

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053105.D
 Acq On : 21 Dec 2018 16:39
 Operator : MD\SY
 Sample : VN1221MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:46 AM

Quant Time: Dec 21 17:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	898335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1392889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1268921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	569716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	446563	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.59	113	339425	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	10.09	98	1510284	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	12.40	95	531424	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	165063	18.155 ug/l	99
3) Chloromethane	2.06	50	211137	19.164 ug/l	100
4) Vinyl Chloride	2.19	62	207945	18.636 ug/l	100
5) Bromomethane	2.58	94	138831	17.958 ug/l	98
6) Chloroethane	2.71	64	128788	19.489 ug/l	97
7) Trichlorofluoromethane	3.02	101	265092	19.071 ug/l	100
8) Diethyl Ether	3.42	74	119089	22.710 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	170591	19.248 ug/l	100
10) Methyl Iodide	3.96	142	226419	18.192 ug/l	99
11) Tert butyl alcohol	4.78	59	79372	142.692 ug/l #	90
12) 1,1-Dichloroethene	3.74	96	164654	19.230 ug/l	99
13) Acrolein	3.61	56	64559	127.999 ug/l	100
14) Allyl chloride	4.33	41	281825	21.249 ug/l	95
15) Acrylonitrile	4.99	53	393030	127.185 ug/l	100
16) Acetone	3.82	43	242257	135.533 ug/l	98
17) Carbon Disulfide	4.06	76	436847	15.644 ug/l	99
18) Methyl Acetate	4.33	43	206448	25.935 ug/l	99
19) Methyl tert-butyl Ether	5.05	73	539100	23.528 ug/l	99
20) Methylene Chloride	4.56	84	206566	21.186 ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	176408	19.176 ug/l	97
22) Diisopropyl ether	5.96	45	639388	22.586 ug/l	99
23) Vinyl Acetate	5.90	43	1971646	121.117 ug/l	99
24) 1,1-Dichloroethane	5.86	63	349393	20.770 ug/l	99
25) 2-Butanone	6.84	43	420494	140.176 ug/l	99
26) 2,2-Dichloropropane	6.83	77	245267	19.099 ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	218382	20.968 ug/l	98
28) Bromochloromethane	7.20	49	152554	20.928 ug/l	96
29) Tetrahydrofuran	7.21	42	297148	132.630 ug/l	97
30) Chloroform	7.37	83	346008	20.938 ug/l	99
31) Cyclohexane	7.66	56	306749	18.786 ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	274798	19.520 ug/l	99
36) 1,1-Dichloropropene	7.80	75	247994	18.550 ug/l	99
37) Ethyl Acetate	6.93	43	191831	25.703 ug/l	99
38) Carbon Tetrachloride	7.78	117	227663	18.578 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	288198	17.745	ug/l	99
40) Benzene	8.05	78	810358	20.378	ug/l	99
41) Methacrylonitrile	7.18	41	111805	25.927	ug/l	96
42) 1,2-Dichloroethane	8.13	62	255963	21.788	ug/l	99
43) Isopropyl Acetate	8.17	43	353218	23.911	ug/l	99
44) Trichloroethene	8.84	130	216601	18.831	ug/l	93
45) 1,2-Dichloropropane	9.12	63	217479	20.996	ug/l	100
46) Dibromomethane	9.21	93	130282	21.591	ug/l	99
47) Bromodichloromethane	9.40	83	260938	20.344	ug/l	100
48) Methyl methacrylate	9.20	41	179751	24.820	ug/l	99
49) 1,4-Dioxane	9.20	88	44276	483.301	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	968439	133.989	ug/l	99
52) Toluene	10.16	92	500987	20.325	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	271436	20.125	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	316951	20.473	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	196093	22.804	ug/l	98
56) Ethyl methacrylate	10.43	69	270910	23.802	ug/l	97
57) 1,3-Dichloropropane	10.71	76	328437	22.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	754299	120.716	ug/l	99
59) 2-Hexanone	10.75	43	664475	135.880	ug/l	100
60) Dibromochloromethane	10.90	129	203651	20.690	ug/l	100
61) 1,2-Dibromoethane	11.01	107	196001	22.443	ug/l	100
64) Tetrachloroethene	10.63	164	236095	17.176	ug/l	98
65) Chlorobenzene	11.44	112	554032	19.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	194030	19.836	ug/l	100
67) Ethyl Benzene	11.51	91	934820	19.325	ug/l	99
68) m/p-Xylenes	11.62	106	722149	39.270	ug/l	98
69) o-Xylene	11.95	106	353219	20.017	ug/l	100
70) Styrene	11.97	104	579422	20.137	ug/l	100
71) Bromoform	12.13	173	142741	20.200	ug/l #	100
73) Isopropylbenzene	12.25	105	917028	20.573	ug/l	100
74) N-amyl acetate	12.07	43	301593	24.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	238158	27.234	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	215624m	22.483	ug/l	
77) Bromobenzene	12.53	156	249043	21.493	ug/l	99
78) n-propylbenzene	12.59	91	1007513	19.846	ug/l	100
79) 2-Chlorotoluene	12.68	91	613883	19.508	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	724483	19.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64327	21.618	ug/l	100
82) 4-Chlorotoluene	12.77	91	609351	19.781	ug/l	99
83) tert-Butylbenzene	12.99	119	636653	19.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	733750	20.089	ug/l	99
85) sec-Butylbenzene	13.17	105	828359	19.059	ug/l	100
86) p-Isopropyltoluene	13.29	119	708072	18.854	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	402876	19.645	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398123	19.170	ug/l	100
89) n-Butylbenzene	13.62	91	546214	16.906	ug/l	100
90) Hexachloroethane	13.88	117	104169	18.075	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	382586	19.822	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33348	22.055	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173974	17.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	106854	18.365	ug/l	99
95) Naphthalene	15.14	128	424547	19.665	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	165097	18.255	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

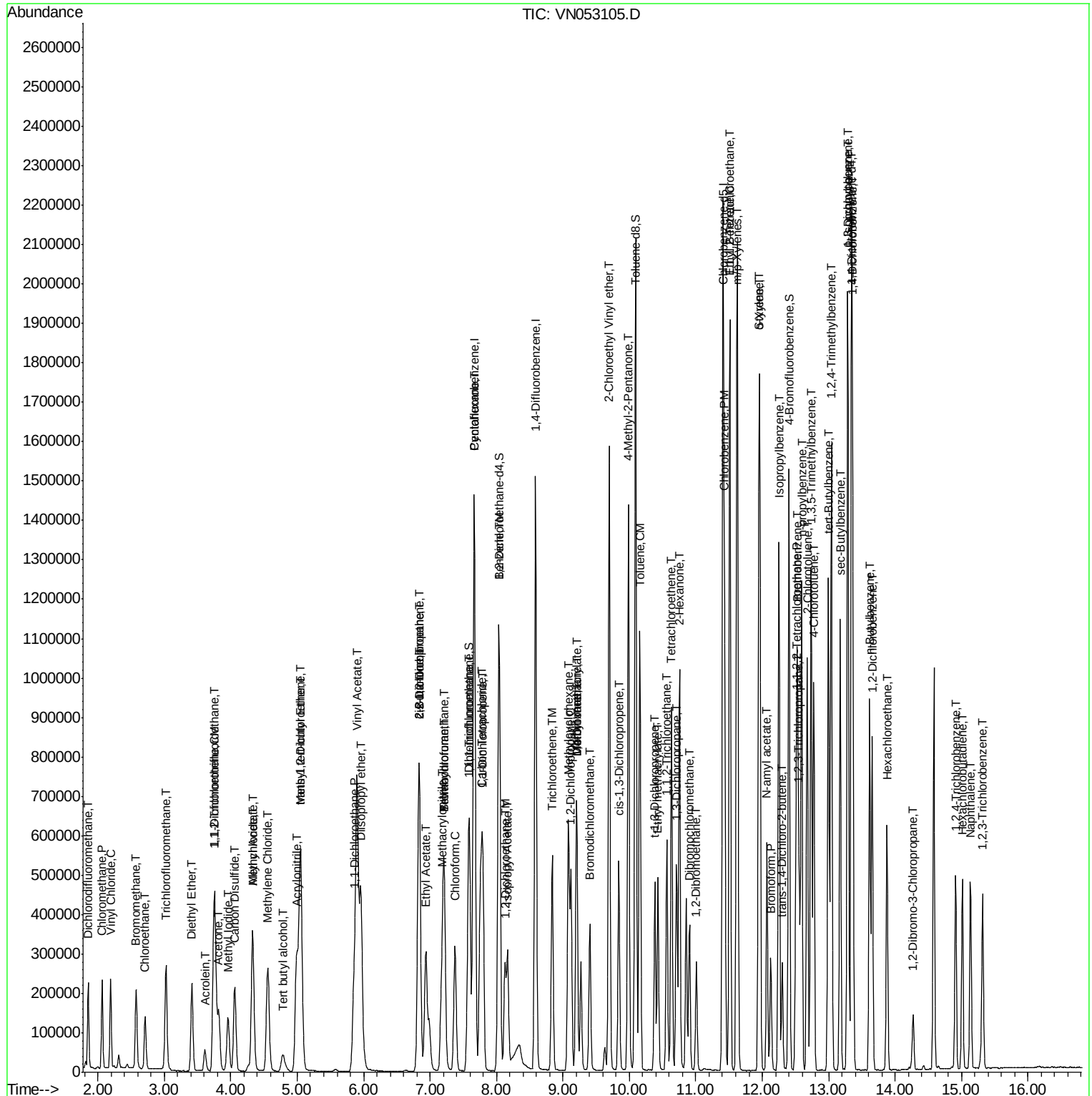
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Data File : VN053105.D
Acq On : 21 Dec 2018 16:39
Operator : MD\SY
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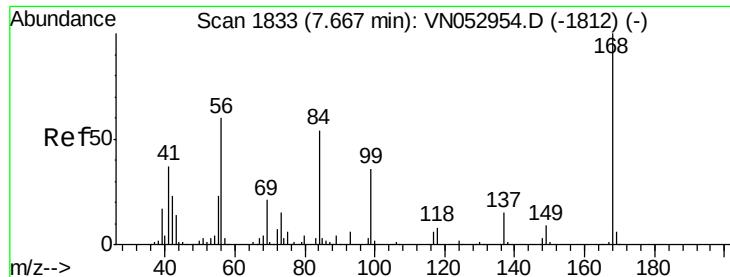
Instrument :
MSVOA_N
Client Sample ID :
VN1221MBS02

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 168 Resp: 898335

Ion Ratio Lower Upper

168 100

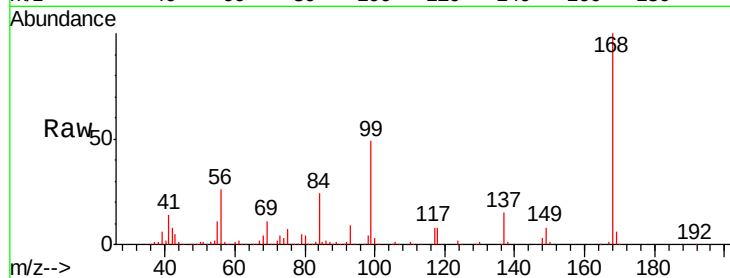
99 49.3 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN053105.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053105.D (-1740) (-)

7.67

400000

300000

200000

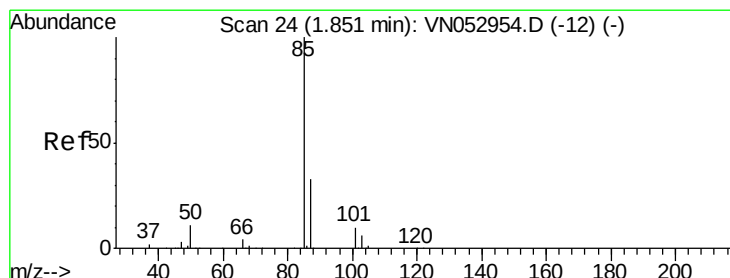
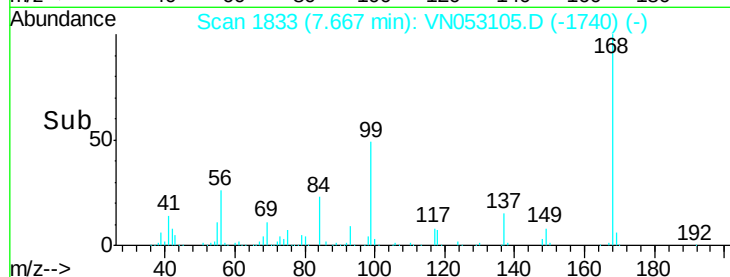
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.155 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053105.D

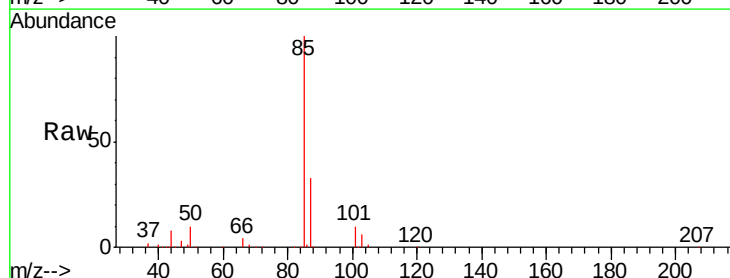
Acq: 21 Dec 2018 16:39

Tgt Ion: 85 Resp: 165063

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN053105.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN053105.D (-1) (-)

1.85

100000

50000

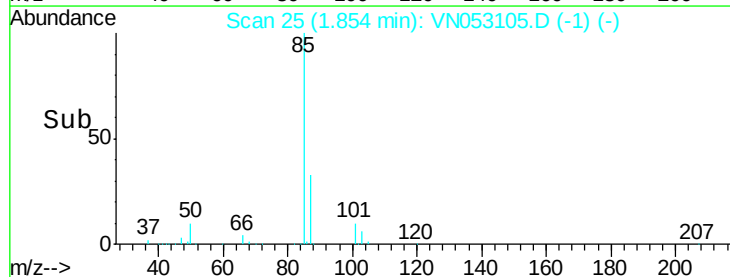
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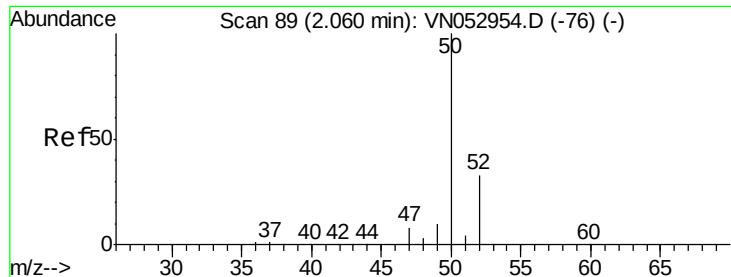
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.164 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 50 Resp: 211137

Ion Ratio Lower Upper

50 100

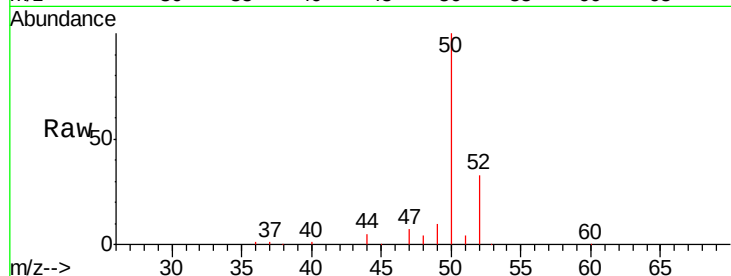
52 32.8 26.2 39.4

Manual Integrations

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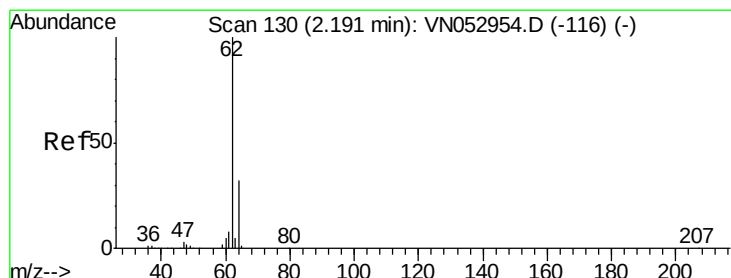
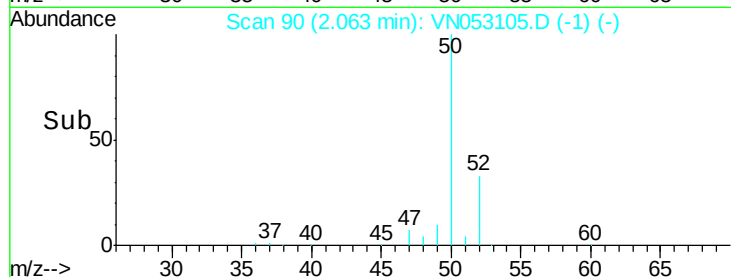
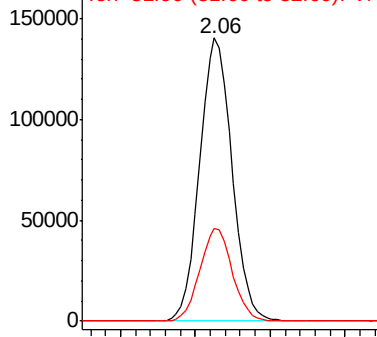
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.636 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053105.D

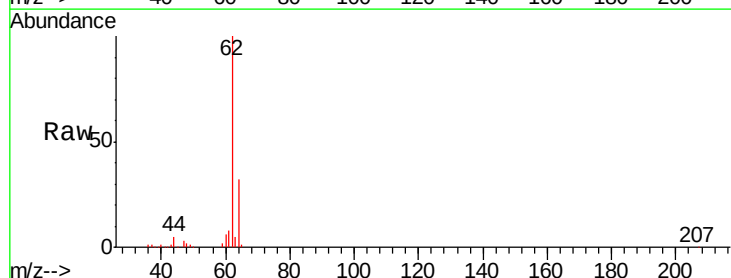
Acq: 21 Dec 2018 16:39

Tgt Ion: 62 Resp: 207945

Ion Ratio Lower Upper

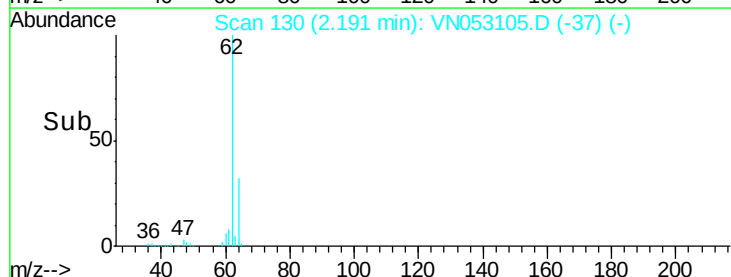
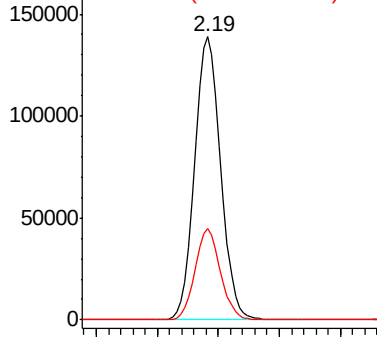
62 100

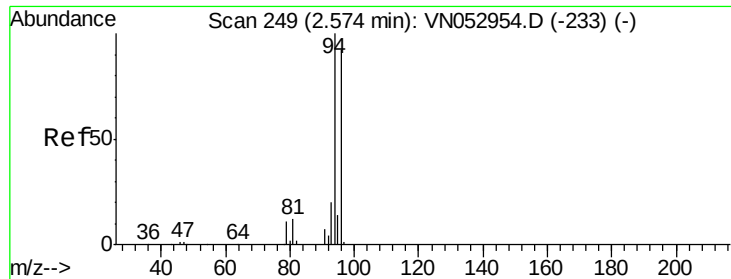
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.958 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053105.D

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ClientSampleId :

VN1221MBSD02

Tgt Ion: 94 Resp: 138831

Ion Ratio Lower Upper

94 100

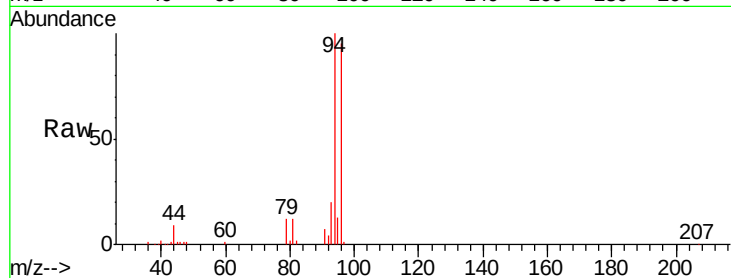
96 95.2 75.0 112.4

Manual Integrations

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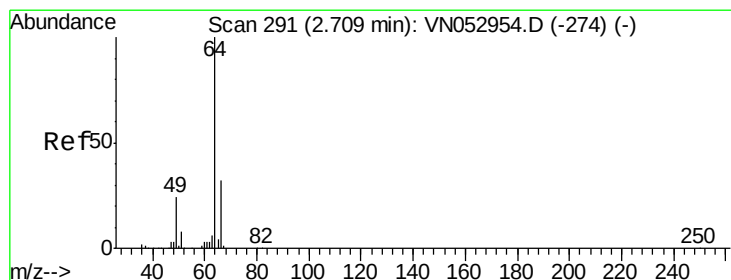
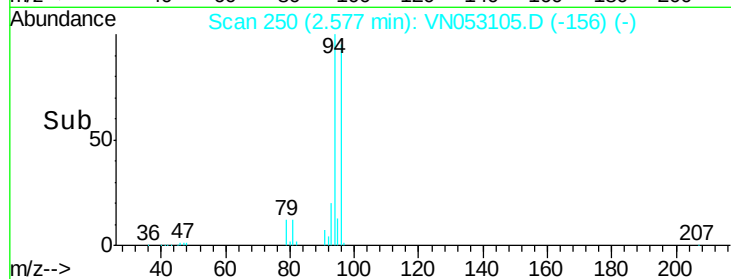
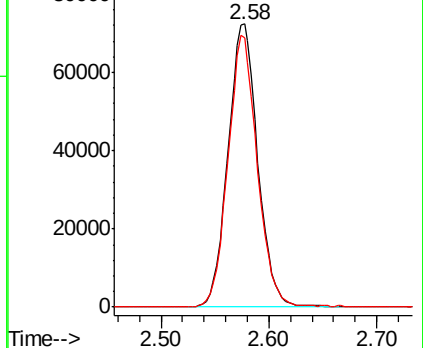
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.489 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053105.D

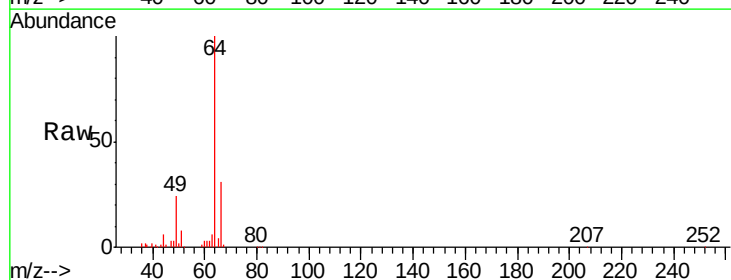
Acq: 21 Dec 2018 16:39

Tgt Ion: 64 Resp: 128788

Ion Ratio Lower Upper

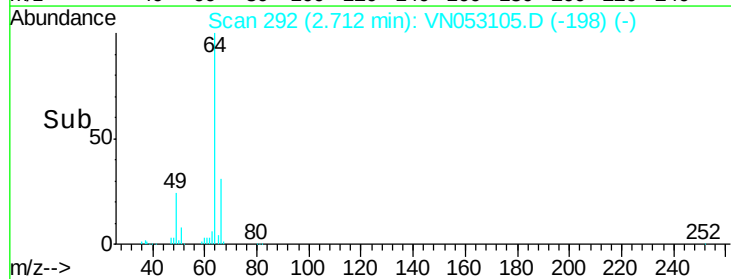
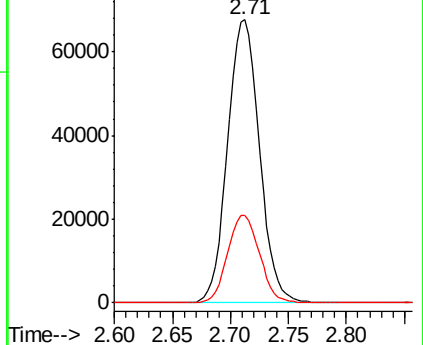
64 100

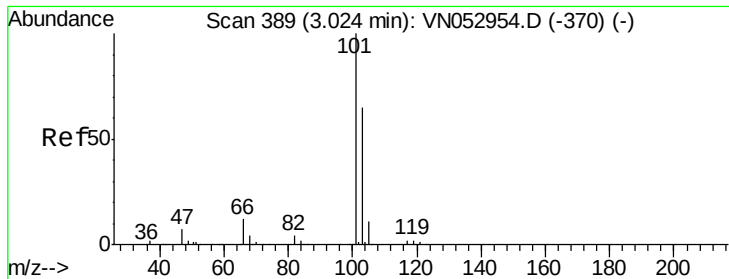
66 31.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

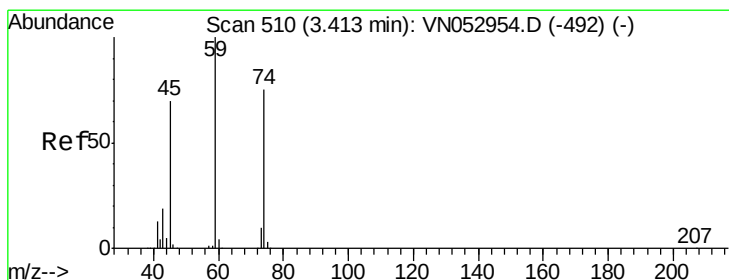
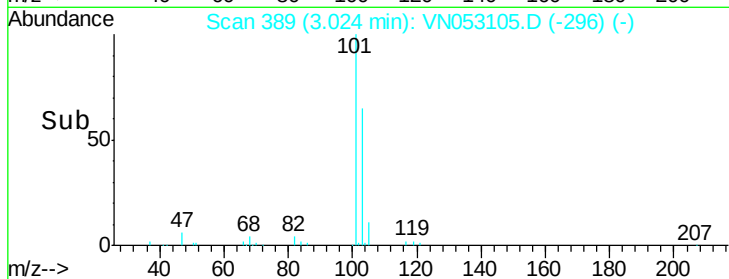
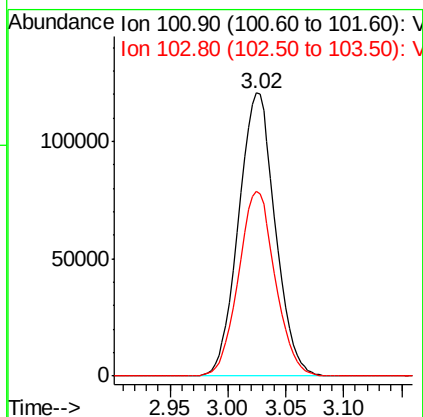
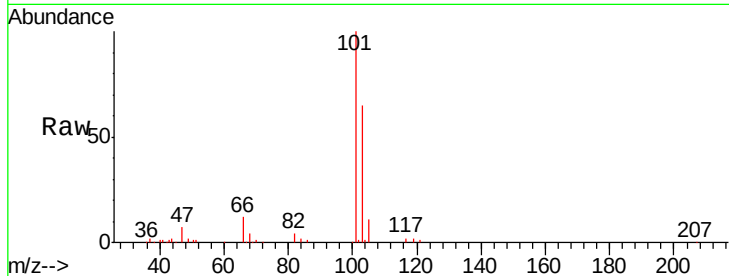
Trichlorofluoromethane
Concen: 19.071 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053105.D
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ClientSampleId :
VN1221MBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.6

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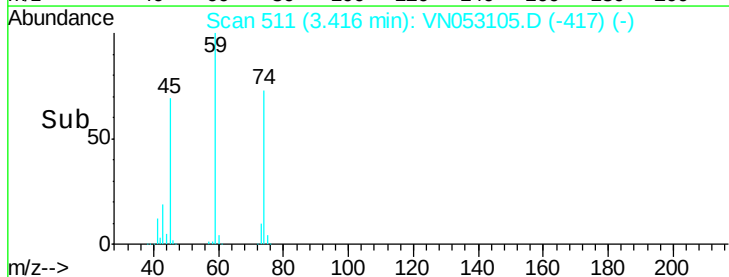
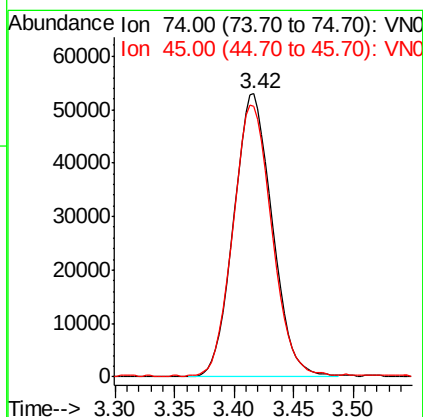
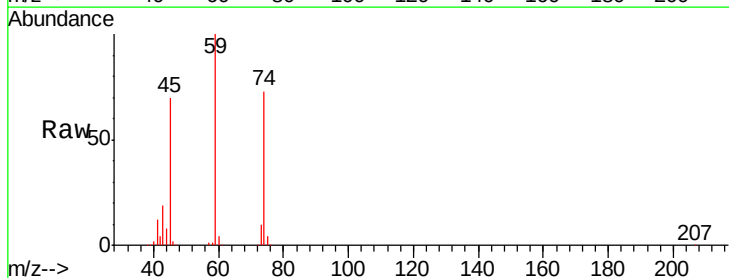
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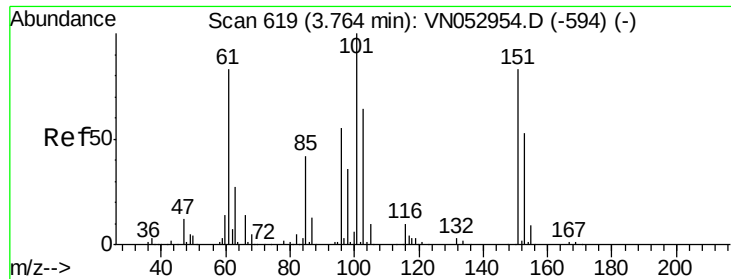


#8

Diethyl Ether
Concen: 22.710 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.248 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

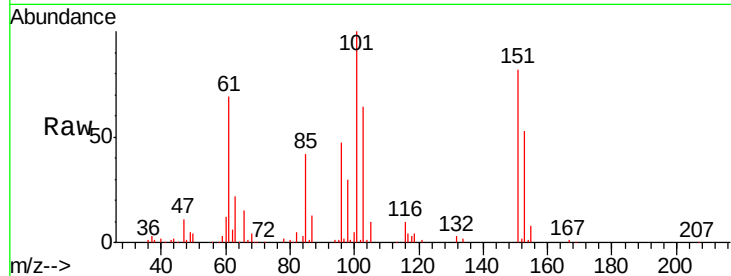
ClientSampleId :

VN1221MBS02

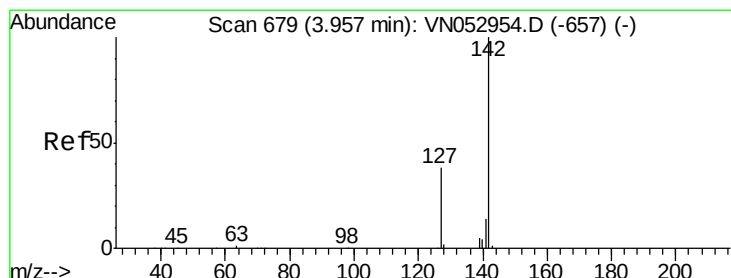
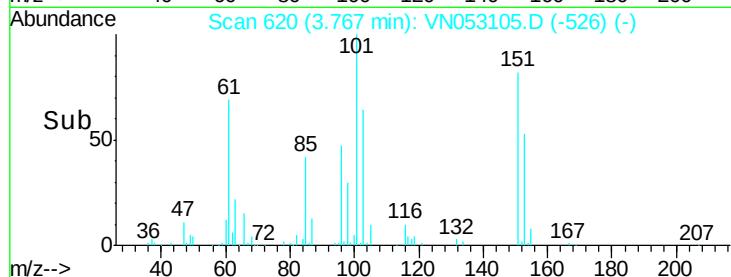
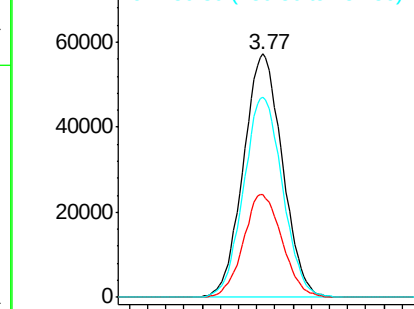
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	170591		
85	41.9	33.6	50.4	
151	82.2	65.5	98.3	

