

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052952.D
 Acq On : 18 Dec 2018 10:56
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:17 PM

Quant Time: Dec 18 12:16:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:10:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1085368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1607724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1436046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	676640	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	53787	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
35) Dibromofluoromethane	7.59	113	34626	3.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.72%	
50) Toluene-d8	10.09	98	195618	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.40	95	69773	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	54950	4.918 ug/l	98
3) Chloromethane	2.06	50	66879	4.987 ug/l	98
4) Vinyl Chloride	2.19	62	67087	5.001 ug/l	99
5) Bromomethane	2.57	94	48098	5.813 ug/l	97
6) Chloroethane	2.71	64	39570	4.990 ug/l	97
7) Trichlorofluoromethane	3.02	101	85536	5.143 ug/l	96
8) Diethyl Ether	3.41	74	30240	4.984 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55507	5.385 ug/l	98
10) Methyl Iodide	3.96	142	62507	4.330 ug/l	99
11) Tert butyl alcohol	4.76	59	15974	24.772 ug/l #	90
12) 1,1-Dichloroethene	3.74	96	50559	5.067 ug/l	94
13) Acrolein	3.61	56	13208	21.755 ug/l	91
14) Allyl chloride	4.33	41	77497	4.755 ug/l	94
15) Acrylonitrile	4.98	53	88680	24.514 ug/l	95
16) Acetone	3.81	43	47086	18.166 ug/l	94
17) Carbon Disulfide	4.06	76	166584	5.434 ug/l	97
18) Methyl Acetate	4.32	43	45135	4.745 ug/l	98
19) Methyl tert-butyl Ether	5.04	73	132892	4.906 ug/l	99
20) Methylene Chloride	4.55	84	58864	5.047 ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	54480	5.039 ug/l	98
22) Diisopropyl ether	5.95	45	164288	4.725 ug/l	95
23) Vinyl Acetate	5.89	43	486557	23.516 ug/l	98
24) 1,1-Dichloroethane	5.85	63	99677	4.971 ug/l	96
25) 2-Butanone	6.83	43	81148	20.177 ug/l	98
26) 2,2-Dichloropropane	6.82	77	77397	5.241 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	60532	4.933 ug/l	99
28) Bromochloromethane	7.19	49	42169	4.683 ug/l	91
29) Tetrahydrofuran	7.21	42	64388	23.451 ug/l	99
30) Chloroform	7.37	83	98415	5.033 ug/l	99
31) Cyclohexane	7.65	56	110568	4.946 ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	85389	5.219 ug/l	96
36) 1,1-Dichloropropene	7.79	75	77519	5.236 ug/l	99
37) Ethyl Acetate	6.93	43	43107	4.847 ug/l	96
38) Carbon Tetrachloride	7.77	117	73821	5.417 ug/l	97

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 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:10:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	97116	5.345	ug/l	95
40) Benzene	8.04	78	230883	5.196	ug/l	99
41) Methacrylonitrile	7.17	41	21301	4.323	ug/l	92
42) 1,2-Dichloroethane	8.12	62	69744	5.214	ug/l	100
43) Isopropyl Acetate	8.16	43	98159	5.383	ug/l #	84
44) Trichloroethene	8.83	130	66291	5.523	ug/l	97
45) 1,2-Dichloropropane	9.12	63	59687	5.128	ug/l	100
46) Dibromomethane	9.21	93	35029	5.190	ug/l	99
47) Bromodichloromethane	9.40	83	76377	5.457	ug/l	97
48) Methyl methacrylate	9.20	41	39486	4.938	ug/l	95
49) 1,4-Dioxane	9.20	88	10526	115.963	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	200149	23.937	ug/l	99
52) Toluene	10.15	92	142997	5.313	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	75839	5.384	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	89715	5.345	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	52567	5.472	ug/l	96
56) Ethyl methacrylate	10.43	69	62270	5.051	ug/l	96
57) 1,3-Dichloropropane	10.71	76	84539	5.131	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	186924	27.172	ug/l	97
59) 2-Hexanone	10.75	43	134515	23.474	ug/l	99
60) Dibromochloromethane	10.90	129	57485	5.536	ug/l	99
61) 1,2-Dibromoethane	11.00	107	50155	5.282	ug/l	99
64) Tetrachloroethene	10.63	164	78537	6.363	ug/l	99
65) Chlorobenzene	11.43	112	160216	5.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56293	5.433	ug/l	99
67) Ethyl Benzene	11.51	91	275421	5.383	ug/l	99
68) m/p-Xylenes	11.62	106	210340	10.949	ug/l #	46
69) o-Xylene	11.95	106	102697	5.474	ug/l	98
70) Styrene	11.96	104	160239	5.314	ug/l	98
71) Bromoform	12.13	173	41829	5.942	ug/l #	99
73) Isopropylbenzene	12.25	105	274092	5.425	ug/l	99
74) N-amyl acetate	12.07	43	68323	4.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54265	4.793	ug/l	89
76) 1,2,3-Trichloropropane	12.55	75	52730m	5.282	ug/l	
77) Bromobenzene	12.53	156	69219	5.387	ug/l	97
78) n-propylbenzene	12.59	91	310563	5.390	ug/l	99
79) 2-Chlorotoluene	12.67	91	239095	7.019	ug/l	87
80) 1,3,5-Trimethylbenzene	12.73	105	233287	5.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17489	5.628	ug/l #	72
82) 4-Chlorotoluene	12.77	91	186251	5.348	ug/l	100
83) tert-Butylbenzene	12.99	119	202774	5.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	225916	5.472	ug/l	100
85) sec-Butylbenzene	13.17	105	289344	5.939	ug/l	99
86) p-Isopropyltoluene	13.29	119	245392	5.814	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126454	5.538	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126894	5.611	ug/l	98
89) n-Butylbenzene	13.61	91	211908	5.963	ug/l	99
90) Hexachloroethane	13.88	117	39793	5.630	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	118269	5.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9432	5.526	ug/l	96

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MSVOA_N
ClientSampleId :
VSTDICC005

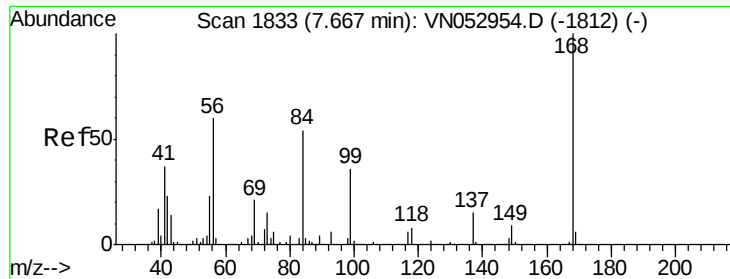
Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:06:17 PM

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 12:10:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67236	5.631	ug/l	98
94) Hexachlorobutadiene	15.01	225	47628	6.891	ug/l	99
95) Naphthalene	15.13	128	122659	4.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60934	5.562	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 1085368

Ion Ratio Lower Upper

168 100

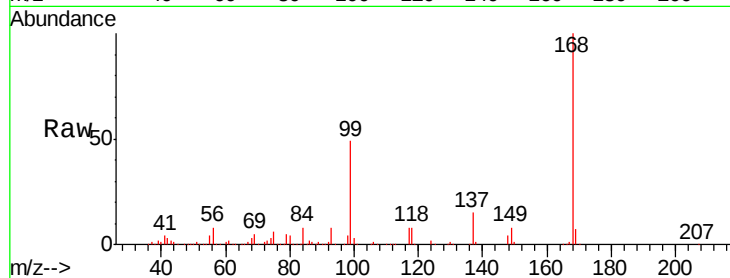
99 49.3 40.2 60.2

Manual Integrations

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12/19/2018 12:06:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

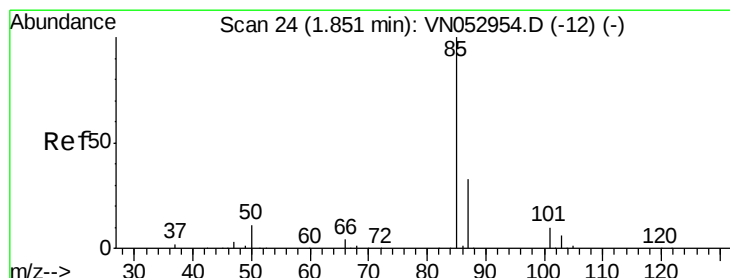
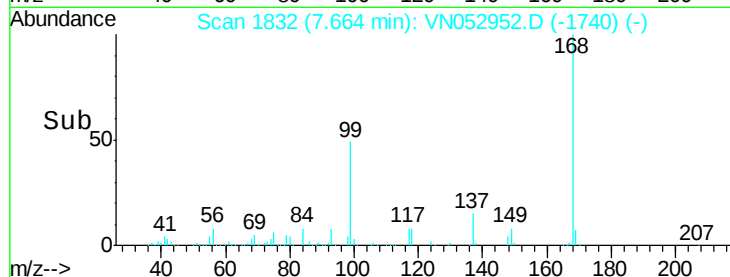
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.918 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052952.D

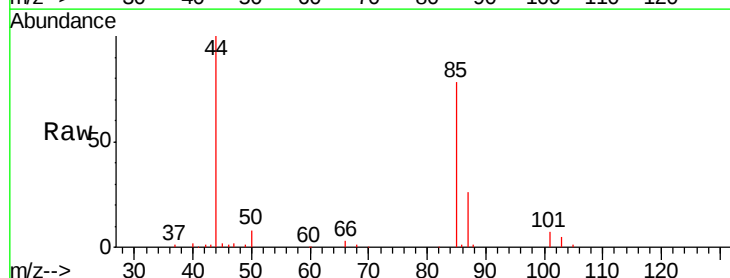
Acq: 18 Dec 2018 10:56

Tgt Ion: 85 Resp: 54950

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

30000

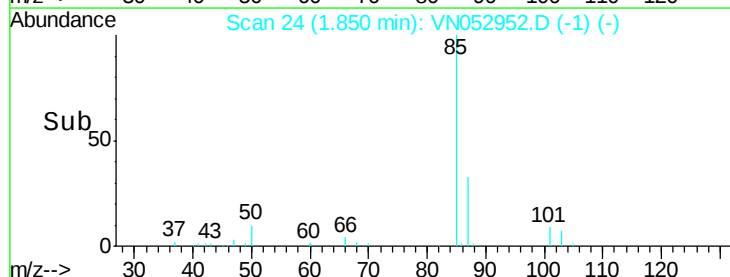
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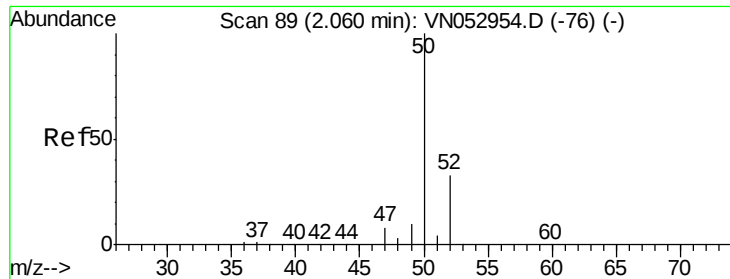
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.987 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 66879

Ion Ratio Lower Upper

50 100

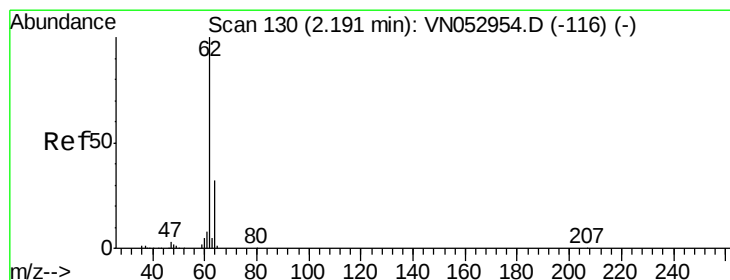
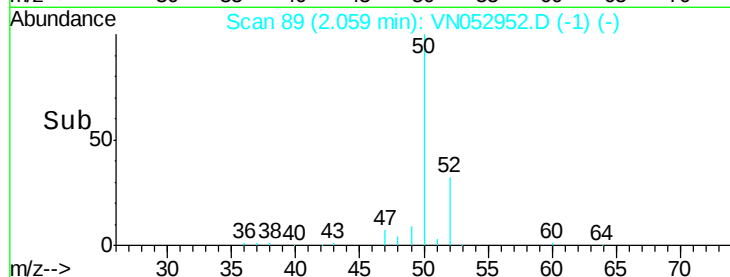
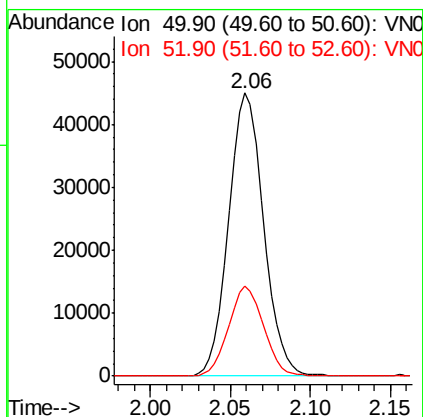
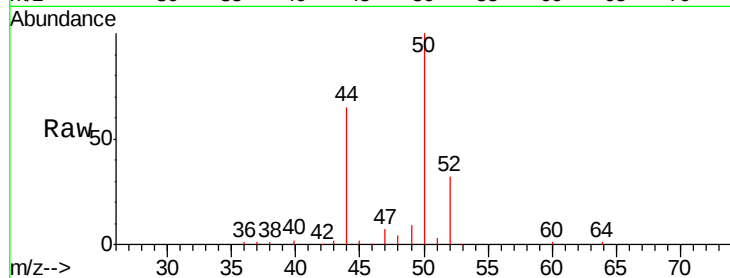
52 31.9 26.2 39.4

