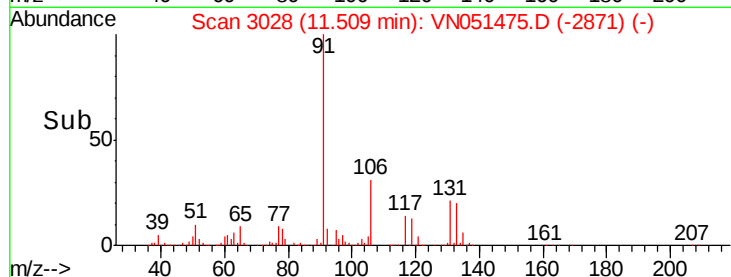
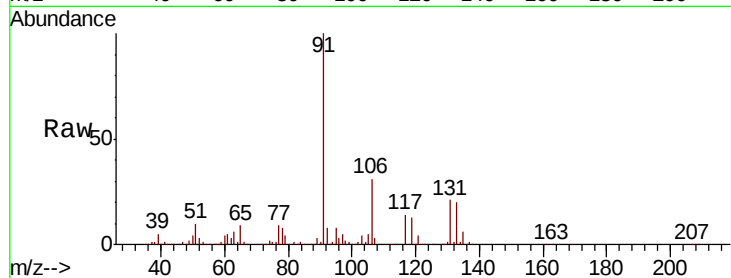
MSVOA_N

ClientSampleId :

VSTDIC100

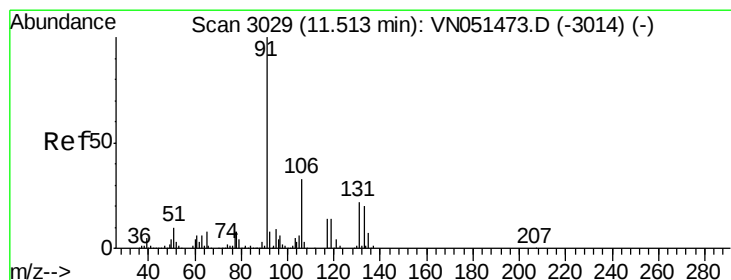
Tot Ion:	131	Resp:	753586
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	190.4
119	65.3	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 125.298 ug/l

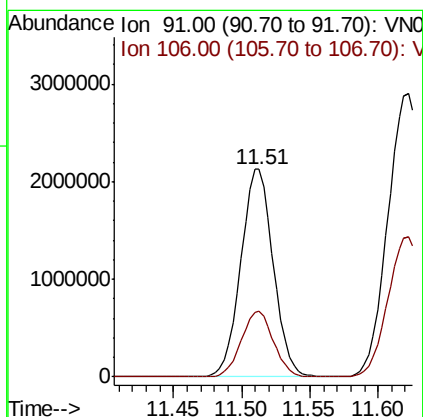
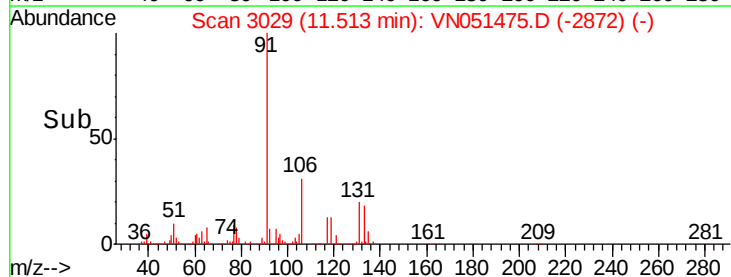
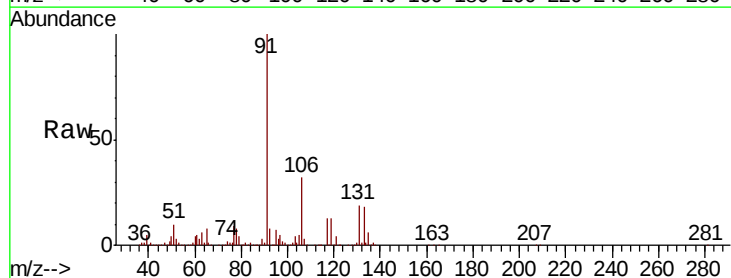
RT: 11.51 min Scan# 3029

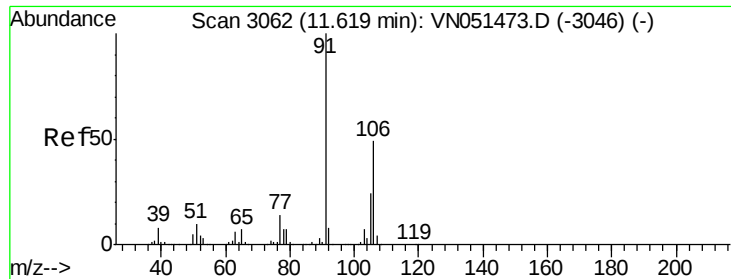
Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Tgt Ion:	91	Resp:	3504593
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.9	38.9



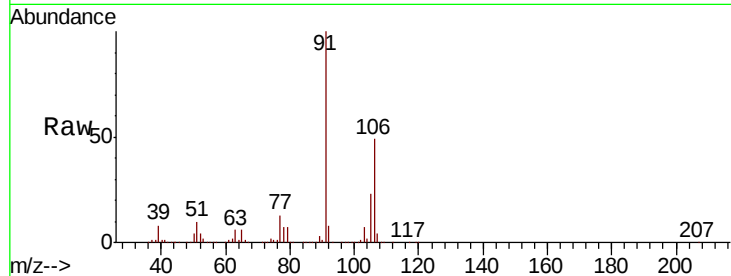


#67
m/p-Xvlenes
Concen: 253.226 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

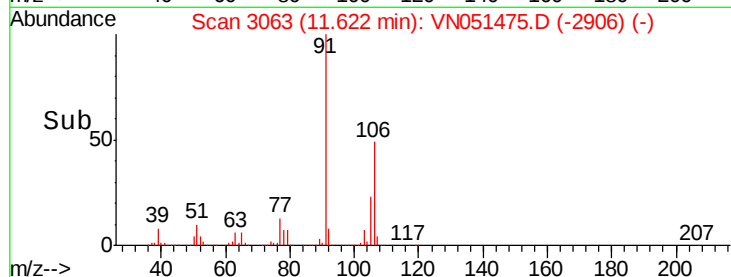
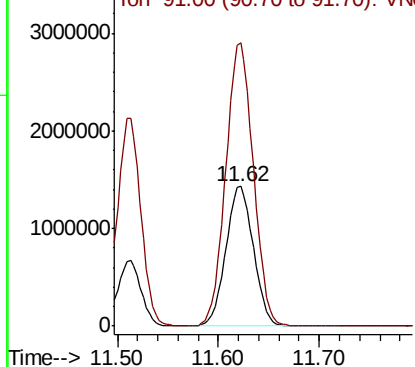
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2726675
Ion Ratio Lower Upper
106 100
91 202.7 158.8 238.2

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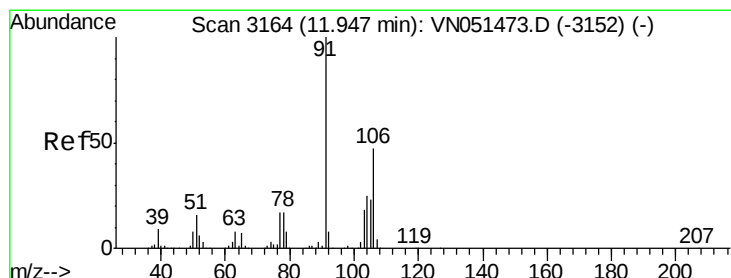


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



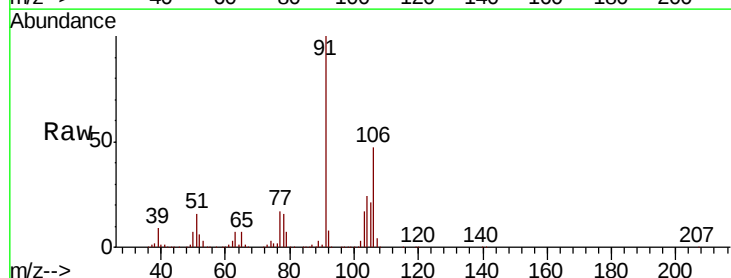
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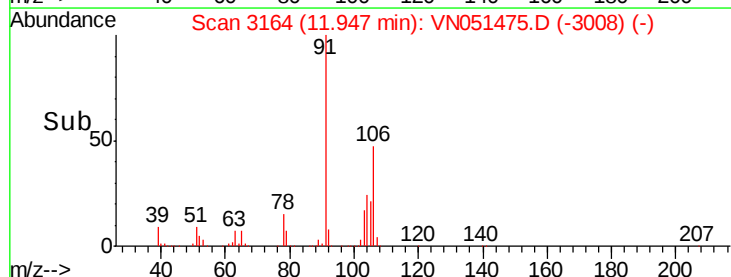
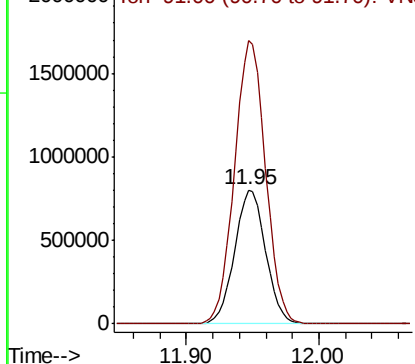