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.192 ug/l

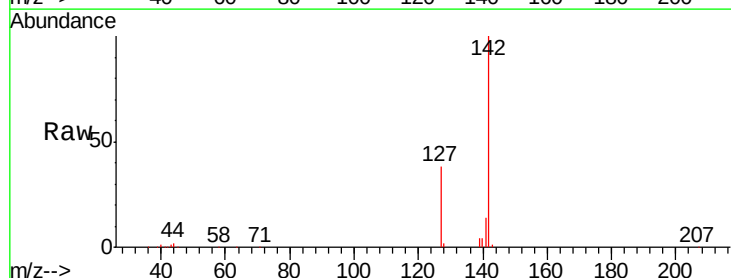
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

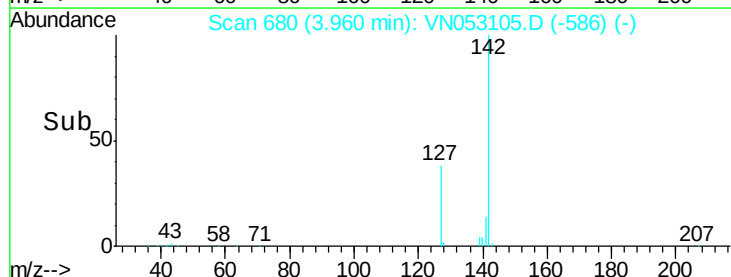
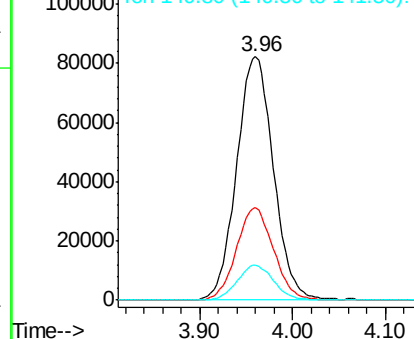
Lab File: VN053105.D

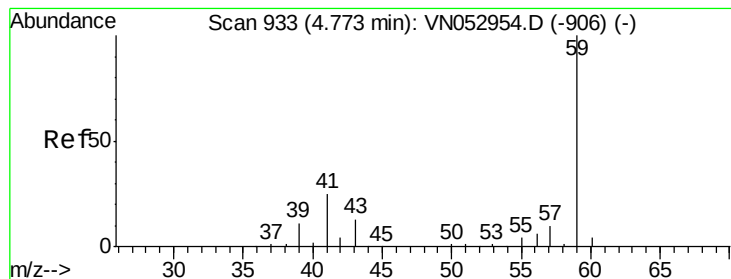
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	226419		
127	38.2	31.0	46.6	
141	14.1	11.2	16.8	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

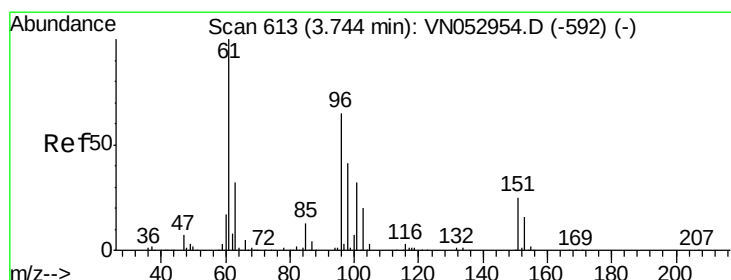
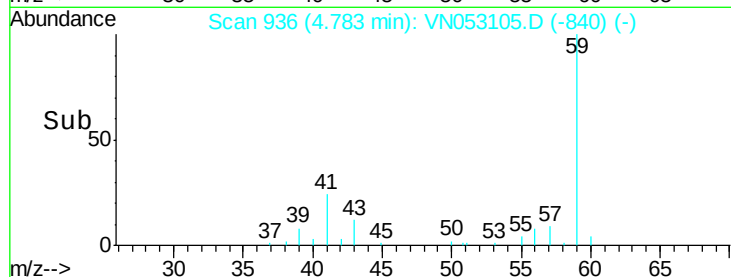
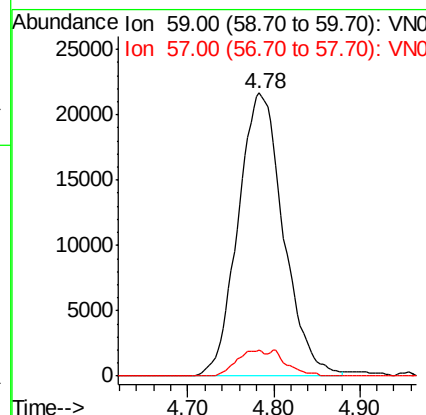
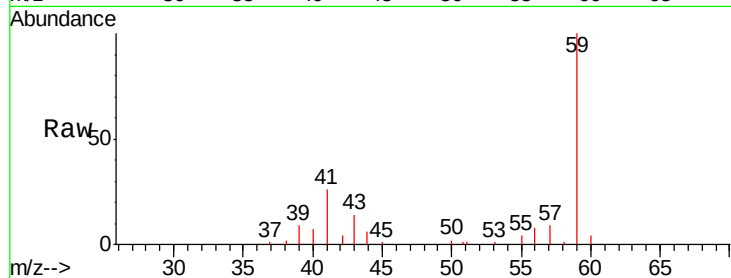
Tert butyl alcohol
Concen: 142.692 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion: 59 Resp: 79372
Ion Ratio Lower Upper
59 100
57 5.9 7.7 11.5#

Manual Integrations
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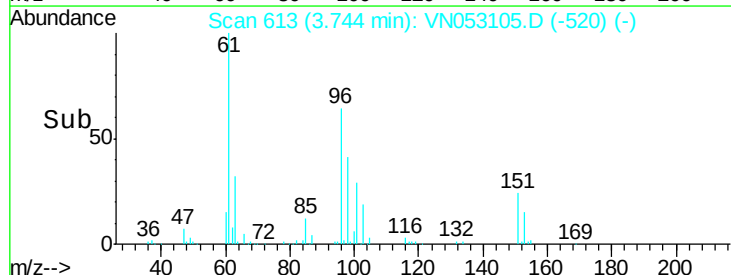
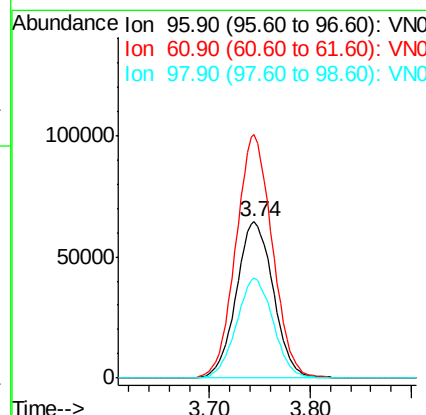
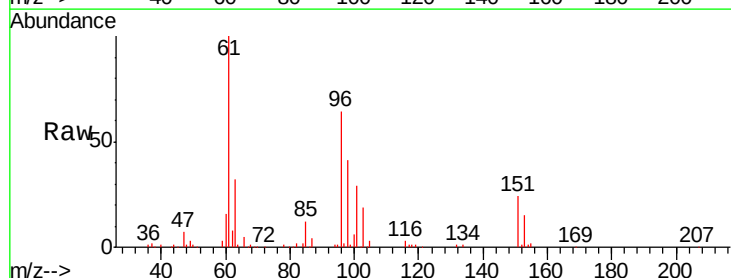
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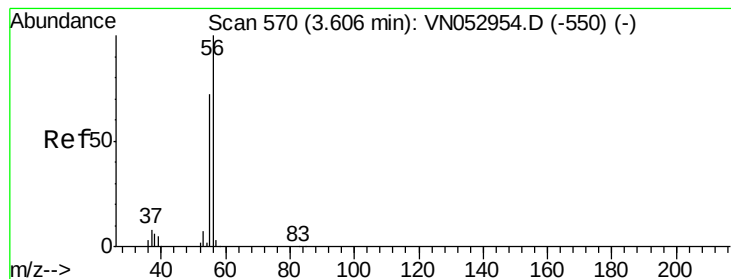


#12

1,1-Dichloroethene
Concen: 19.230 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 96 Resp: 164654
Ion Ratio Lower Upper
96 100
61 156.0 125.6 188.4
98 64.4 50.6 75.8





#13

Acrolein

Concen: 127.999 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 56 Resp: 64559

Ion Ratio Lower Upper

56 100

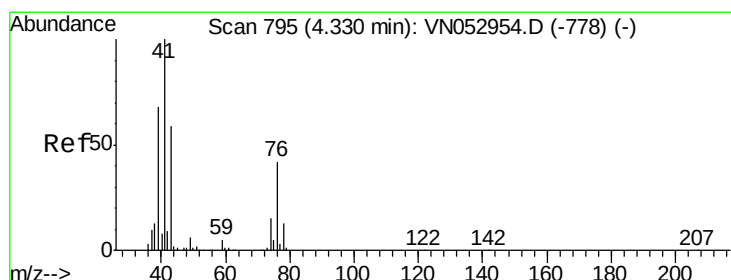
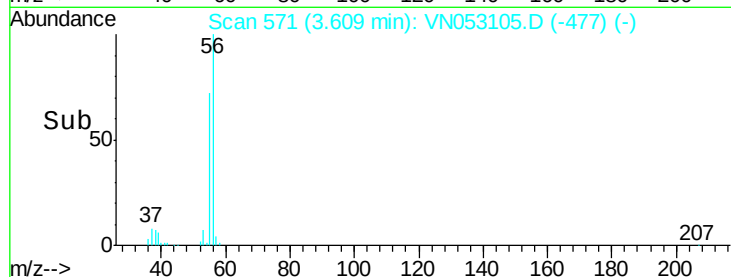
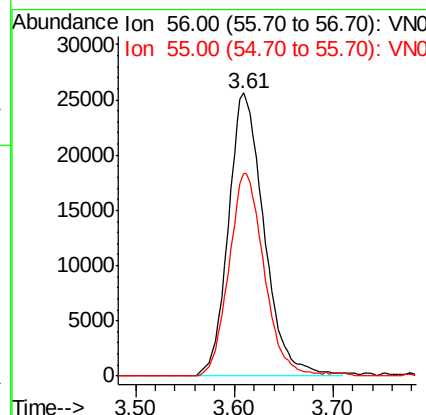
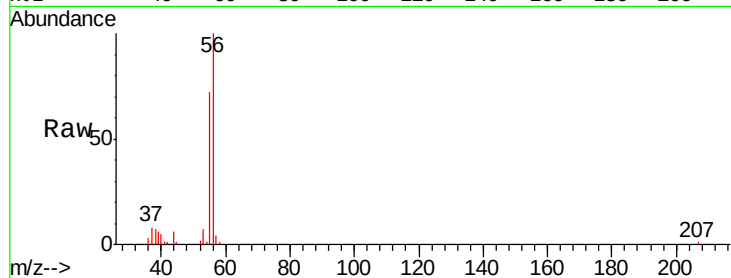
55 70.7 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.249 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

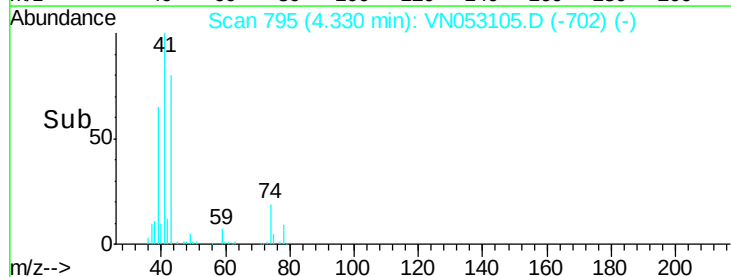
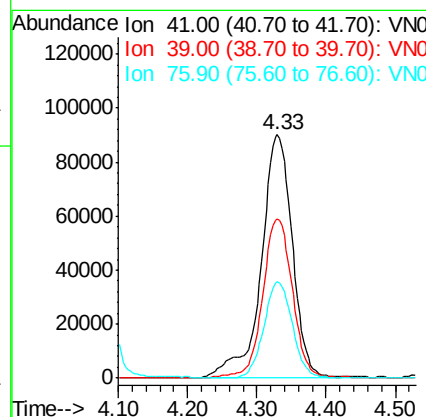
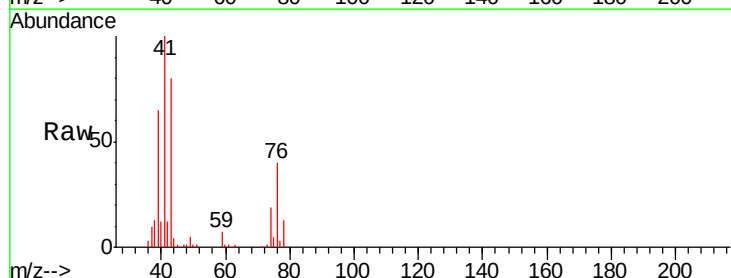
Tgt Ion: 41 Resp: 281825

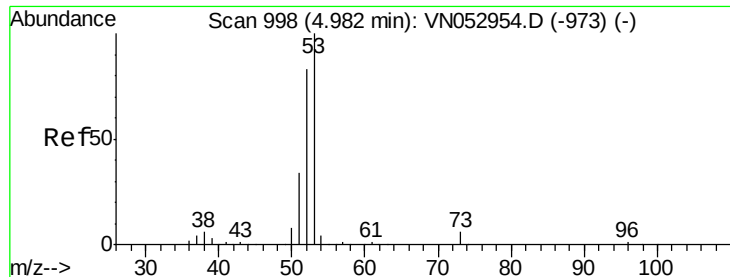
Ion Ratio Lower Upper

41 100

39 62.4 54.1 81.1

76 35.6 30.3 45.5





#15

Acrylonitrile

Concen: 127.185 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

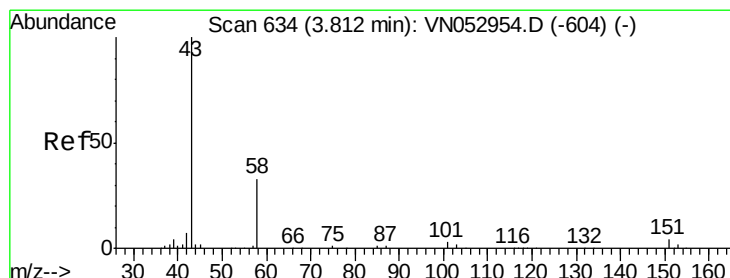
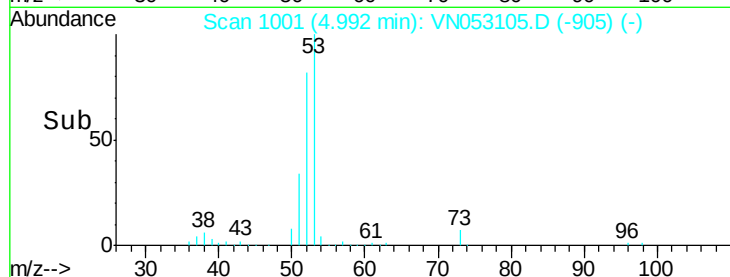
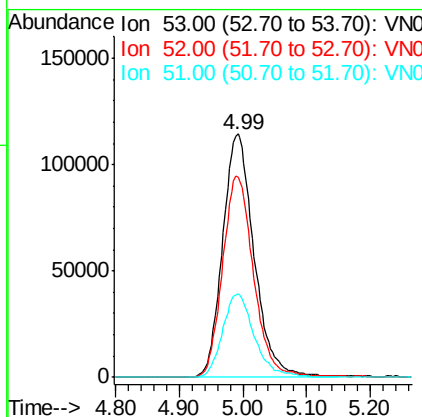
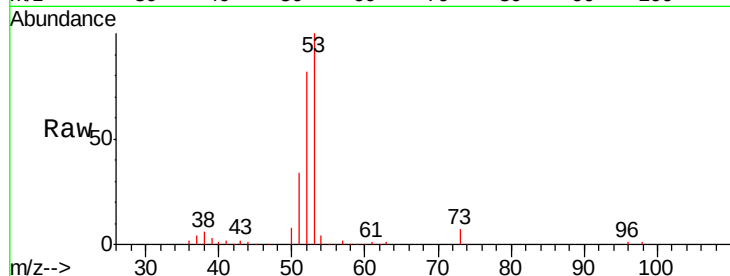
ClientSampleId :

VN1221MBSD02

Tgt Ion:	53	Resp:	393030
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	34.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 135.533 ug/l

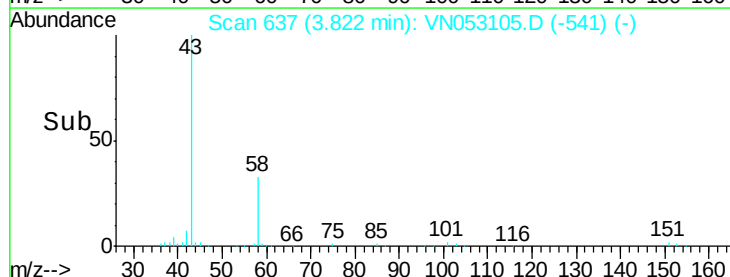
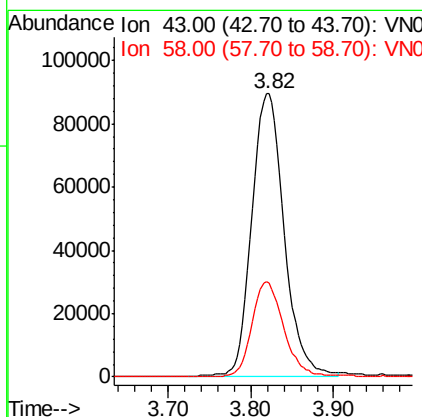
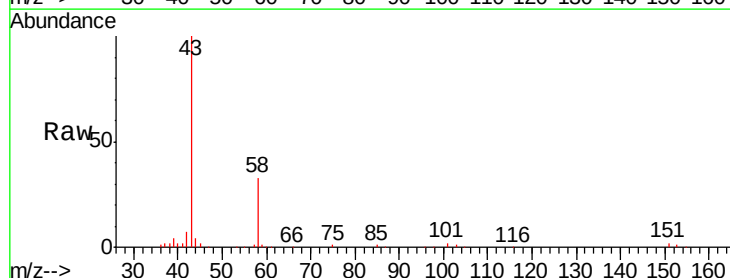
RT: 3.82 min Scan# 637

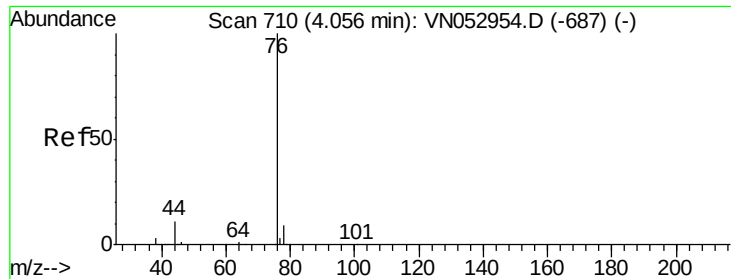
Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	43	Resp:	242257
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.0





#17

Carbon Disulfide

Concen: 15.644 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 76 Resp: 436847

Ion Ratio Lower Upper

76 100

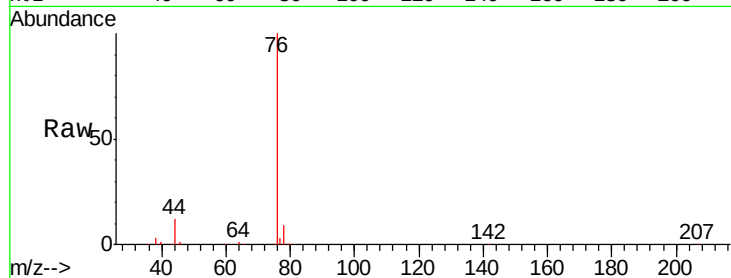
78 9.1 7.1 10.7

Manual Integrations

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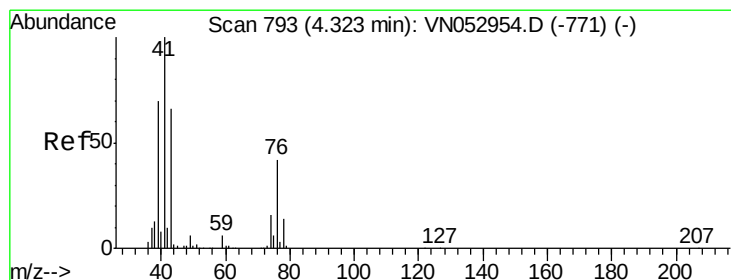
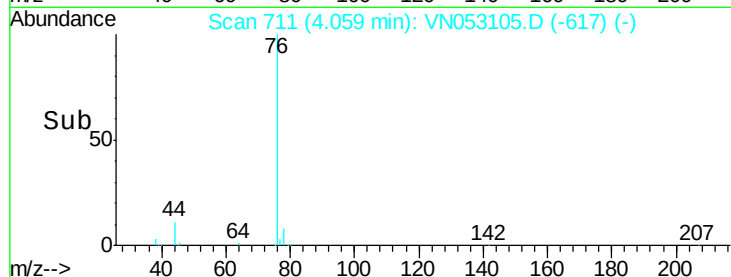
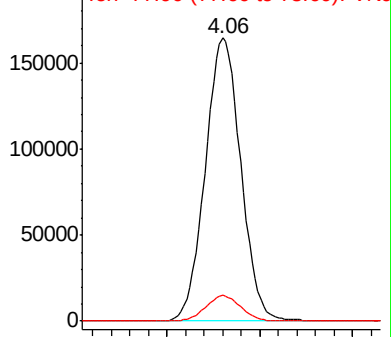
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.935 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053105.D

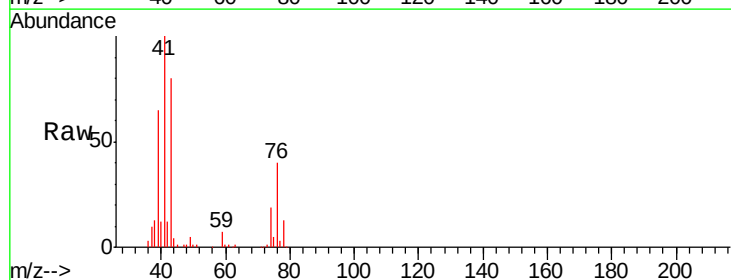
Acq: 21 Dec 2018 16:39

Tgt Ion: 43 Resp: 206448

Ion Ratio Lower Upper

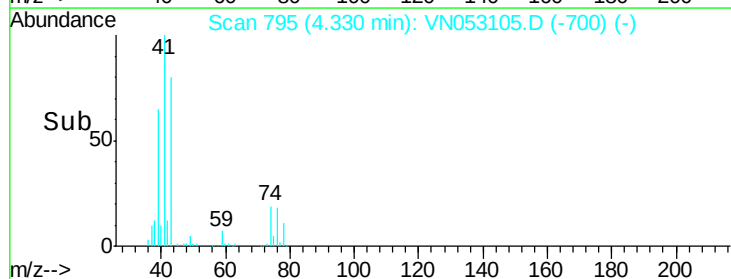
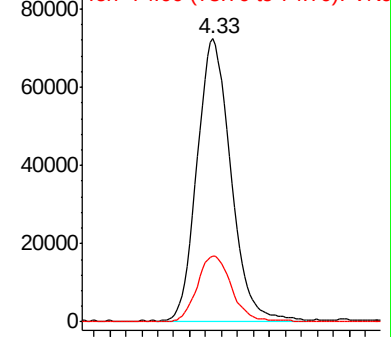
43 100

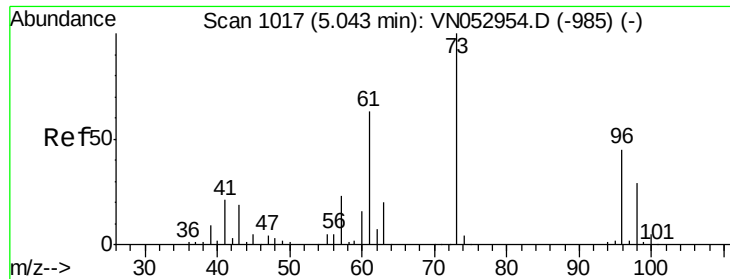
74 23.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





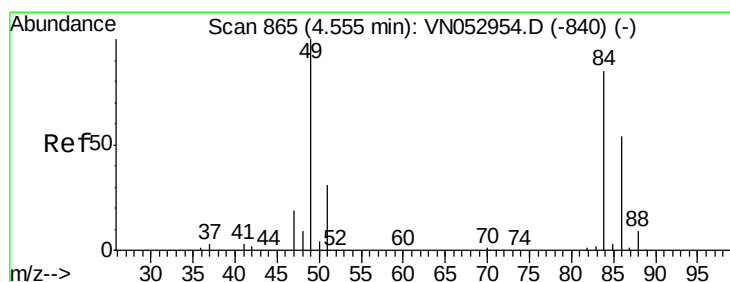
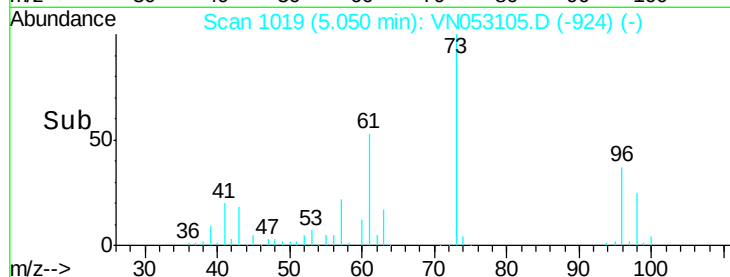
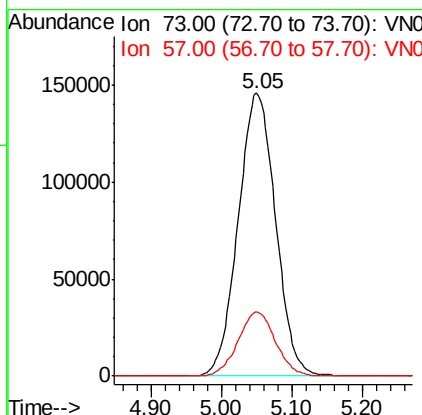
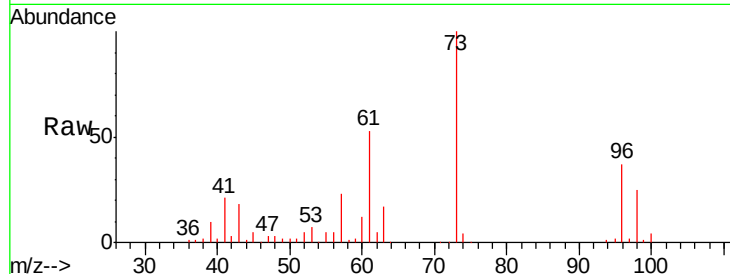
#19
Methyl tert-butyl Ether
Concen: 23.528 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion: 73 Resp: 539100
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

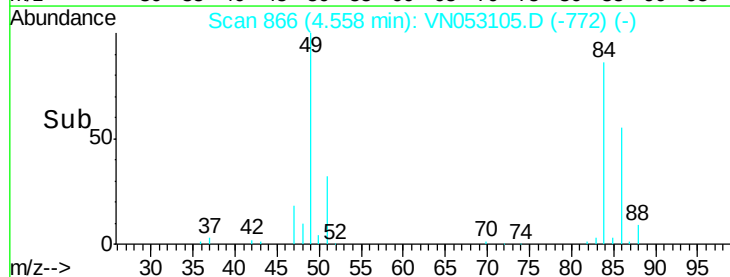
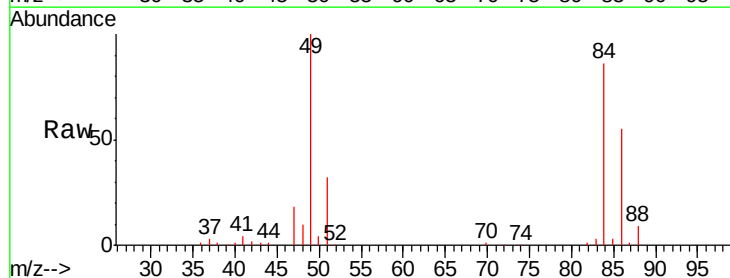
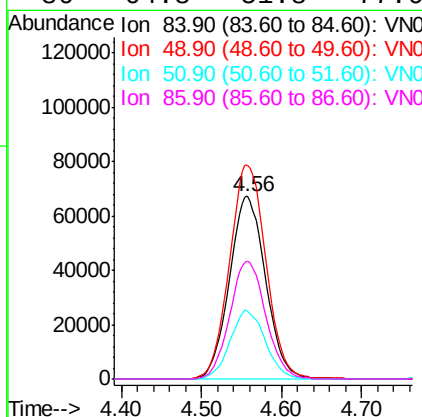
Manual Integrations
APPROVED

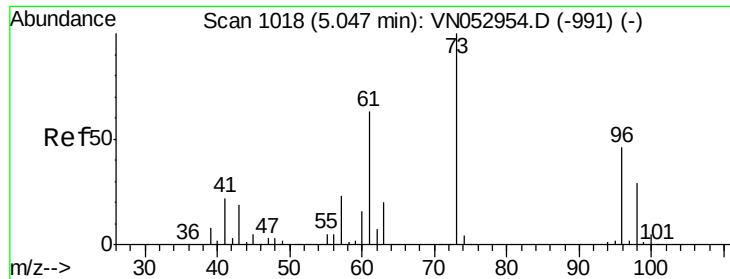
MMDadoda
12/22/2018 10:06:46 AM



#20
Methylene Chloride
Concen: 21.186 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 84 Resp: 206566
Ion Ratio Lower Upper
84 100
49 116.9 96.8 145.2
51 37.3 29.9 44.9
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.176 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

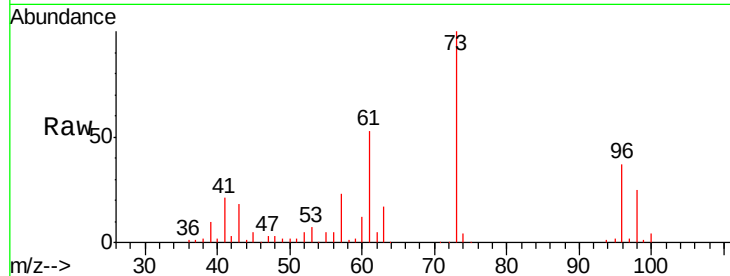
ClientSampleId :

VN1221MBS02

Tgt Ion:	96	Resp:	176408
Ion	Ratio	Lower	Upper
96	100		
61	142.6	110.8	166.2
98	66.1	51.4	77.2

Manual Integrations
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MMDadoda
12/22/2018 10:06:46 AM

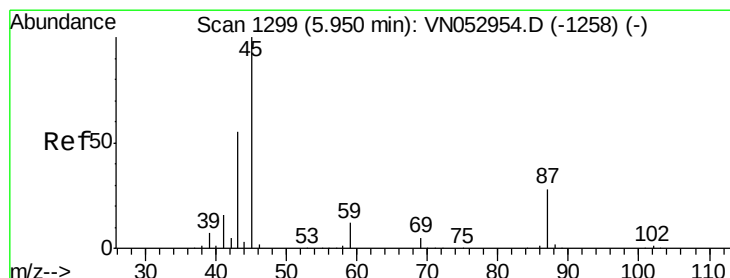
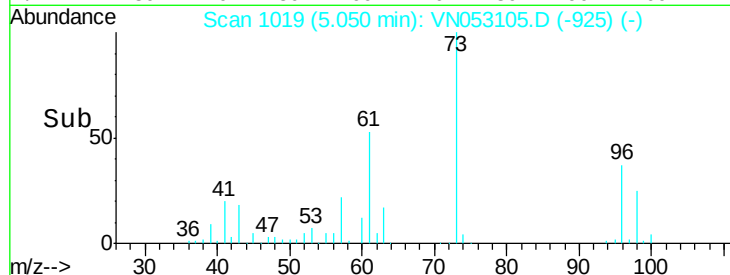
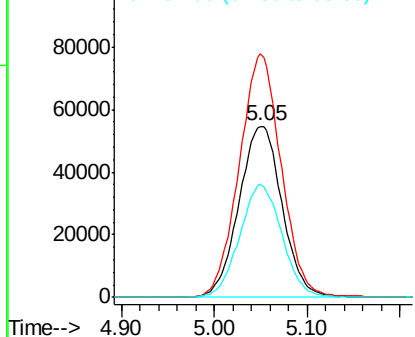