Manual Integrations

APPROVED

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12/19/2018 12:06:17 PM



#4

Vinyl Chloride

Concen: 5.001 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052952.D

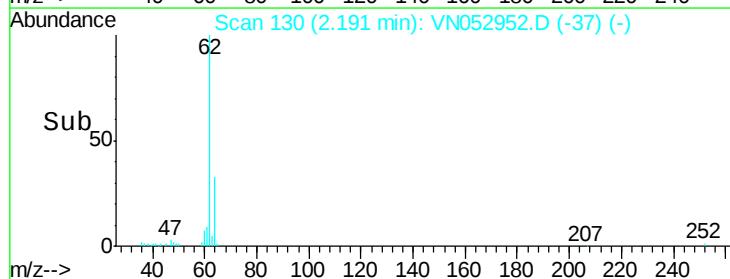
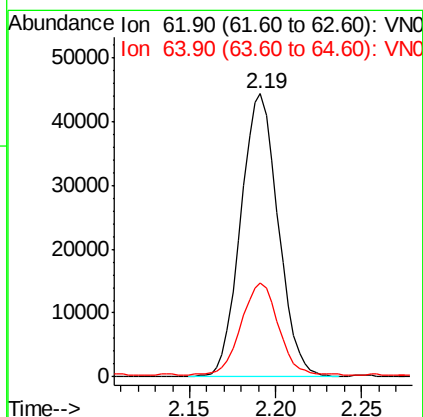
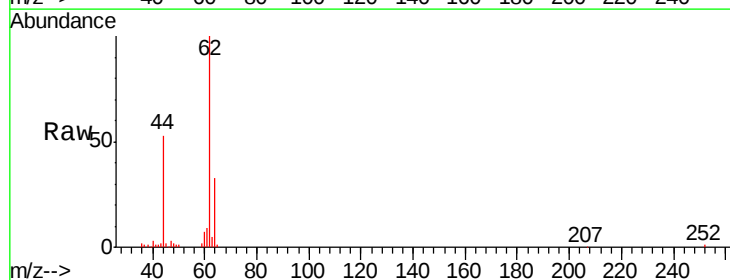
Acq: 18 Dec 2018 10:56

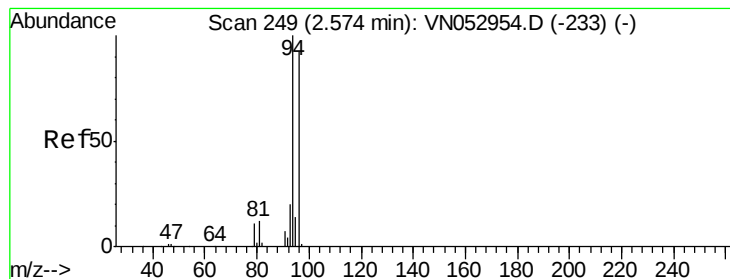
Tgt Ion: 62 Resp: 67087

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 5.813 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 48098

Ion Ratio Lower Upper

94 100

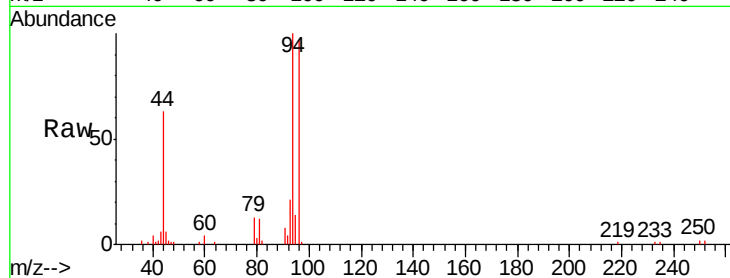
96 97.0 75.0 112.4

Manual Integrations

APPROVED

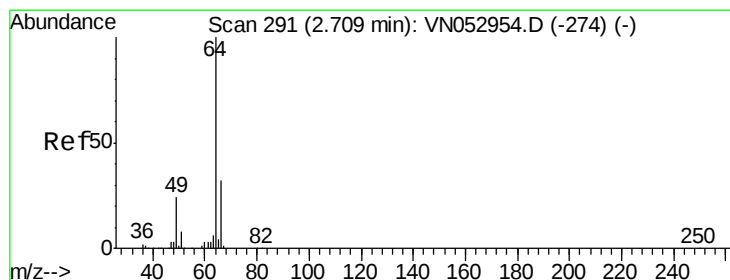
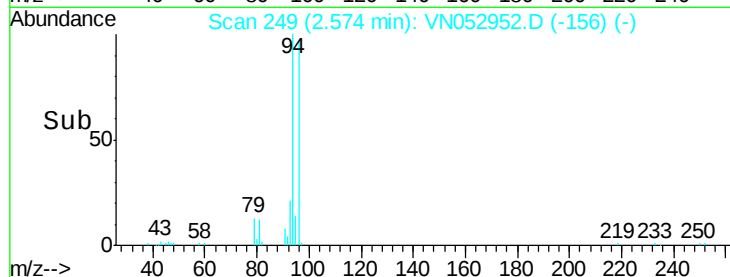
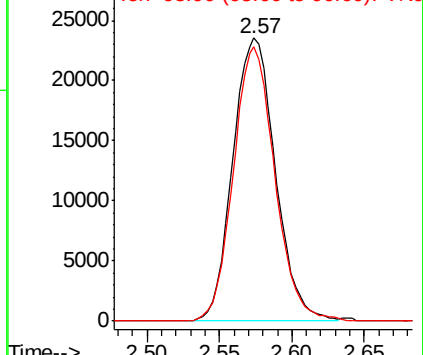
MMDadoda

12/19/2018 12:06:17 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.990 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052952.D

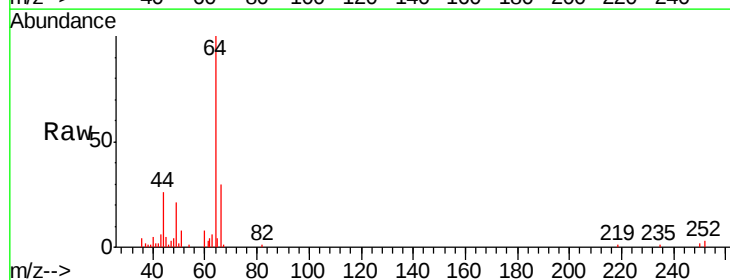
Acq: 18 Dec 2018 10:56

Tgt Ion: 64 Resp: 39570

Ion Ratio Lower Upper

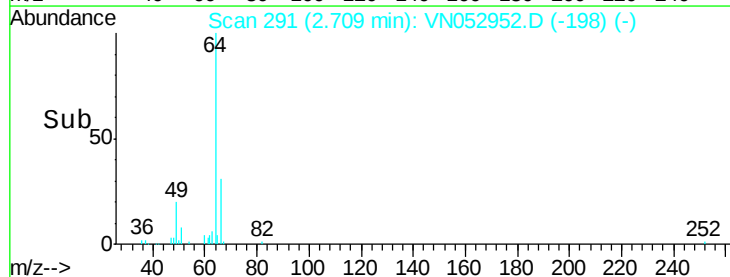
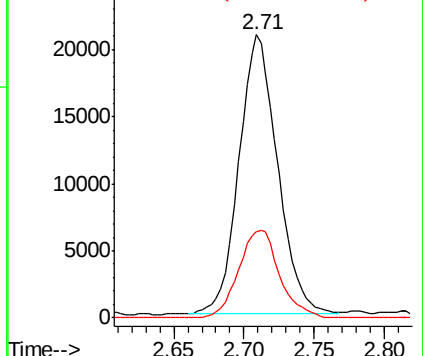
64 100

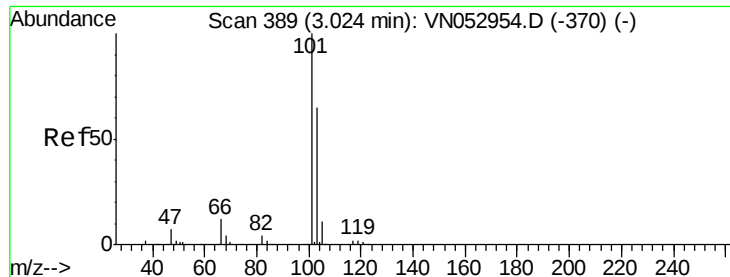
66 31.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

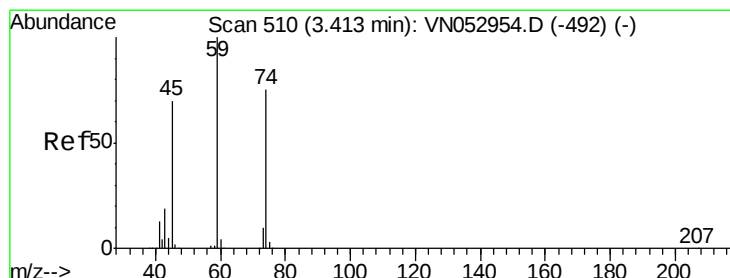
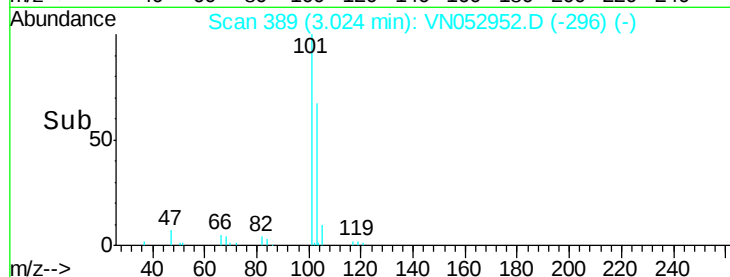
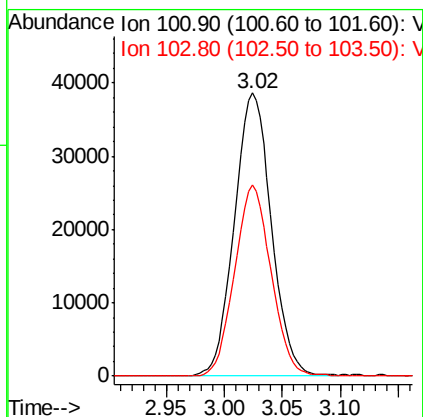
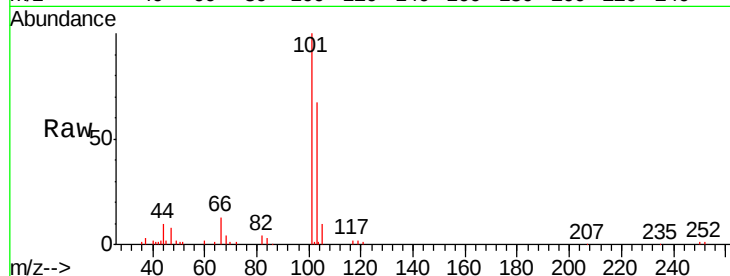
Trichlorofluoromethane
Concen: 5.143 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
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ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.5	51.8	77.6

Manual Integrations
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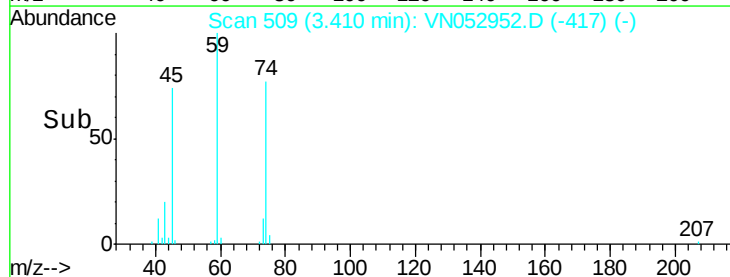
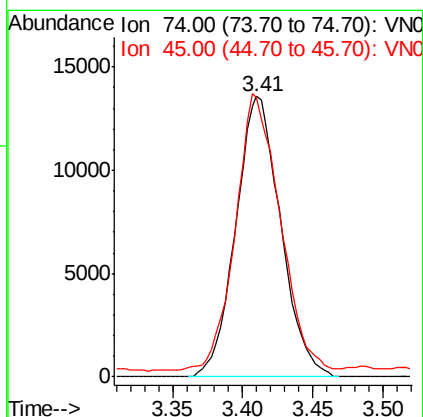
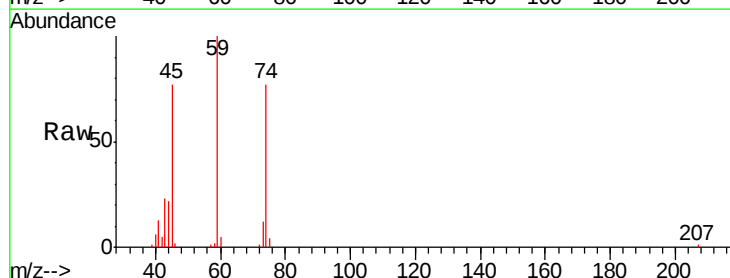
MMDadoda
12/19/2018 12:06:17 PM