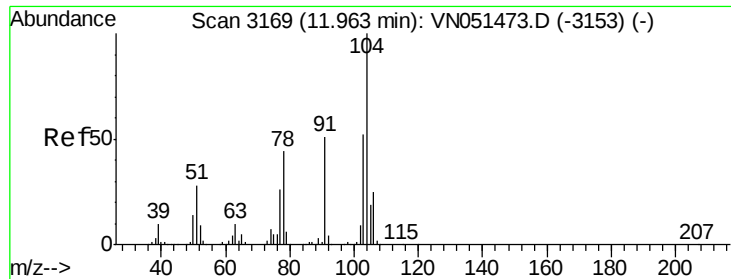
#68
o-Xylene
Concen: 126.657 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion:106 Resp: 1298939
Ion Ratio Lower Upper
106 100
91 212.0 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



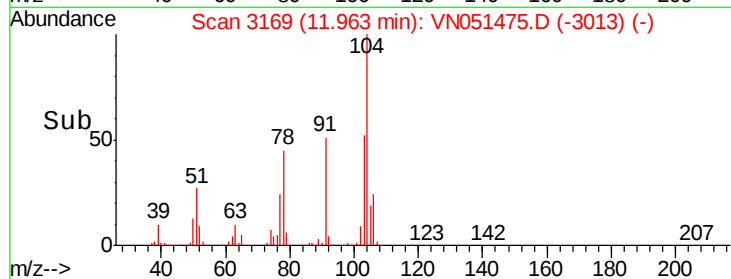
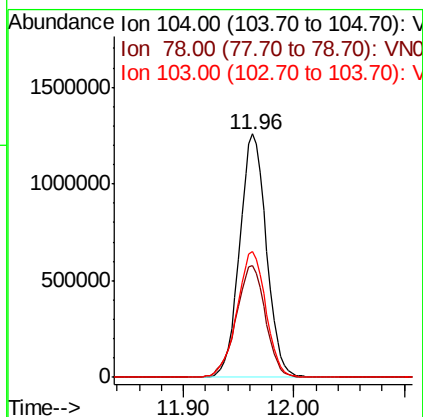
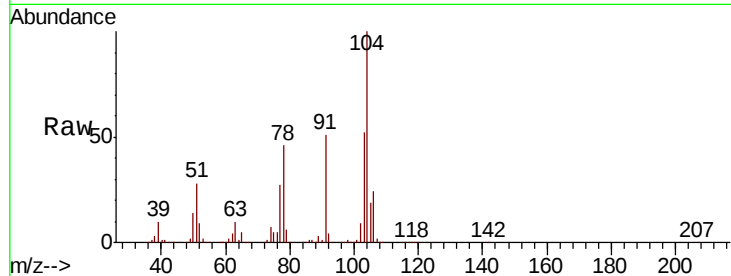


#69
Stvrene
Concen: 129.991 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

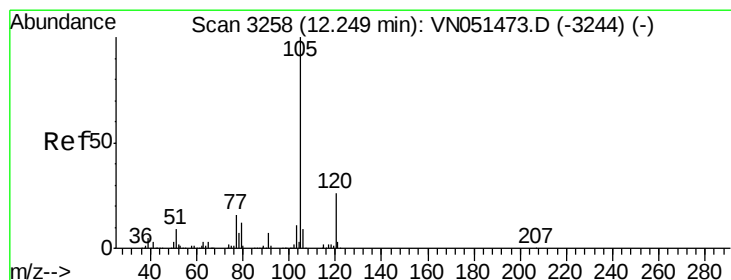
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	60.8
103	56.0	44.0	66.0

Manual Integrations
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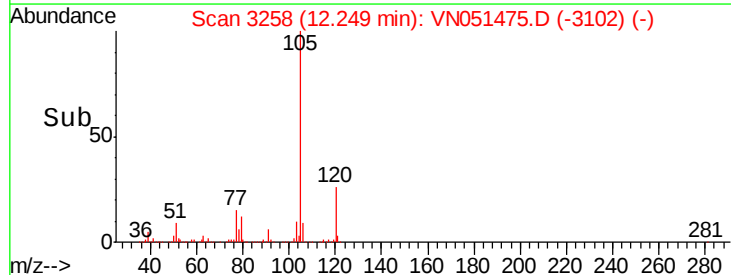
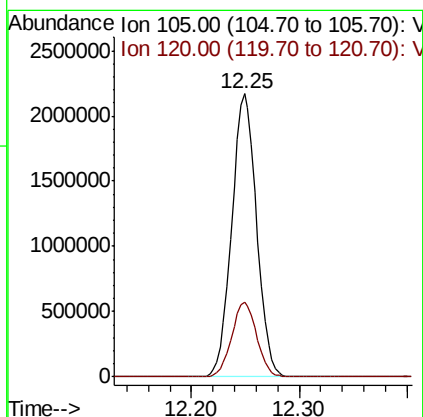
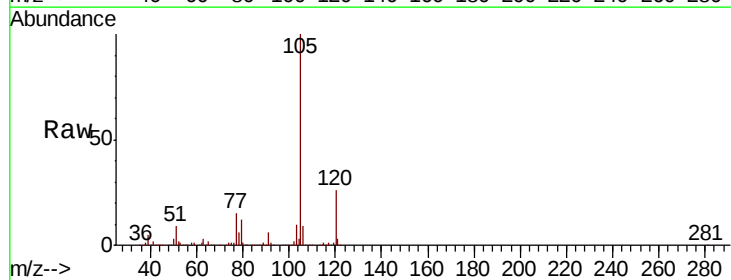
MMDadoda

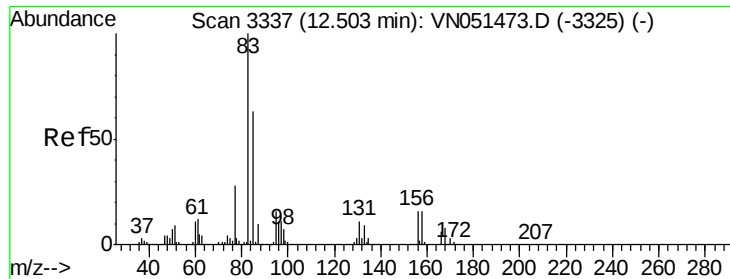
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#70
Isopropylbenzene
Concen: 126.807 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.4



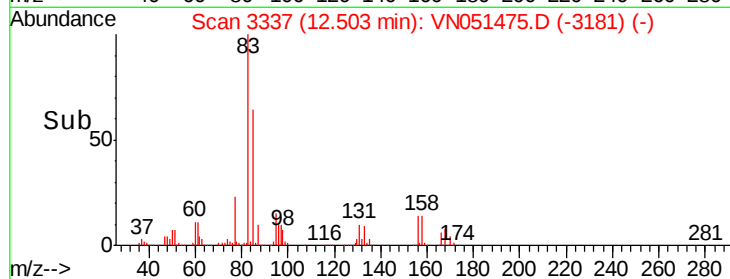
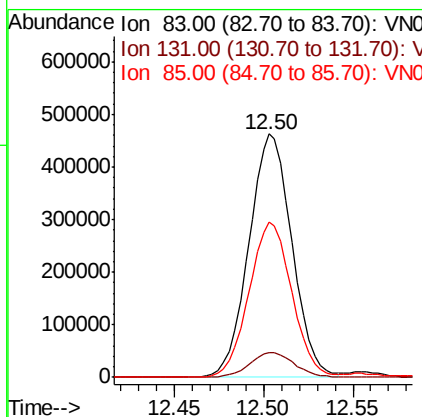
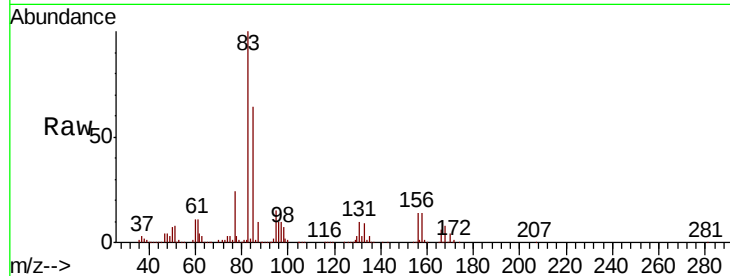


#71
 1,1,2,2-Tetrachloroethane
 Concen: 120.731 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

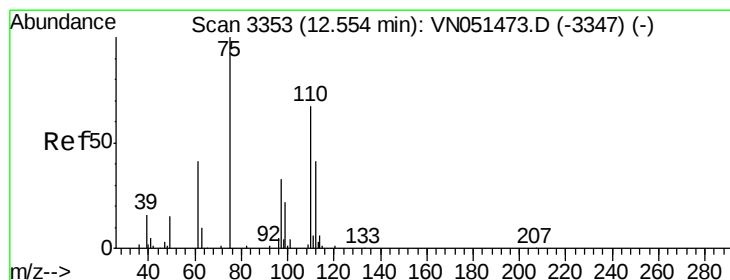
Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	63.6	30.6	91.8