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 22.586 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	45	Resp:	639388
Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	27.5	22.0	33.0
59	11.6	9.4	14.0

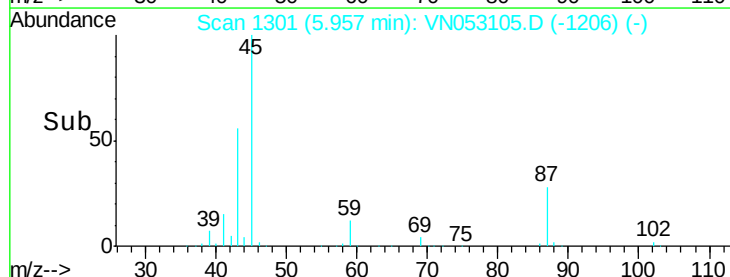
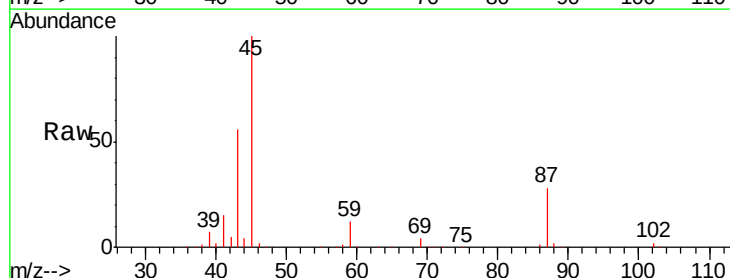
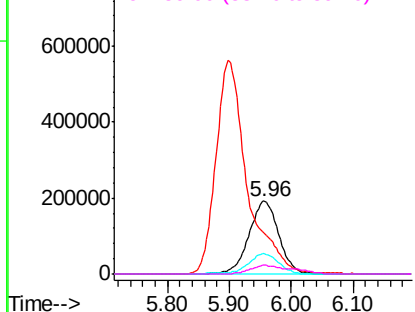
Abundance

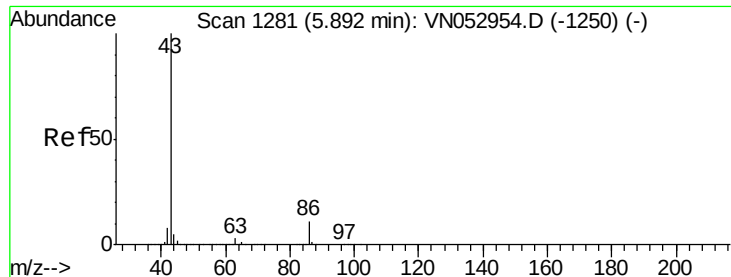
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 121.117 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 43 Resp: 1971646

Ion Ratio Lower Upper

43 100

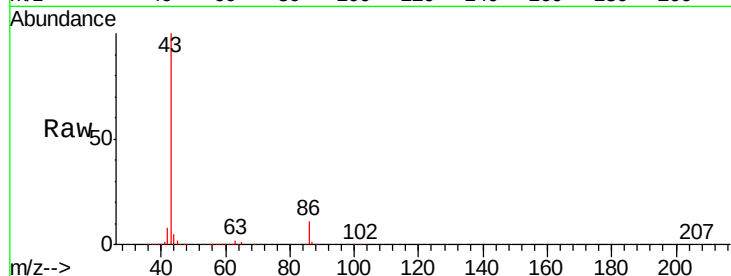
86 10.6 8.1 12.1

Manual Integrations

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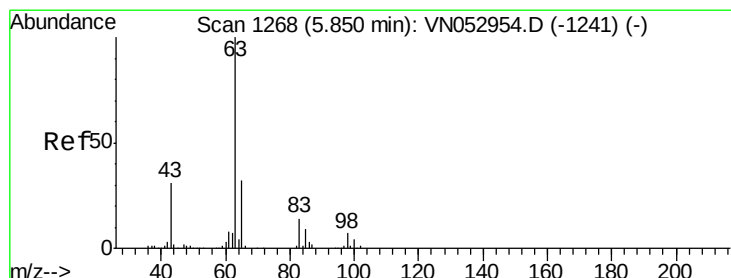
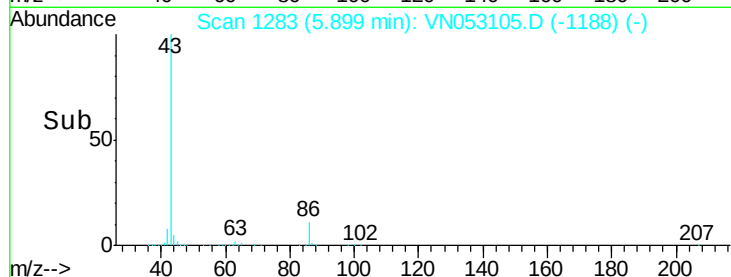
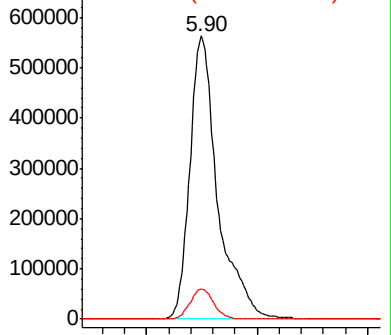
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.770 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

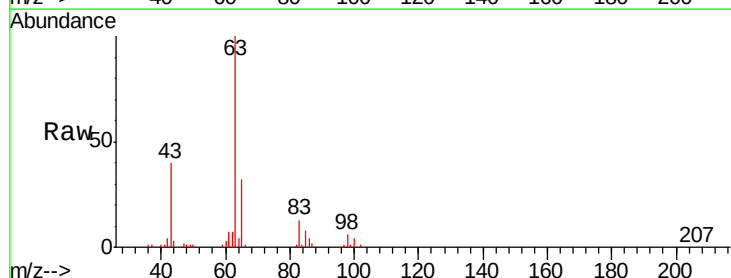
Tgt Ion: 63 Resp: 349393

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

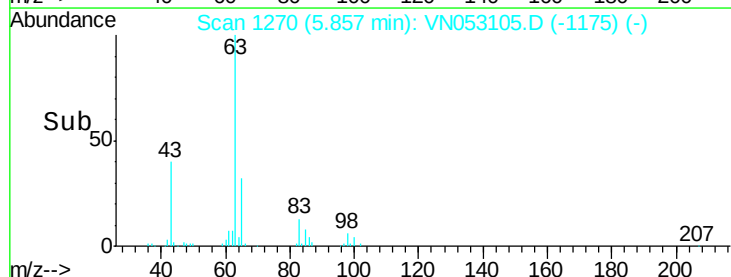
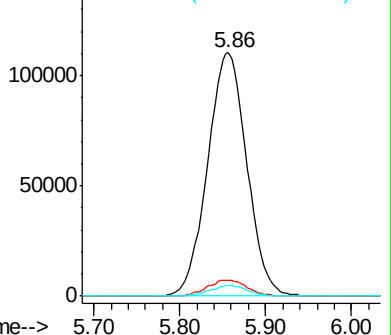
100 4.3 2.0 5.8

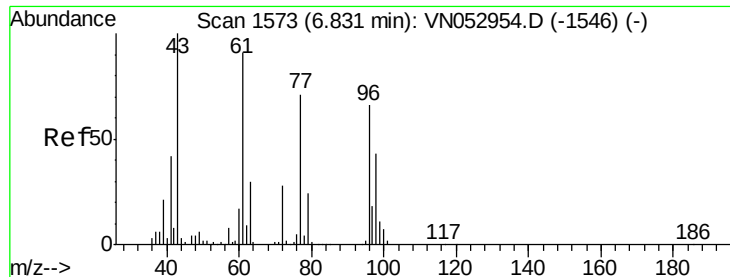


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 140.176 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 43 Resp: 420494

Ion Ratio Lower Upper

43 100

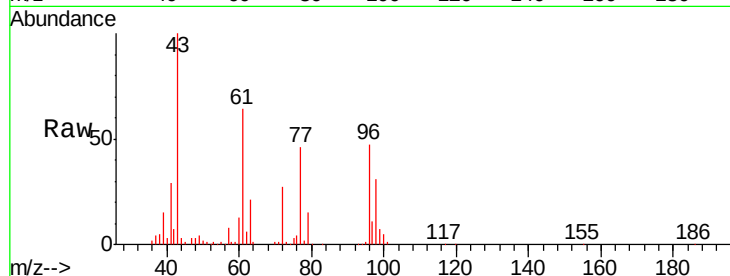
72 26.7 21.0 31.6

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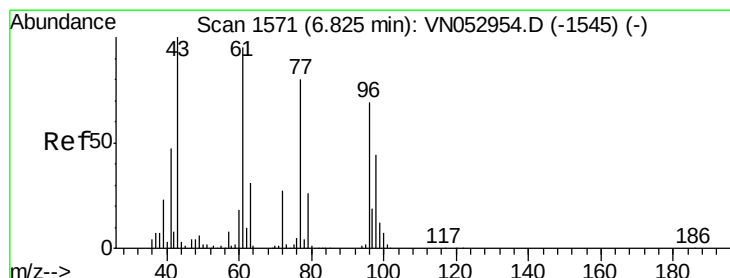
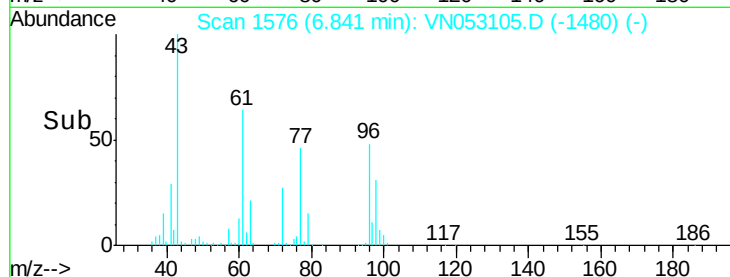
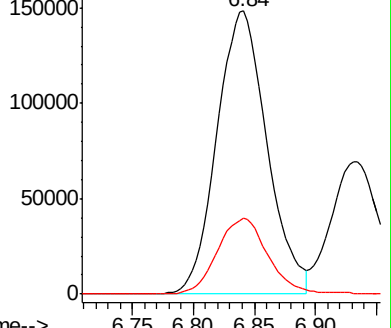
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.099 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN053105.D

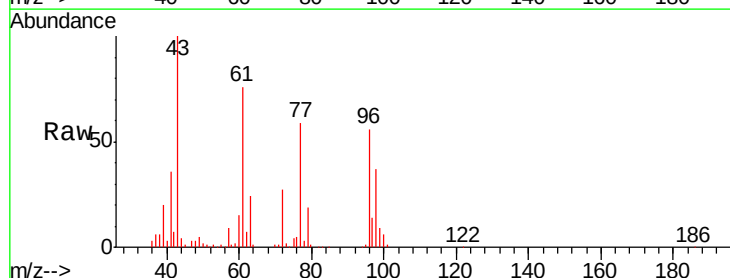
Acq: 21 Dec 2018 16:39

Tgt Ion: 77 Resp: 245267

Ion Ratio Lower Upper

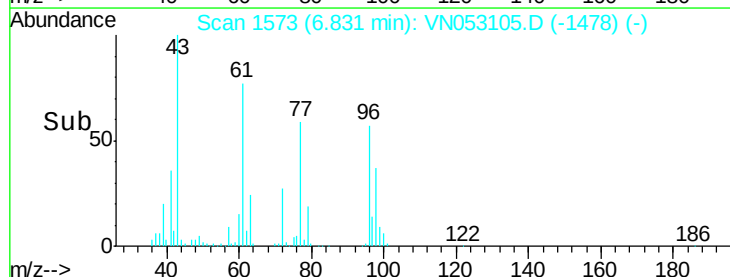
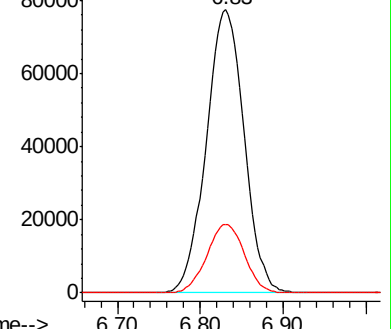
77 100

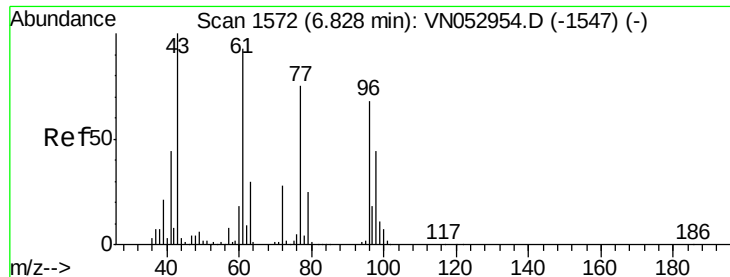
97 24.0 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.968 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

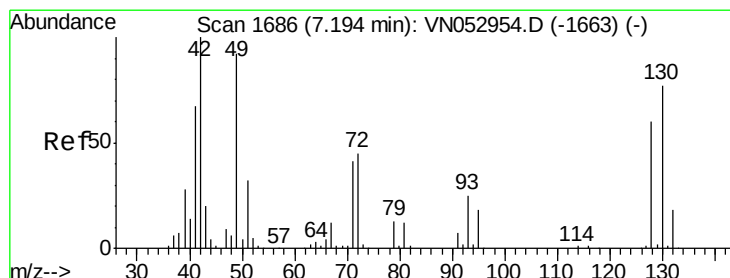
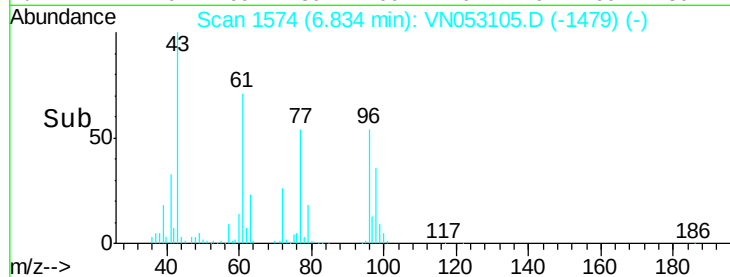
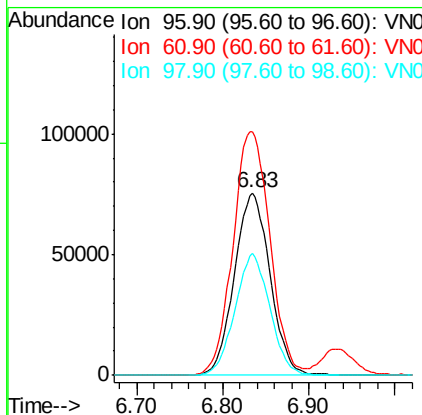
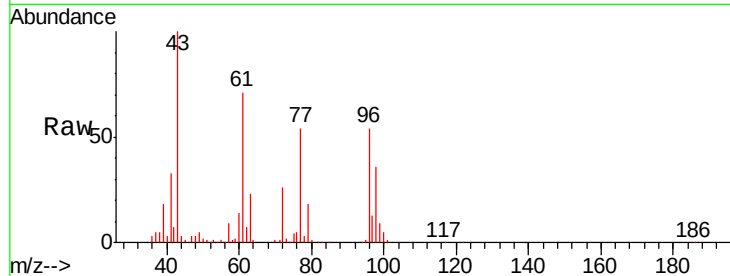
ClientSampleId :

VN1221MBSD02

Tgt Ion:	96	Resp:	218382
Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	284.2
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 20.928 ug/l

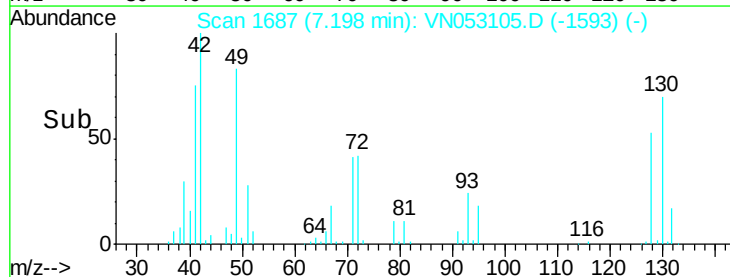
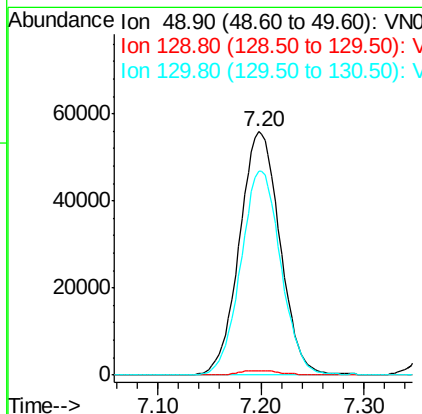
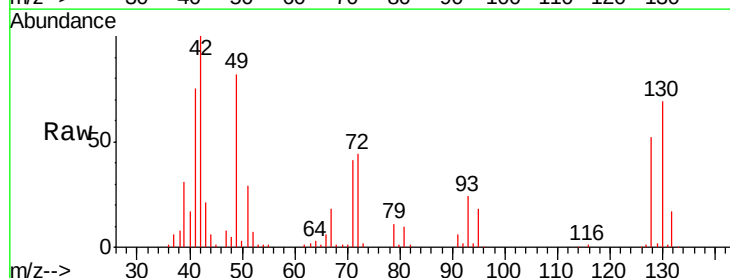
RT: 7.20 min Scan# 1687

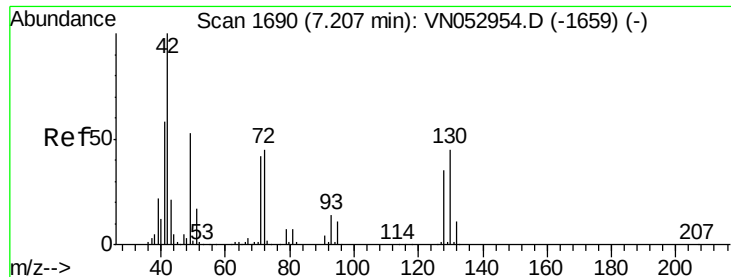
Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	49	Resp:	152554
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.9	63.3	94.9





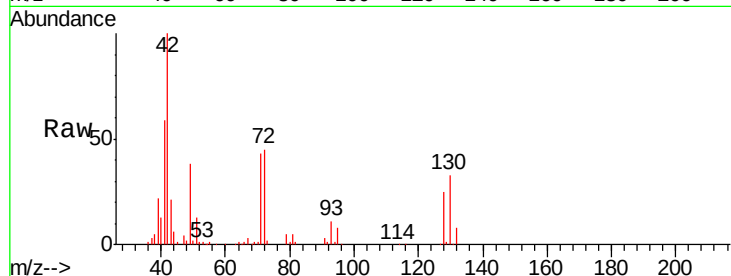
#29
Tetrahydrofuran
Concen: 132.630 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

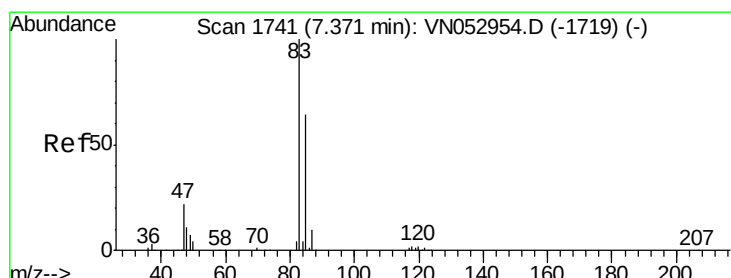
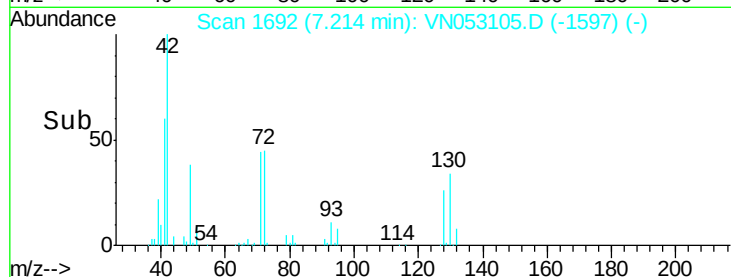
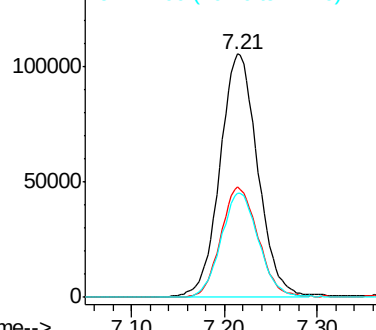
Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	42.7	32.3	48.5

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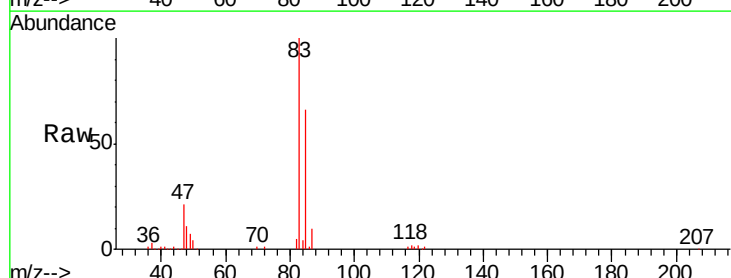


Abundance Ion 42.00 (41.70 to 42.70): VN052954.D (-1659) (-)

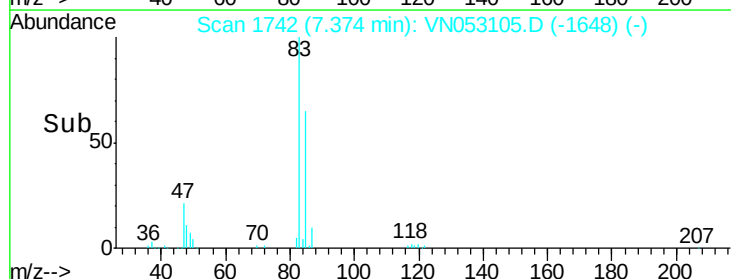
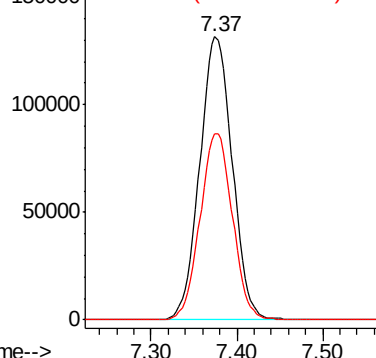


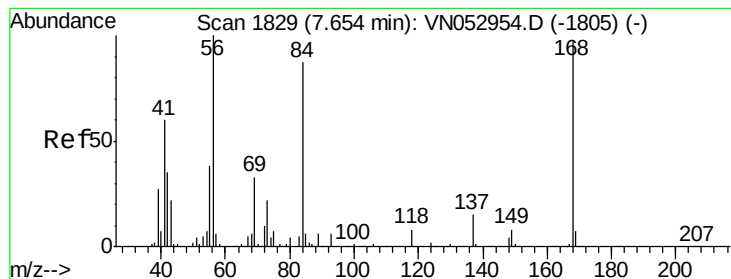
#30
Chloroform
Concen: 20.938 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN052954.D (-1719) (-)





#31

Cyclohexane

Concen: 18.786 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 56 Resp: 306749
Ion Ratio Lower Upper

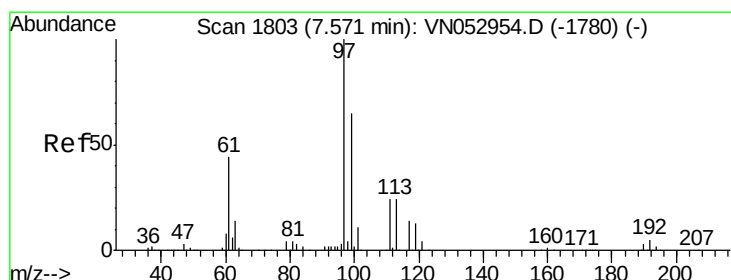
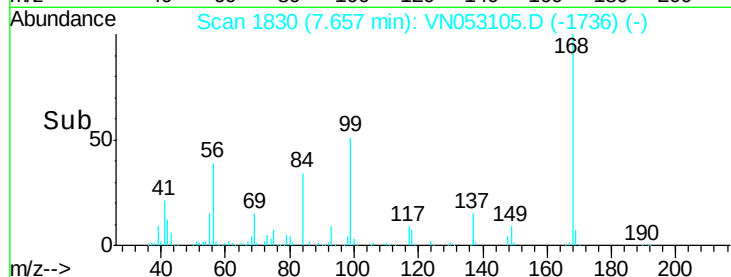
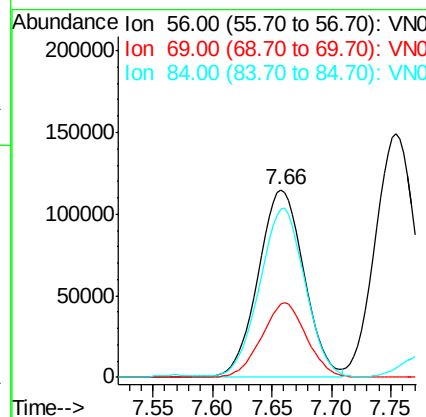
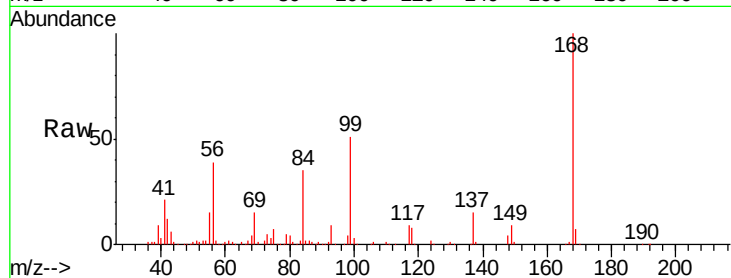
56 100

69 38.8 26.6 39.8

84 88.6 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 19.520 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053105.D

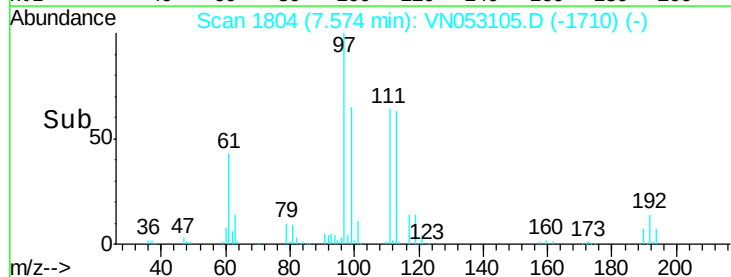
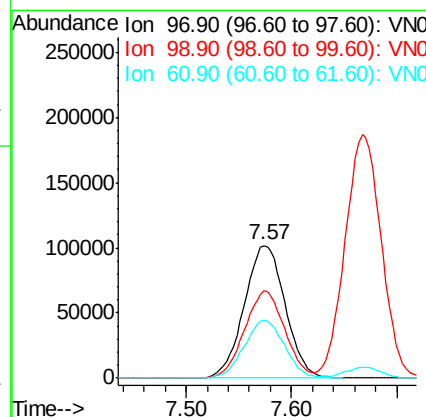
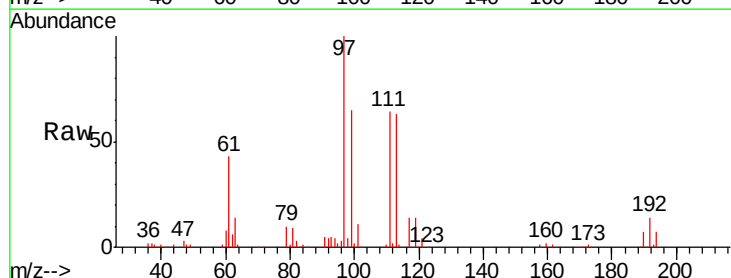
Acq: 21 Dec 2018 16:39

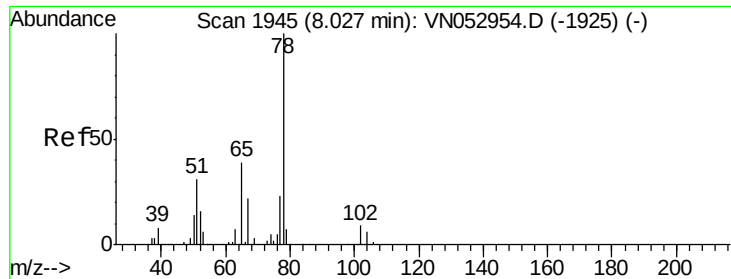
Tgt Ion: 97 Resp: 274798
Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 42.9 35.0 52.6





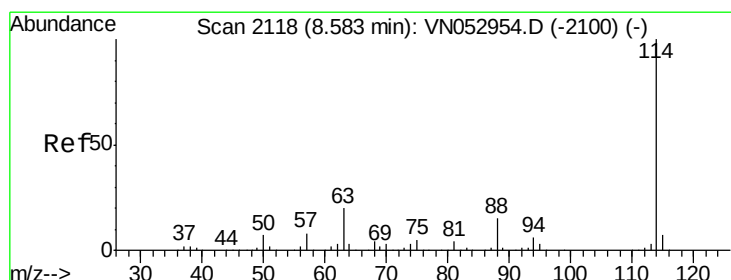
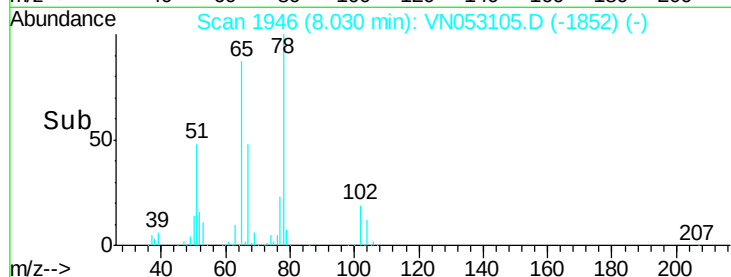
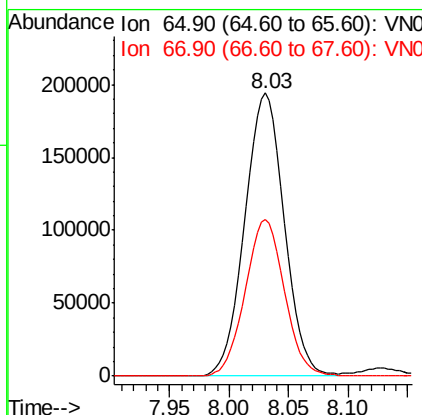
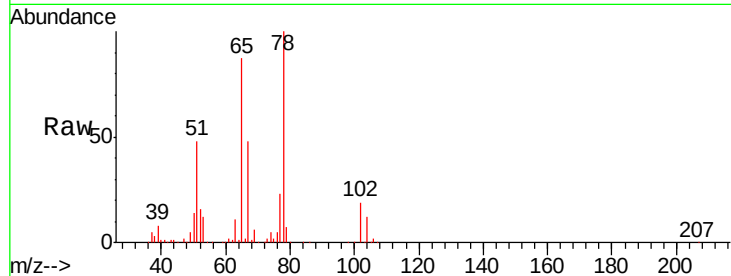
#33
 1,2-Dichloroethane-d4
 Concen: 19.520 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion: 65 Resp: 446563
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4