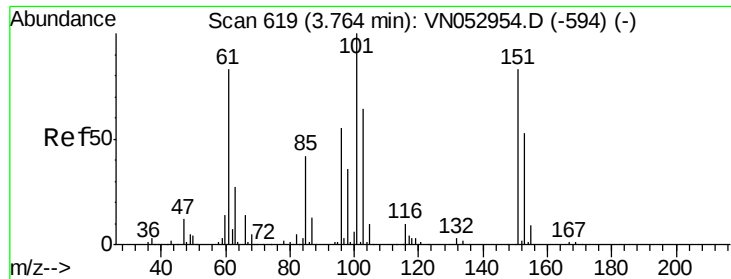


#8

Diethyl Ether
Concen: 4.984 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.385 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

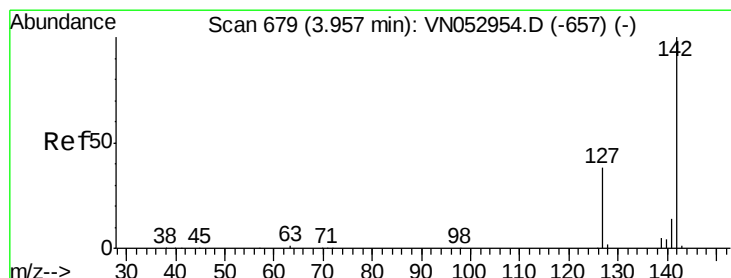
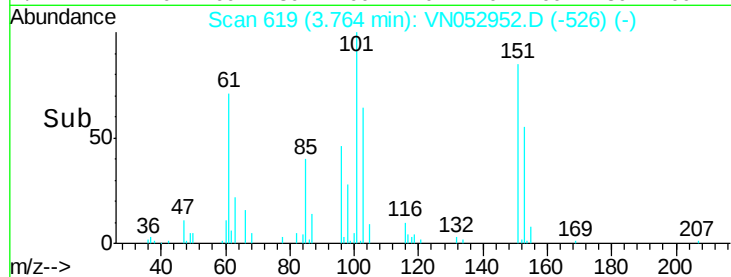
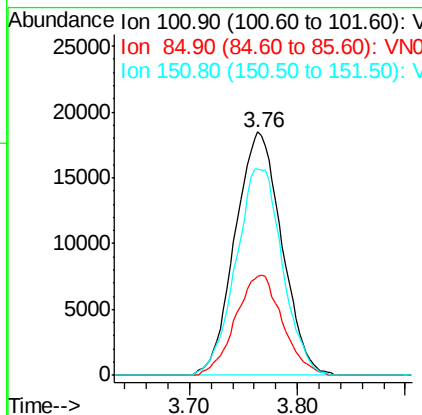
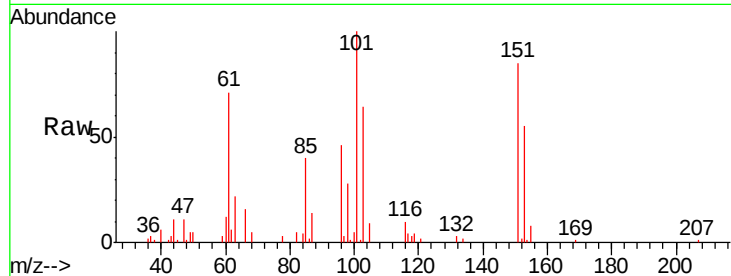
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	55507
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.6	50.4
151	84.7	65.5	98.3

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#10

Methyl Iodide

Concen: 4.330 ug/l

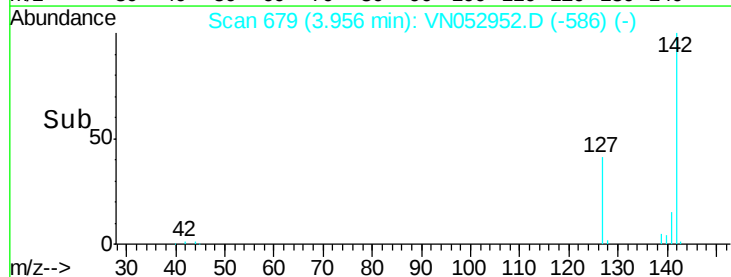
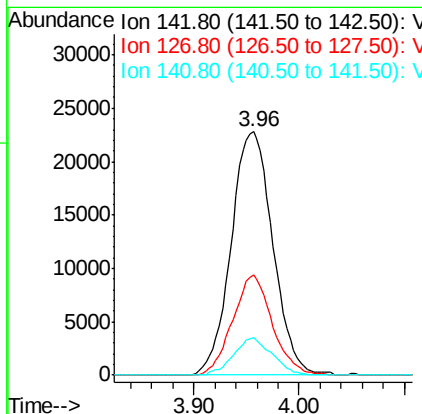
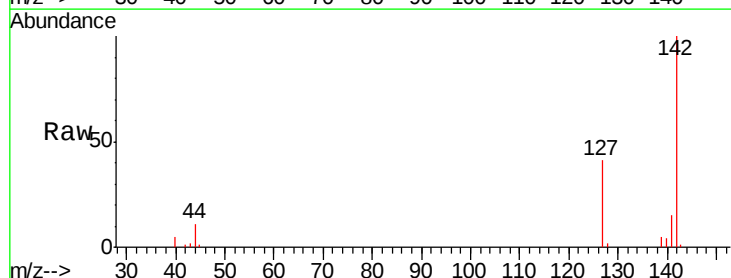
RT: 3.96 min Scan# 679

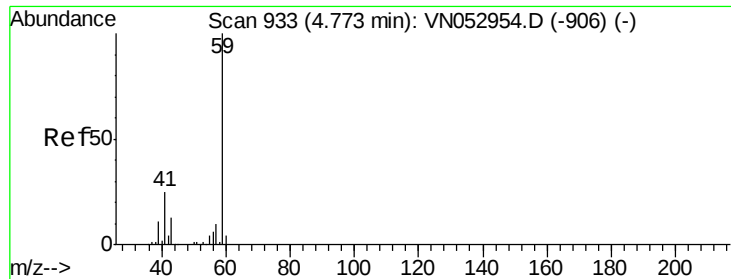
Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	142	Resp:	62507
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.0	46.6
141	14.2	11.2	16.8





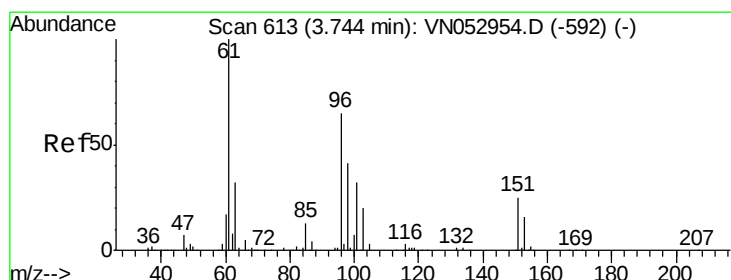
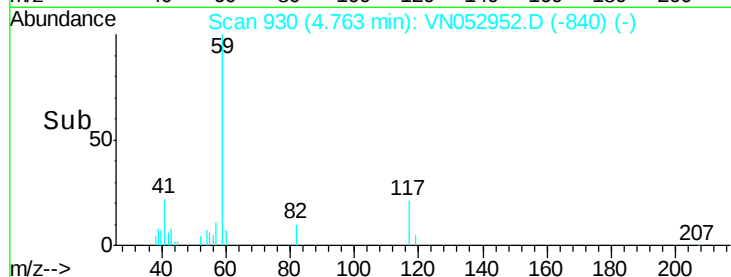
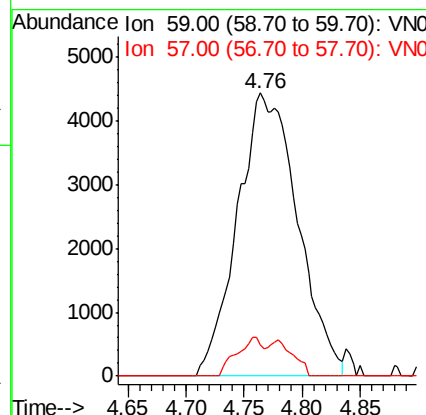
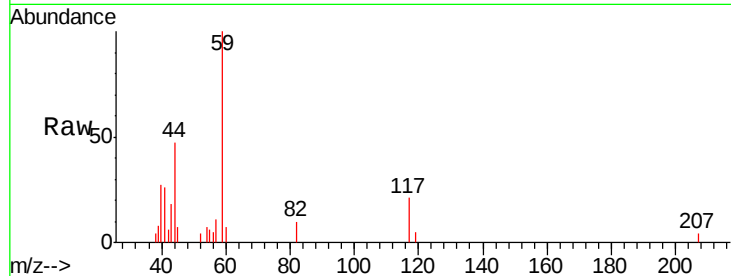
#11
Tert butyl alcohol
Concen: 24.772 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.01 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 15974
Ion Ratio Lower Upper
59 100
57 5.9 7.7 11.5#

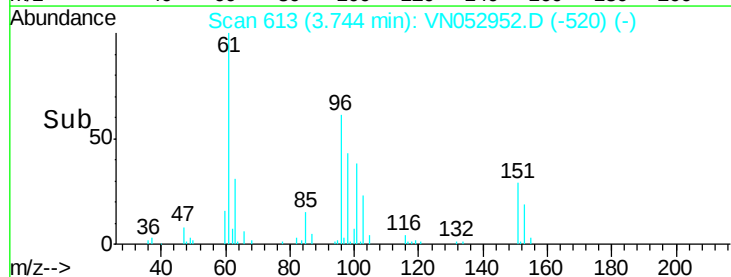
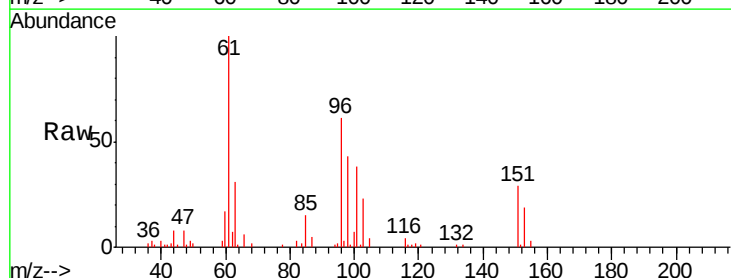
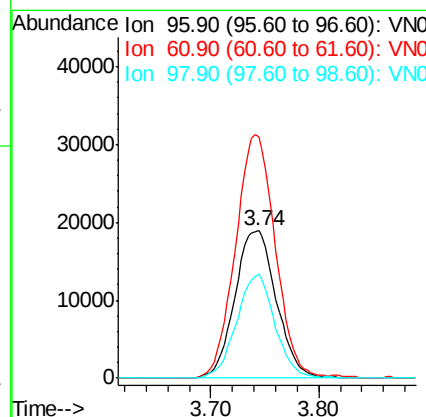
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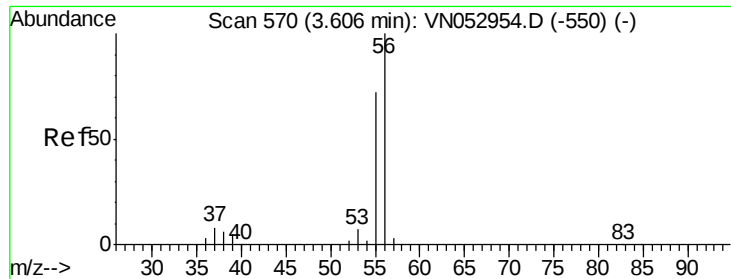
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.067 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 96 Resp: 50559
Ion Ratio Lower Upper
96 100
61 163.8 125.6 188.4
98 70.4 50.6 75.8