Manual Integrations
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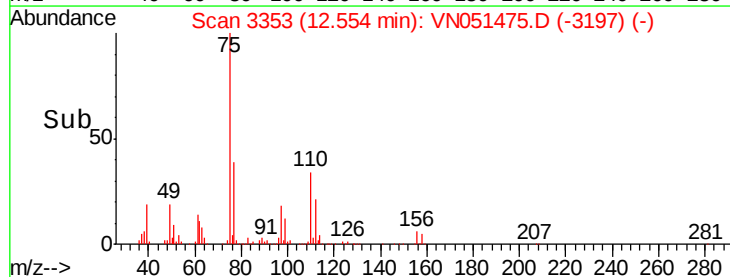
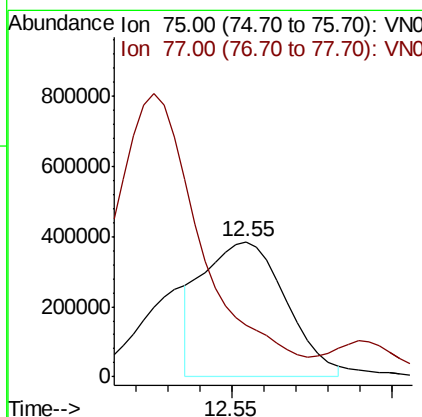
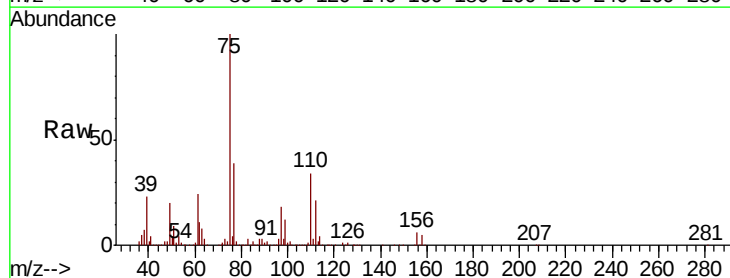
MMDadoda

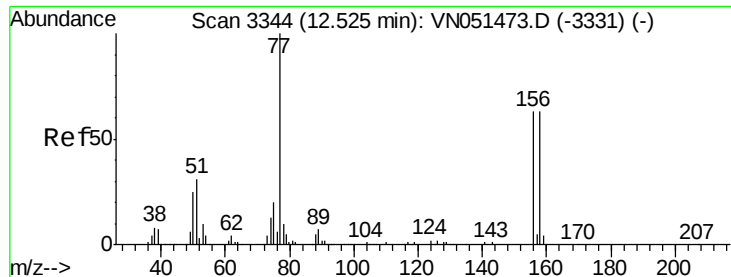
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#72
 1,2,3-Trichloropropane
 Concen: 136.496 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	223.9	0.0	400.0





#73

Bromobenzene

Concen: 124.219 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

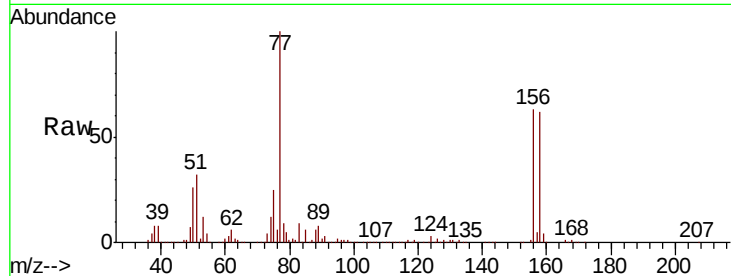
MSVOA_N

ClientSampleId :

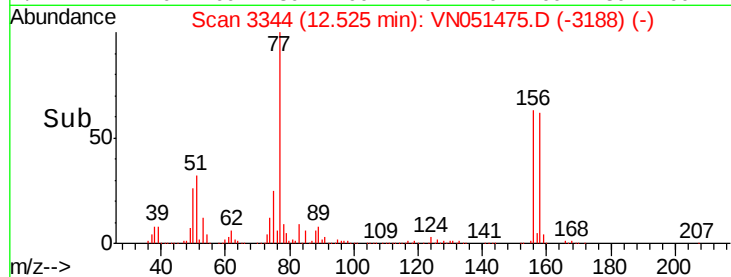
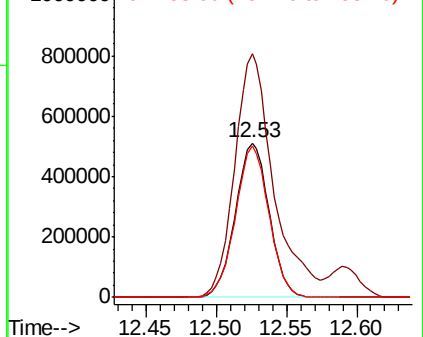
VSTDIC100

Tot Ion:	156	Resp:	859235
Ion Ratio	Lower	Upper	
156	100		
77	181.2	0.0	377.4
158	96.9	0.0	203.0

Manual Integrations
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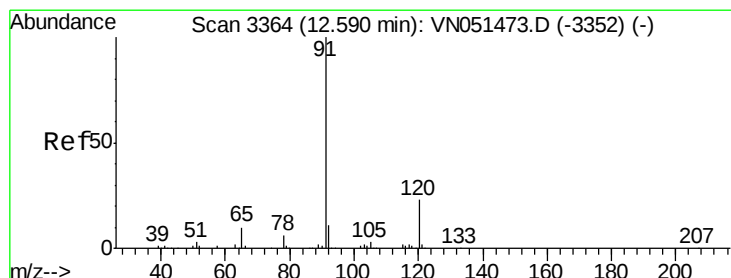


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



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#74

n-propylbenzene

Concen: 127.435 ug/l

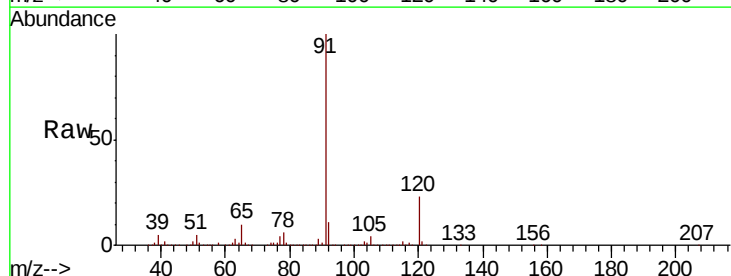
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

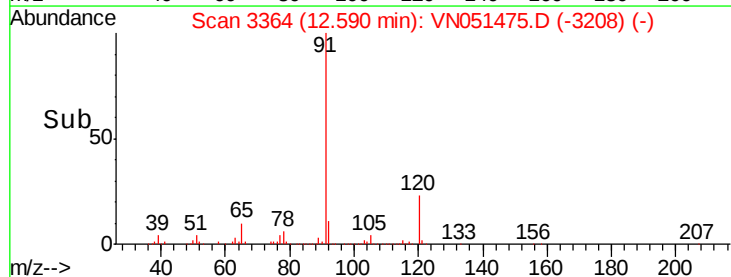
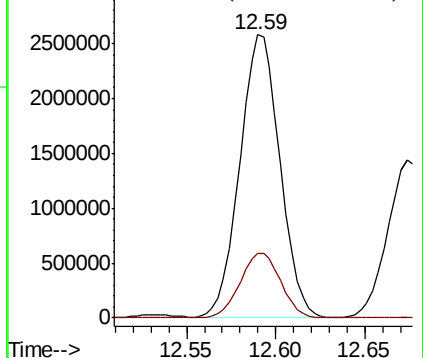
Lab File: VN051475.D

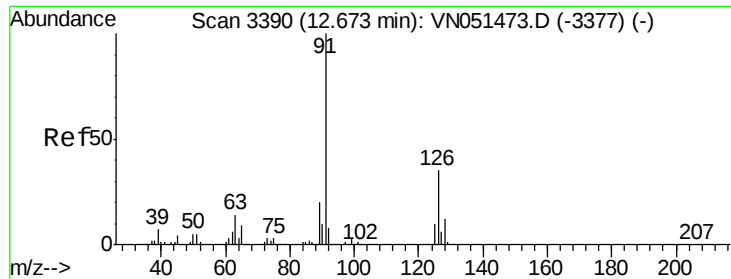
Acq: 25 Sep 2018 10:24

Tgt Ion:	91	Resp:	4066264
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: 124.769 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051475.D