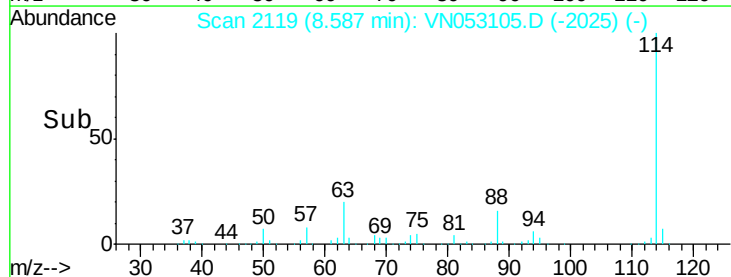
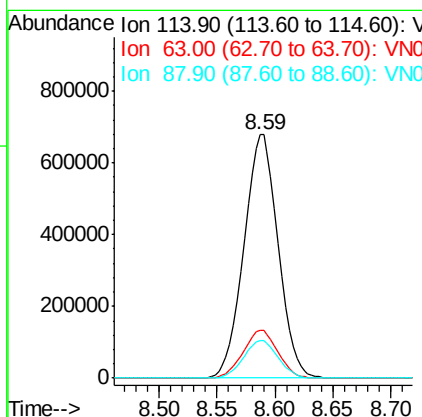
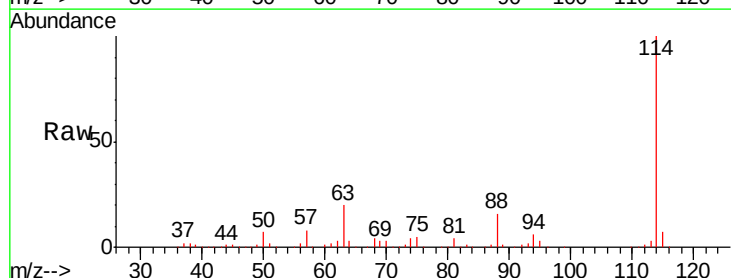
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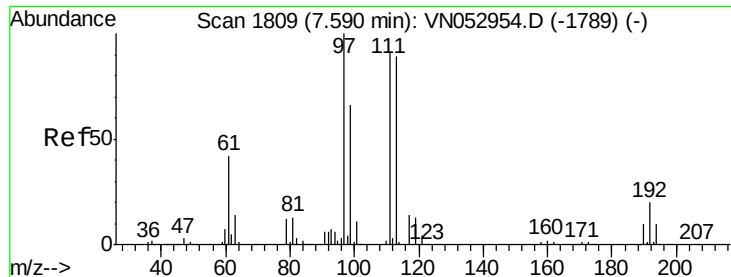
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion: 114 Resp: 1392889
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.7 0.0 31.0





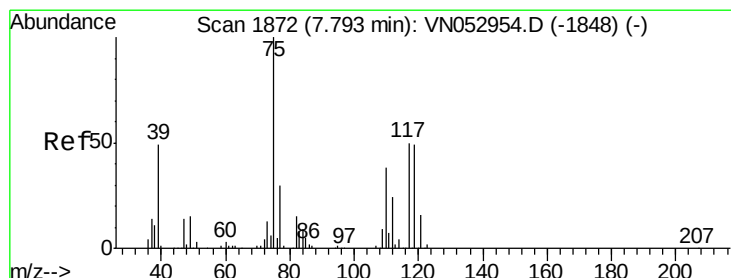
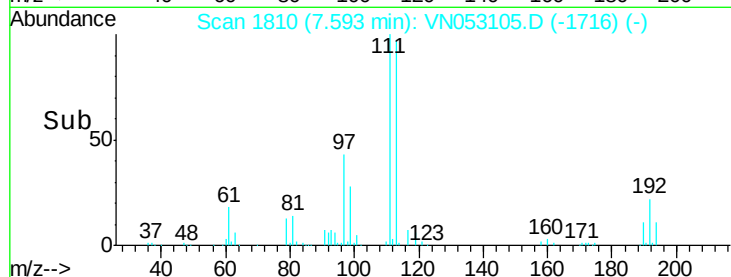
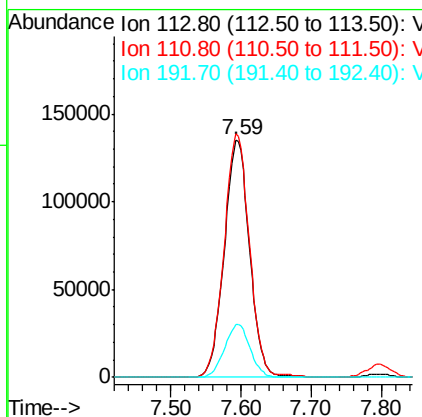
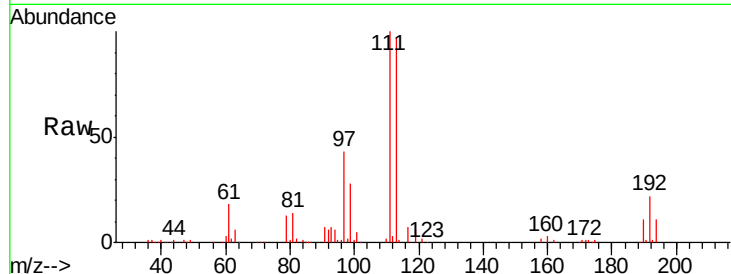
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	339425		
111	101.9	83.0	124.4	
192	22.4	17.5	26.3	

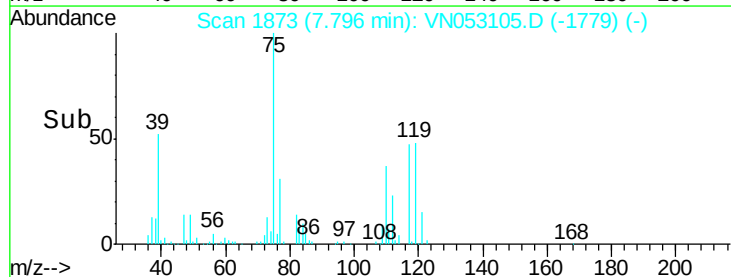
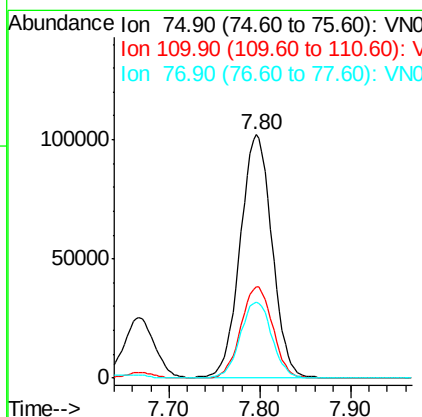
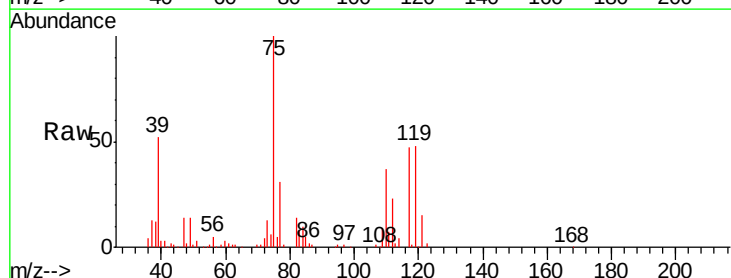
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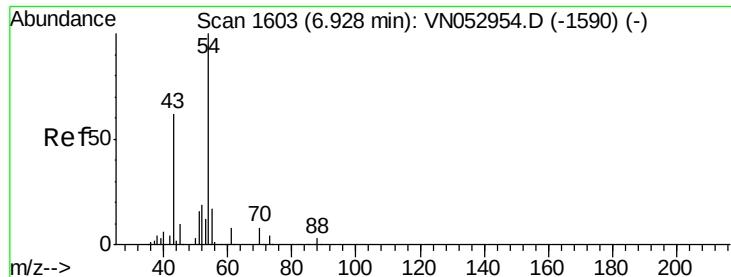
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#36
 1,1-Dichloropropene
 Concen: 18.550 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	247994		
110	37.4	18.2	54.6	
77	31.1	24.9	37.3	





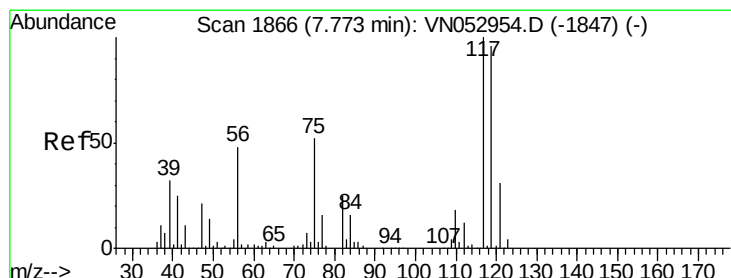
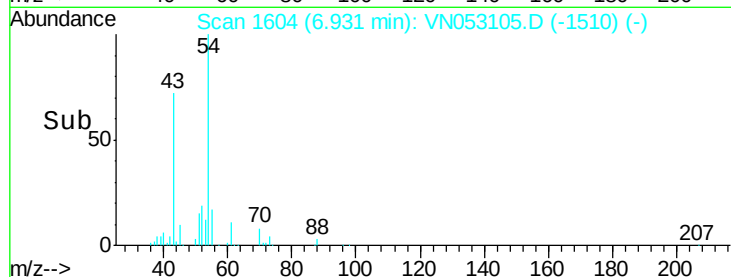
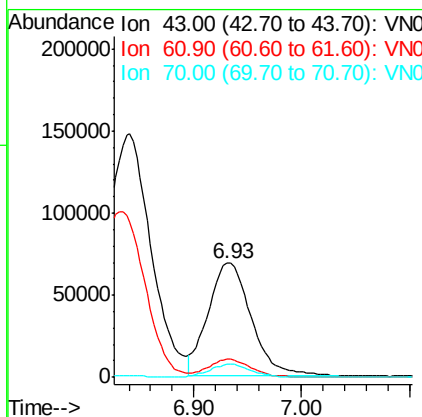
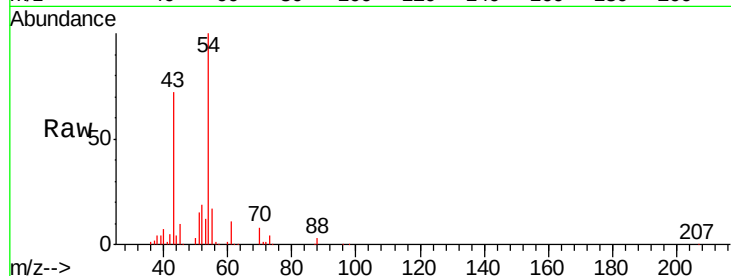
#37
Ethyl Acetate
Concen: 25.703 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.2	8.4	12.6

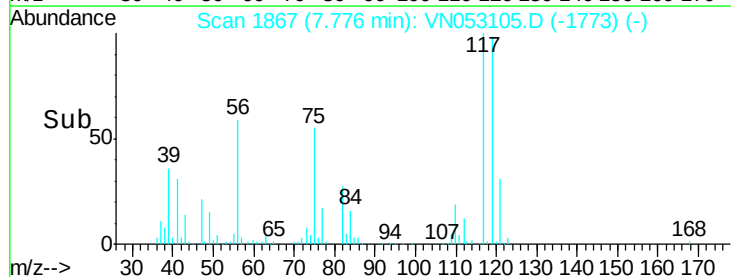
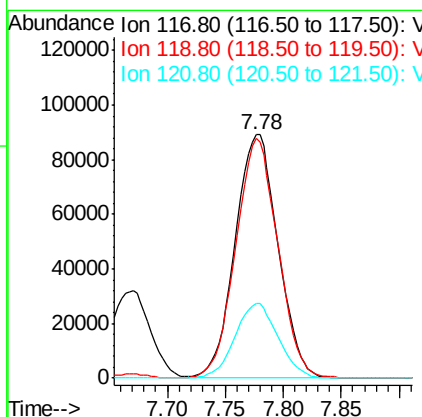
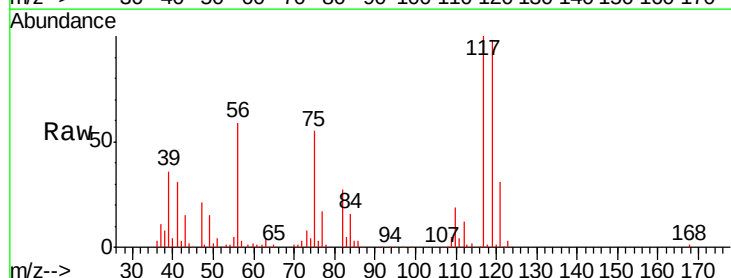
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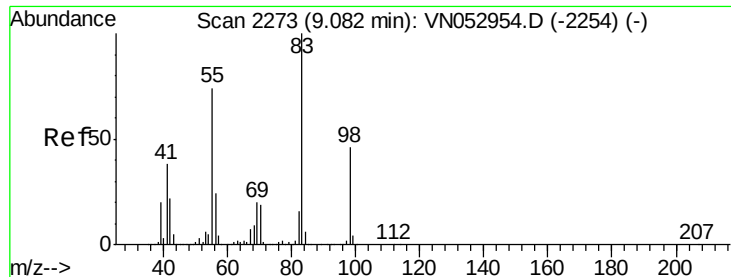
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#38
Carbon Tetrachloride
Concen: 18.578 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.1	115.7
121	31.0	24.9	37.3





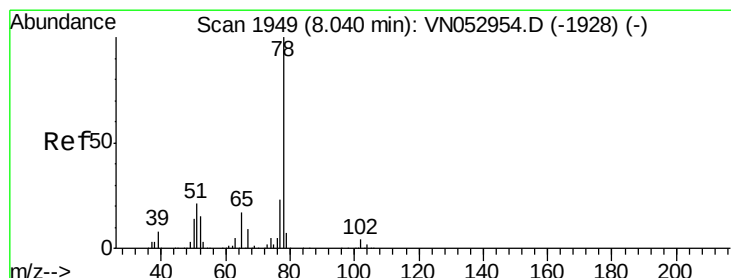
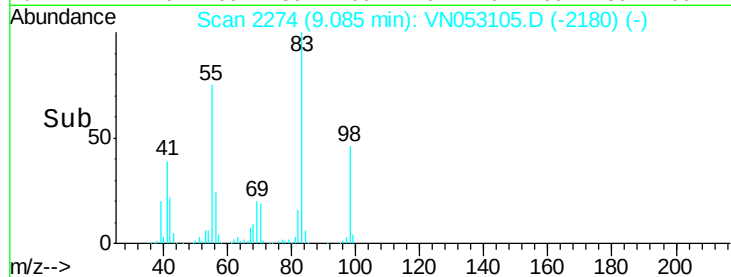
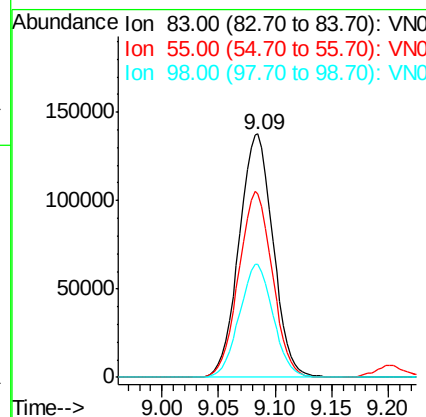
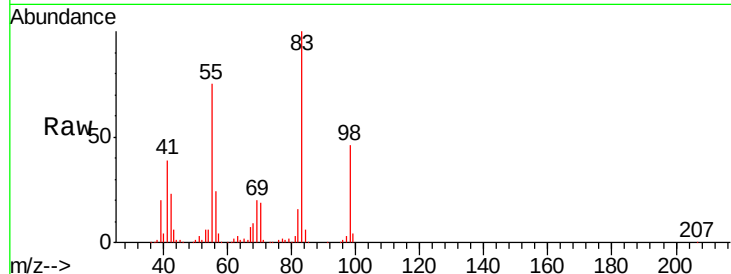
#39
Methylcyclohexane
Concen: 17.745 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	75.4	61.3	91.9
98	46.2	37.0	55.4

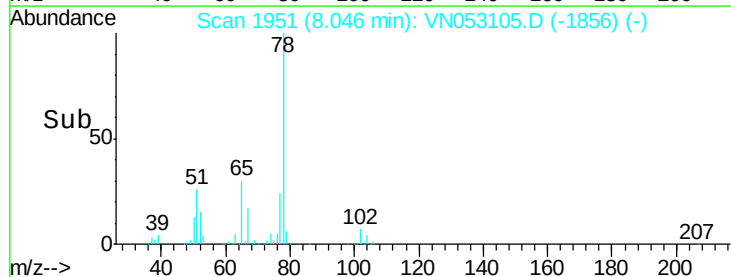
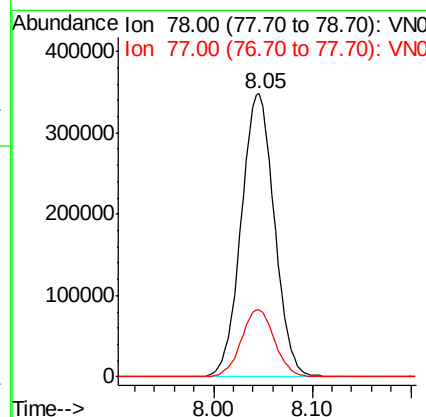
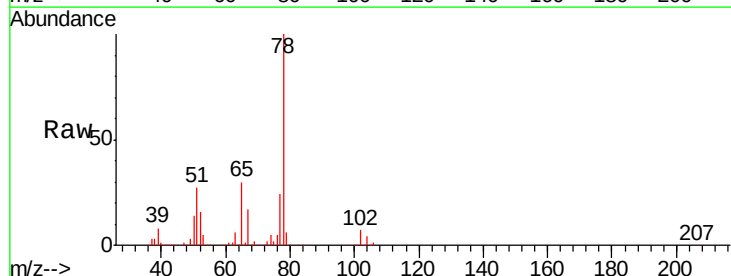
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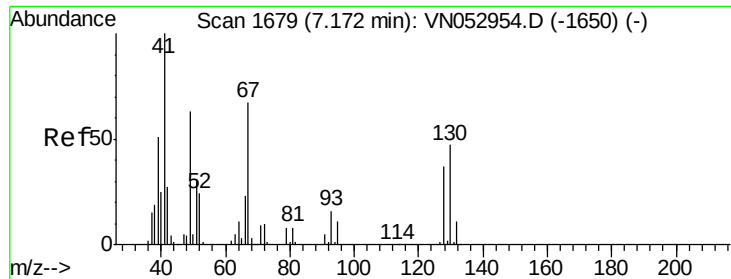
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#40
Benzene
Concen: 20.378 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.01 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.7	18.5	27.7





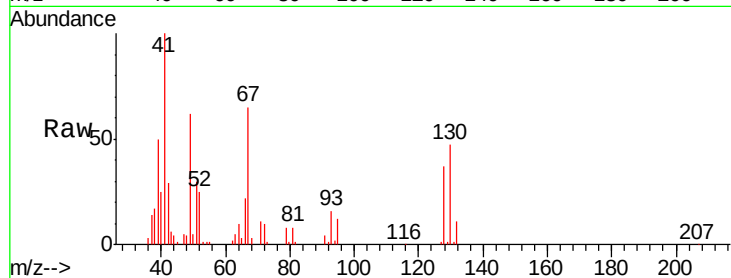
#41
Methacrylonitrile
Concen: 25.927 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.0	72.0
67	81.3	70.3	105.5
52	33.6	26.9	40.3

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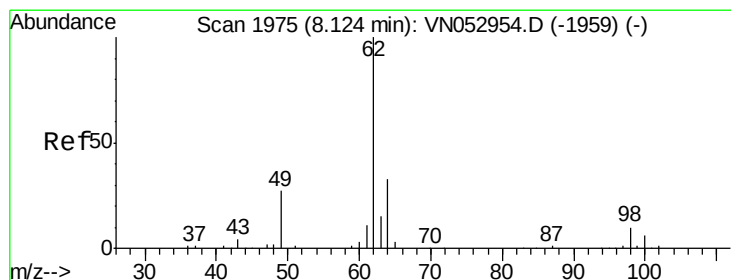
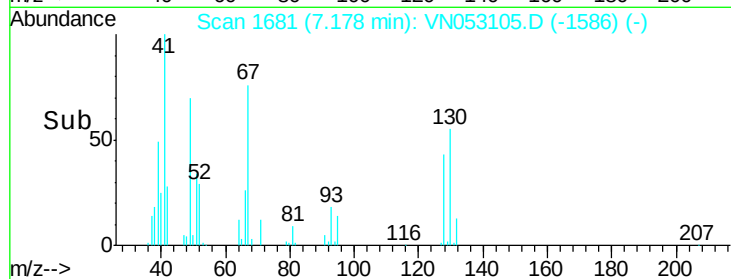
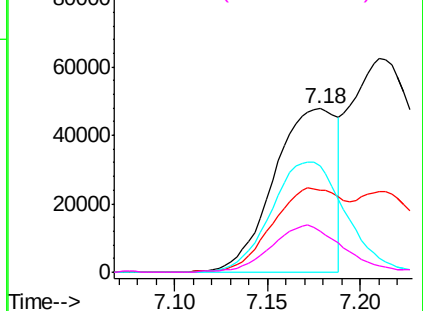


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN052954.D (-1650) (-)

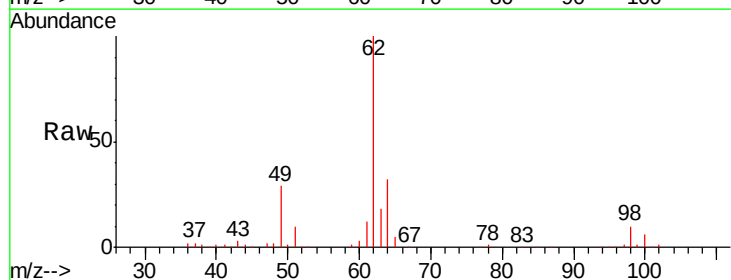
Ion 67.00 (66.70 to 67.70): VN052954.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-1650) (-)



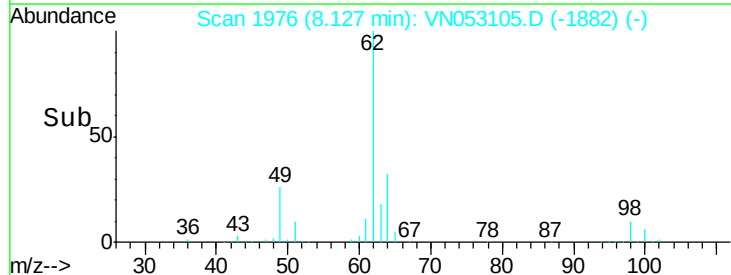
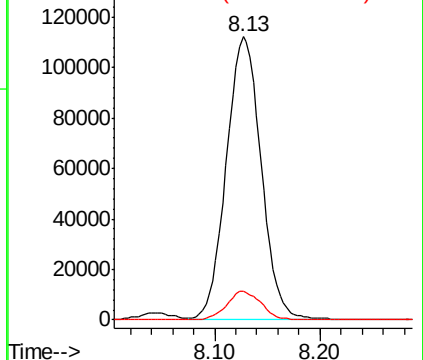
#42
1,2-Dichloroethane
Concen: 21.788 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

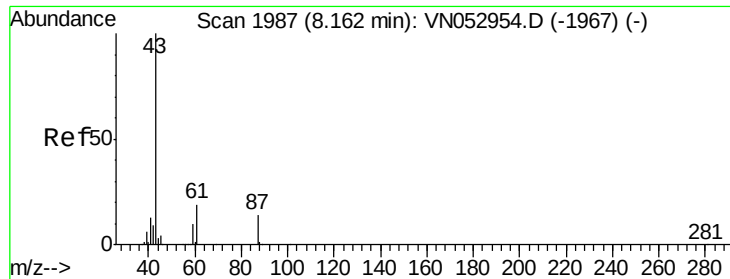
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN052954.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1959) (-)





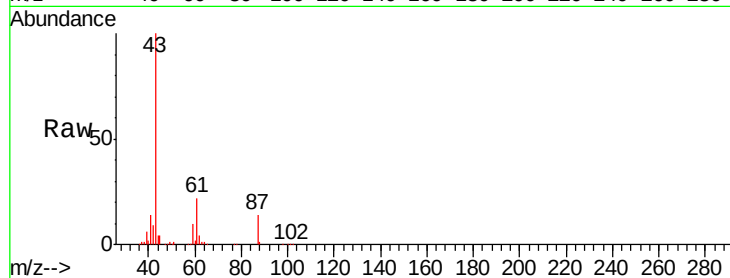
#43
Isopropyl Acetate
Concen: 23.911 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

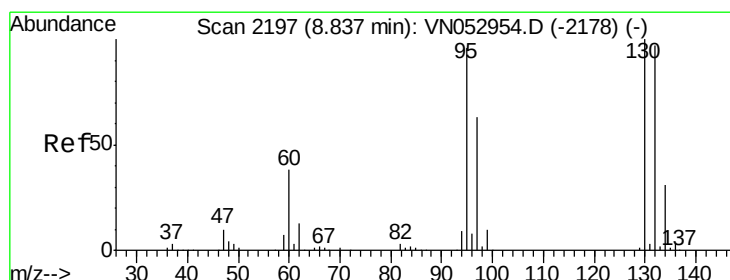
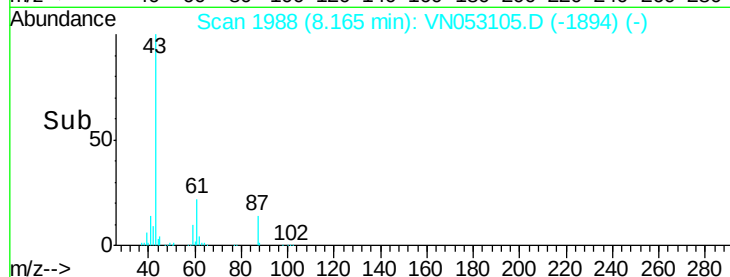
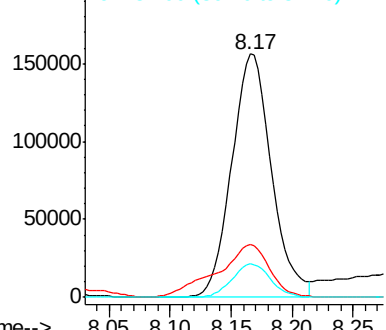
Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.9	34.3
87	13.3	10.6	15.8

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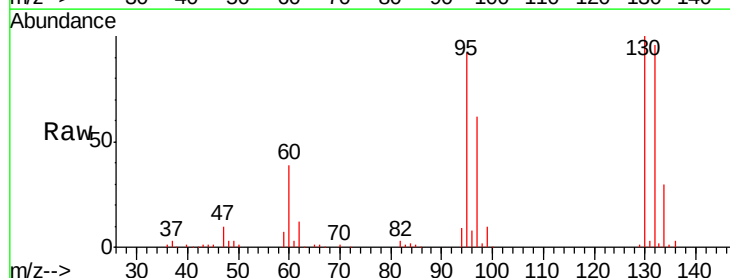


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

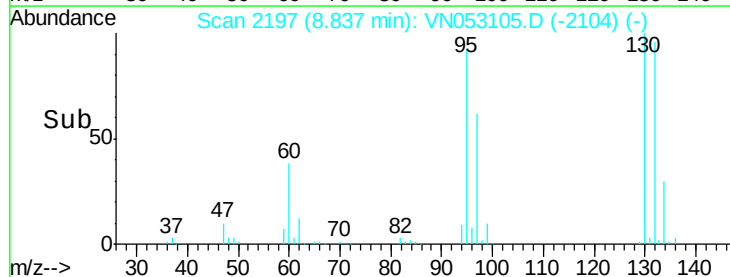
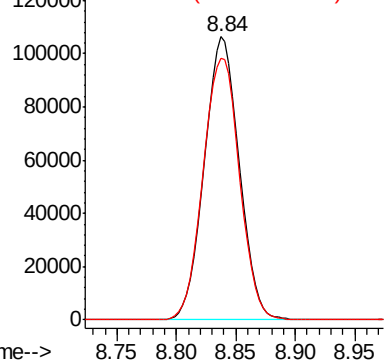


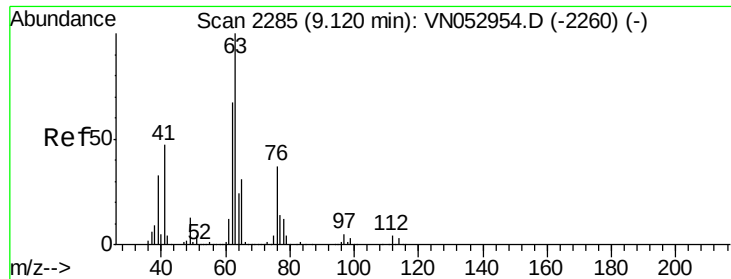
#44
Trichloroethene
Concen: 18.831 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)





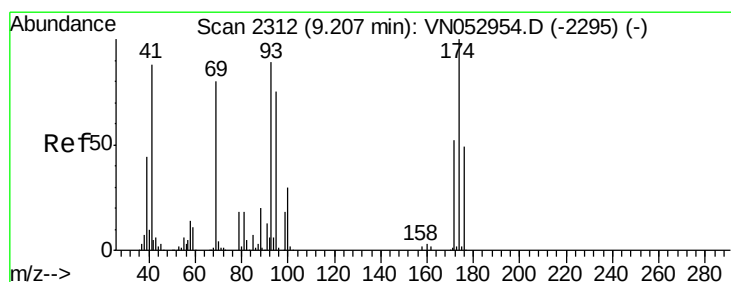
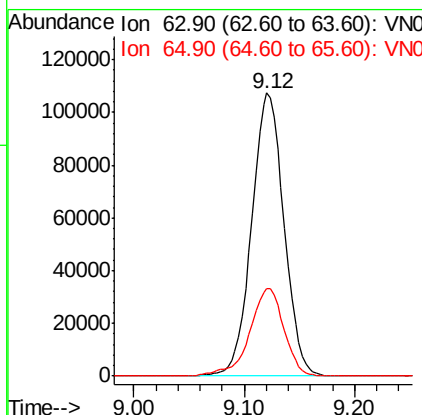
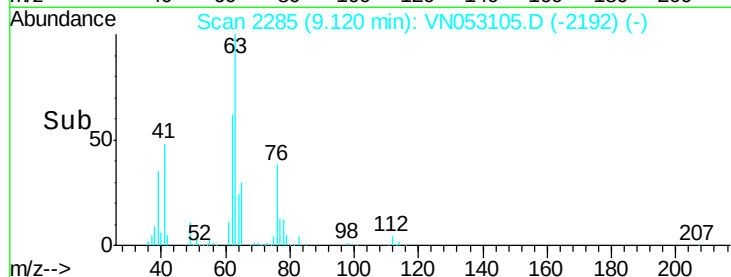
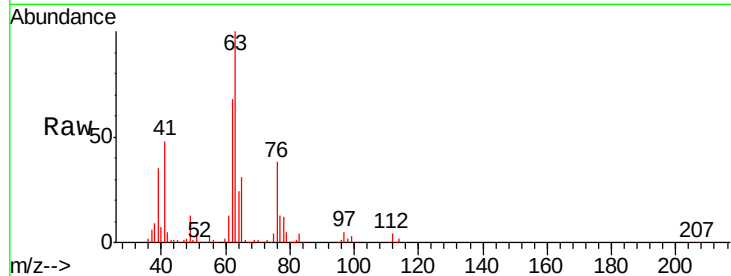
#45
 1,2-Dichloropropane
 Concen: 20.996 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion: 63 Resp: 217479
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0

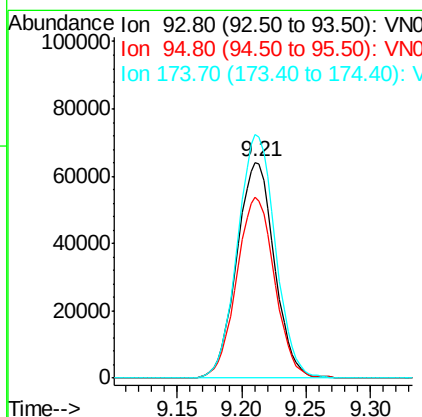
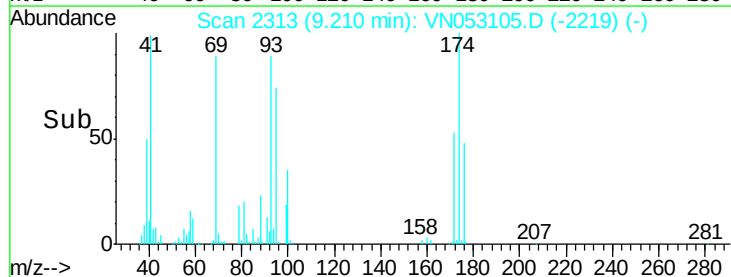
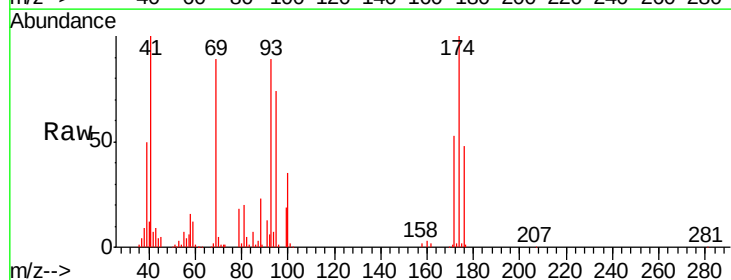
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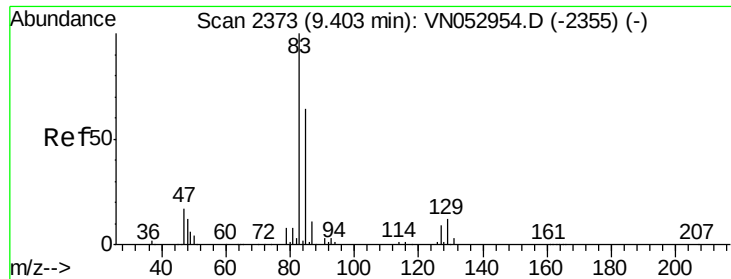
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#46
 Dibromomethane
 Concen: 21.591 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion: 93 Resp: 130282
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.8 101.6
 174 113.7 89.0 133.4