#13

Acrolein

Concen: 21.755 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 13208

Ion Ratio Lower Upper

56 100

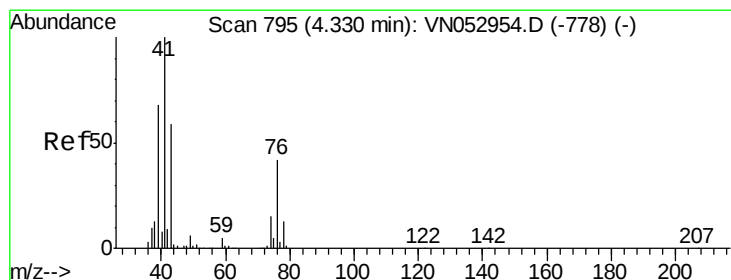
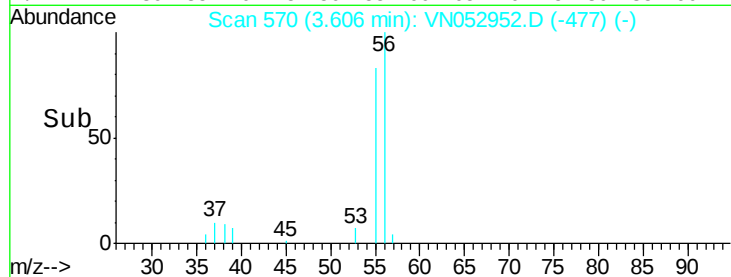
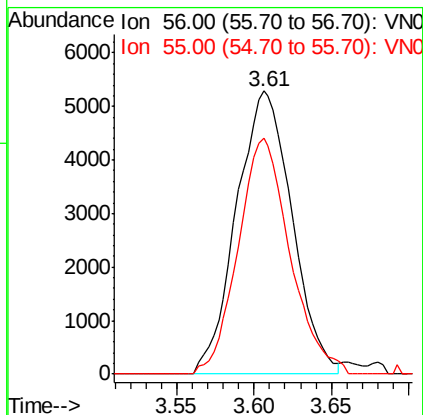
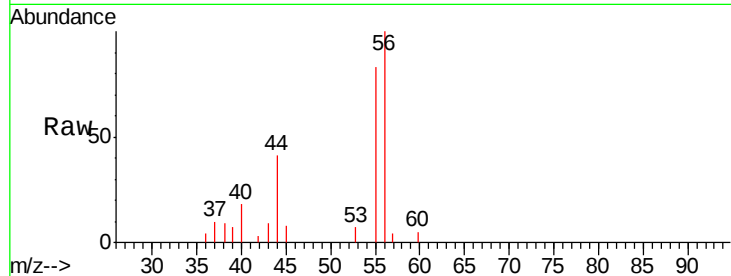
55 77.8 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 4.755 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

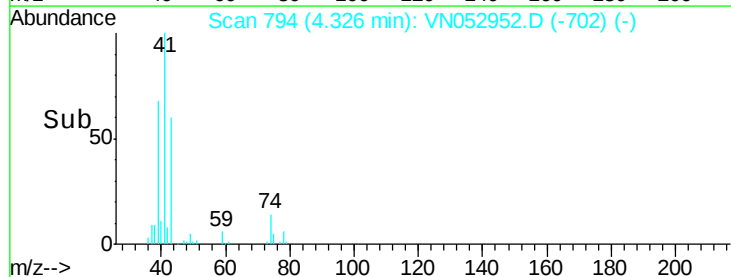
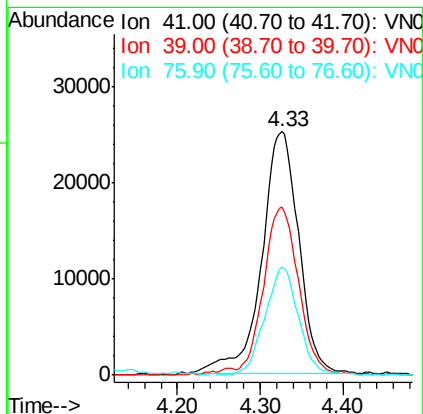
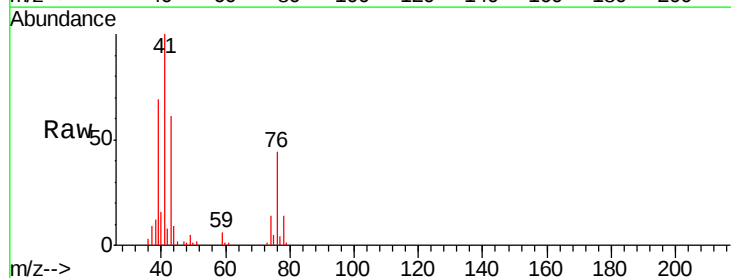
Tgt Ion: 41 Resp: 77497

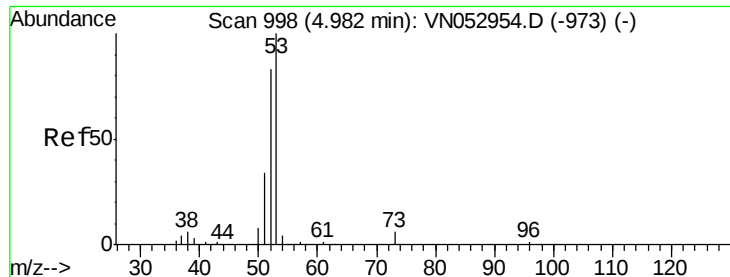
Ion Ratio Lower Upper

41 100

39 62.8 54.1 81.1

76 41.0 30.3 45.5





#15

Acrylonitrile

Concen: 24.514 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

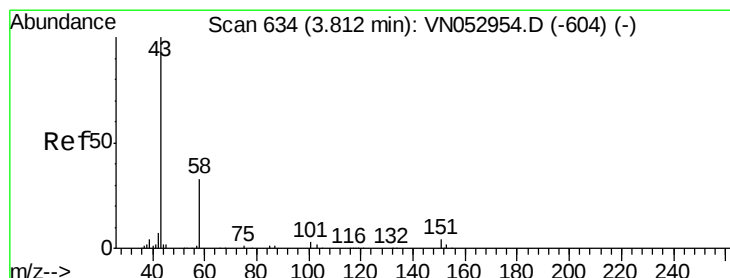
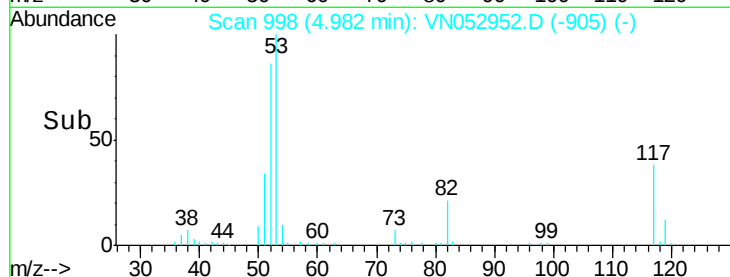
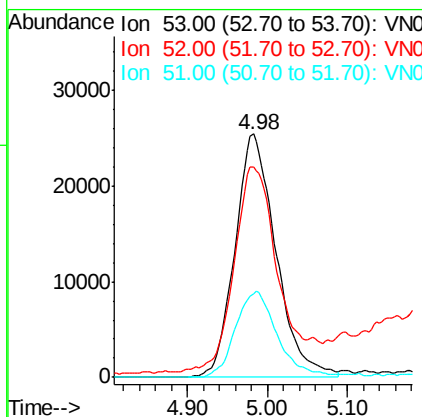
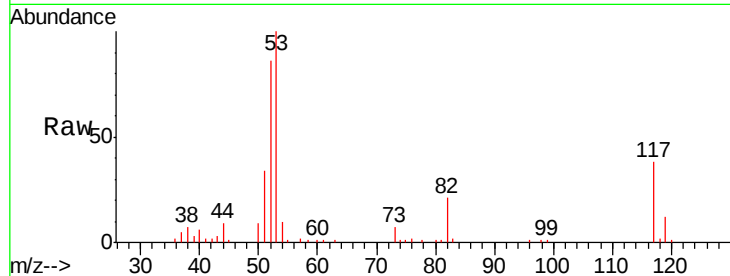
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	88680
Ion	Ratio	Lower	Upper
53	100		
52	87.6	65.1	97.7
51	36.0	28.1	42.1

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#16

Acetone

Concen: 18.166 ug/l

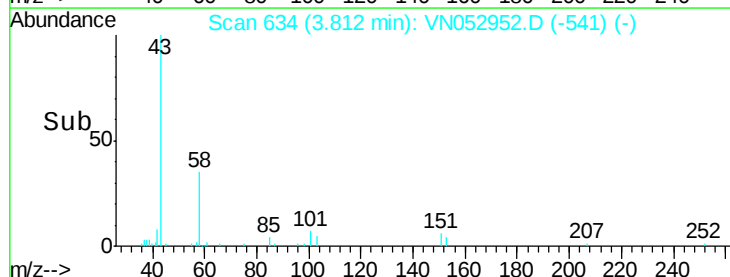
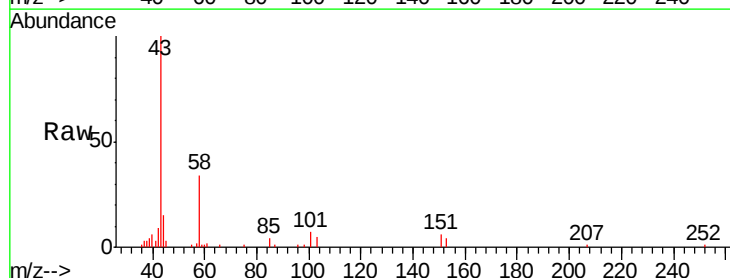
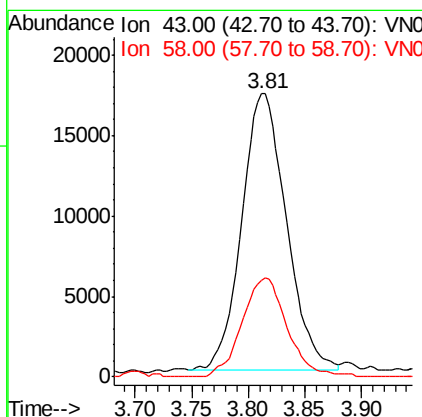
RT: 3.81 min Scan# 634

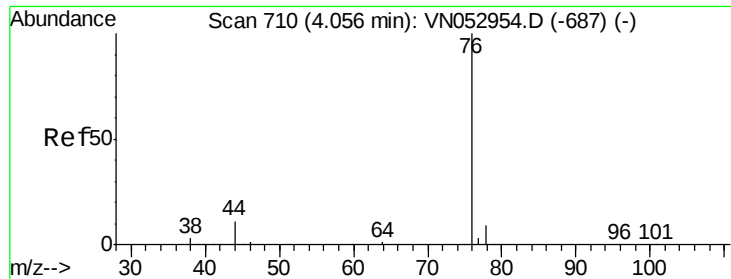
Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	43	Resp:	47086
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.4	38.0





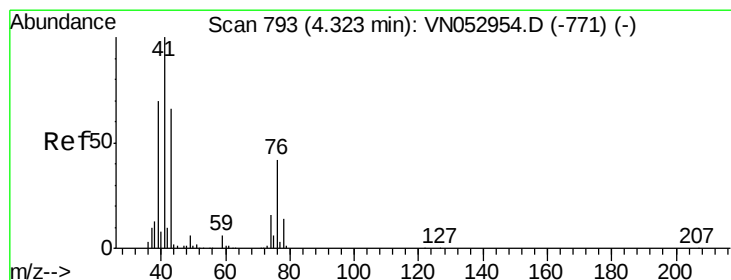
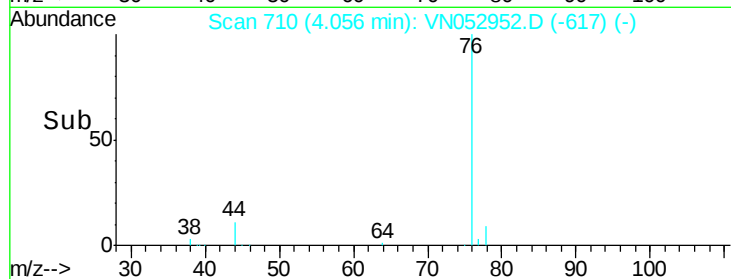
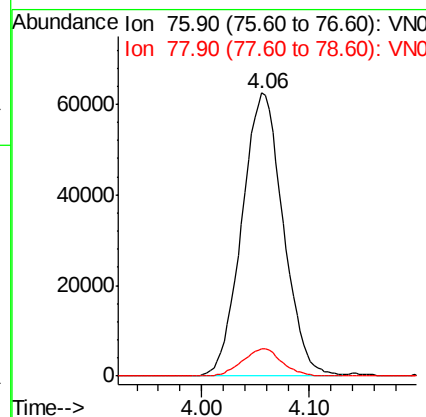
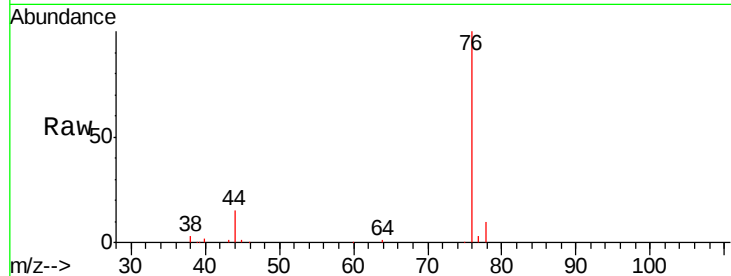
#17
Carbon Disulfide
Concen: 5.434 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