Acq: 25 Sep 2018 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

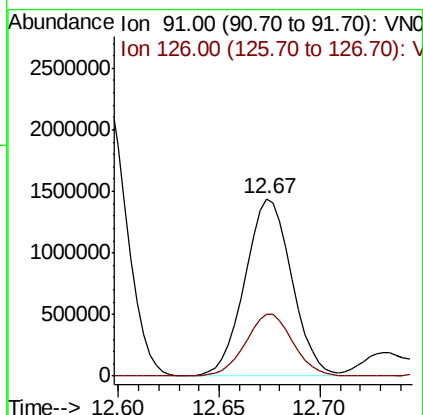
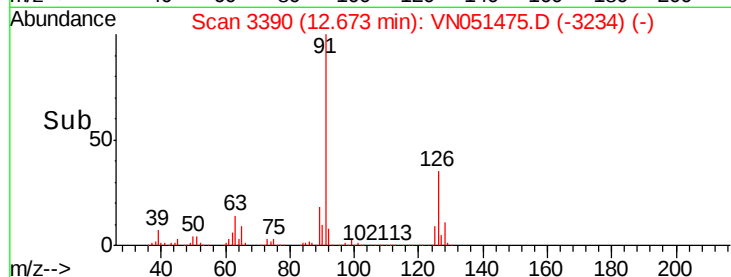
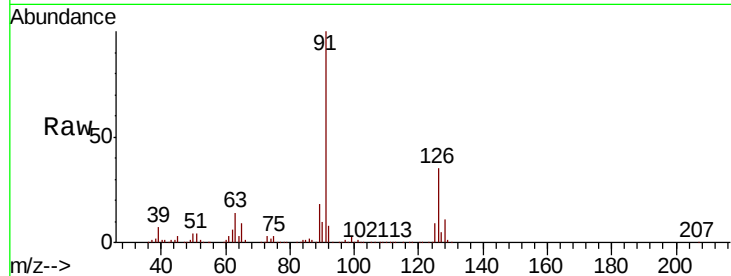
Tot Ion: 91 Resp: 2349471

Ion Ratio Lower Upper

91 100

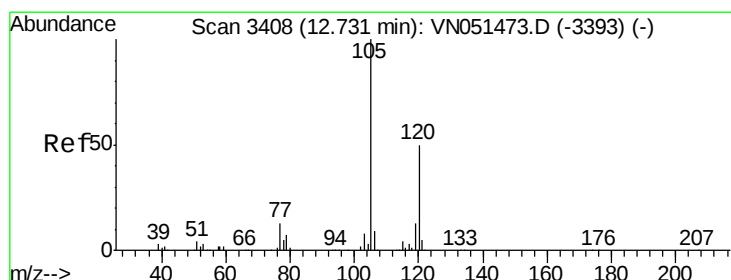
126 35.2 0.0 67.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 128.927 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051475.D

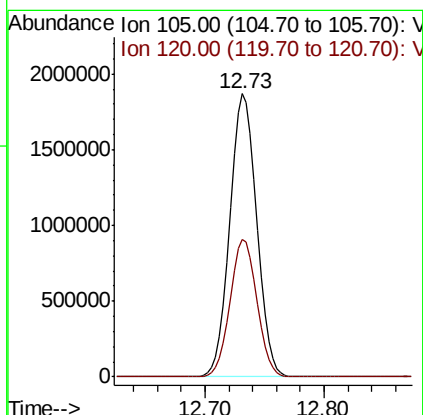
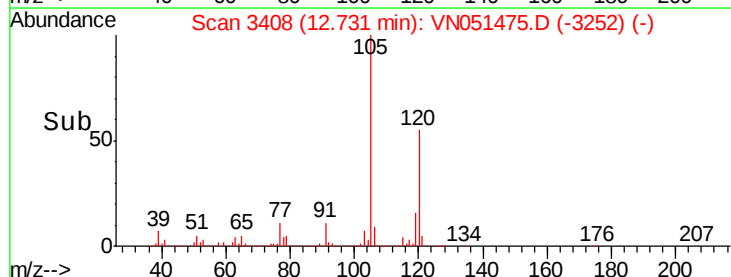
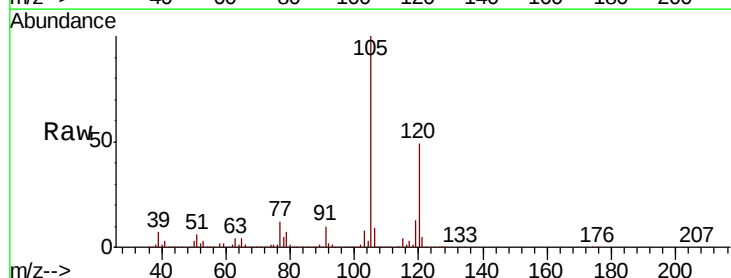
Acq: 25 Sep 2018 10:24

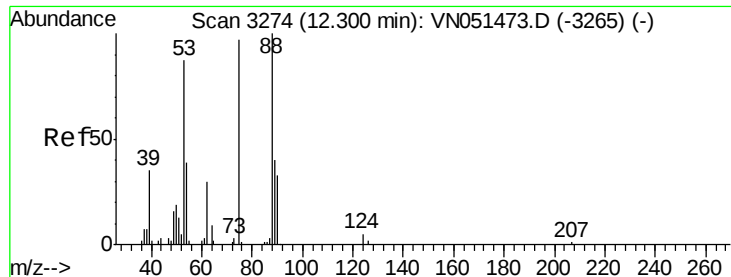
Tgt Ion: 105 Resp: 2919847

Ion Ratio Lower Upper

105 100

120 48.6 0.0 98.2



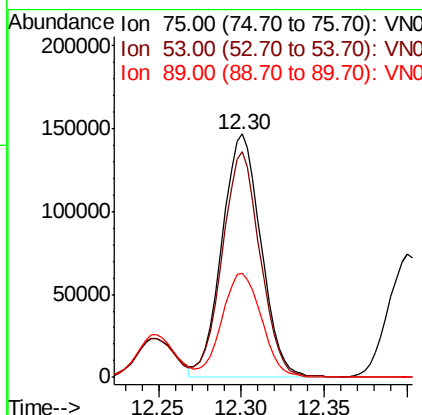
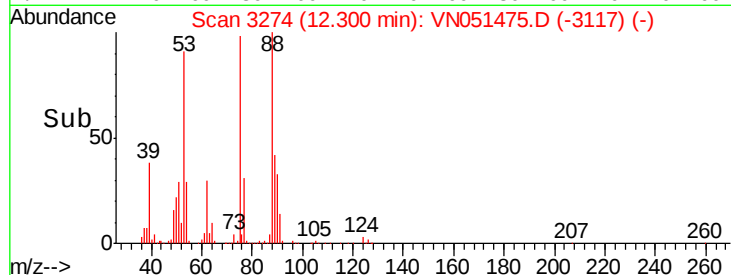
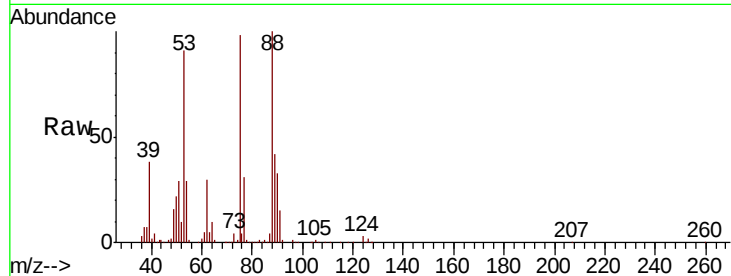


#77
t-1,4-Dichloro-2-butene
Concen: 136.432 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

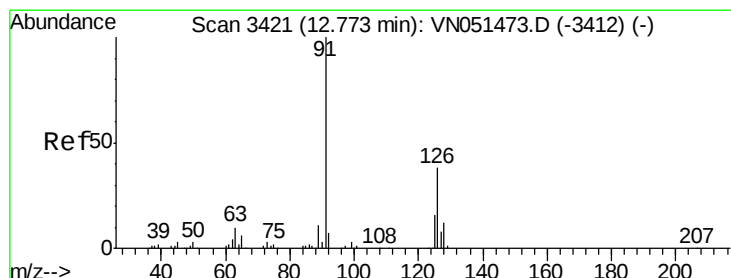
Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	46.3	138.9
89	42.9	24.6	73.8

Manual Integrations
APPROVED



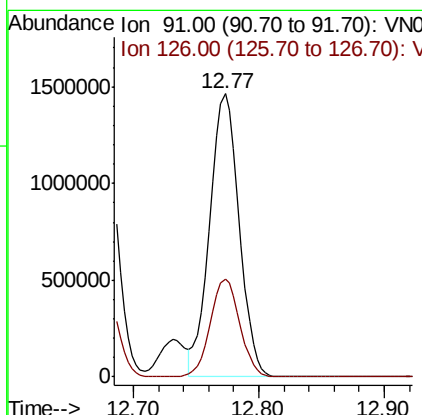
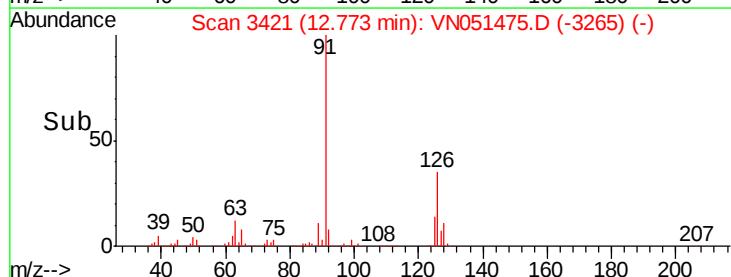
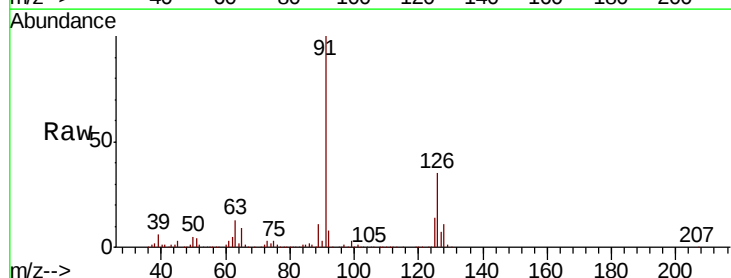
MMDadoda