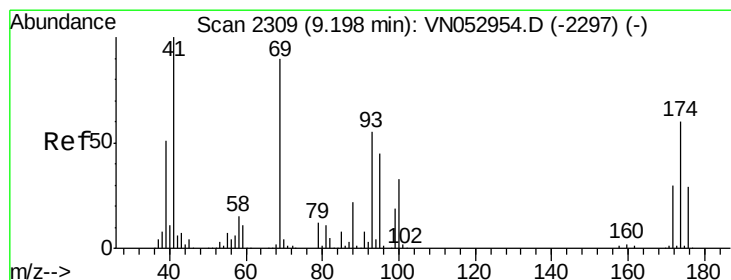
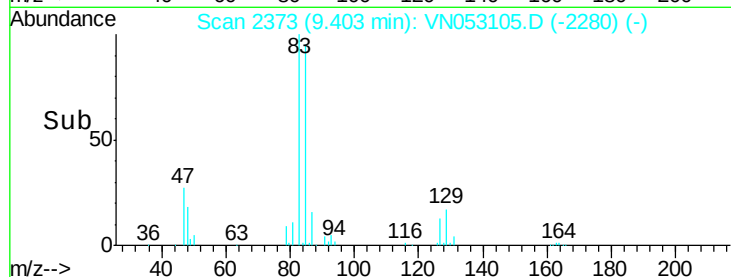
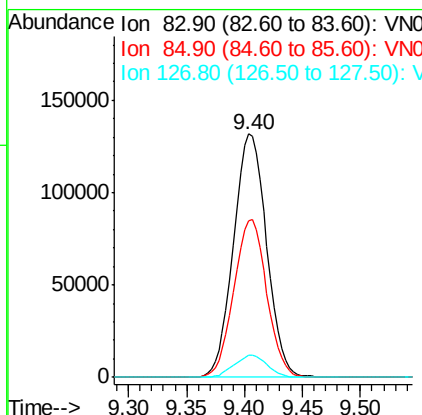
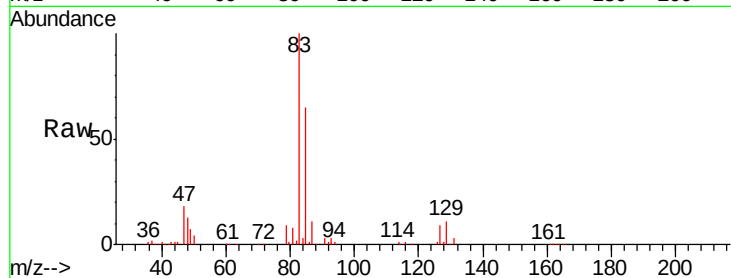
#47
Bromodichloromethane
Concen: 20.344 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampled :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	9.0	7.1	10.7

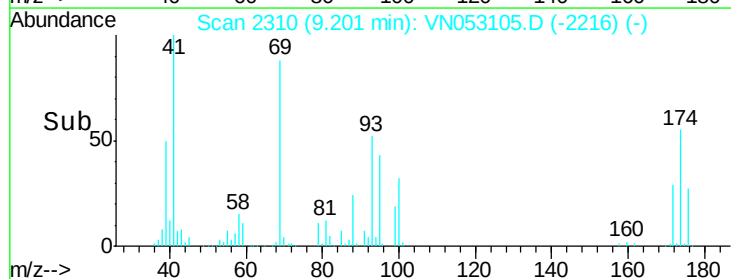
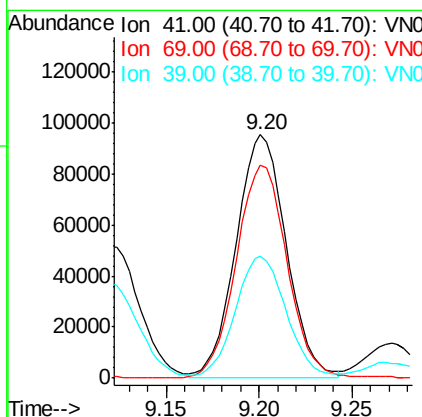
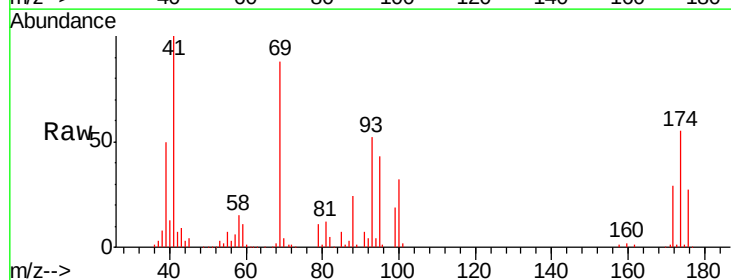
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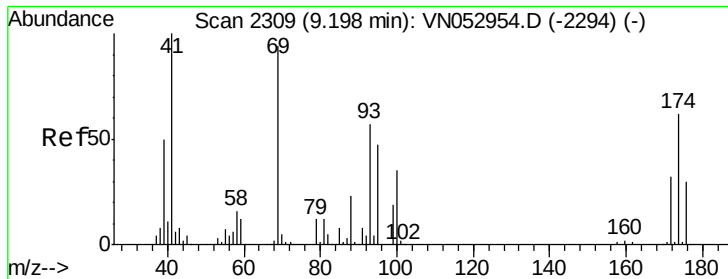
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#48
Methyl methacrylate
Concen: 24.820 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	72.2	108.2
39	50.9	41.9	62.9





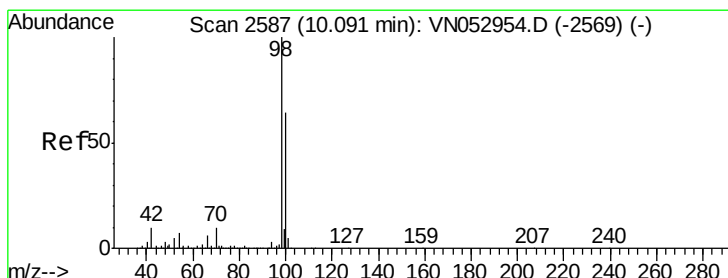
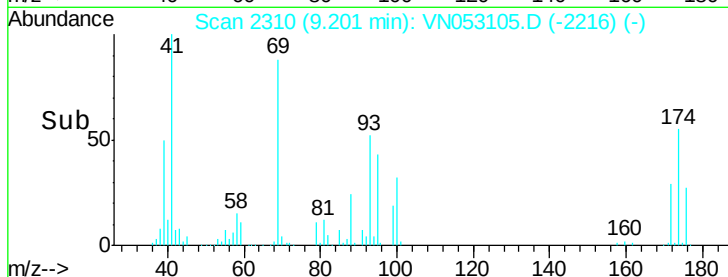
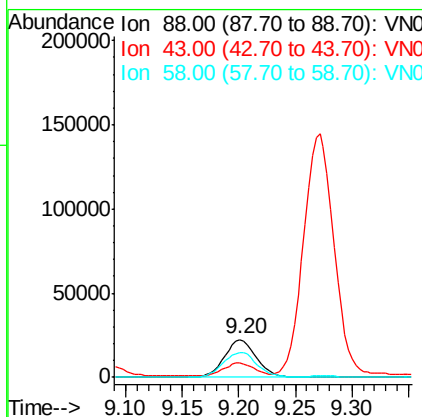
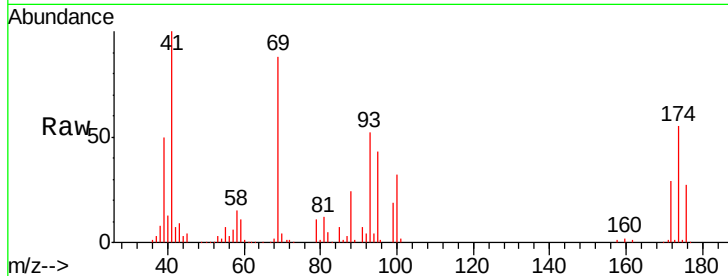
#49
1,4-Dioxane
Concen: 483.301 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion: 88 Resp: 44276
Ion Ratio Lower Upper
88 100
43 34.0 26.6 40.0
58 70.2 58.4 87.6

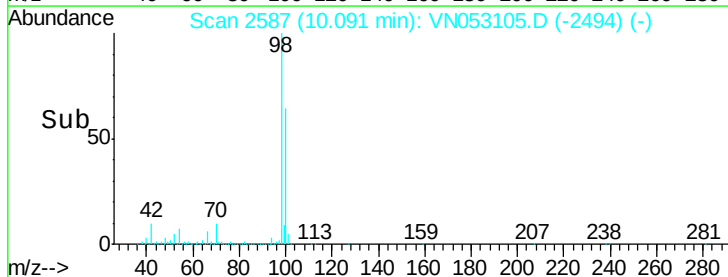
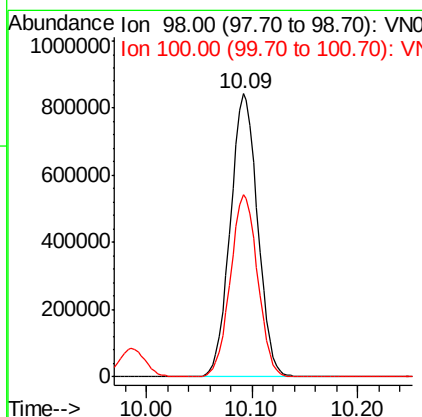
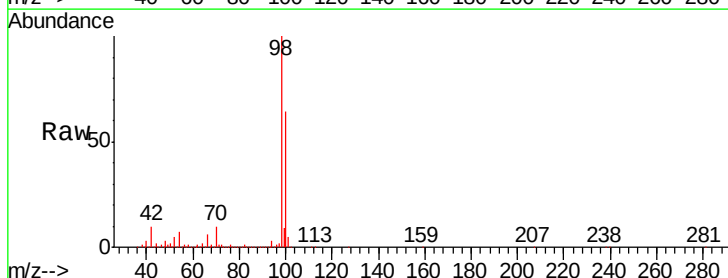
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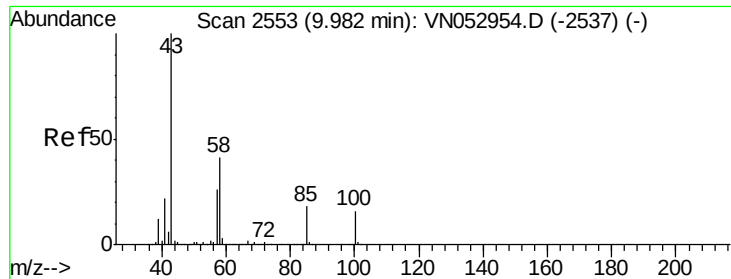
MMDadoda
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#50
Toluene-d8
Concen: 483.301 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 98 Resp: 1510284
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 133.989 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 43 Resp: 968439

Ion Ratio Lower Upper

43 100

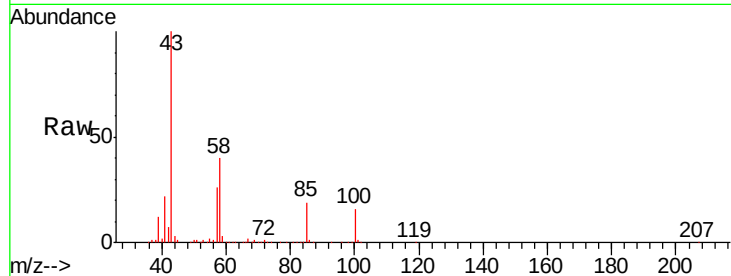
58 40.8 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

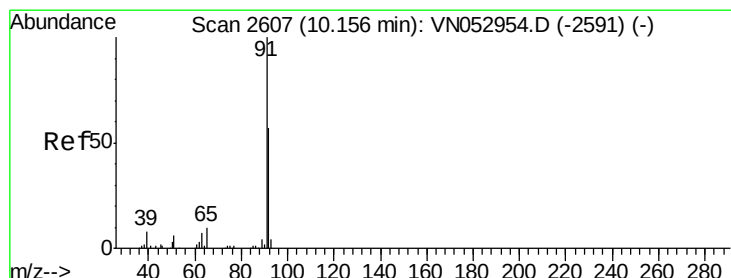
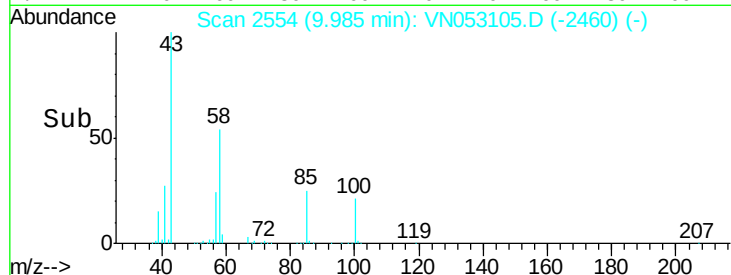
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 20.325 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053105.D

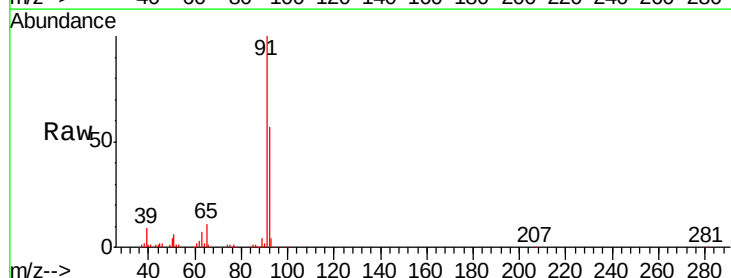
Acq: 21 Dec 2018 16:39

Tgt Ion: 92 Resp: 500987

Ion Ratio Lower Upper

92 100

91 174.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

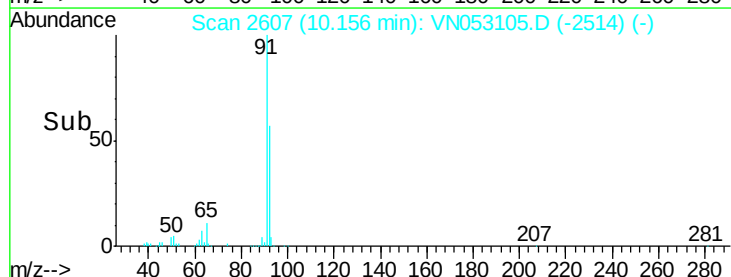
100000

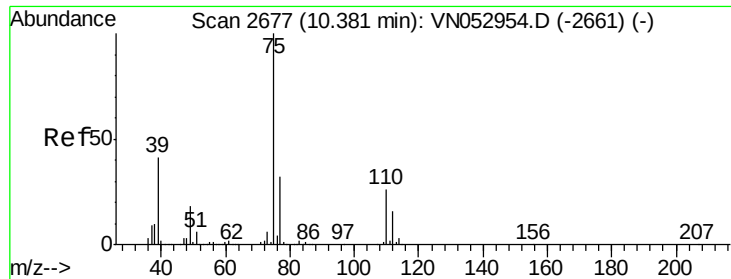
0

10.10

10.20

Time-->





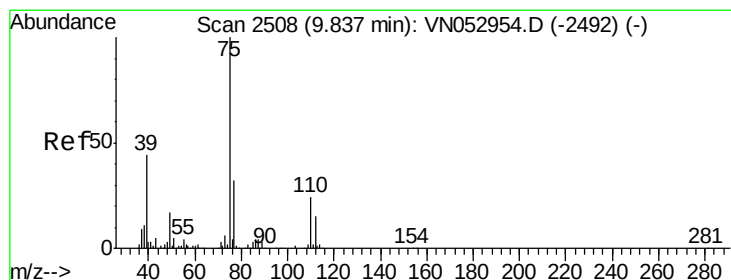
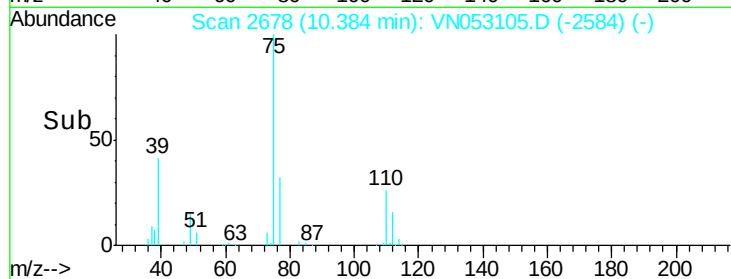
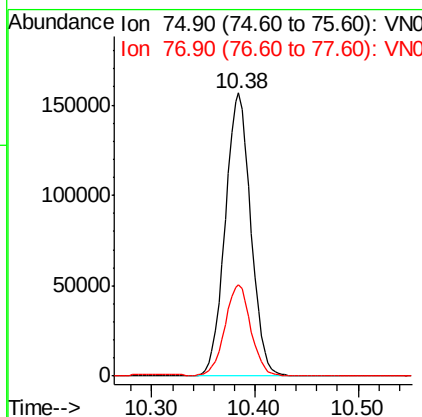
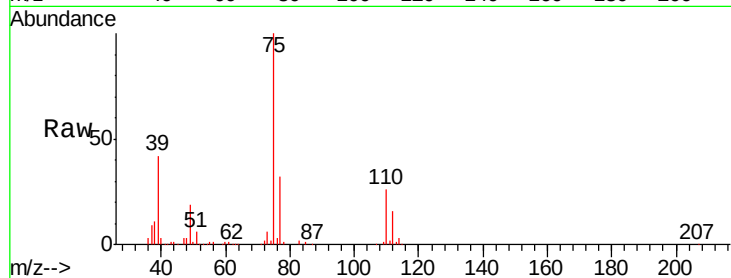
#53
t-1,3-Dichloropropene
Concen: 20.125 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion: 75 Resp: 271436
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

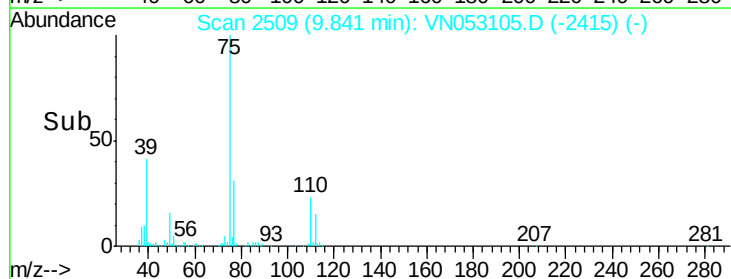
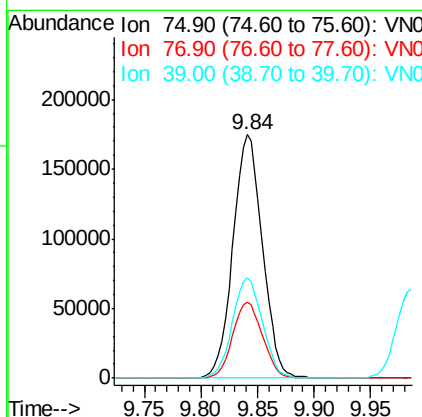
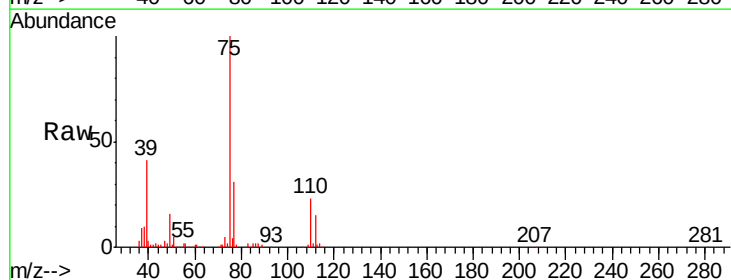
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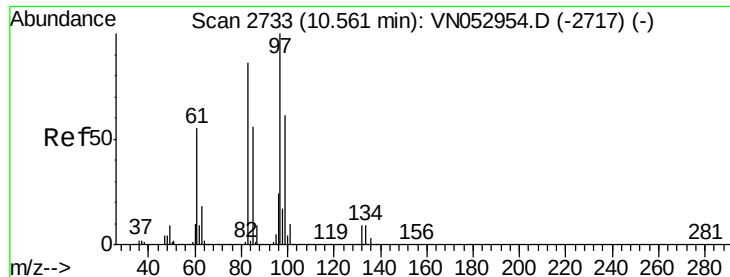
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#54
cis-1,3-Dichloropropene
Concen: 20.473 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 75 Resp: 316951
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 40.9 34.8 52.2





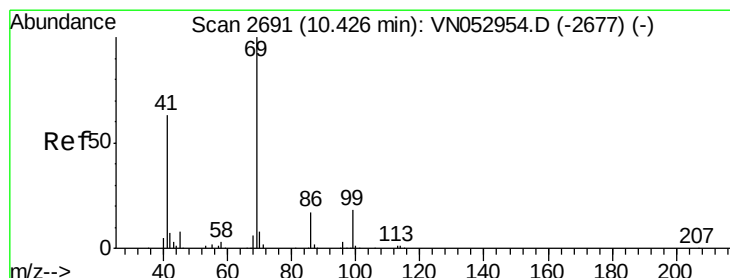
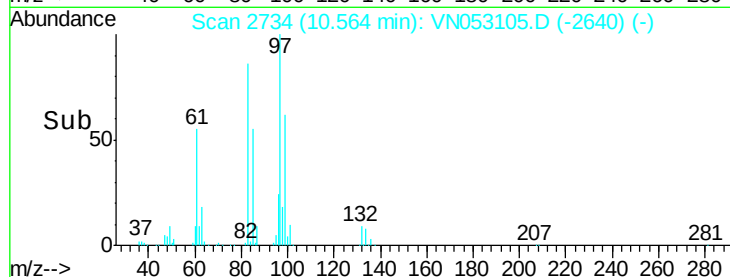
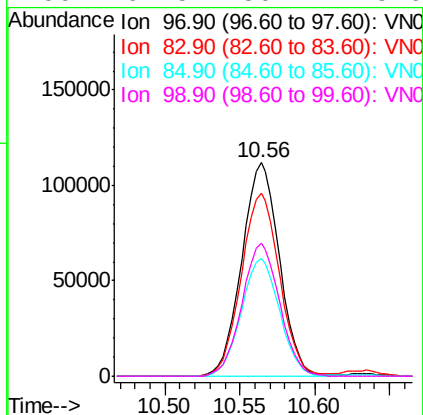
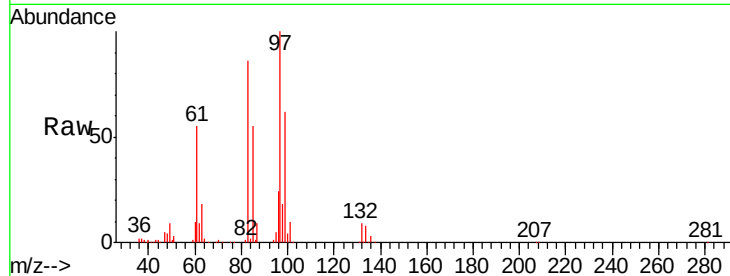
#55
 1,1,2-Trichloroethane
 Concen: 22.804 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.9	106.3
85	55.1	45.4	68.2
99	62.5	50.4	75.6

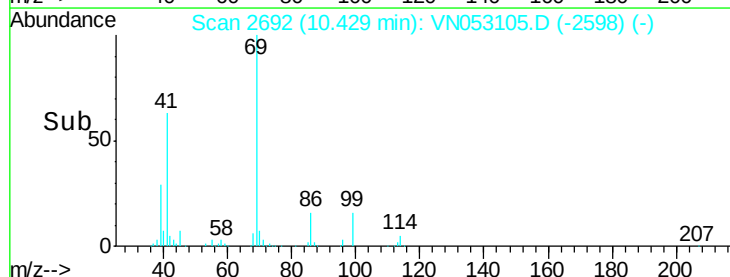
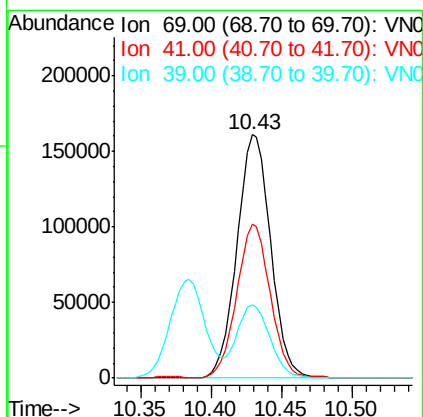
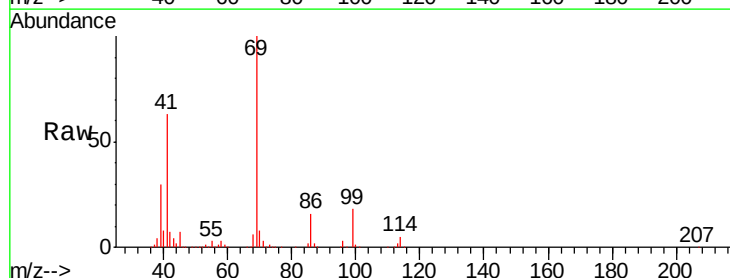
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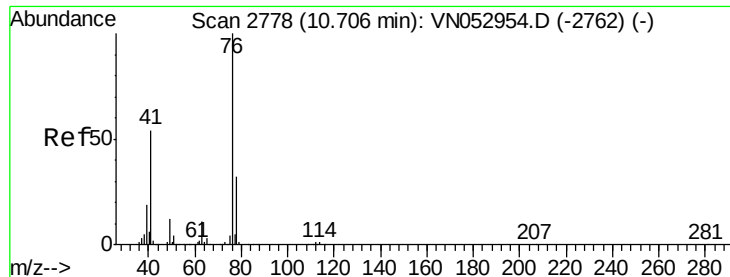
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#56
 Ethyl methacrylate
 Concen: 23.802 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	30.0	24.6	37.0





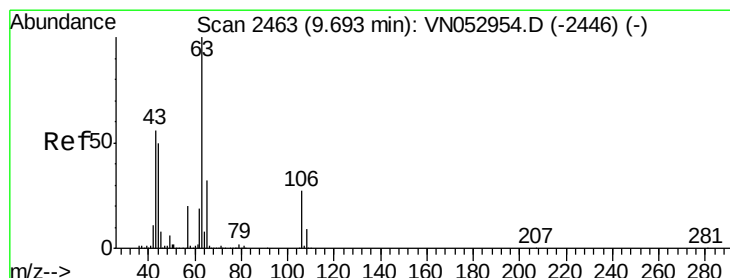
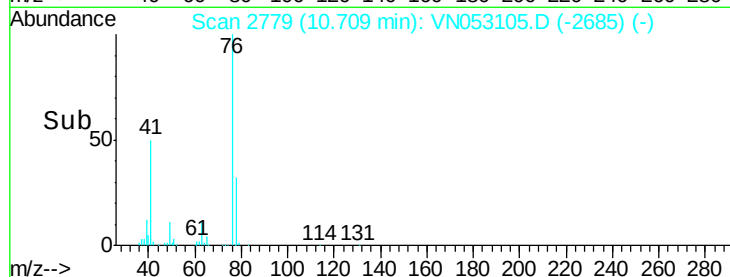
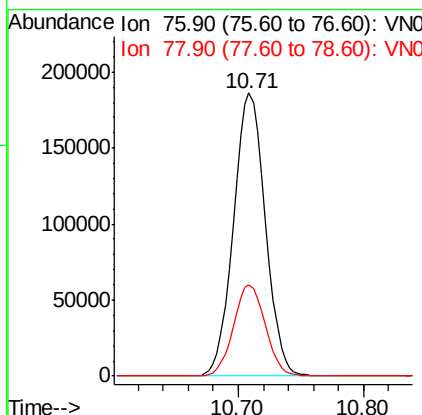
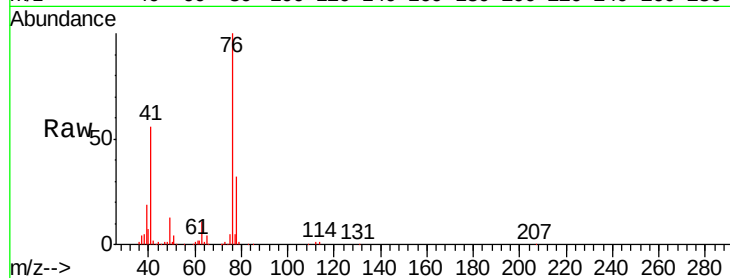
#57
 1,3-Dichloropropane
 Concen: 22.273 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion: 76 Resp: 328437
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

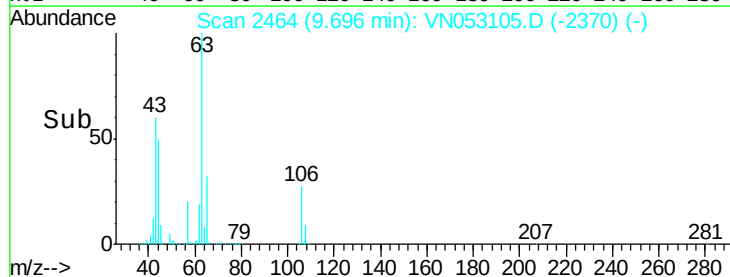
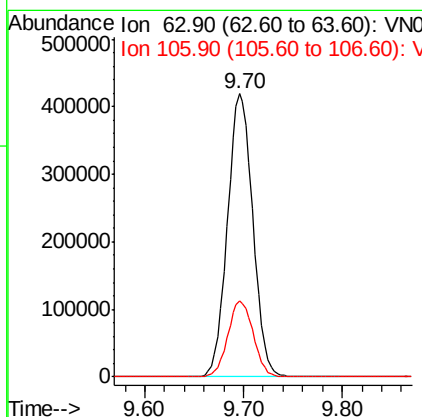
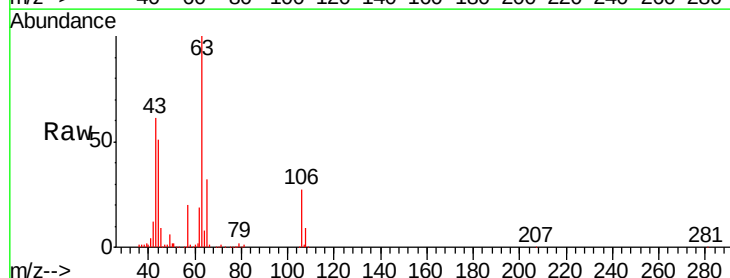
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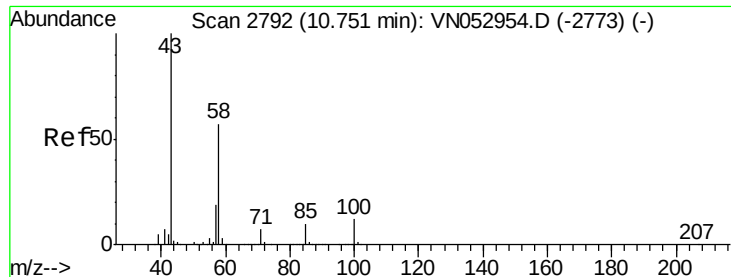
MMDadoda
 12/22/2018 10:06:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.716 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion: 63 Resp: 754299
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.0 31.6