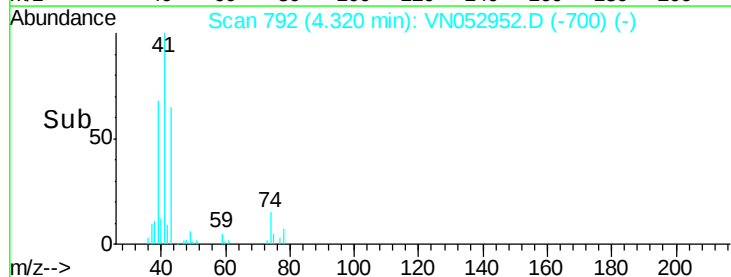
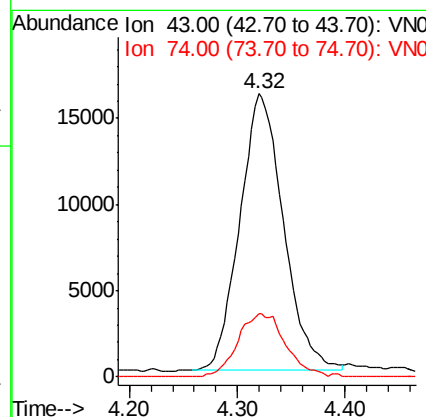
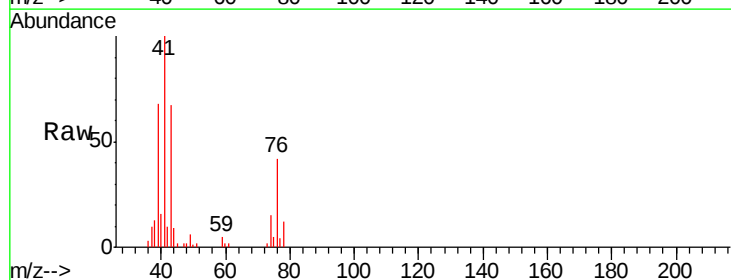
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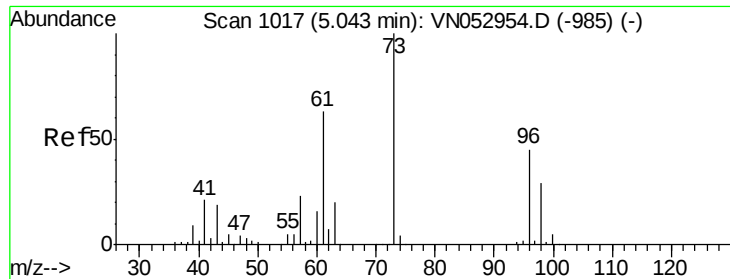
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#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





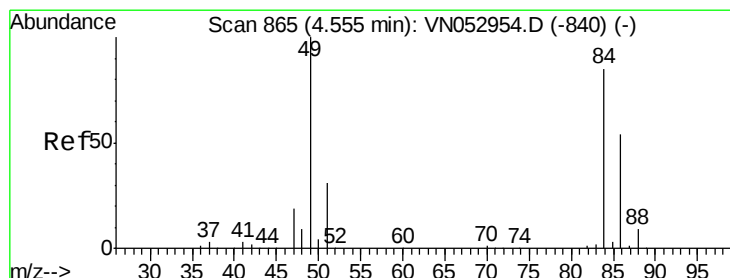
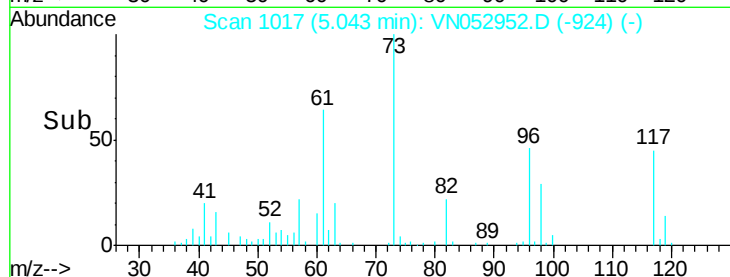
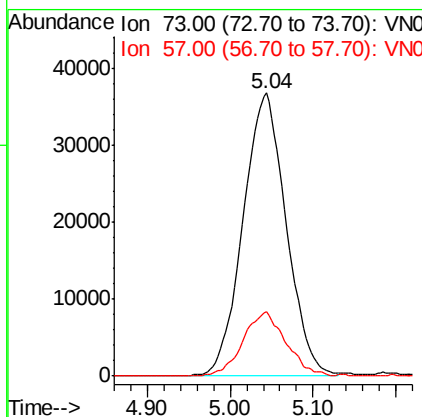
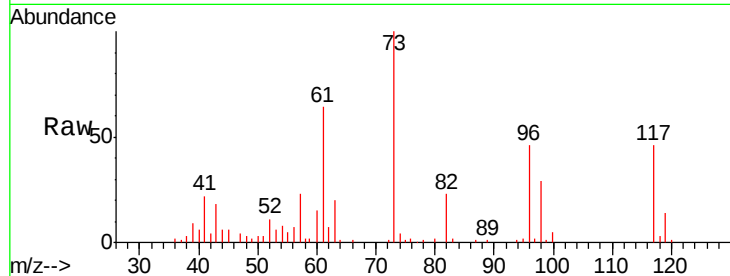
#19
Methyl tert-butyl Ether
Concen: 4.906 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 132892
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

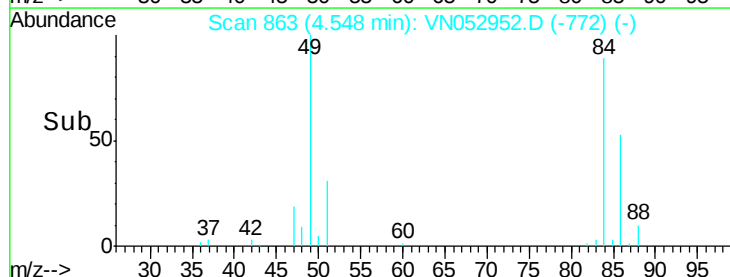
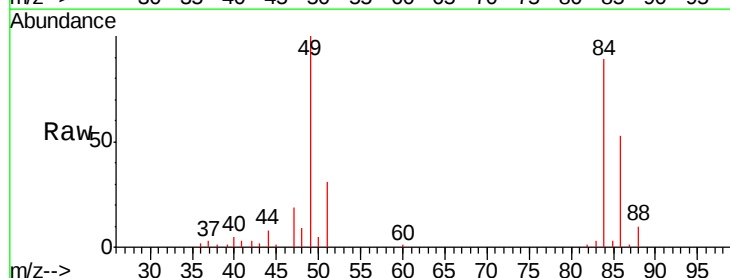
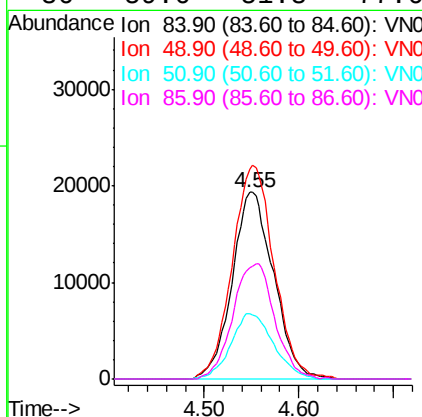
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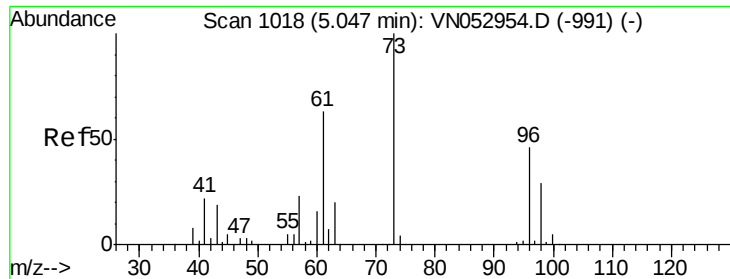
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#20
Methylene Chloride
Concen: 5.047 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 84 Resp: 58864
Ion Ratio Lower Upper
84 100
49 112.5 96.8 145.2
51 35.0 29.9 44.9
86 59.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 5.039 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 54480

Ion Ratio Lower Upper

96 100

61 137.2 110.8 166.2

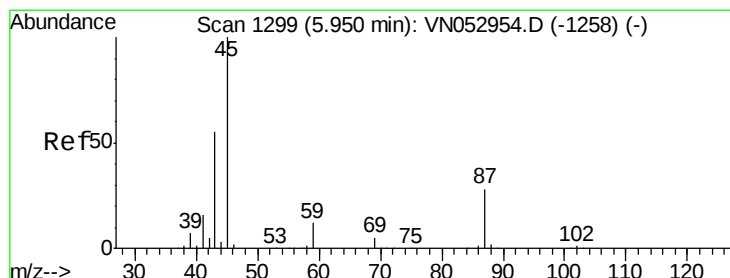
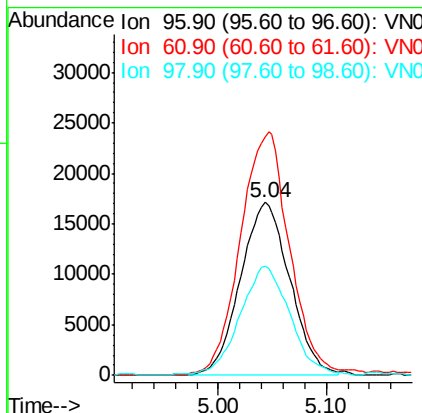
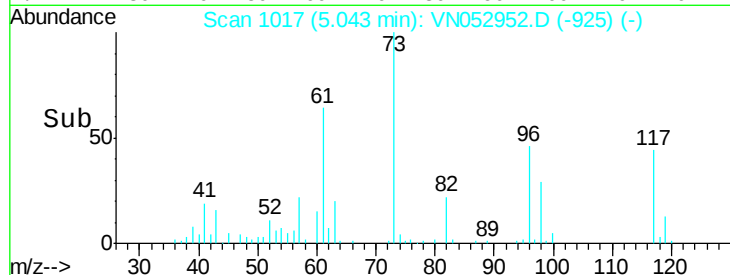
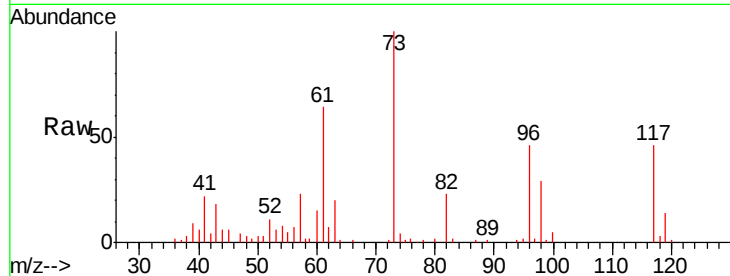
98 62.1 51.4 77.2

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#22

Diisopropyl ether

Concen: 4.725 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion: 45 Resp: 164288

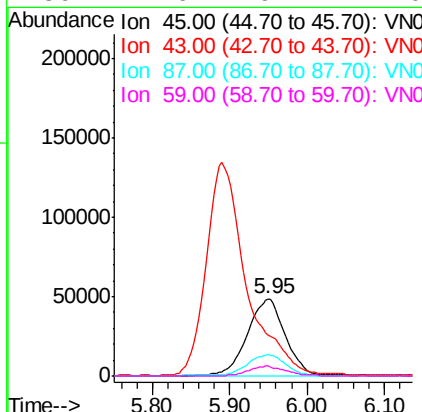
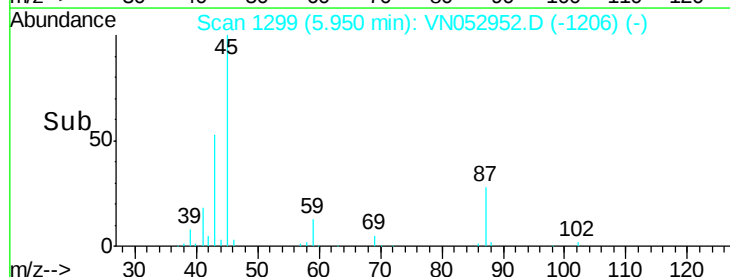
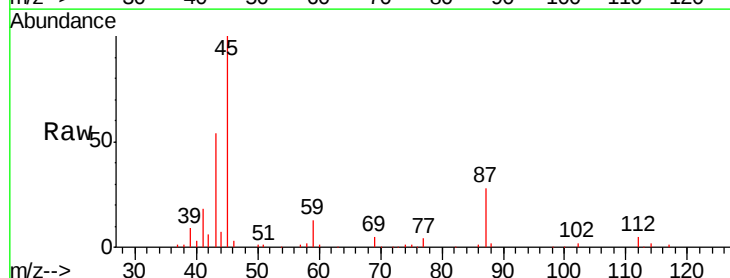
Ion Ratio Lower Upper

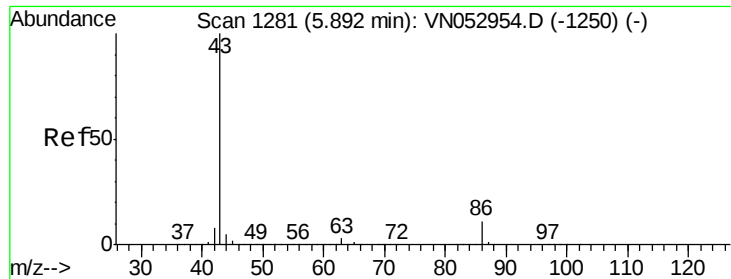
45 100

43 51.0 45.5 68.3

87 28.0 22.0 33.0

59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 23.516 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 486557