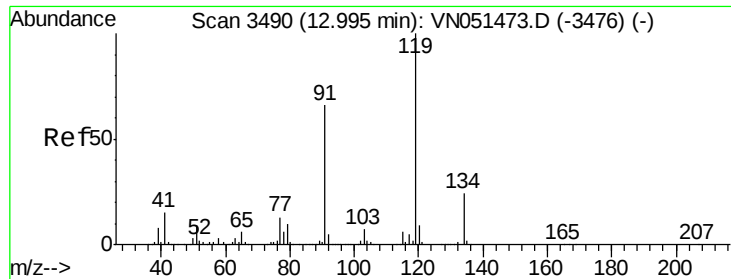
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#78
4-Chlorotoluene
Concen: 127.609 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	65.2



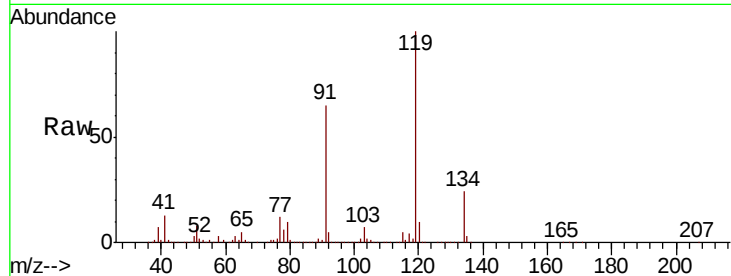


#79
tert-butylbenzene
Concen: 126.884 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	0.0	131.6
134	24.0	0.0	46.2

Manual Integrations
APPROVED

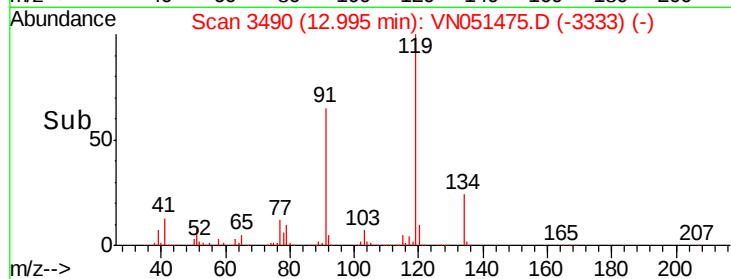
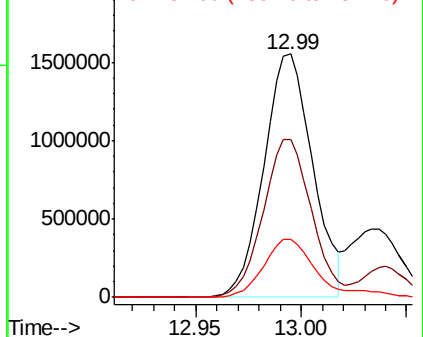


Abundance

Ion 119.00 (118.70 to 119.70): V

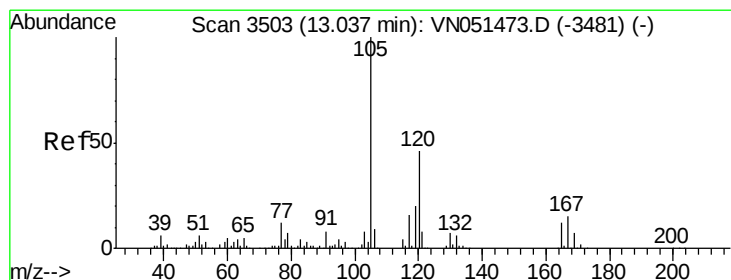
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



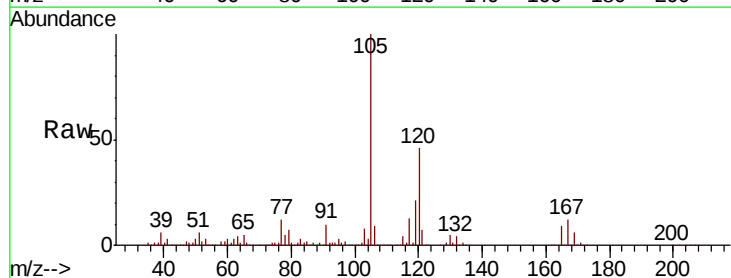
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#80
1,2,4-Trimethylbenzene
Concen: 130.393 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

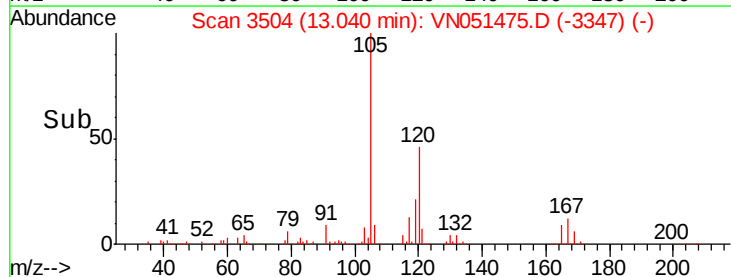
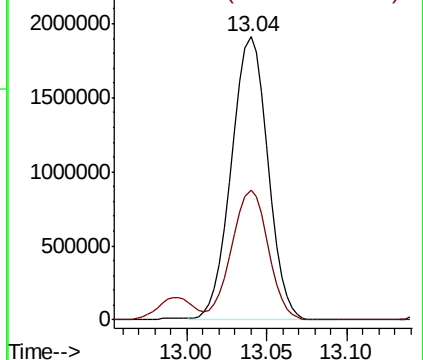
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	0.0	89.6

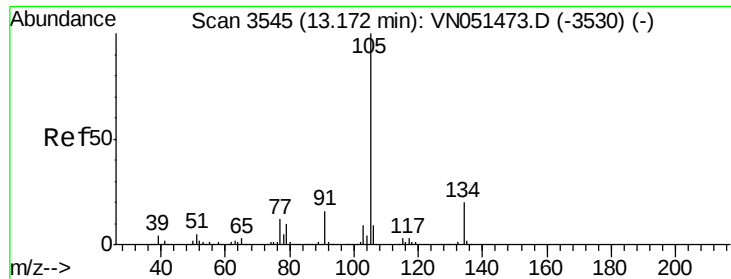


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



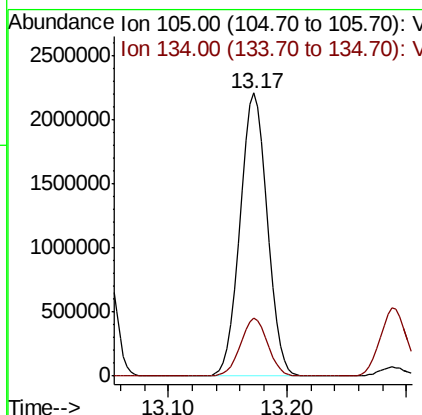
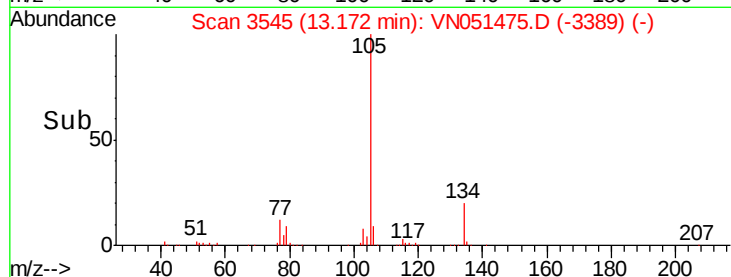
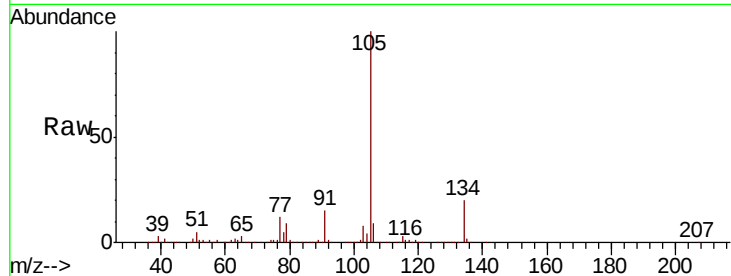


#81
 sec-Butylbenzene
 Concen: 128.923 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

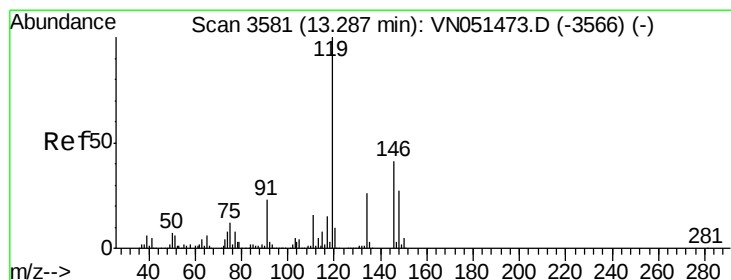
Tot Ion:105 Resp: 3496985
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.4