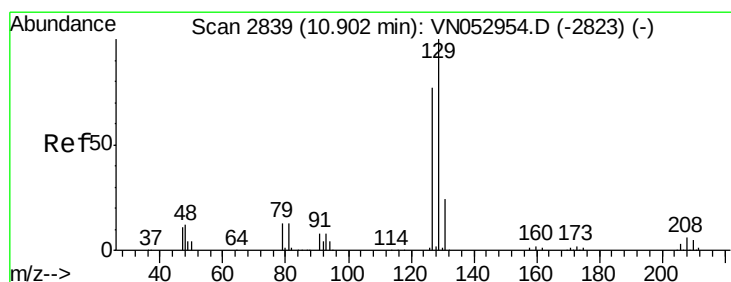
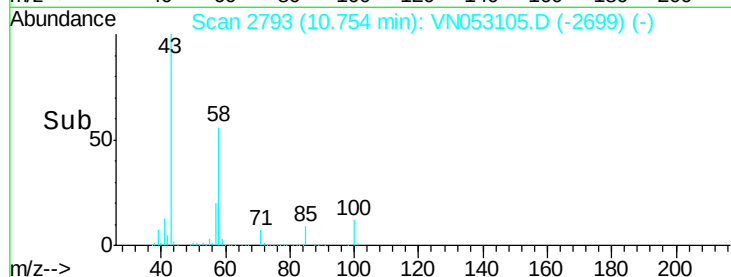
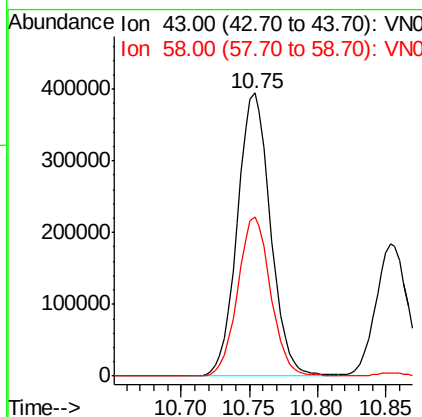
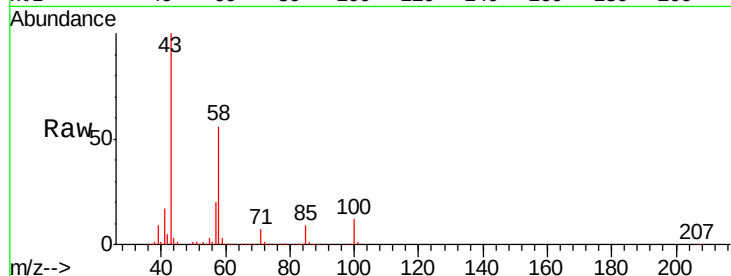
#59
2-Hexanone
Concen: 135.880 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion: 43 Resp: 664475
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.3

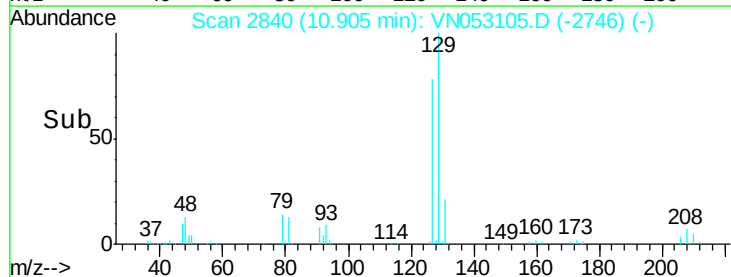
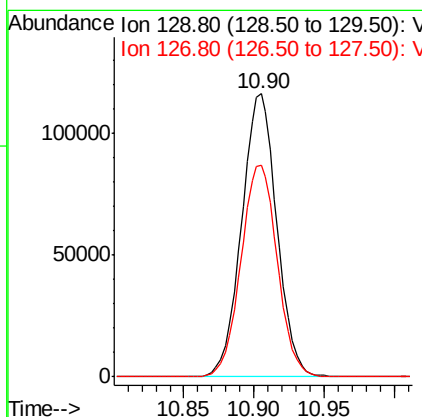
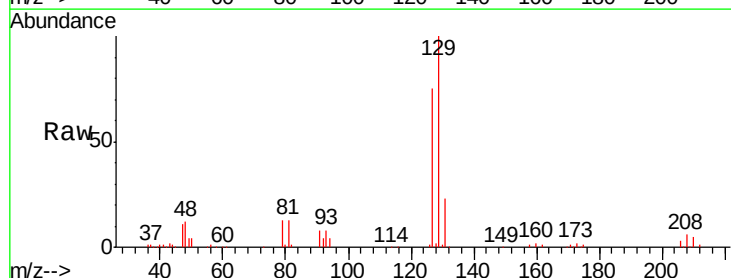
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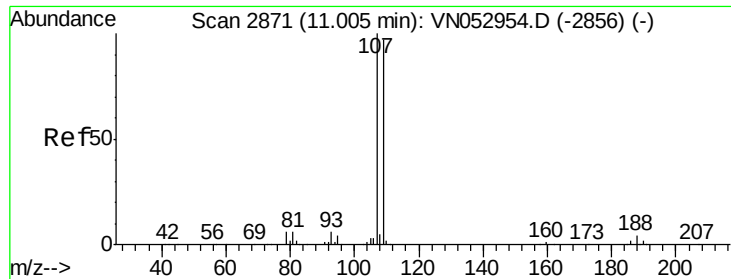
MMDadoda
12/22/2018 10:06:46 AM



#60
Dibromochloromethane
Concen: 20.690 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 129 Resp: 203651
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





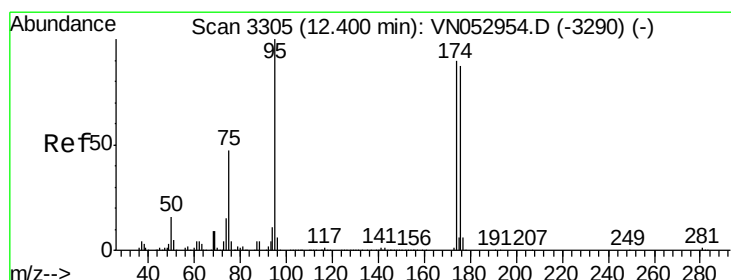
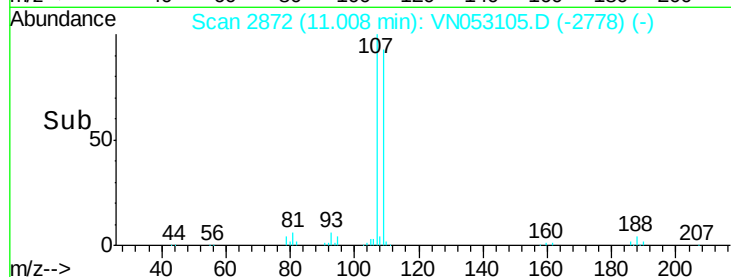
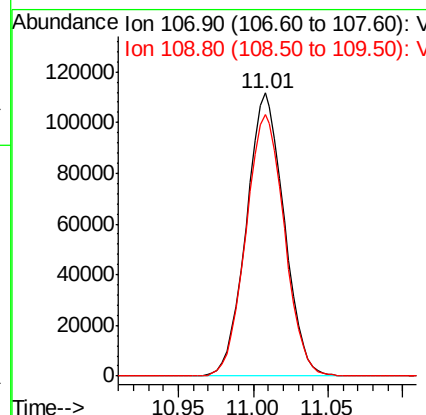
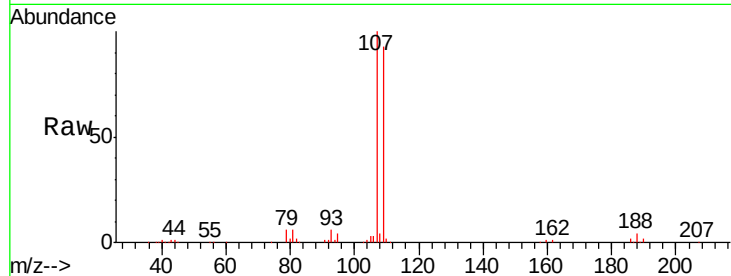
#61
1,2-Dibromoethane
Concen: 22.443 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion: 107 Resp: 196001
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0

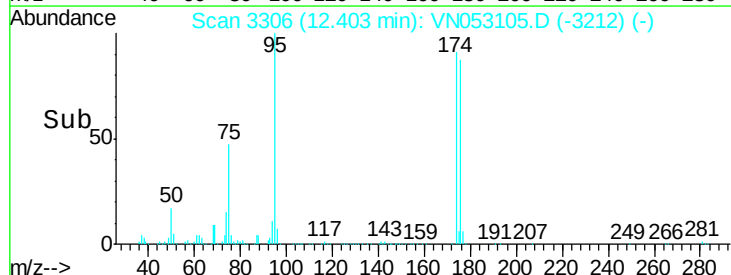
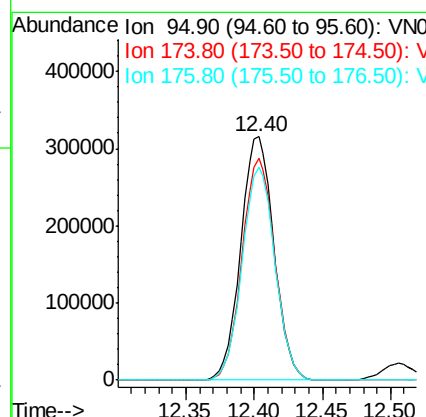
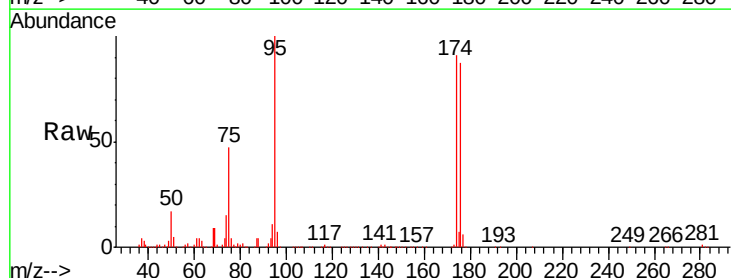
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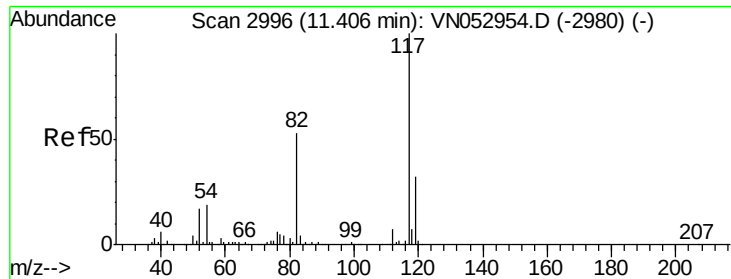
MMDadoda
12/22/2018 10:06:46 AM



#62
4-Bromofluorobenzene
Concen: 22.443 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion: 95 Resp: 531424
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.8
176 86.7 0.0 173.8





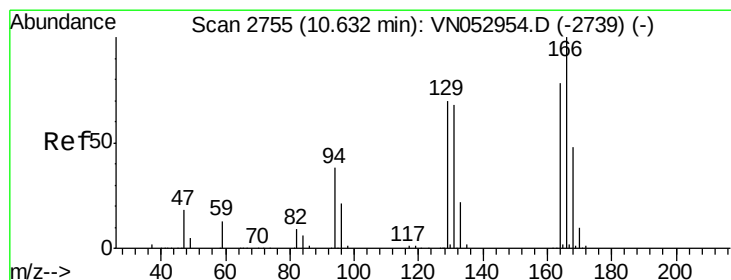
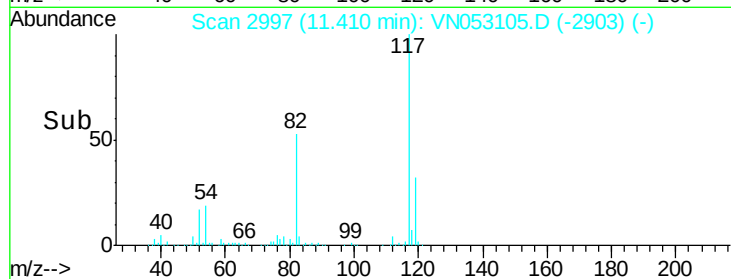
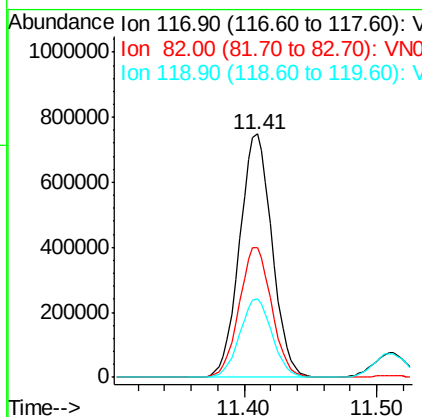
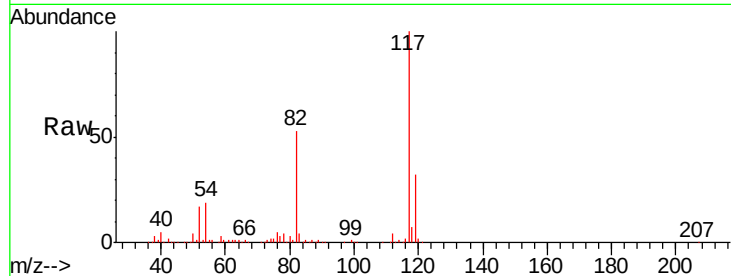
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	32.1	25.5	38.3

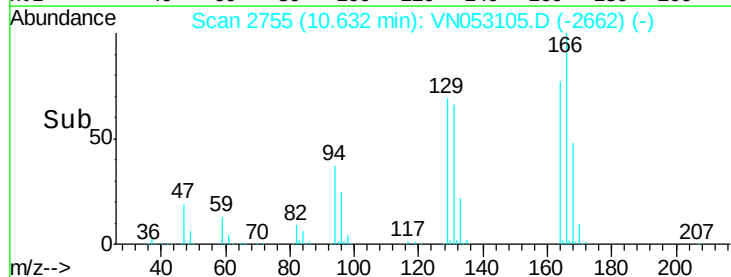
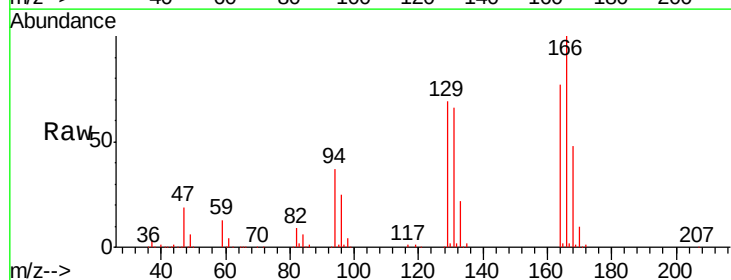
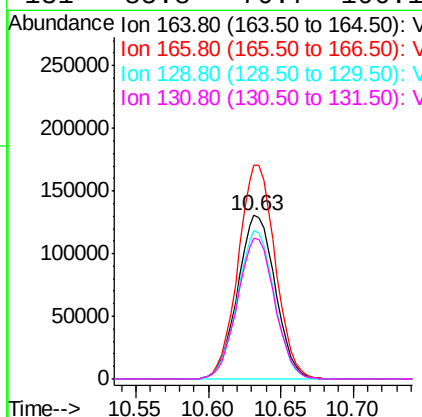
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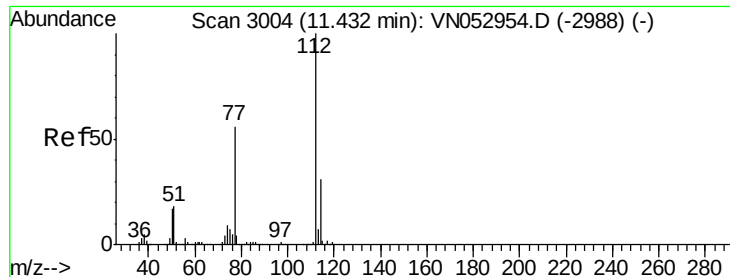
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#64
Tetrachloroethene
Concen: 17.176 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.9	154.3
129	90.5	73.7	110.5
131	85.8	70.7	106.1





#65

Chlorobenzene

Concen: 19.697 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion:112 Resp: 554032

Ion Ratio Lower Upper

112 100

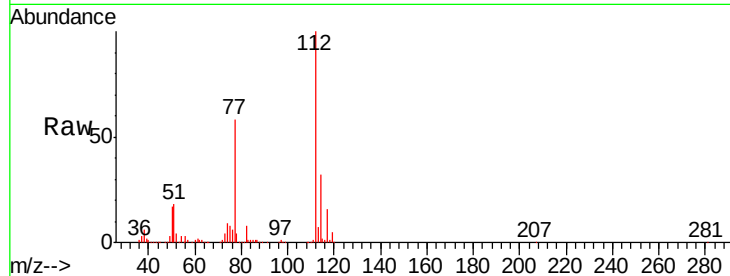
114 32.1 25.5 38.3

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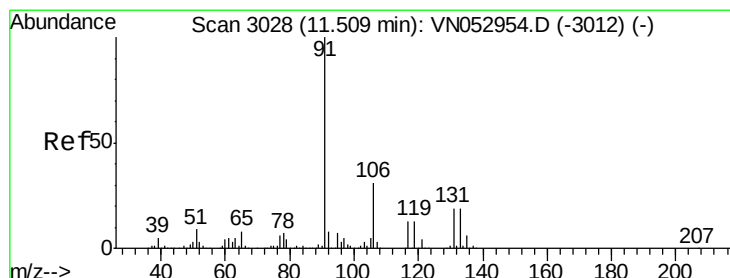
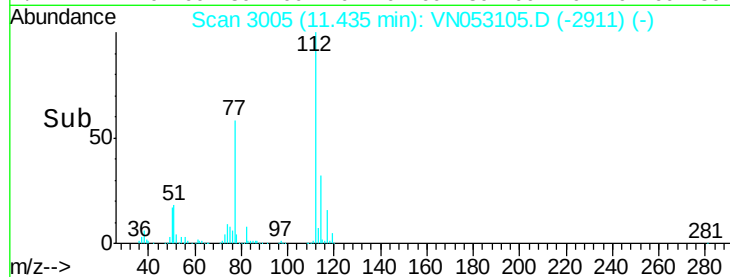
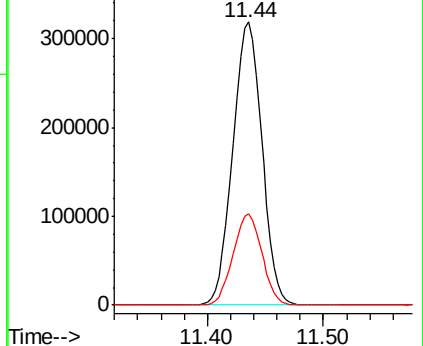
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.836 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

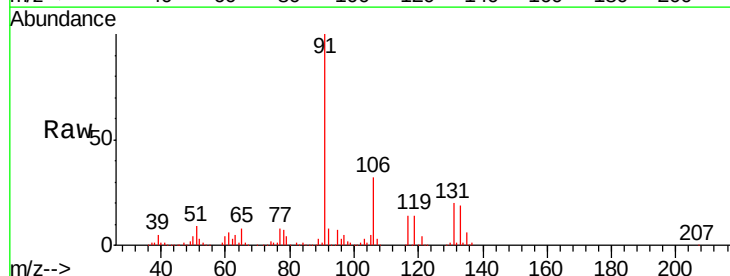
Tgt Ion:131 Resp: 194030

Ion Ratio Lower Upper

131 100

133 95.0 47.6 142.9

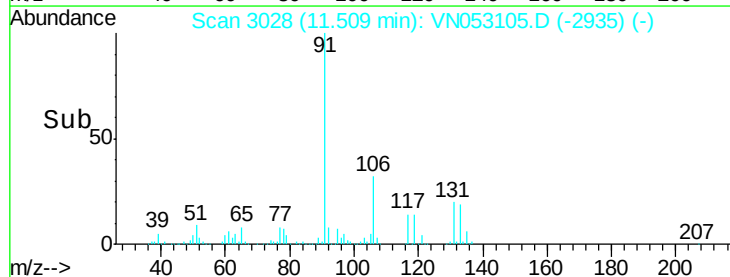
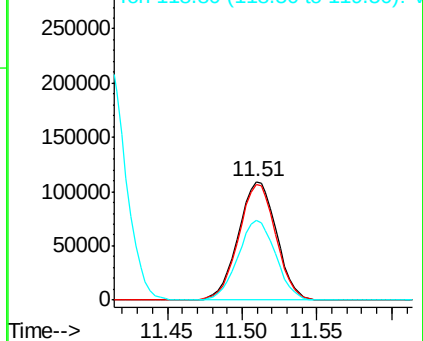
119 66.7 33.3 99.8

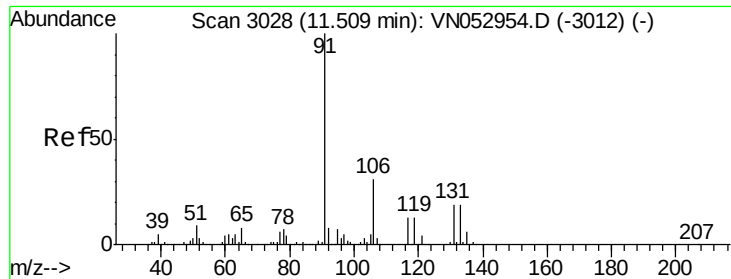


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.325 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 91 Resp: 934820

Ion Ratio Lower Upper

91 100

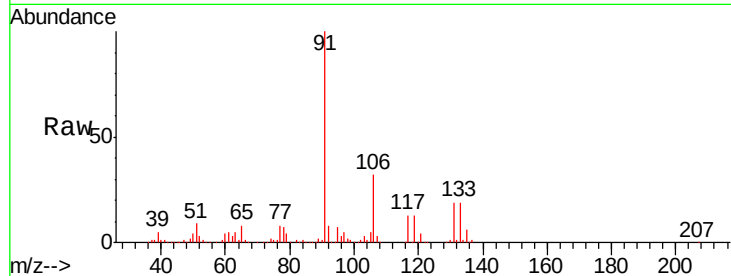
106 31.8 24.9 37.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052954.D (-3012) (-)

800000

600000

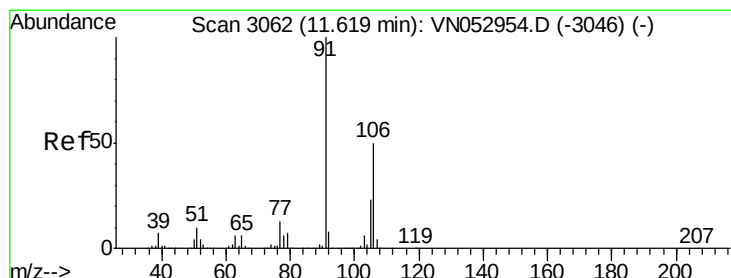
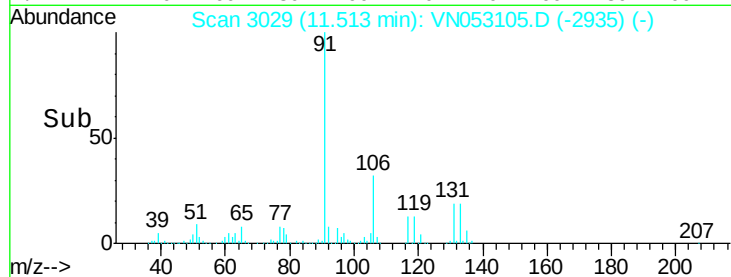
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 39.270 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053105.D

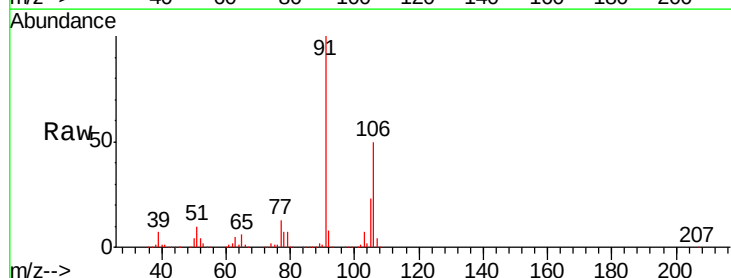
Acq: 21 Dec 2018 16:39

Tgt Ion: 106 Resp: 722149

Ion Ratio Lower Upper

106 100

91 199.9 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052954.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-3046) (-)

800000

600000

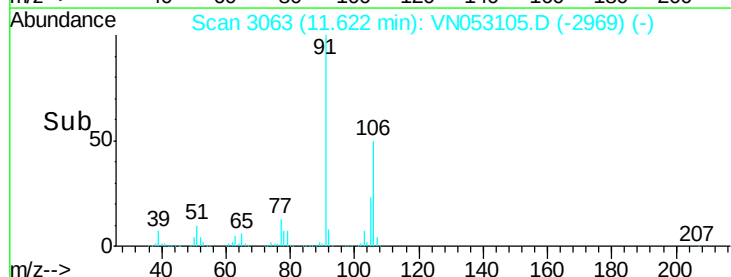
400000

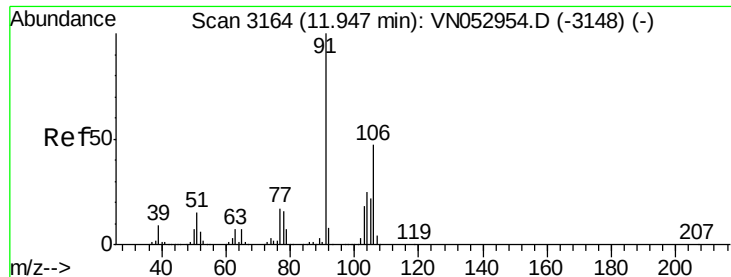
200000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





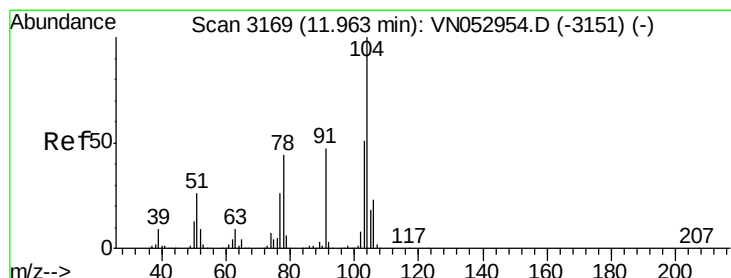
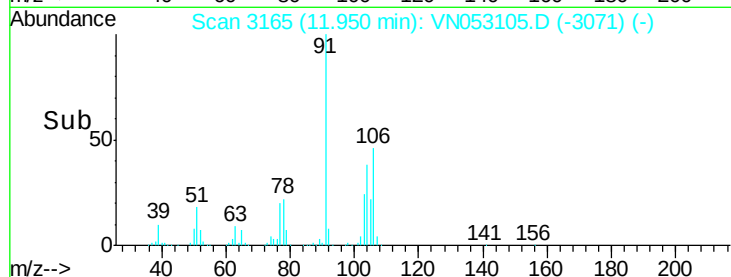
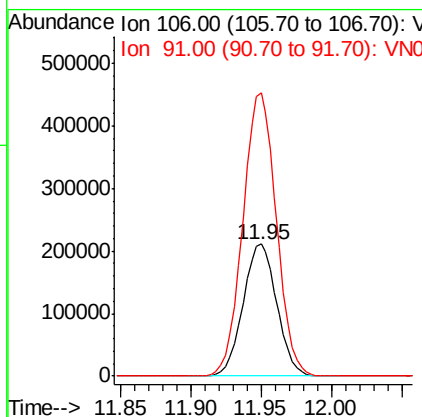
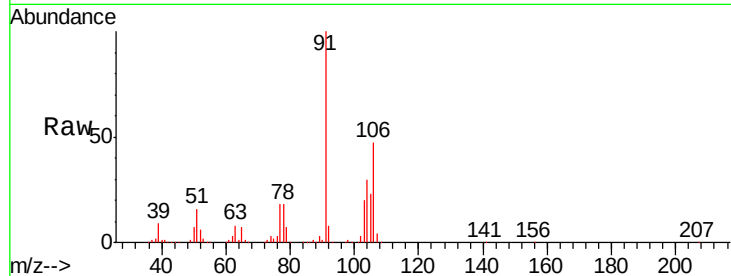
#69
o-Xylene
Concen: 20.017 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion:106 Resp: 353219
Ion Ratio Lower Upper
106 100
91 213.0 106.6 319.8

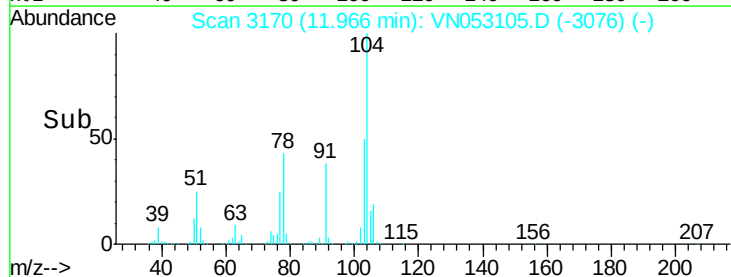
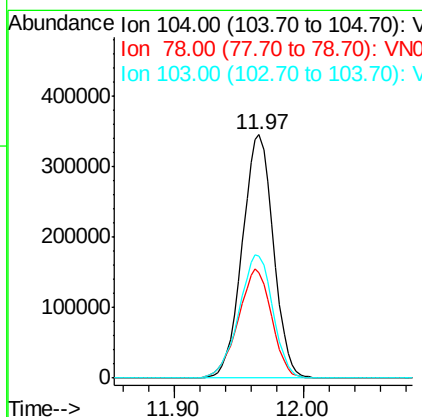
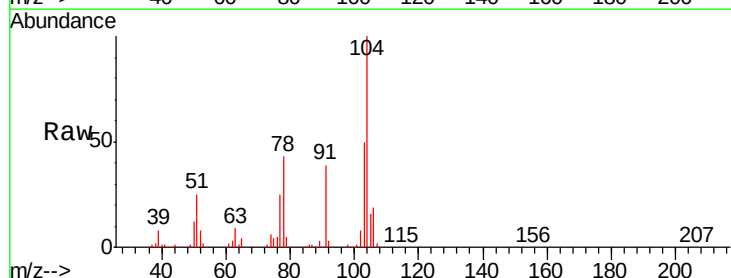
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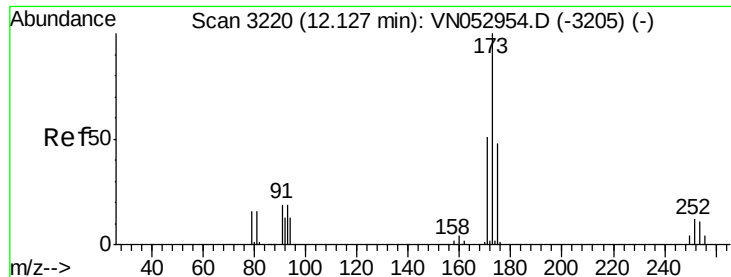
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#70
Styrene
Concen: 20.137 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion:104 Resp: 579422
Ion Ratio Lower Upper
104 100
78 48.1 38.9 58.3
103 55.2 44.3 66.5





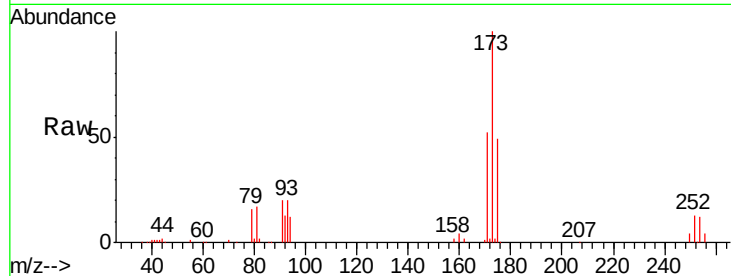
#71
Bromoform
Concen: 20.200 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