Ion Ratio Lower Upper

43 100

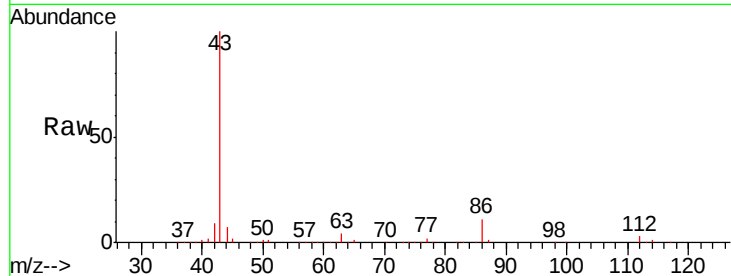
86 10.8 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

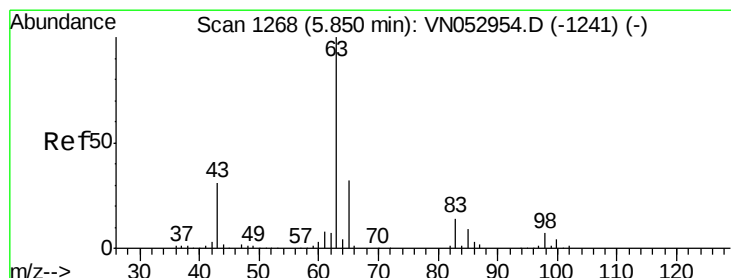
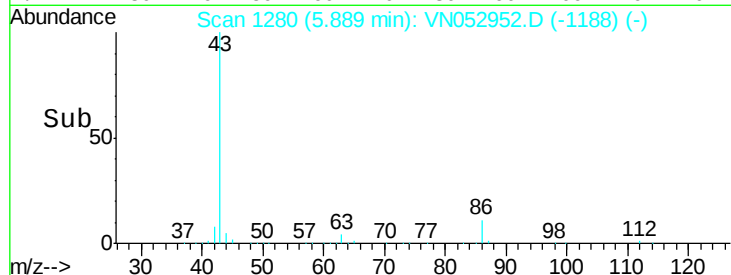
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 4.971 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

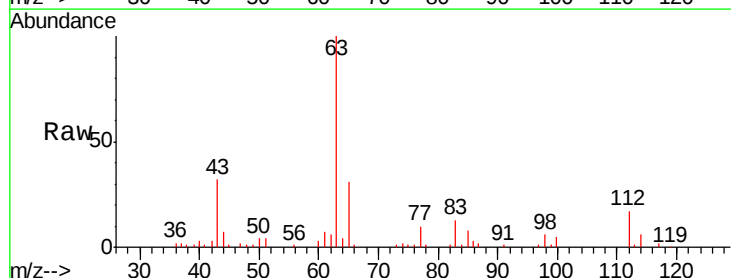
Tgt Ion: 63 Resp: 99677

Ion Ratio Lower Upper

63 100

98 4.8 3.1 9.4

100 5.3 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

5.85

40000

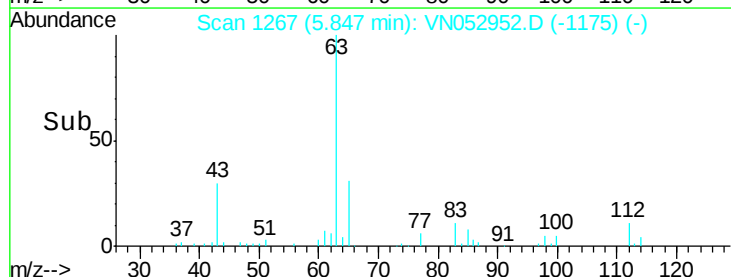
30000

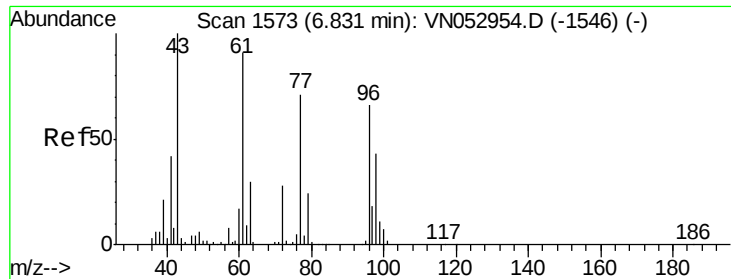
20000

10000

0

Time--> 5.70 5.80 5.90





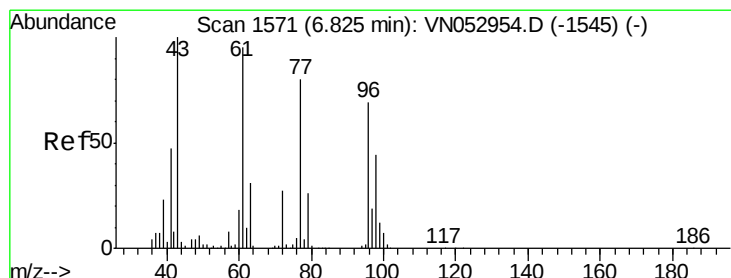
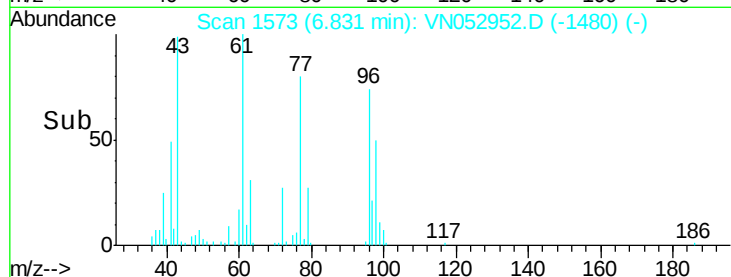
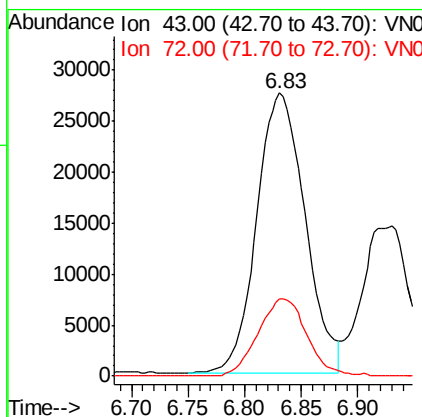
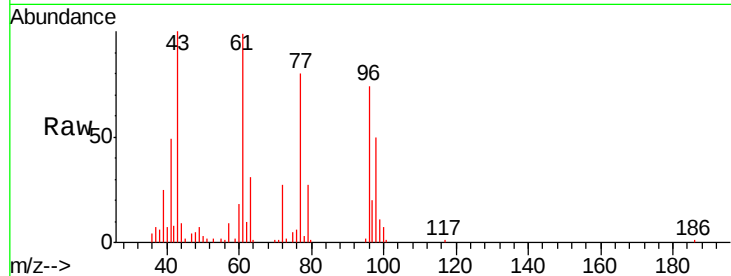
#25
2-Butanone
Concen: 20.177 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 81148
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6

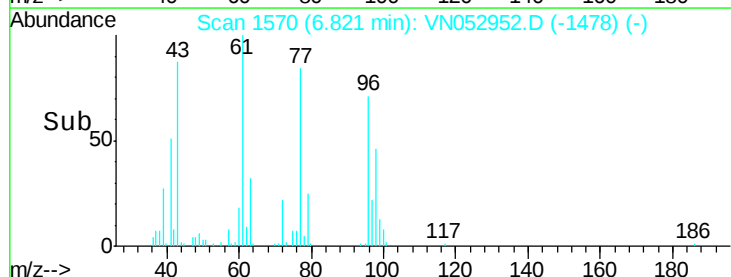
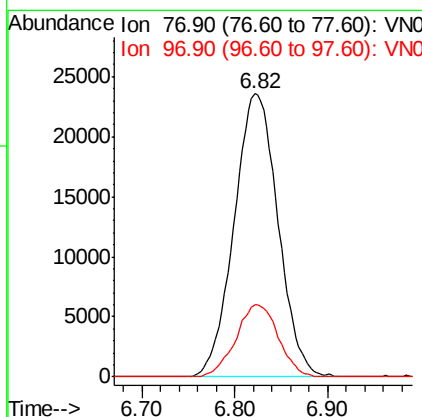
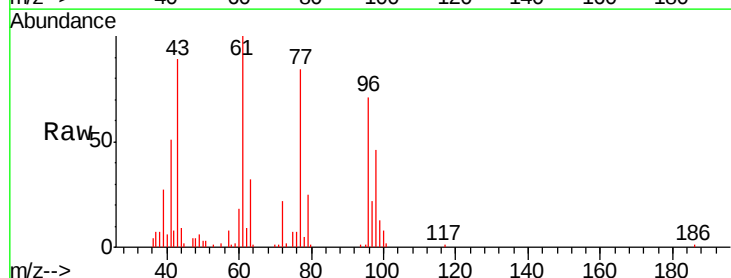
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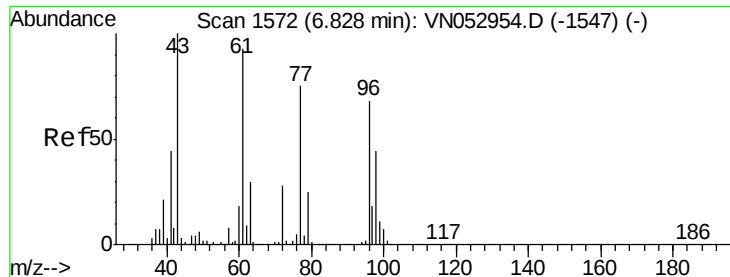
MMDadoda
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#26
2,2-Dichloropropane
Concen: 5.241 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 77 Resp: 77397
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 4.933 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

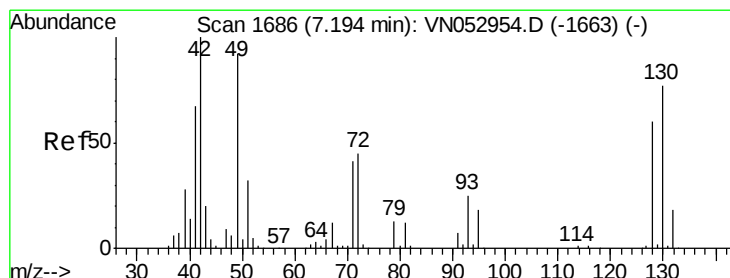
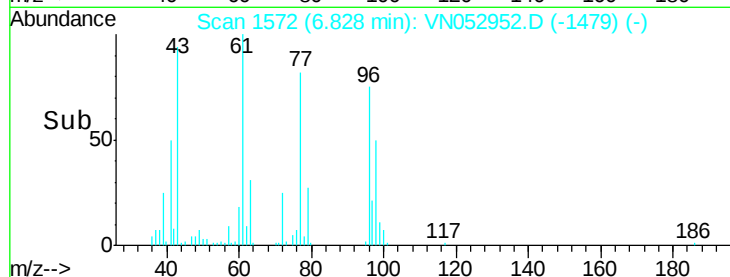
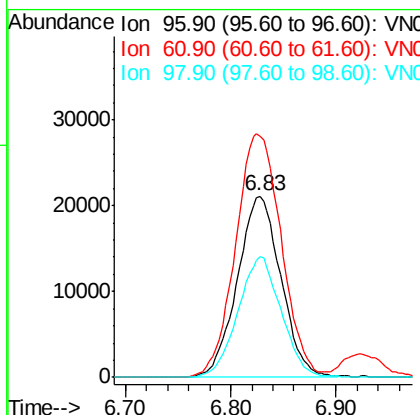
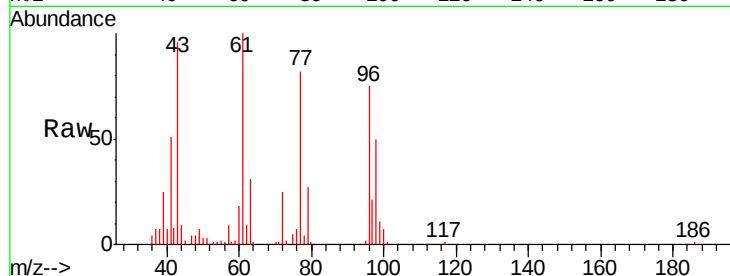
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	60532
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	284.2
98	65.9	0.0	129.2

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#28

Bromochloromethane

Concen: 4.683 ug/l

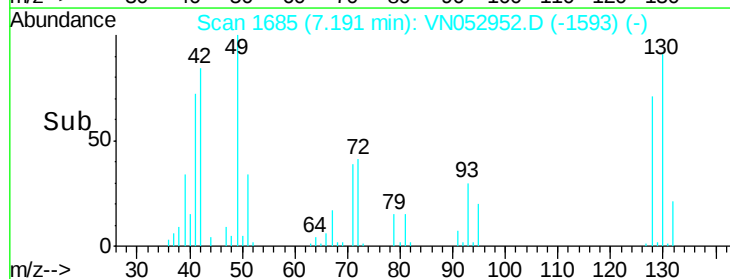
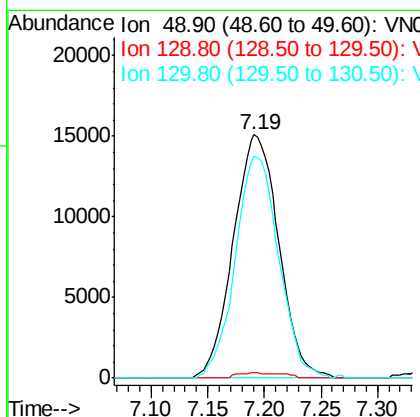
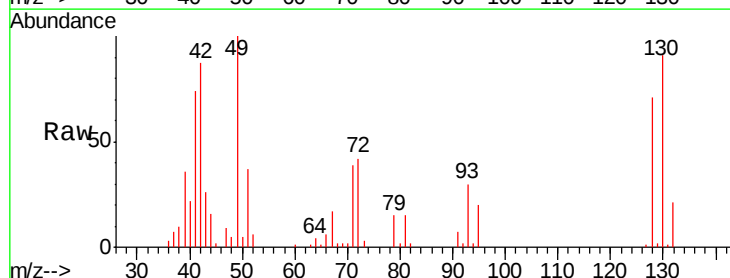
RT: 7.19 min Scan# 1685