Manual Integrations
 APPROVED



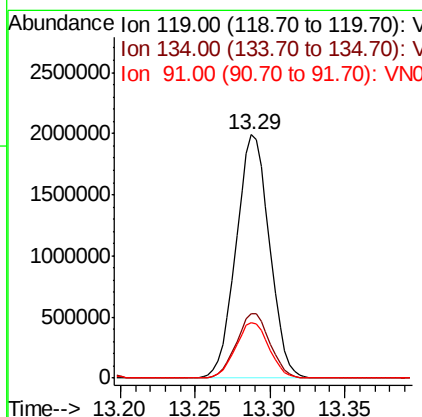
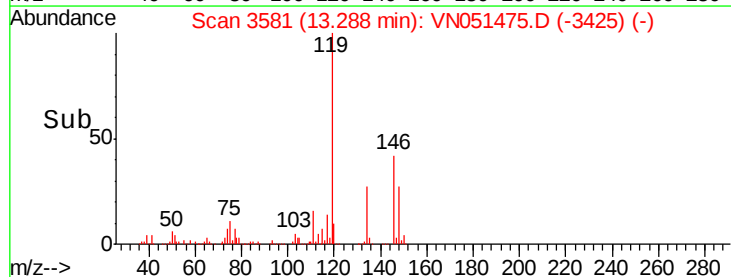
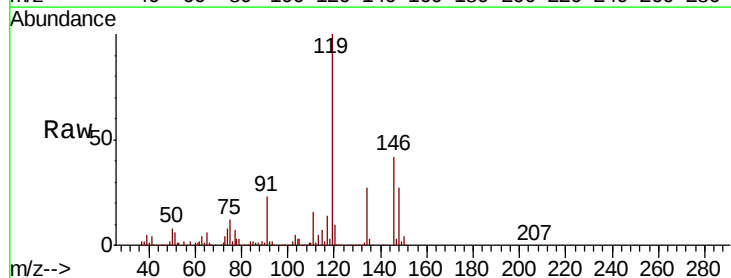
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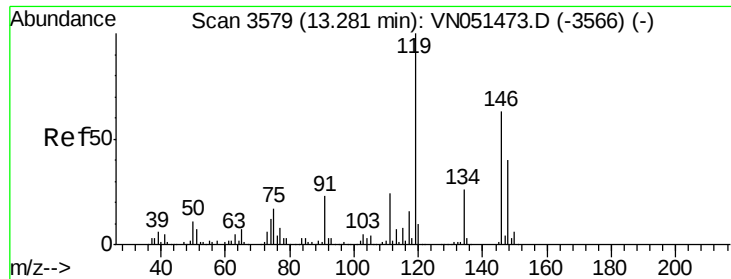
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#82
 p-Isopropyltoluene
 Concen: 131.840 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion:119 Resp: 3087095
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.6
 91 22.9 0.0 52.0



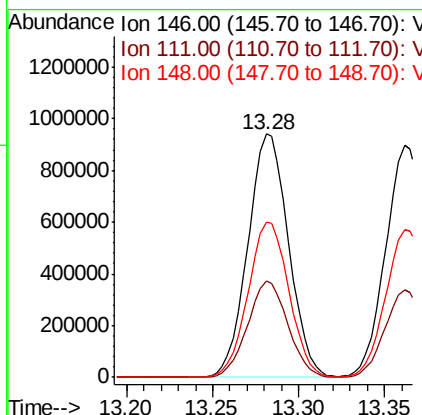
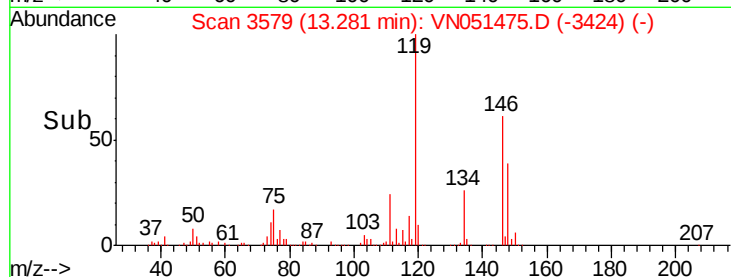
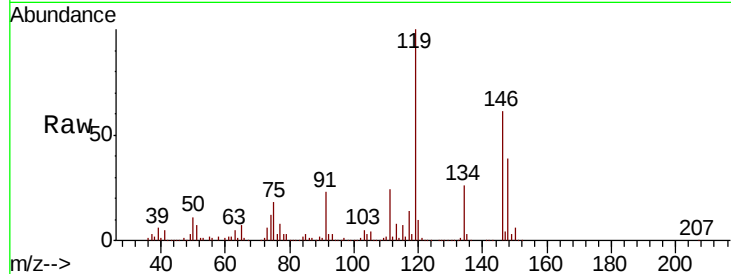


#83
 1,3-Dichlorobenzene
 Concen: 126.999 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

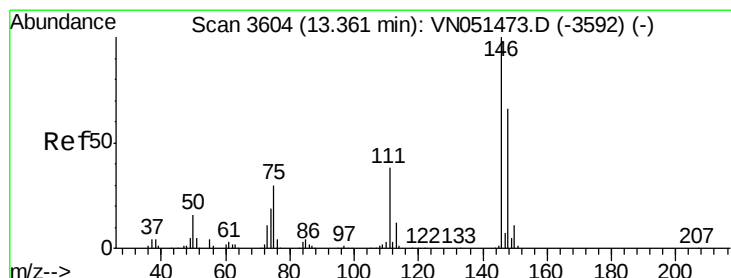
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.3
148	64.1	31.3	93.8

Manual Integrations
 APPROVED



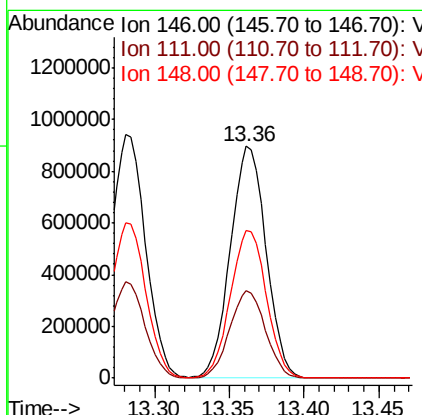
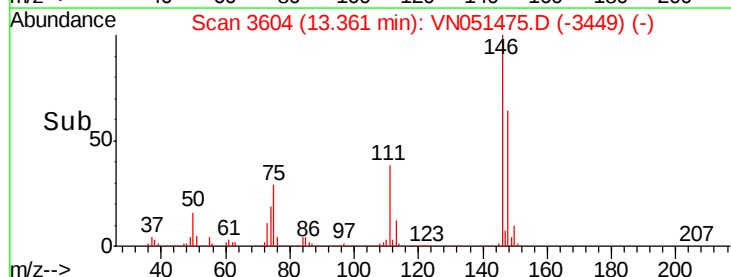
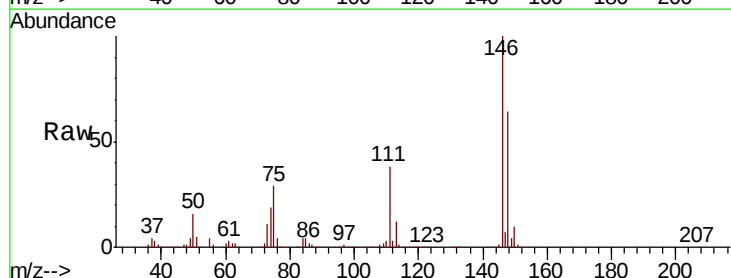
MMDadoda

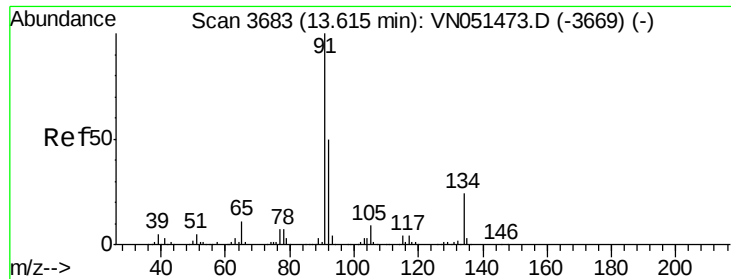
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#84
 1,4-Dichlorobenzene
 Concen: 130.851 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	17.4	52.2
148	64.2	32.8	98.3



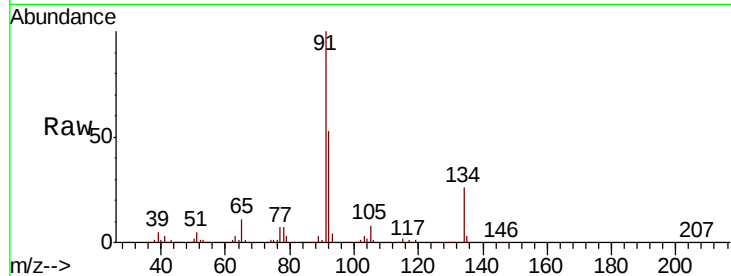


#85
n-Butylbenzene
Concen: 138.628 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