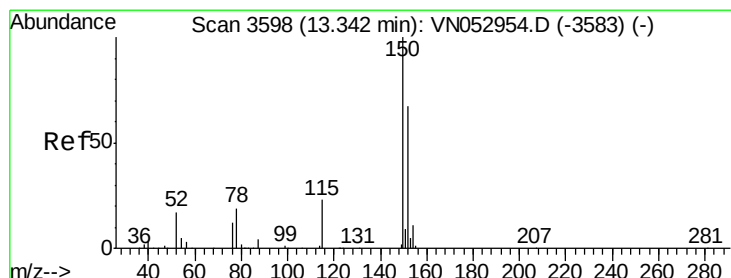
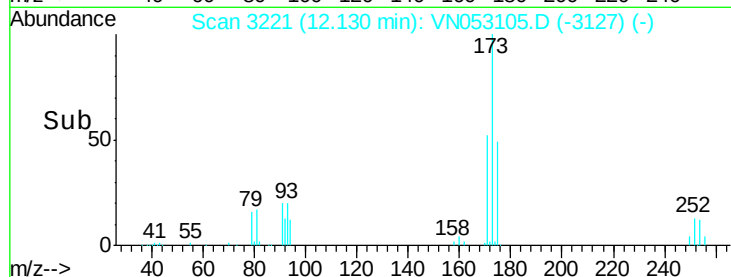
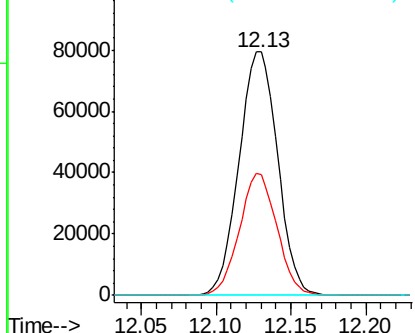
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.0	0.1	0.1#

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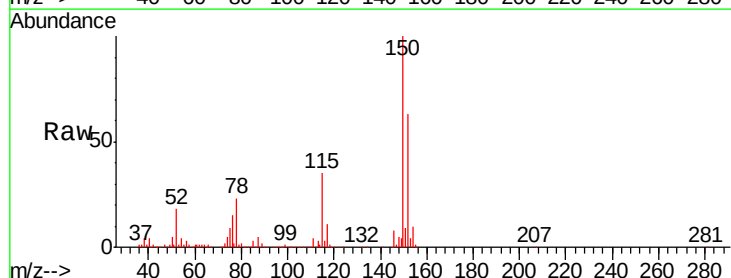


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

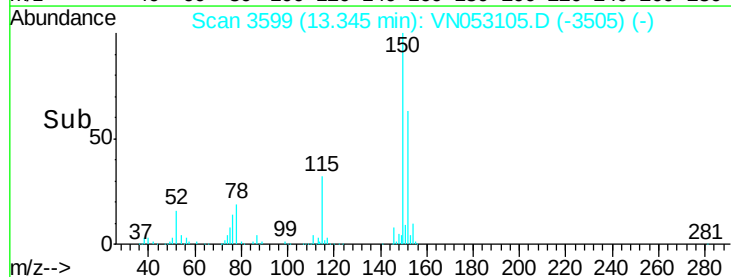
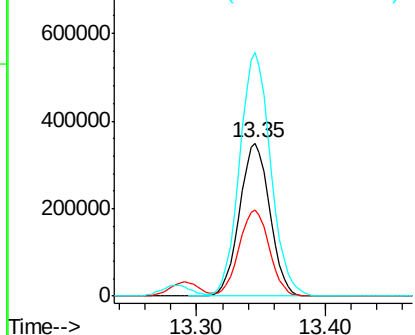


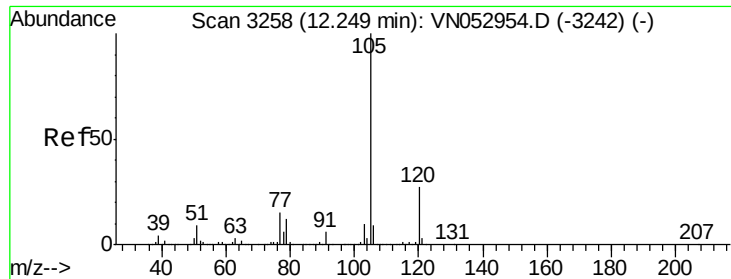
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	164.0	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





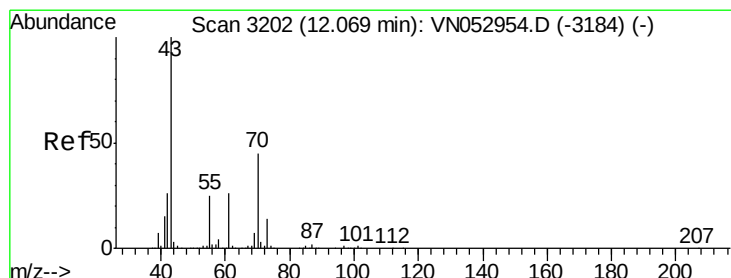
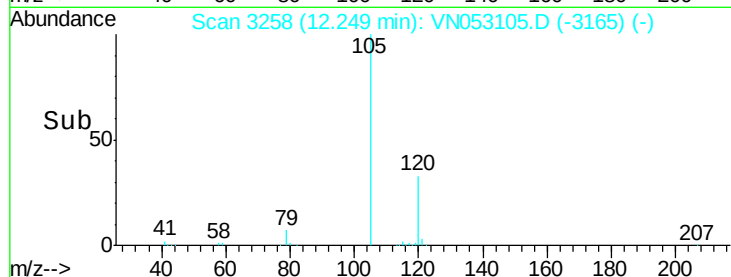
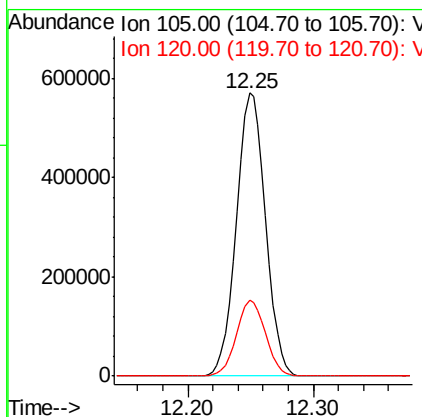
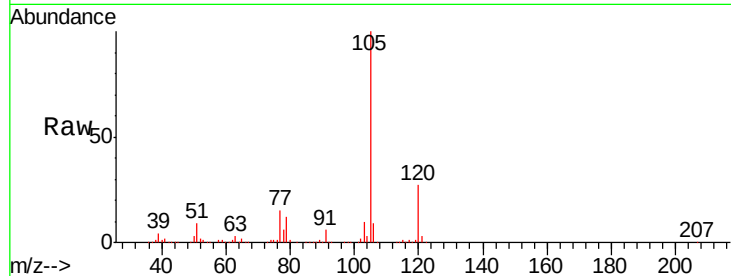
#73
Isopropylbenzene
Concen: 20.573 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

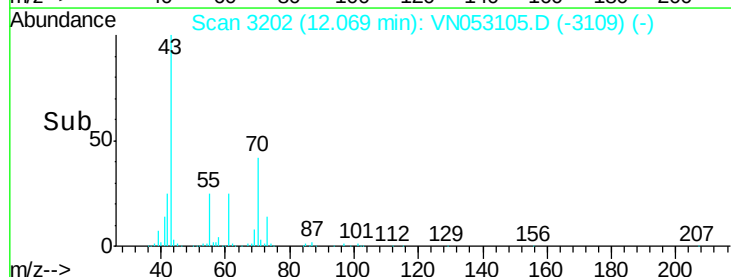
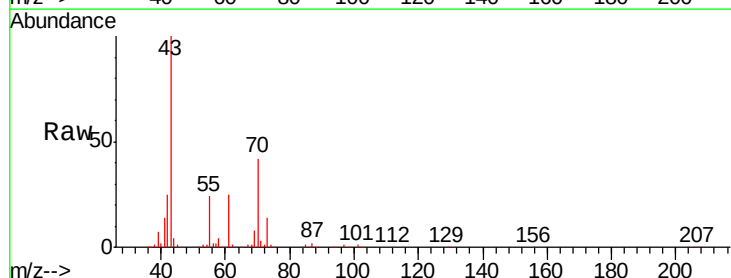
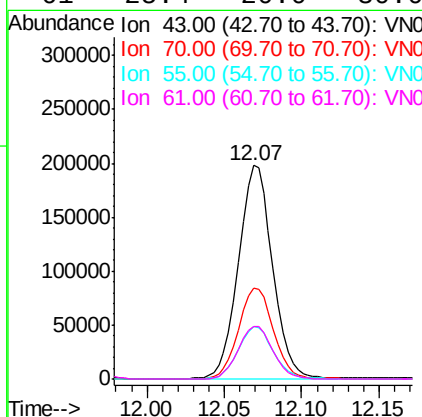
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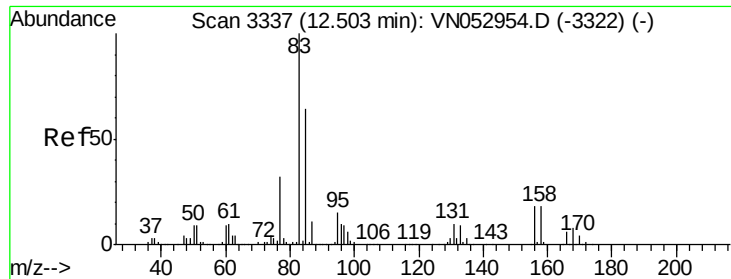
MMDadoda
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#74
N-ethyl acetate
Concen: 24.370 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	34.2	51.4
55	25.7	20.3	30.5
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 27.234 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBS02

Tgt Ion: 83 Resp: 238158
Ion Ratio Lower Upper

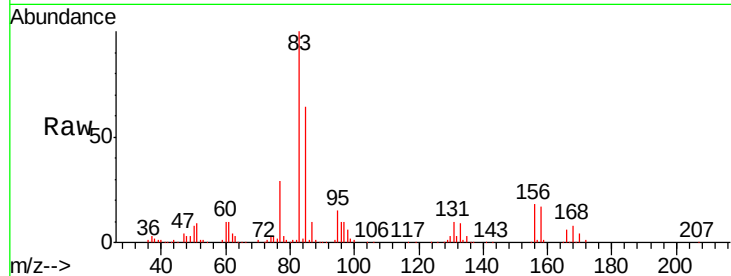
83 100

131 10.5 5.2 15.6

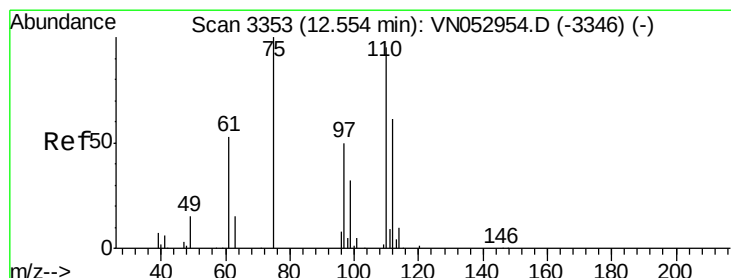
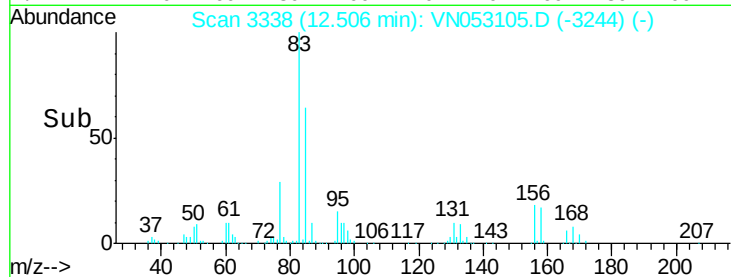
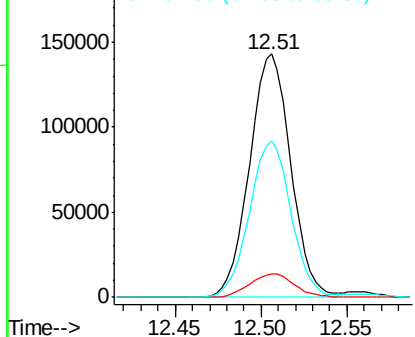
85 64.4 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 22.483 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

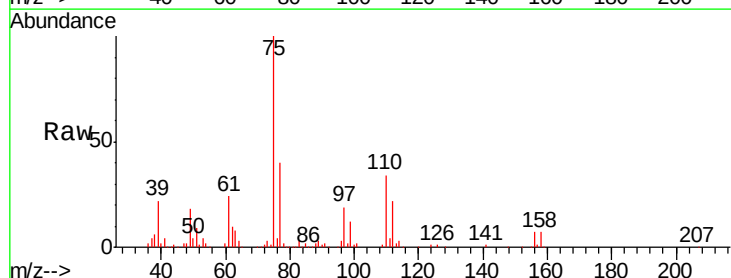
Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

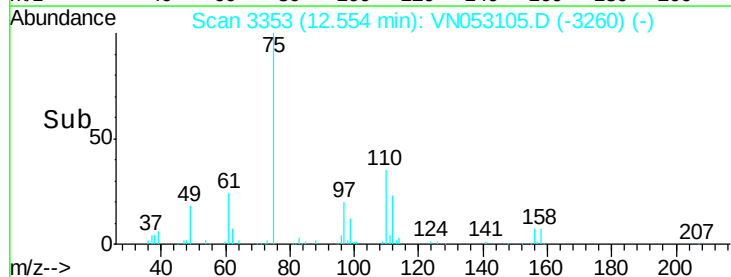
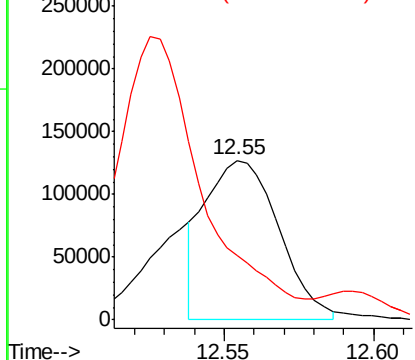
Tgt Ion: 75 Resp: 215624
Ion Ratio Lower Upper

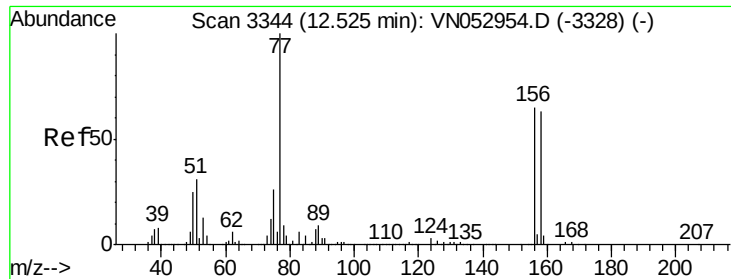
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 21.493 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

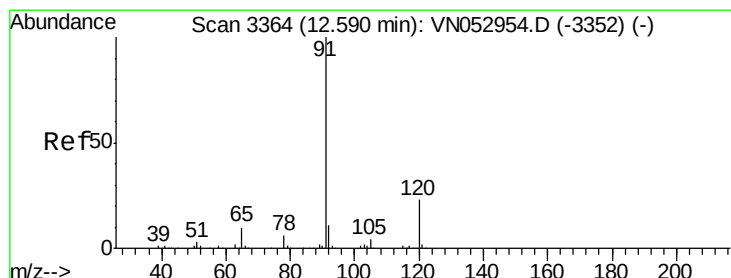
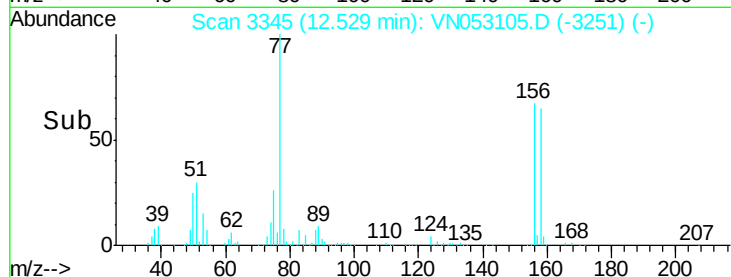
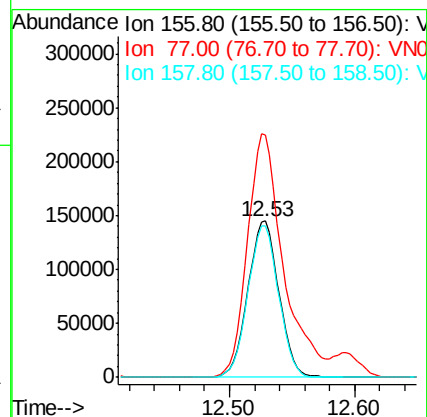
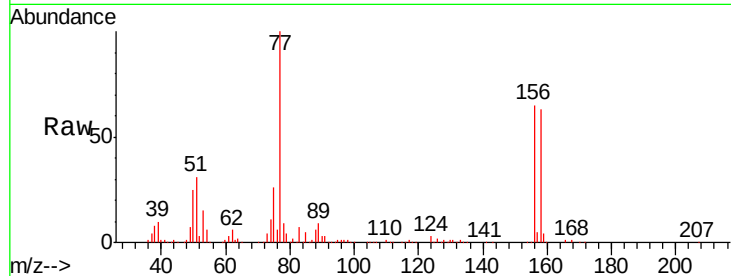
ClientSampleId :

VN1221MBSD02

Tgt Ion:	156	Resp:	249043
Ion Ratio	Lower	Upper	
156	100		
77	181.3	91.3	273.8
158	96.0	49.0	147.2

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#78

n-propylbenzene

Concen: 19.846 ug/l

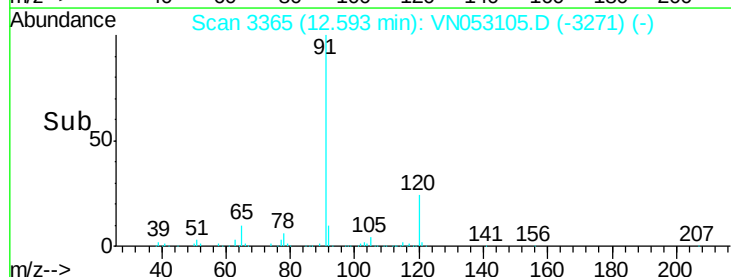
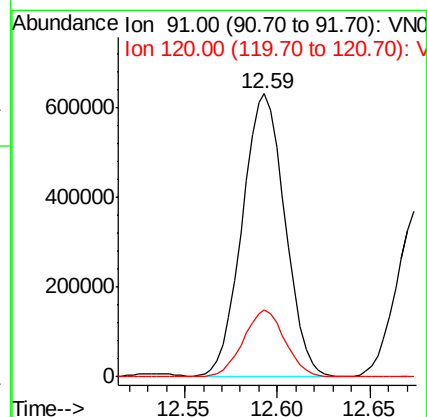
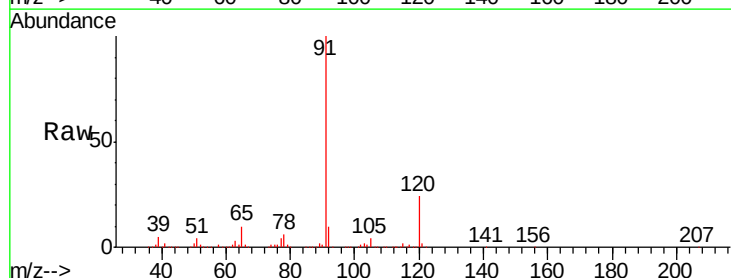
RT: 12.59 min Scan# 3365

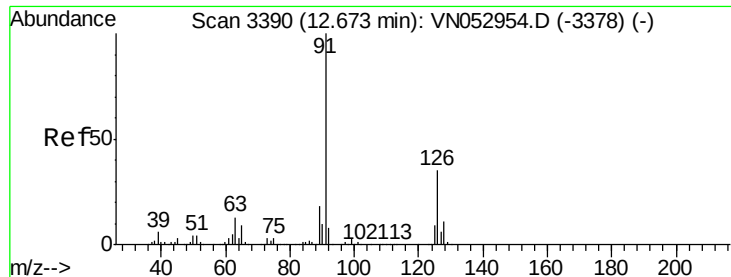
Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	91	Resp:	1007513
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.508 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion: 91 Resp: 613883

Ion Ratio Lower Upper

91 100

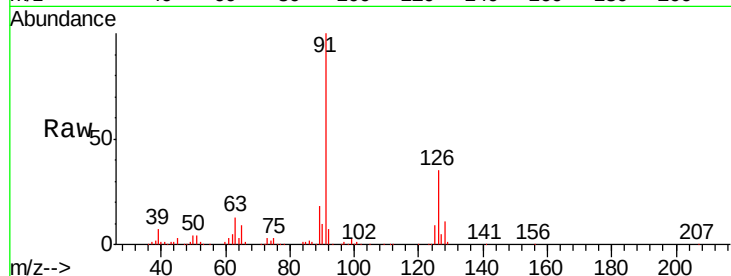
126 35.5 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN053105.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053105.D (-3391) (-)

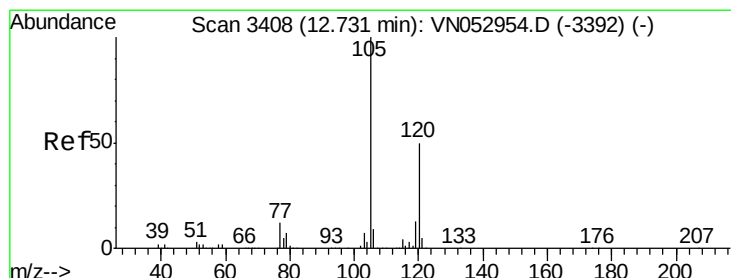
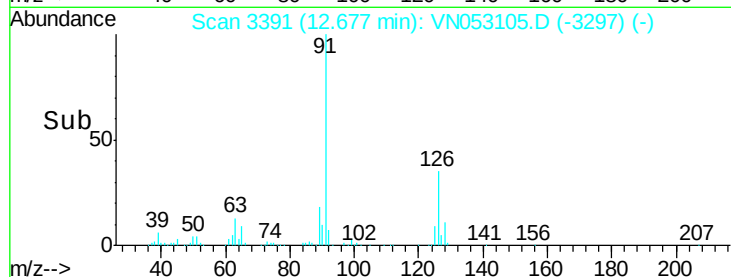
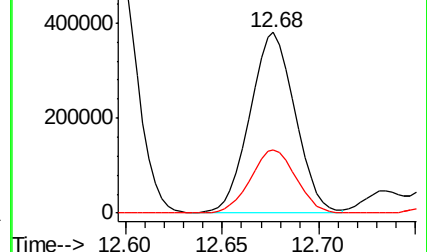
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.940 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053105.D

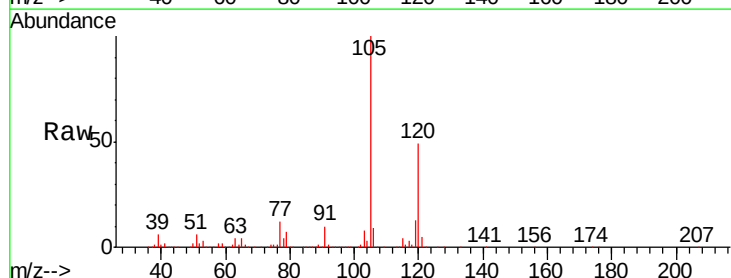
Acq: 21 Dec 2018 16:39

Tgt Ion: 105 Resp: 724483

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053105.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN053105.D (-3409) (-)

500000

400000

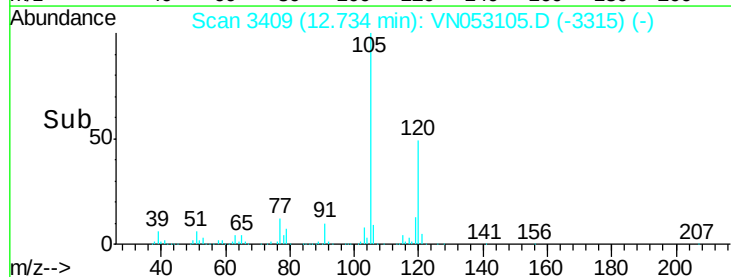
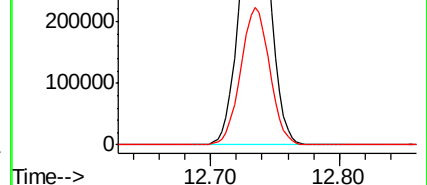
300000

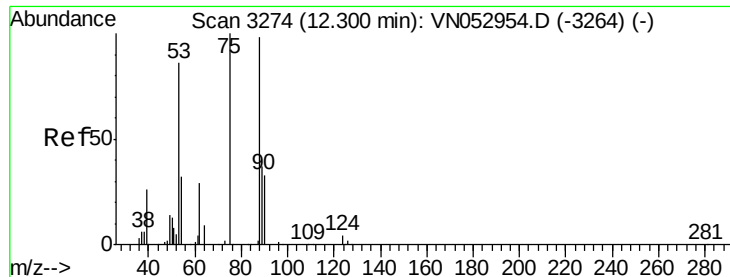
200000

100000

0

12.70 12.80





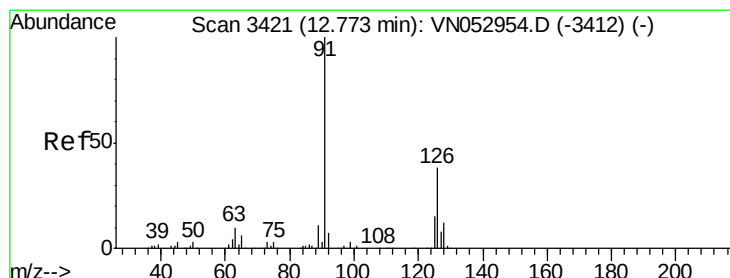
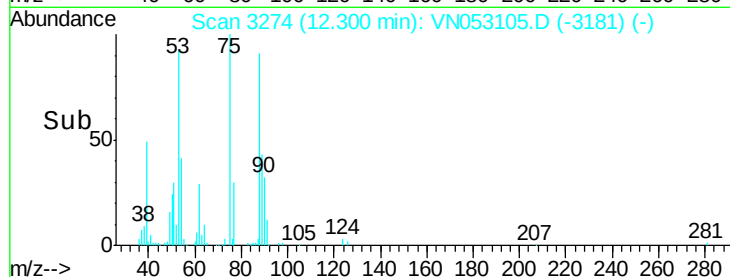
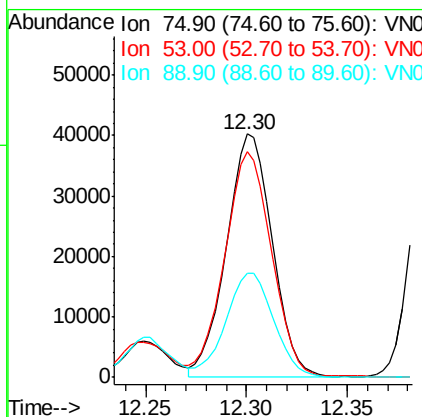
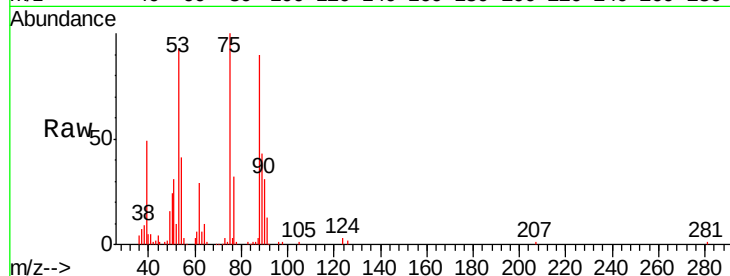
#81
trans-1,4-Dichloro-2-butene
Concen: 21.618 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.5	74.7	112.1
89	44.6	36.1	54.1

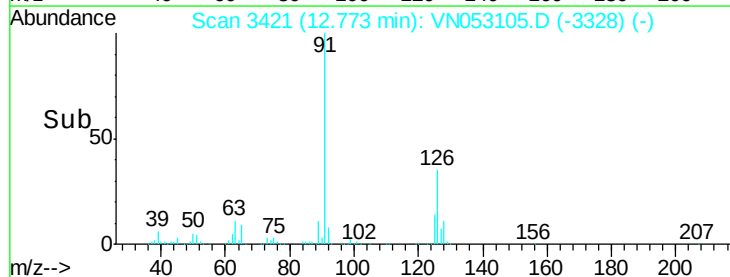
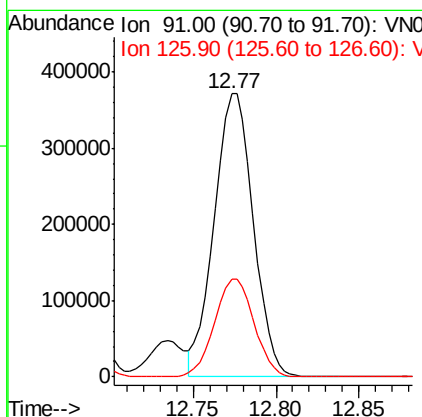
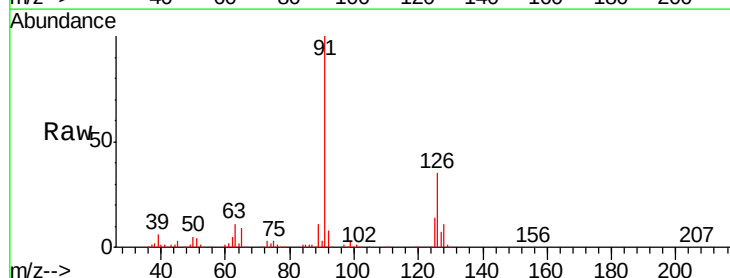
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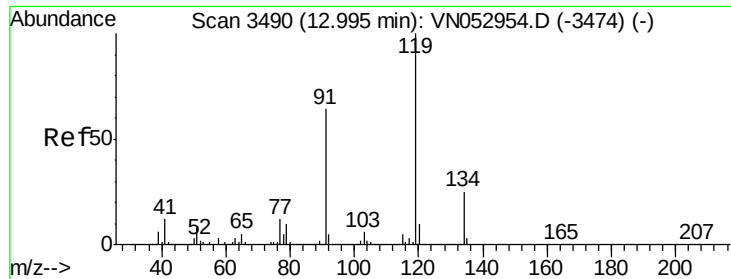
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#82
4-Chlorotoluene
Concen: 19.781 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053105.D
Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





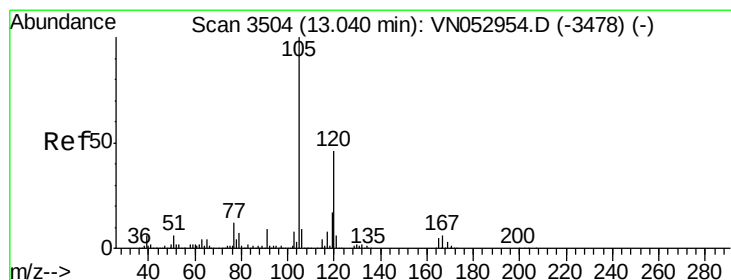
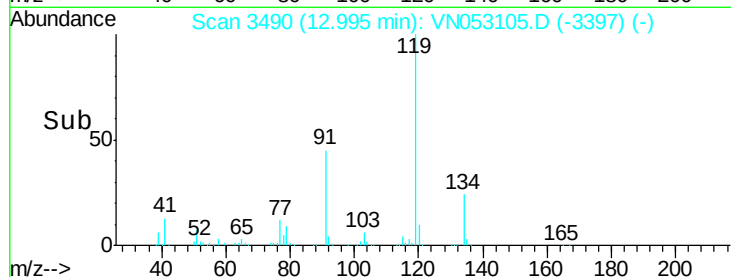
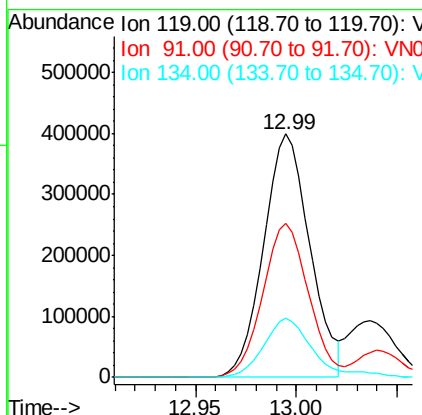
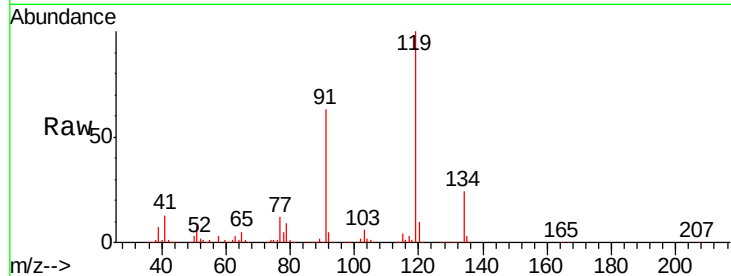
#83
 tert-Butylbenzene
 Concen: 19.813 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	62.7	31.9	95.5
134	25.8	12.8	38.4