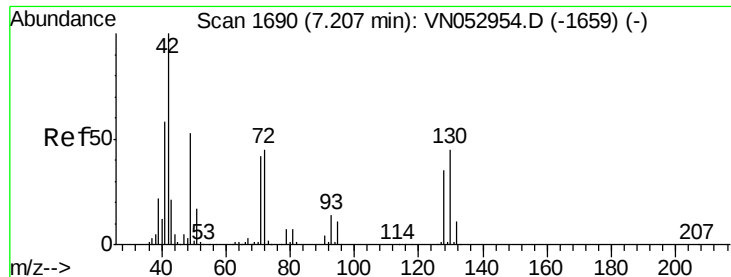
Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	49	Resp:	42169
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	87.1	63.3	94.9





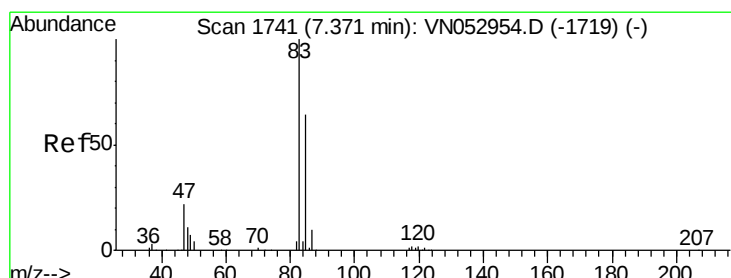
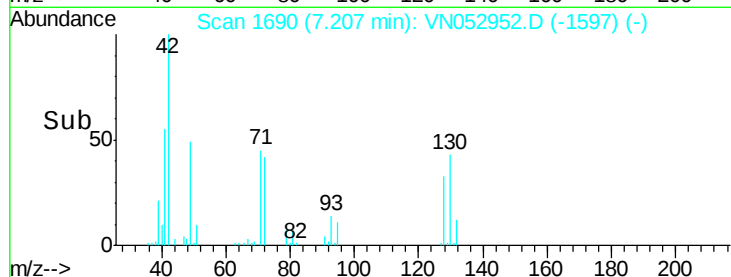
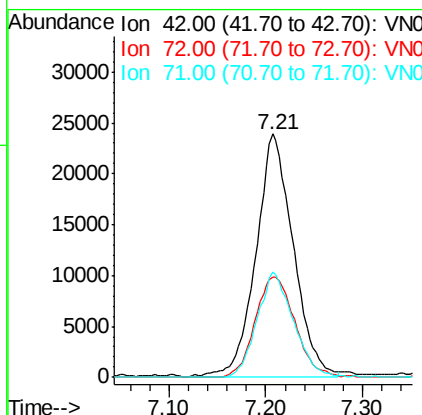
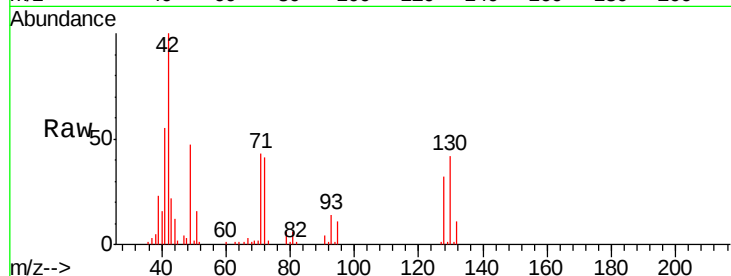
#29
Tetrahydrofuran
Concen: 23.451 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 64388
Ion Ratio Lower Upper
42 100
72 43.6 34.7 52.1
71 41.9 32.3 48.5

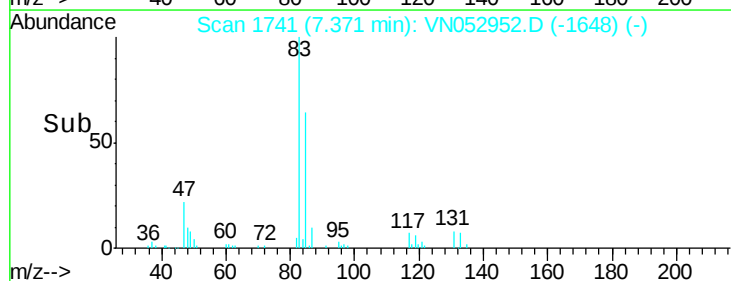
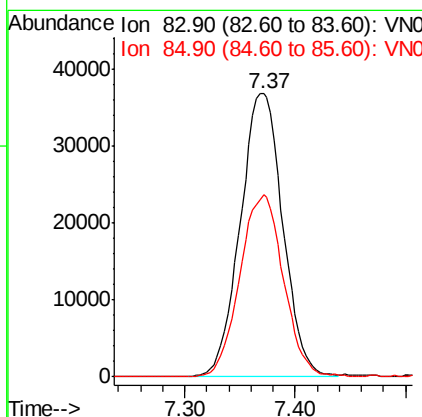
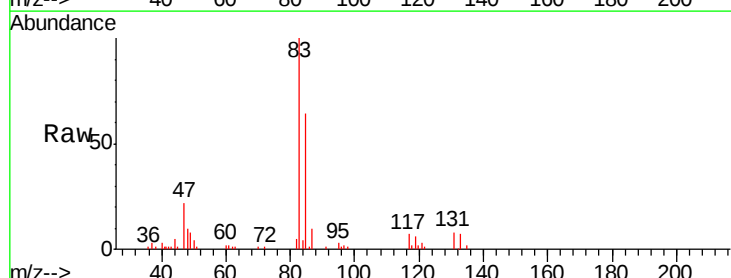
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#30
Chloroform
Concen: 5.033 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 83 Resp: 98415
Ion Ratio Lower Upper
83 100
85 64.2 52.1 78.1





#31

Cyclohexane

Concen: 4.946 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 110568
Ion Ratio Lower Upper

56 100

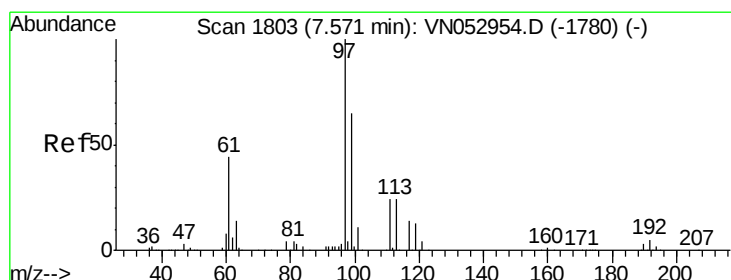
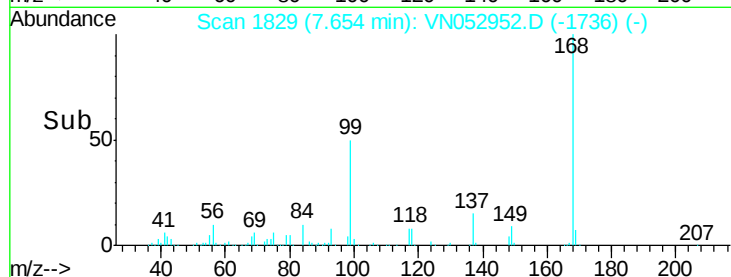
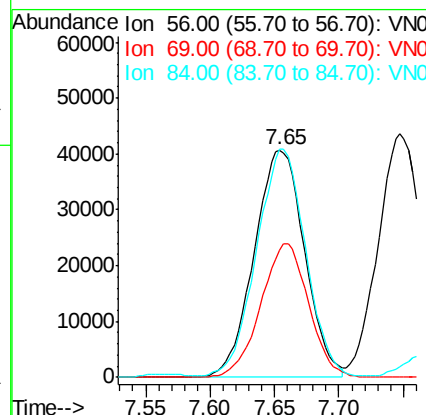
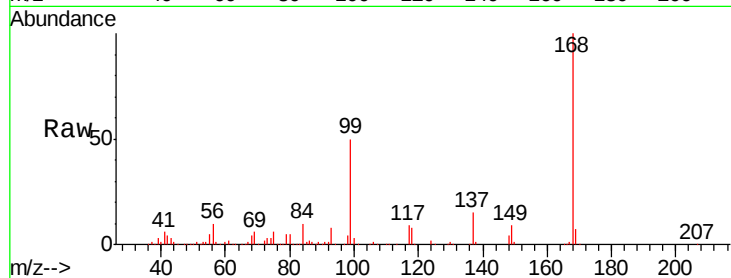
69 55.7 26.6 39.8#

84 99.7 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 5.219 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052952.D

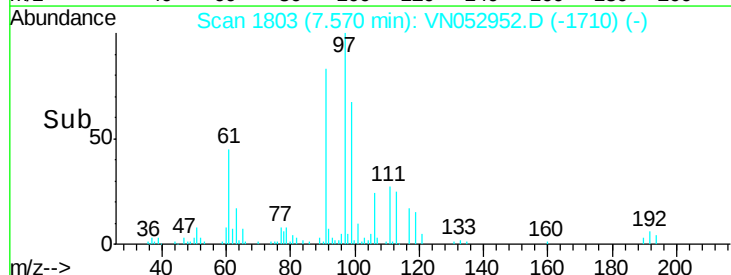
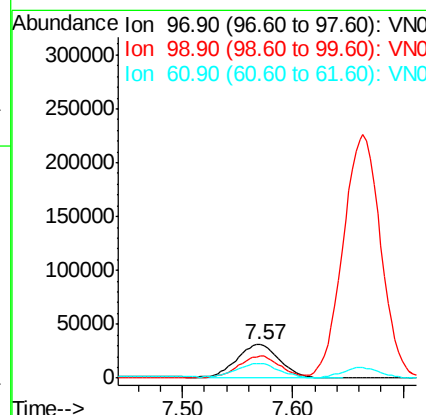
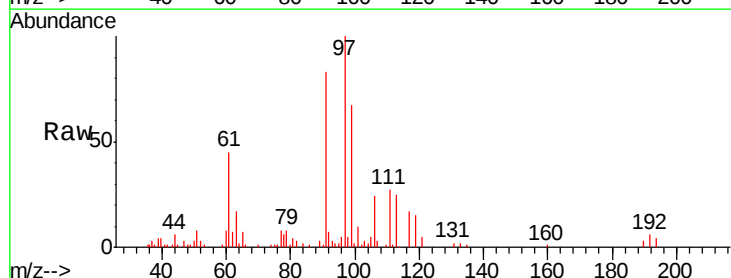
Acq: 18 Dec 2018 10:56

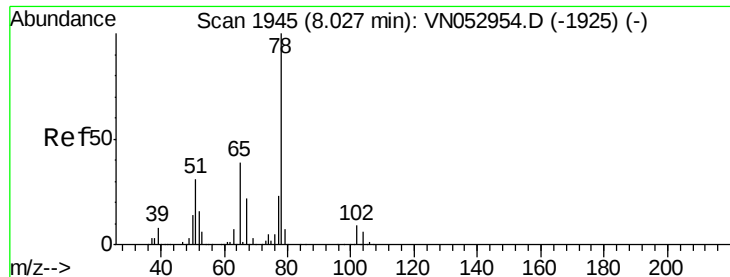
Tgt Ion: 97 Resp: 85389
Ion Ratio Lower Upper