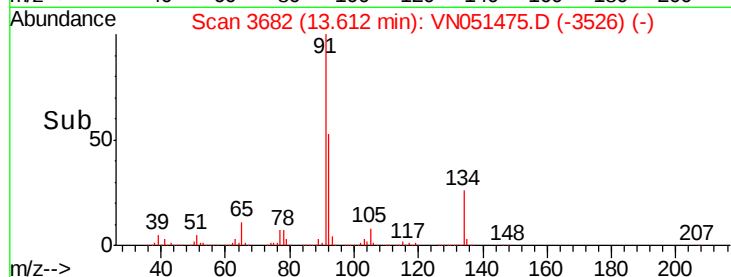
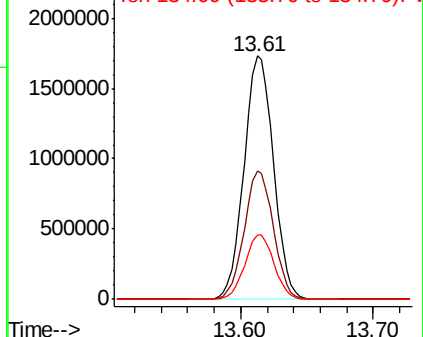
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	97.4
134	26.3	0.0	49.6

Manual Integrations
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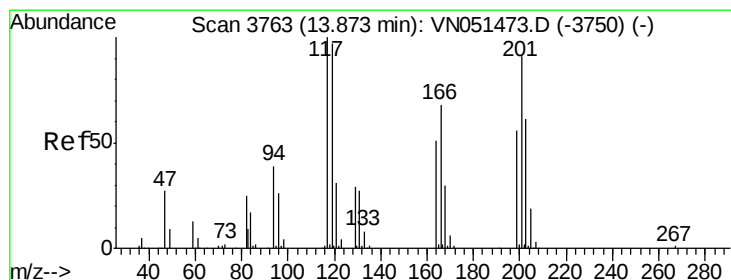


Abundance Ion 91.00 (90.70 to 91.70): VN051475.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN051475.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN051475.D (-3669) (-)



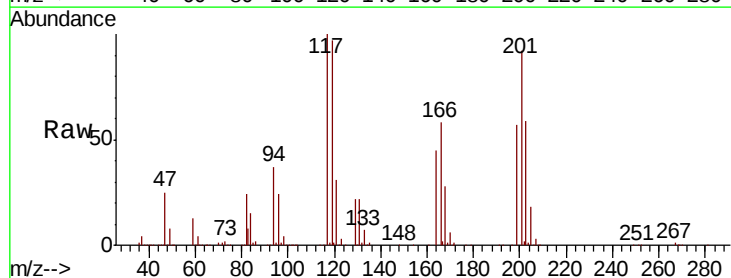
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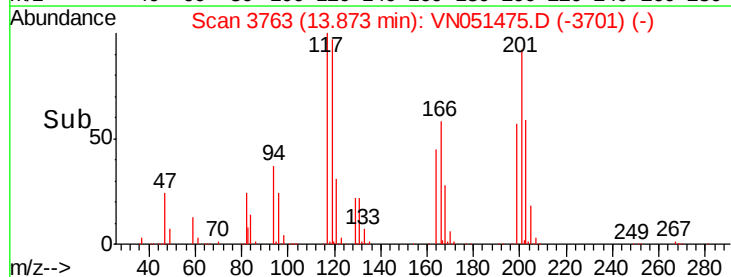
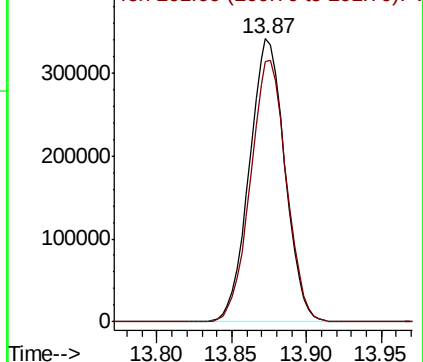


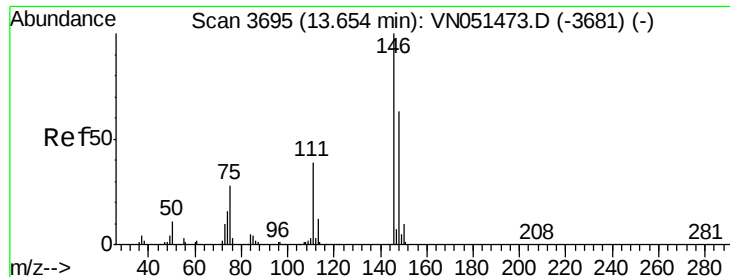
#86
Hexachloroethane
Concen: 120.045 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	47.8	143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051475.D (-3750) (-)
Ion 201.00 (200.70 to 201.70): VN051475.D (-3750) (-)



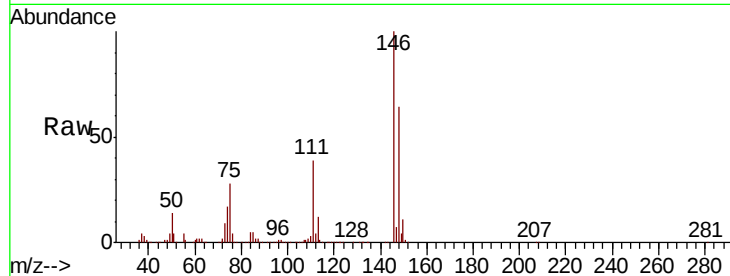


#87
 1,2-Dichlorobenzene
 Concen: 126.877 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	64.2	33.2	99.6

Manual Integrations
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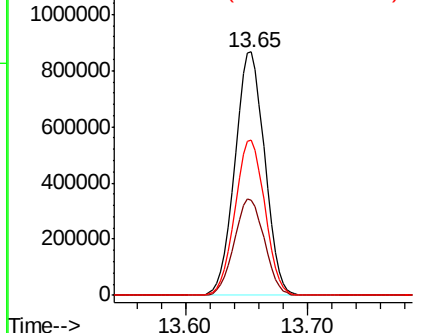


Abundance

Ion 146.00 (145.70 to 146.70): V

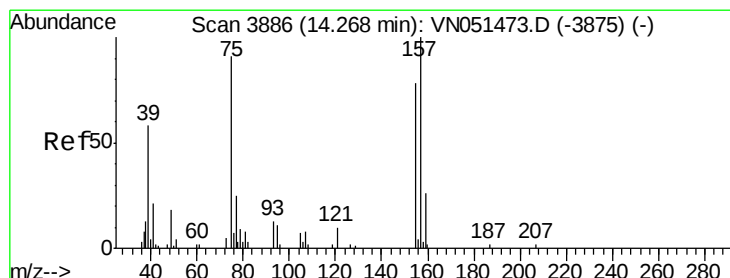
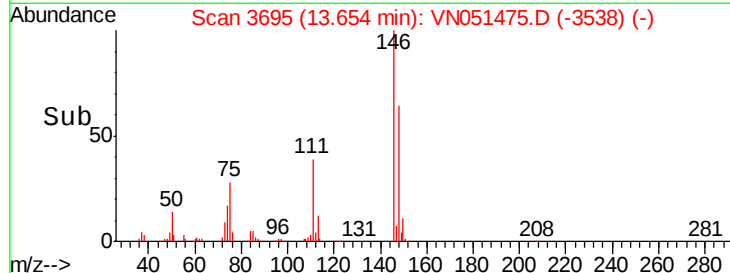
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



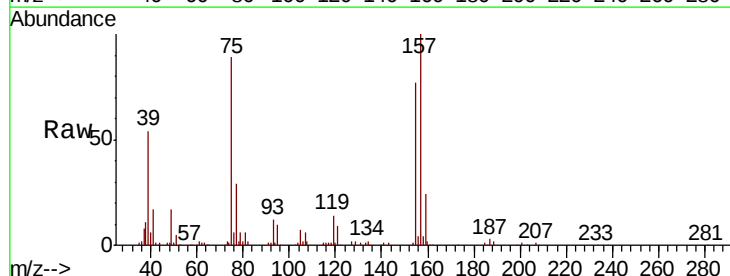
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 123.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	57.0	85.6#
157	114.8	87.4	131.0

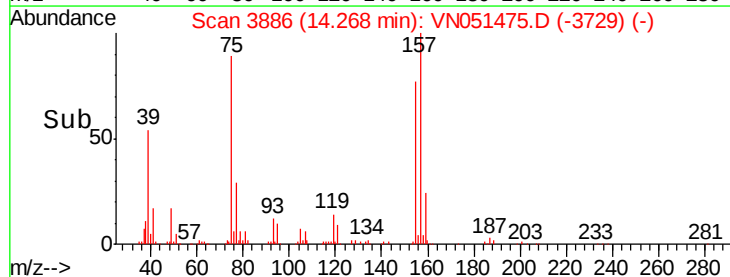
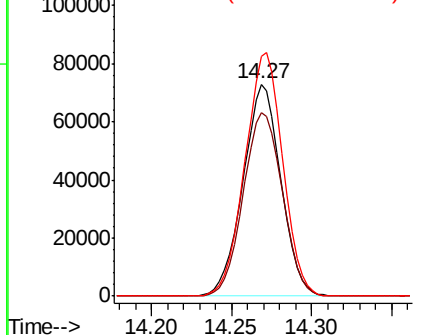