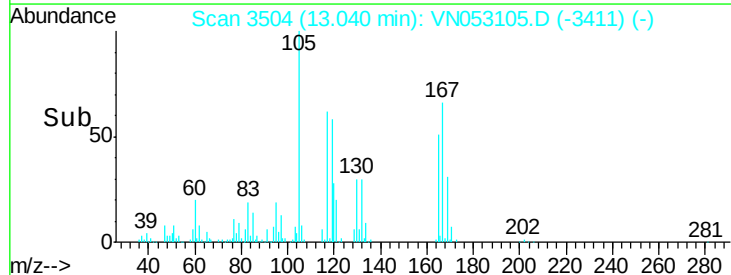
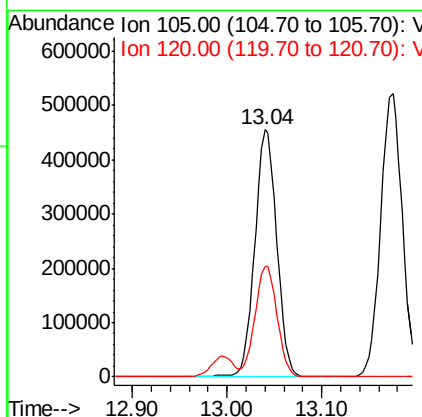
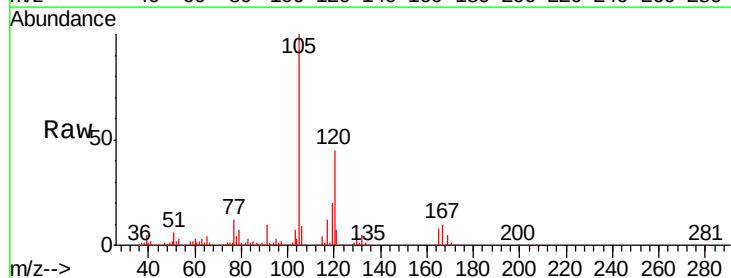
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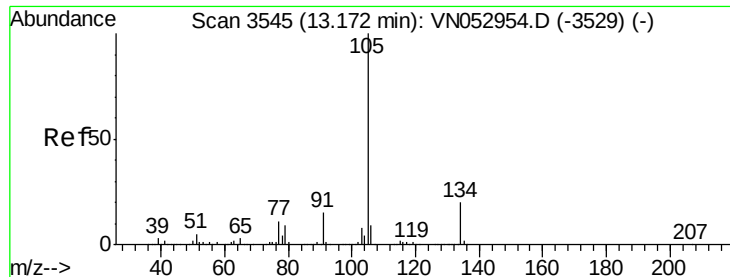
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.089 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	45.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.059 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBSD02

Tgt Ion:105 Resp: 828359

Ion Ratio Lower Upper

105 100

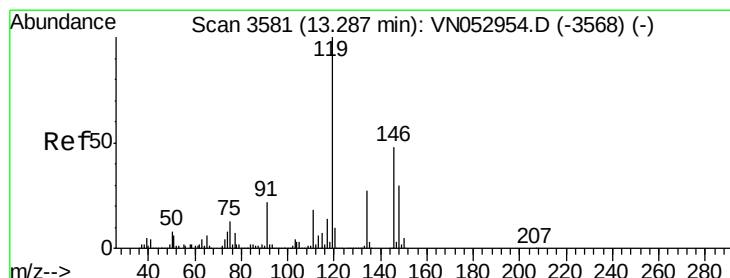
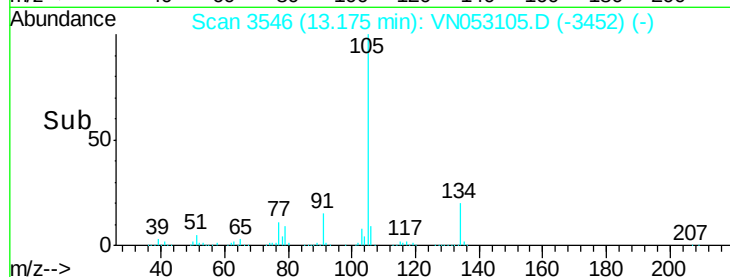
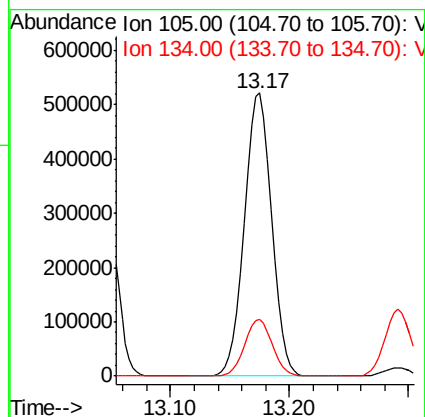
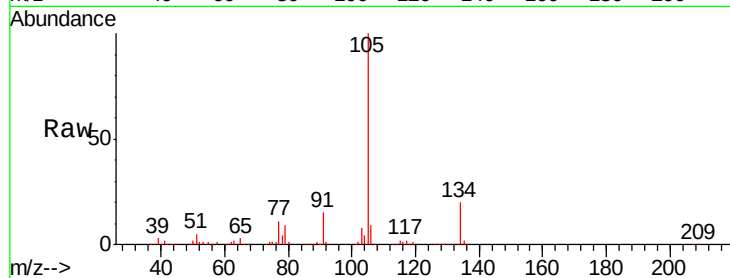
134 20.2 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.854 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

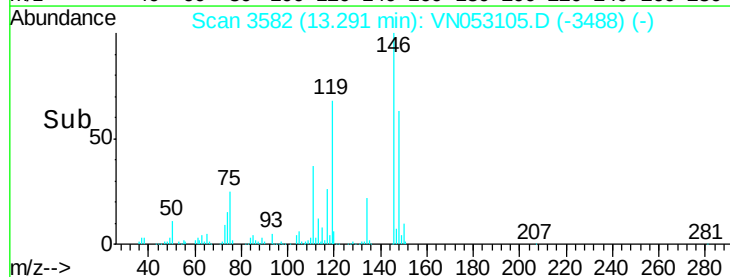
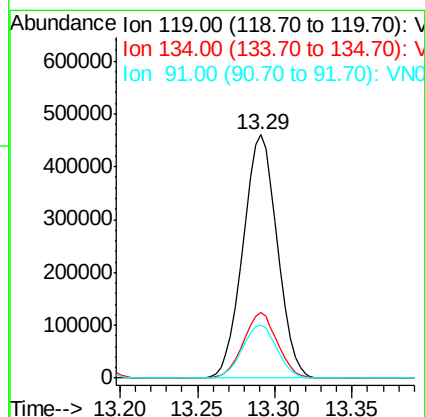
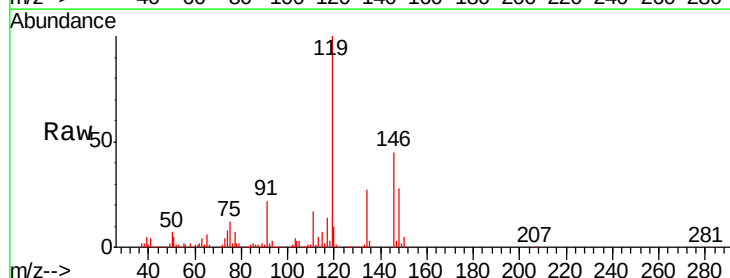
Tgt Ion:119 Resp: 708072

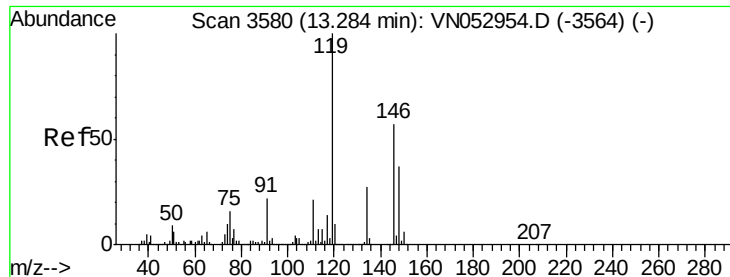
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.0 11.1 33.3





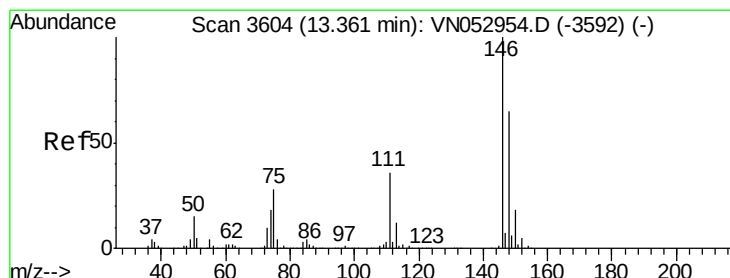
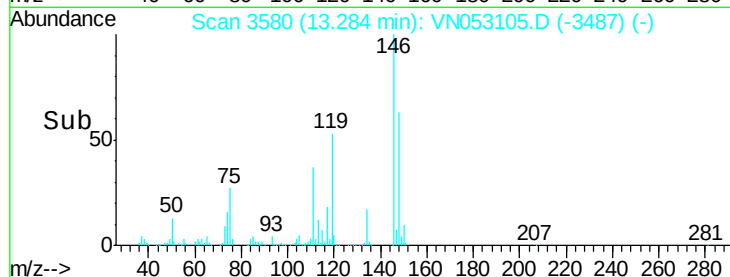
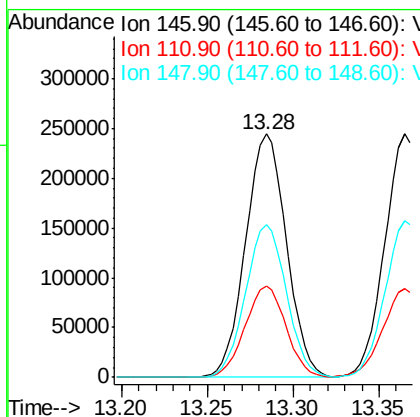
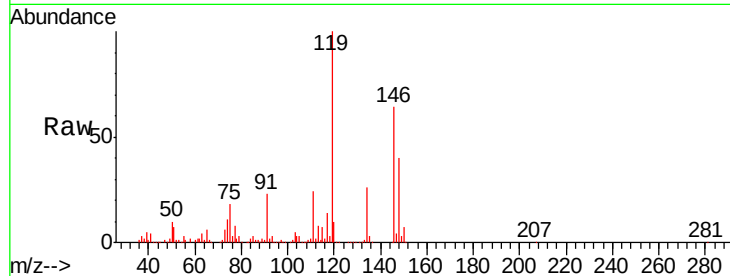
#87
 1,3-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.5	19.1	57.1	
148	62.8	32.0	96.0	

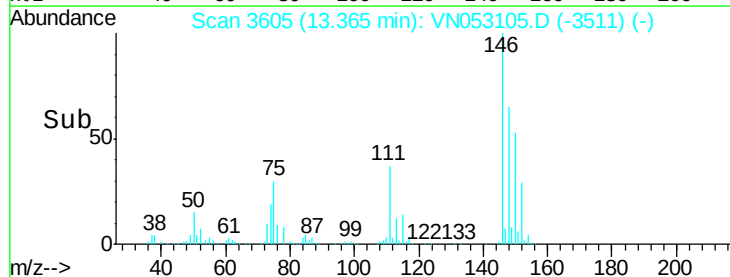
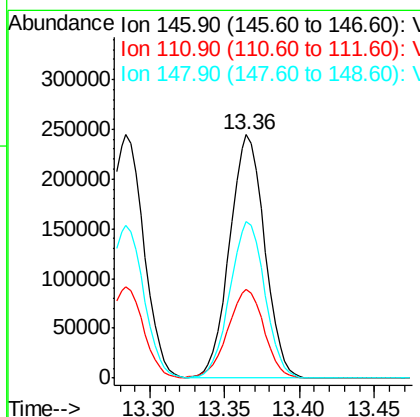
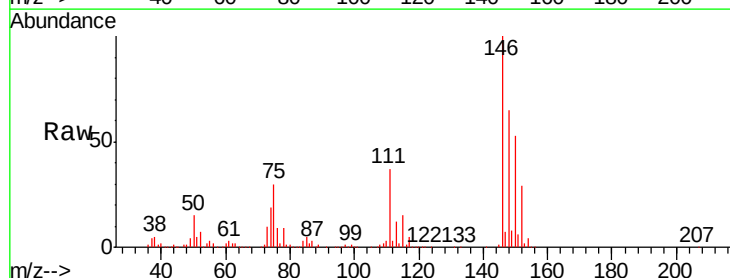
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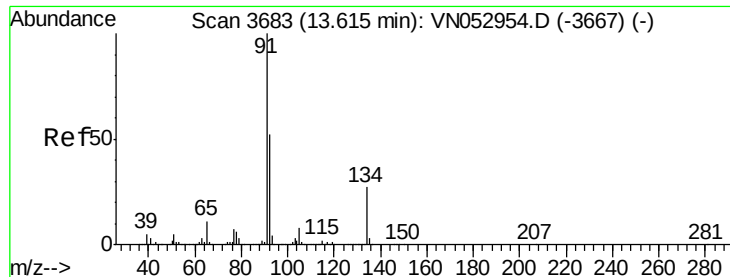
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#88
 1,4-Dichlorobenzene
 Concen: 19.170 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.8	18.6	55.8	
148	64.3	32.1	96.5	





#89

n-Butylbenzene

Concen: 16.906 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

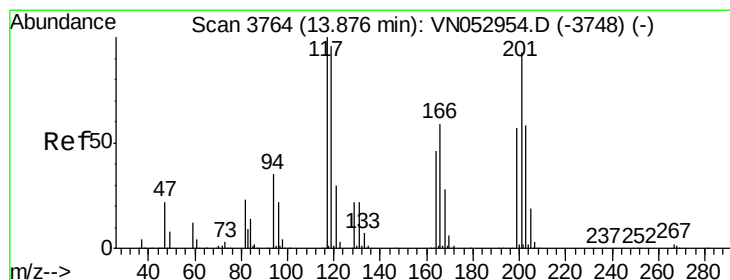
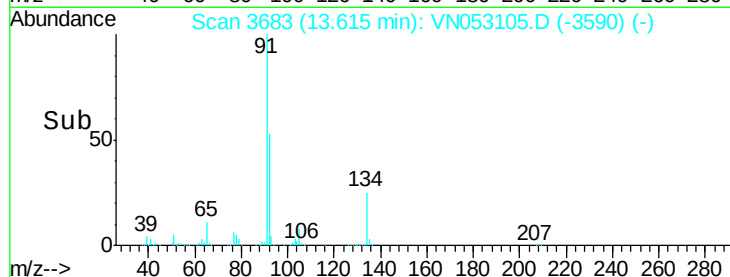
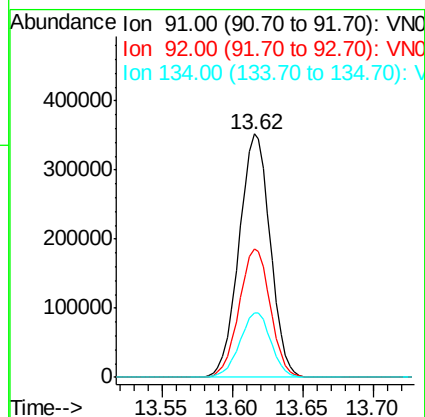
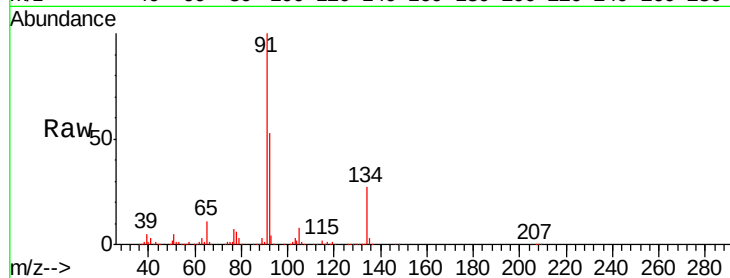
ClientSampleId :

VN1221MBSD02

Tgt Ion:	91	Resp:	546214
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.3	78.9
134	26.6	13.3	39.8

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#90

Hexachloroethane

Concen: 18.075 ug/l

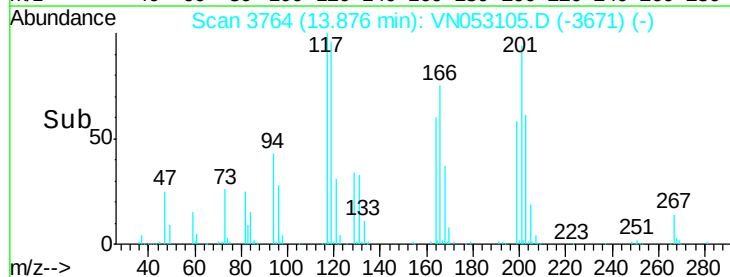
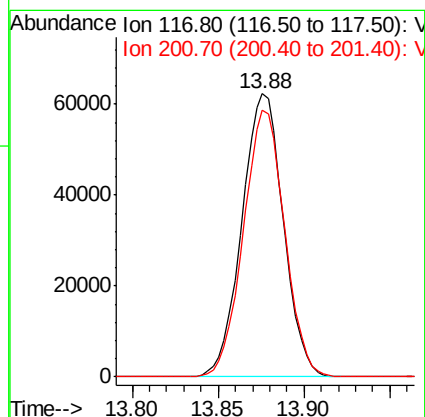
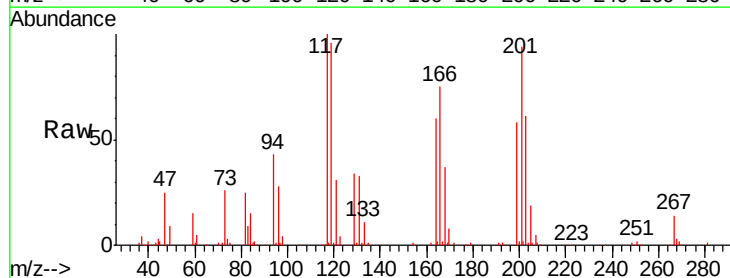
RT: 13.88 min Scan# 3764

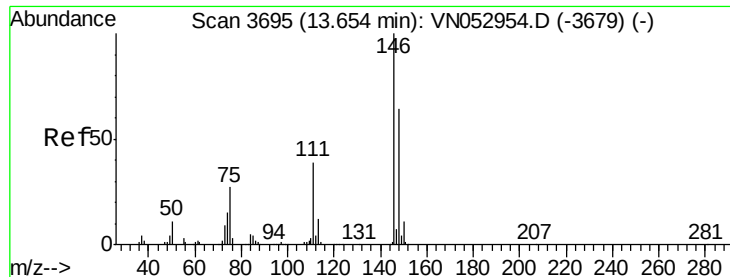
Delta R.T. -0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	117	Resp:	104169
Ion Ratio	Lower	Upper	
117	100		
201	93.5	45.7	137.1





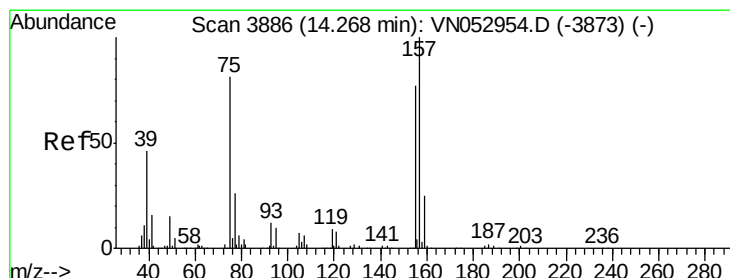
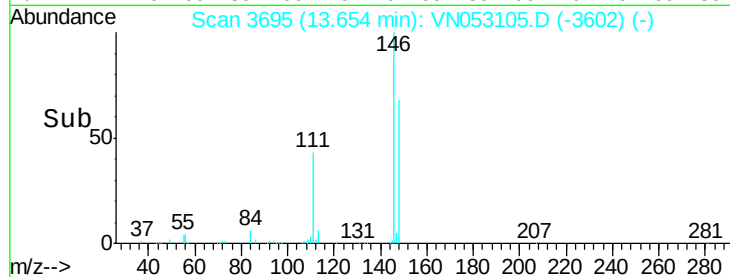
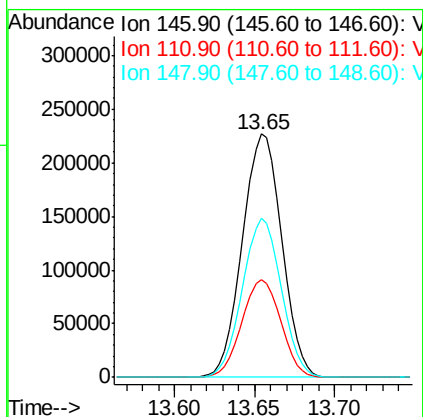
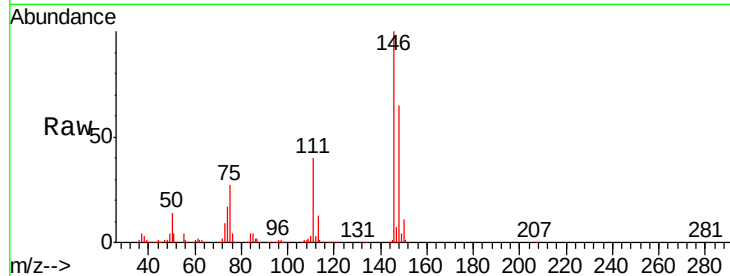
#91
 1,2-Dichlorobenzene
 Concen: 19.822 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.4	32.0	96.0

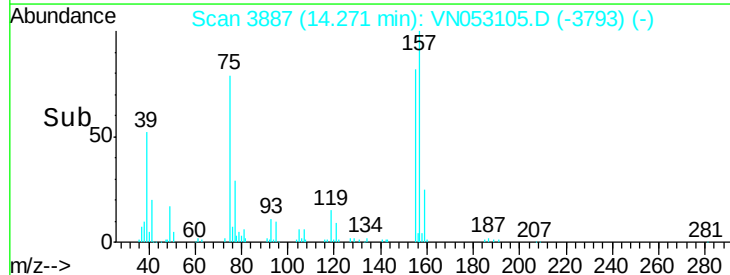
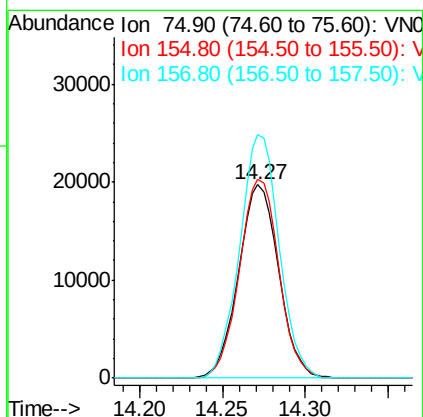
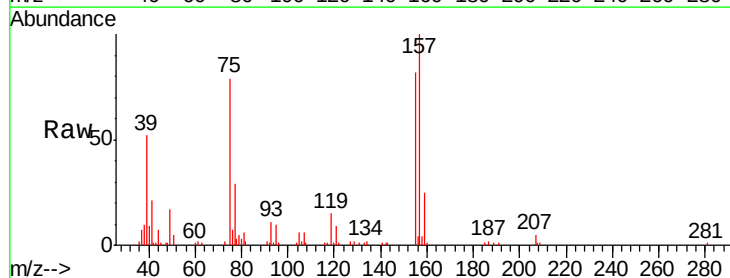
Manual Integrations
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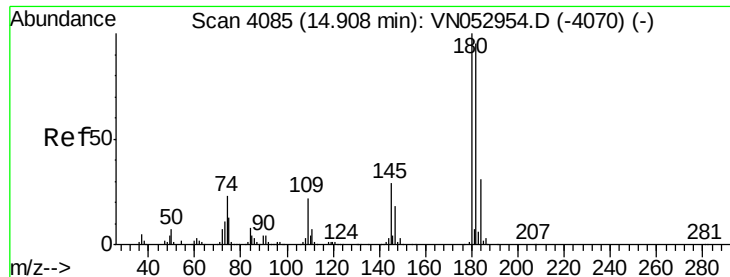
MMDadoda
 12/22/2018 10:06:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.055 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	48.2	144.6
157	123.7	61.2	183.5





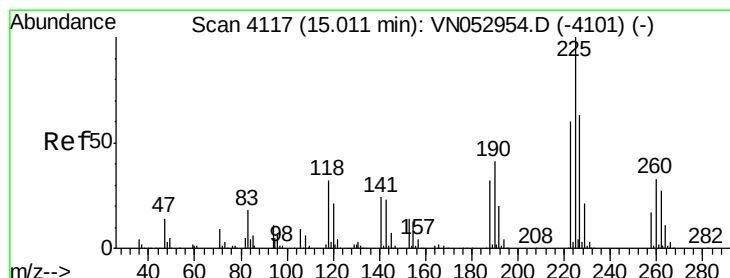
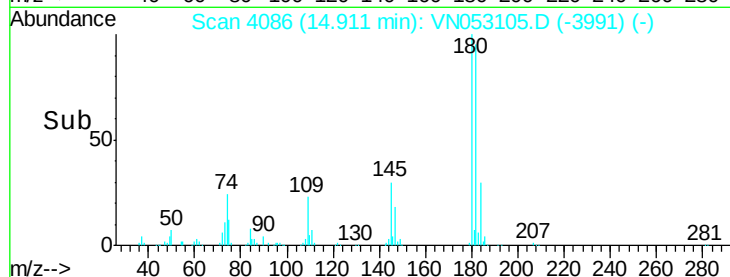
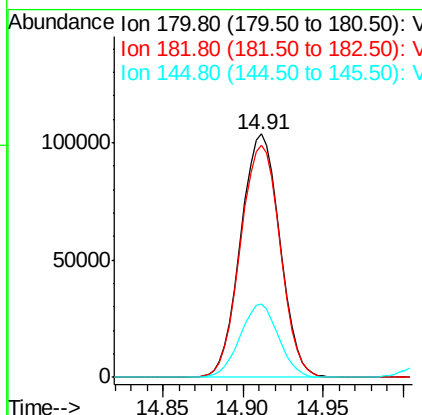
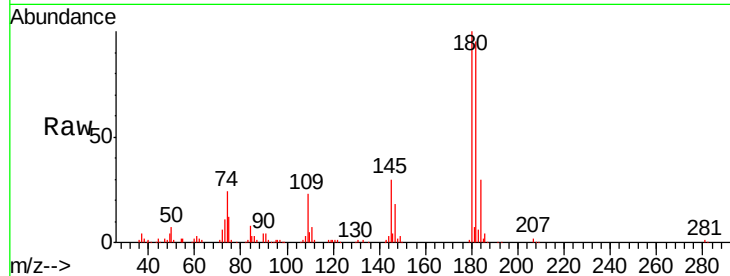
#93
 1,2,4-Trichlorobenzene
 Concen: 17.407 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	29.4	14.2	42.6

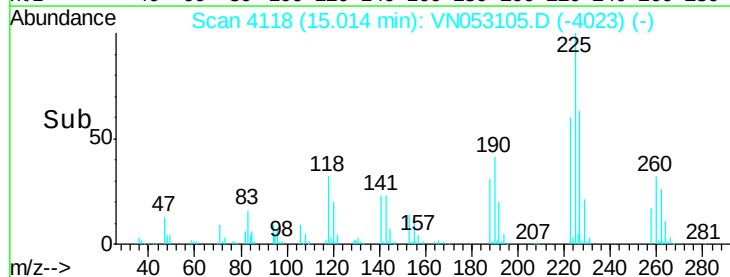
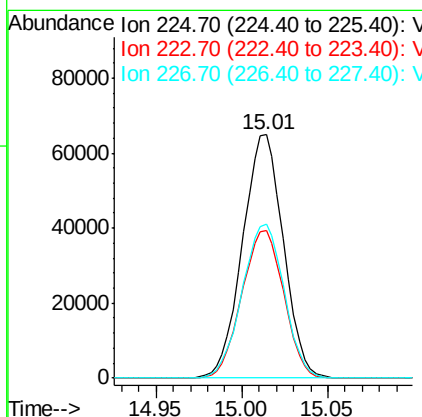
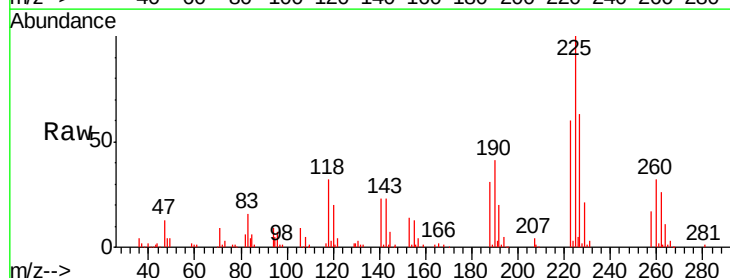
Manual Integrations
 APPROVED

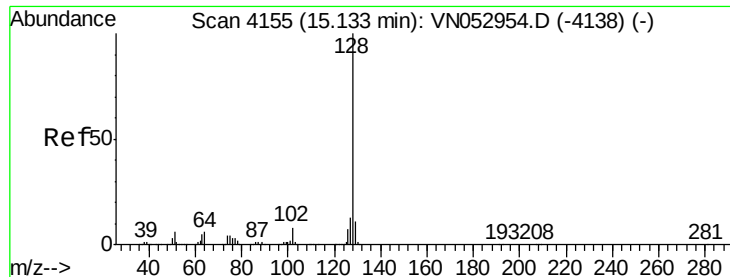
MMDadoda
 12/22/2018 10:06:46 AM



#94
 Hexachlorobutadiene
 Concen: 18.365 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN053105.D
 Acq: 21 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	64.9	31.9	95.7





#95

Naphthalene

Concen: 19.665 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Instrument :

MSVOA_N

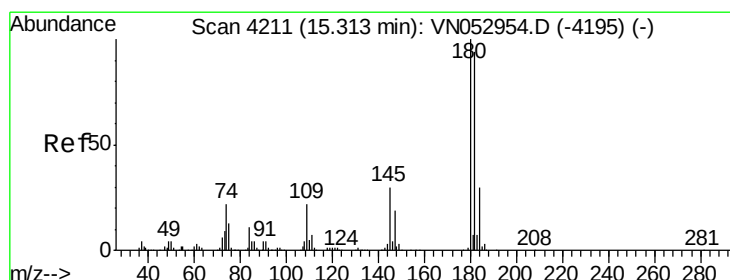
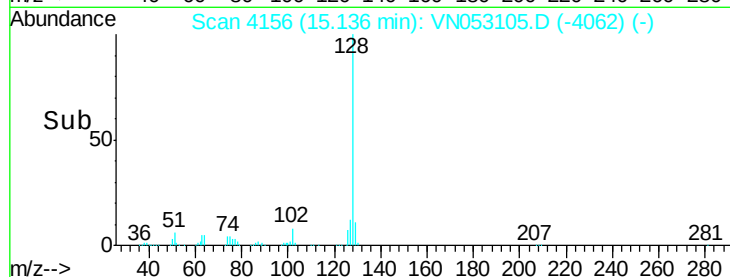
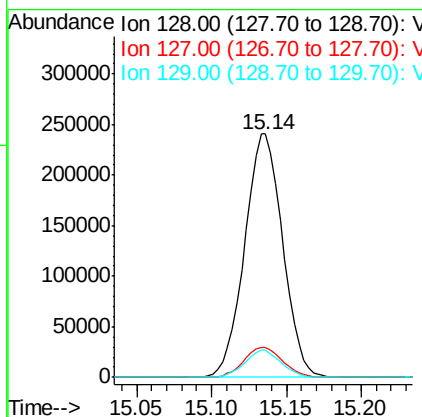
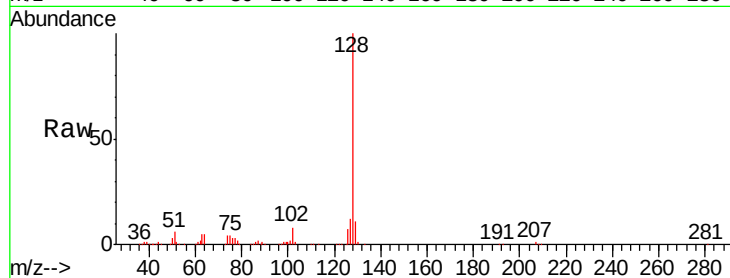
ClientSampleId :

VN1221MBS02

Tgt Ion:	128	Resp:	424547
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/22/2018 10:06:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.255 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053105.D

Acq: 21 Dec 2018 16:39

Tgt Ion:	180	Resp:	165097
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.7
145	30.3	15.0	45.0