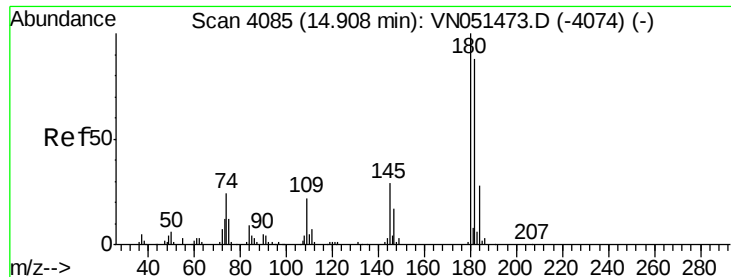
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



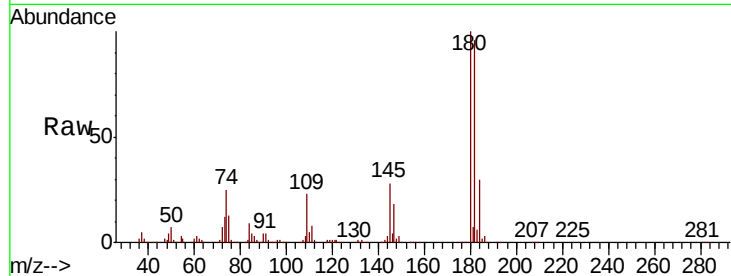


#89
 1,2,4-Trichlorobenzene
 Concen: 147.266 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.7	116.5
145	28.2	23.4	35.2

Manual Integrations
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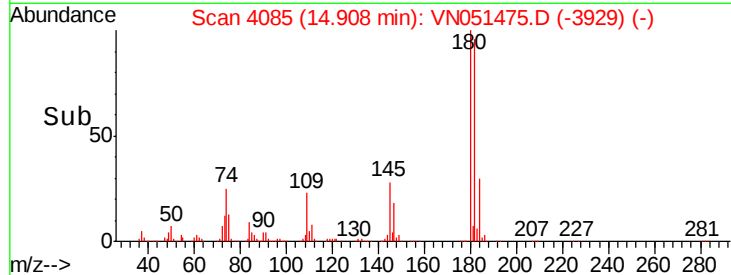
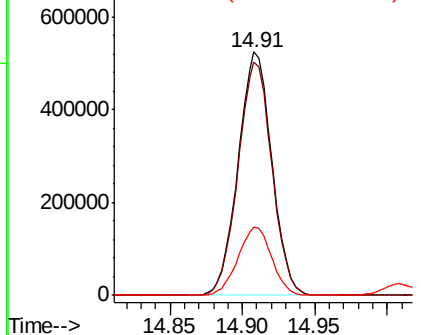


Abundance

Ion 180.00 (179.70 to 180.70): V

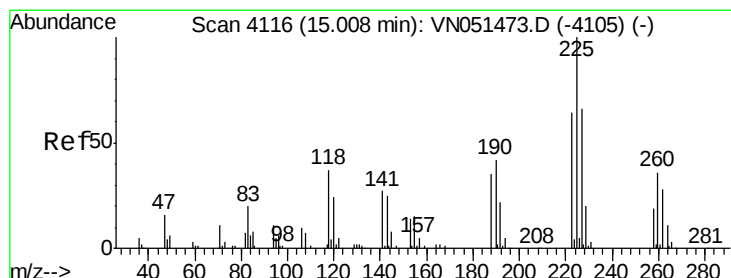
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



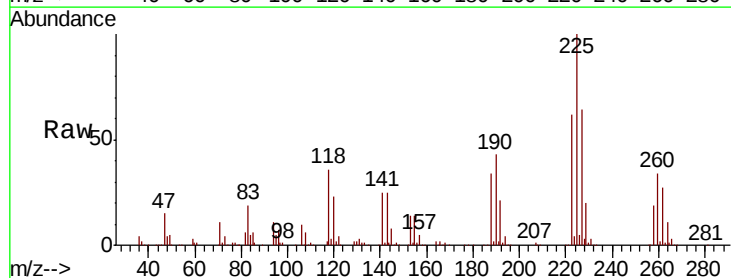
MMDadoda

10/1/2018 11:21:27 AM



#90
 Hexachlorobutadiene
 Concen: 120.827 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051475.D
 Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	117.0
227	63.7	0.0	127.0

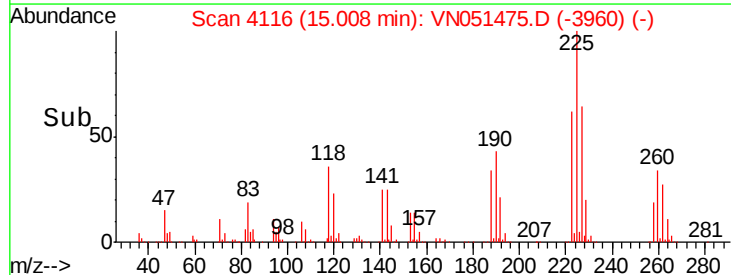
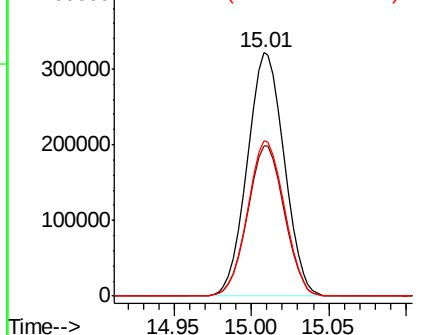


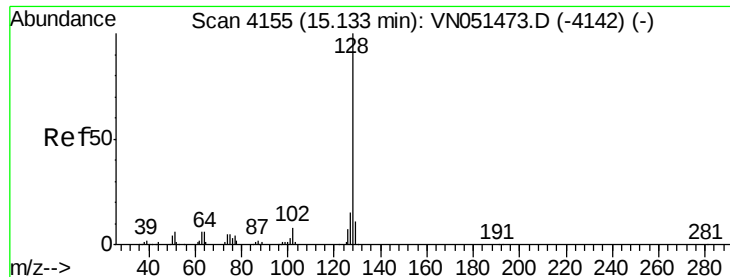
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



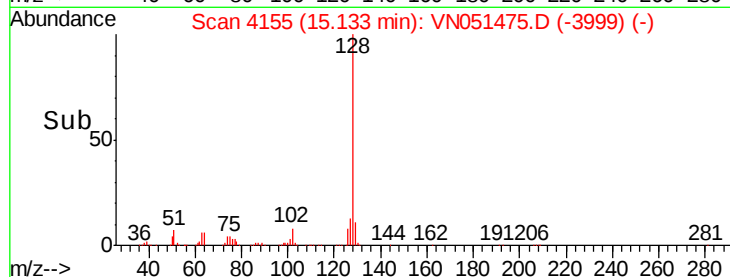
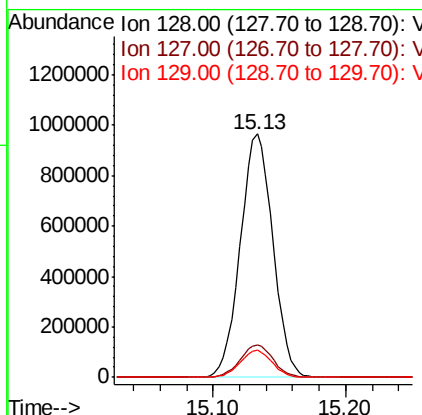
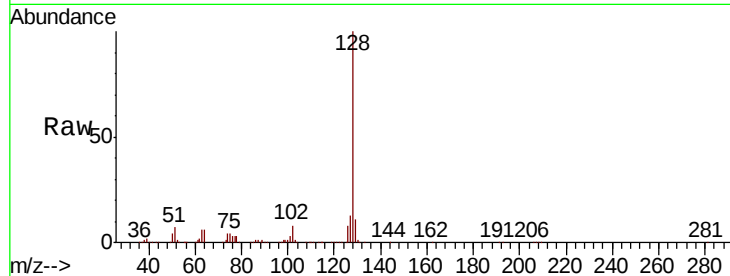


#91
Naphthalene
Concen: 151.945 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

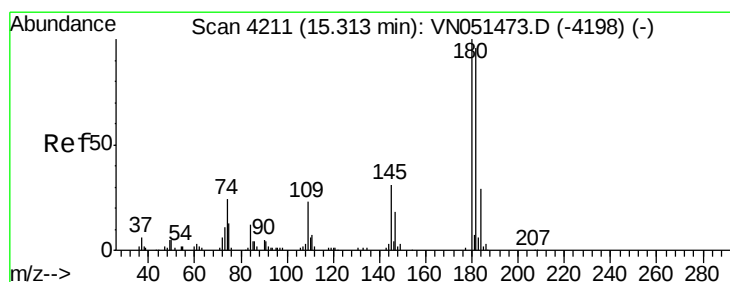
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	11.0	8.4	12.6

Manual Integrations
APPROVED



MMDadoda

10/1/2018 11:21:27 AM



#92
1,2,3-Trichlorobenzene
Concen: 140.069 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051475.D
Acq: 25 Sep 2018 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	198.0
145	29.6	0.0	36.8