97 100

99 61.1 51.1 76.7

61 40.8 35.0 52.6





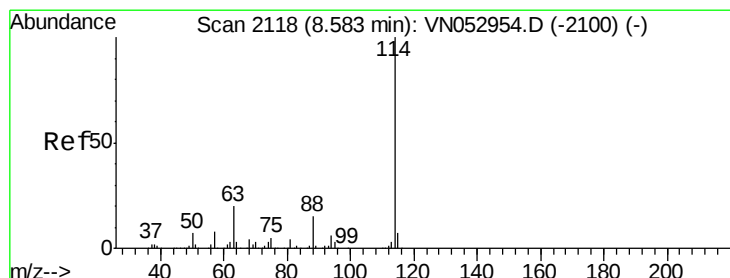
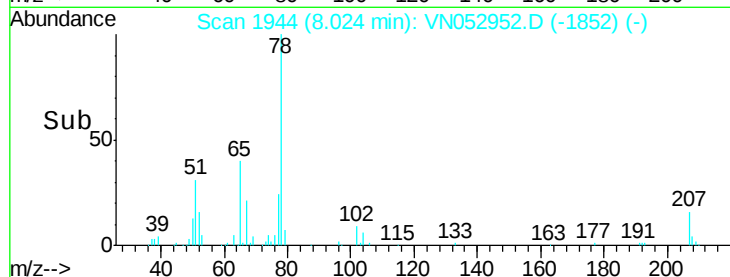
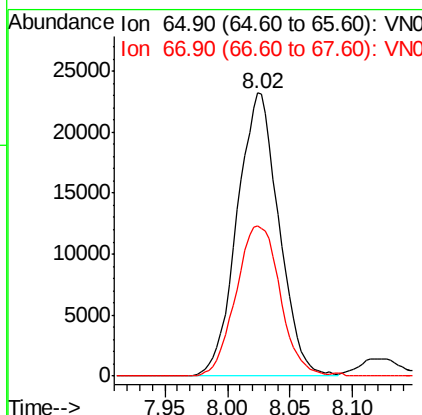
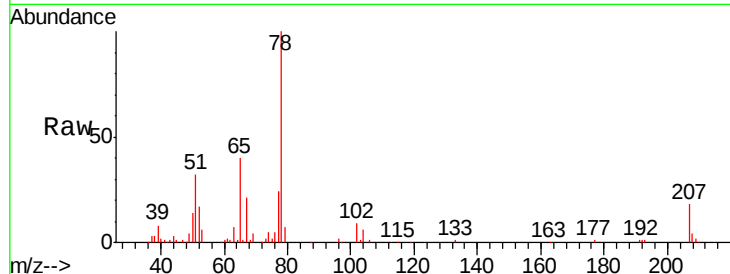
#33
 1,2-Dichloroethane-d4
 Concen: 5.219 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 53787
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.4

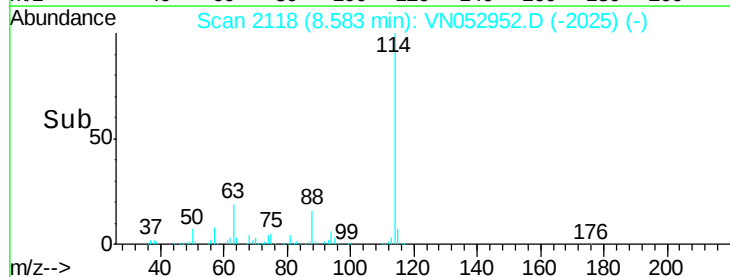
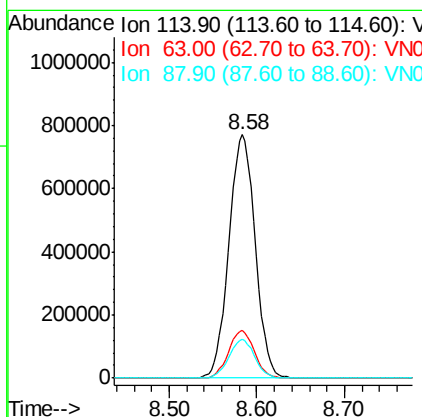
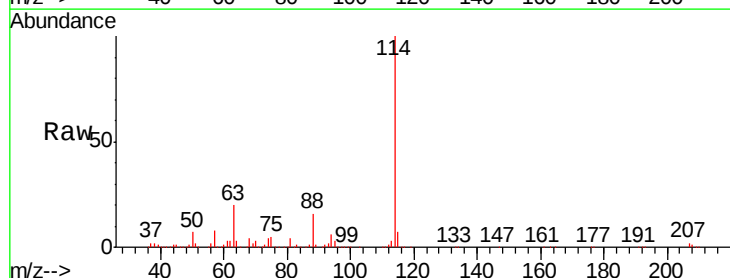
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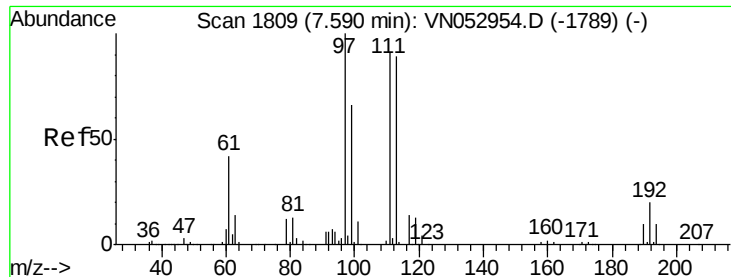
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion: 114 Resp: 1607724
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.7 0.0 31.0





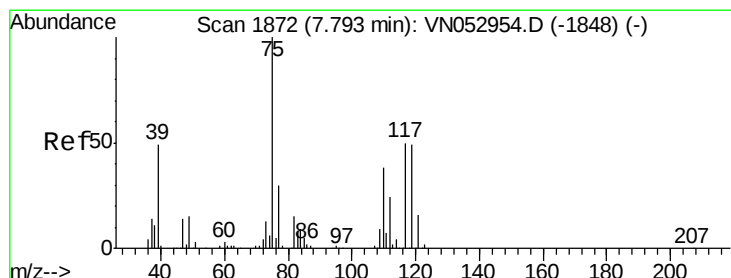
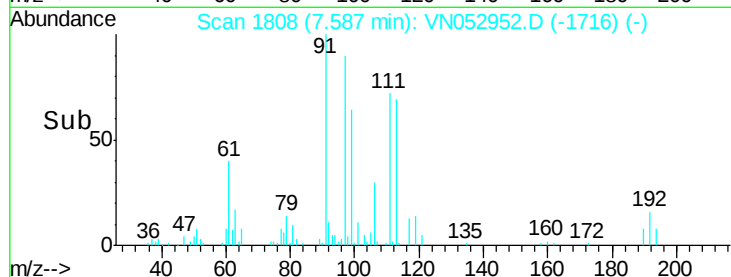
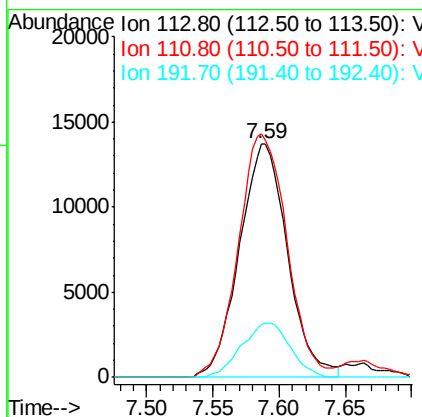
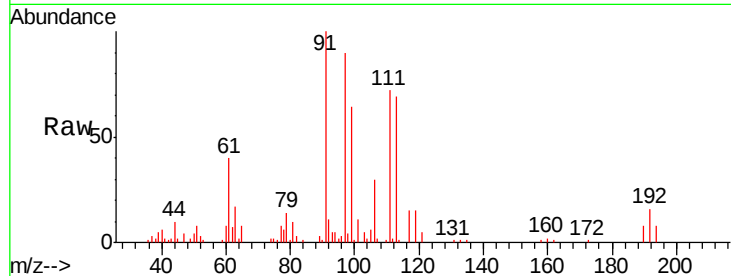
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	34626		
111	104.9	83.0	124.4	
192	23.6	17.5	26.3	

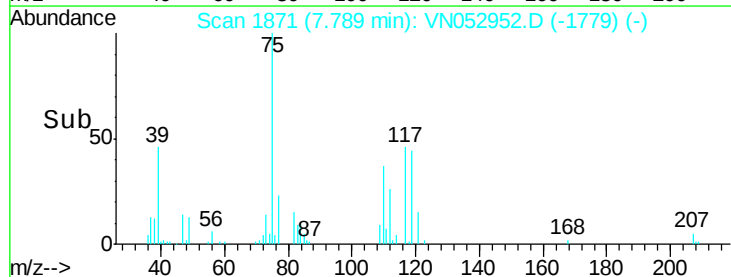
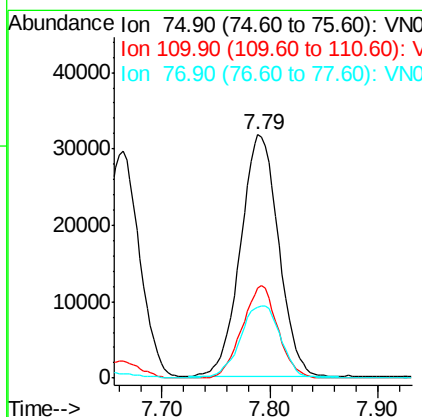
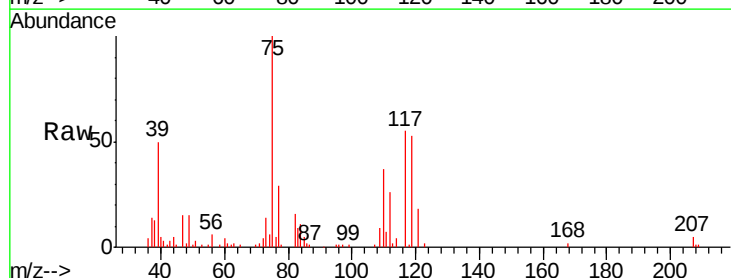
Manual Integrations
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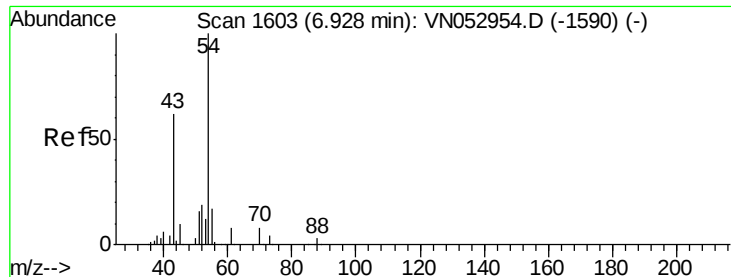
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#36
1,1-Dichloropropene
Concen: 5.236 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77519		
110	35.7	18.2	54.6	
77	31.7	24.9	37.3	





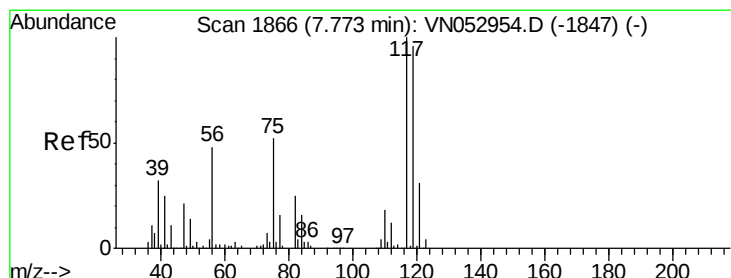
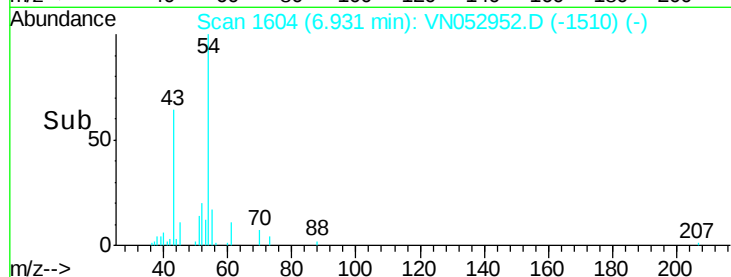
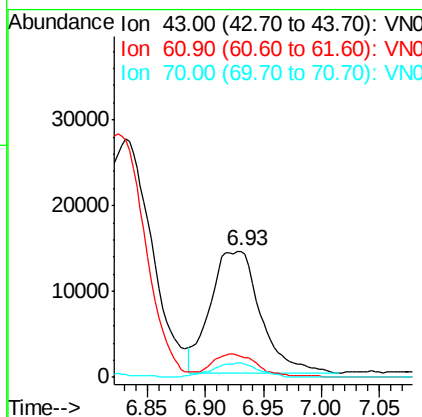
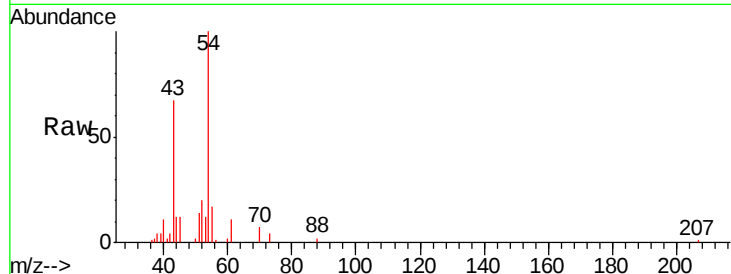
#37
Ethyl Acetate
Concen: 4.847 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.8	17.6
70	10.6	8.4	12.6

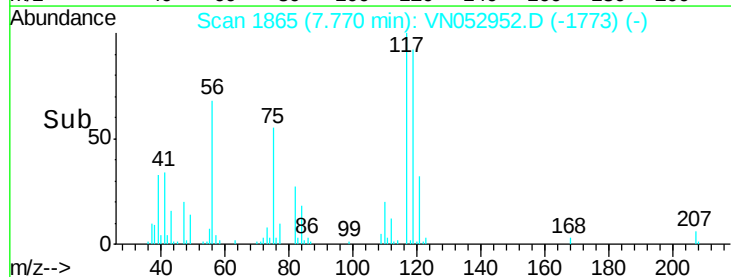
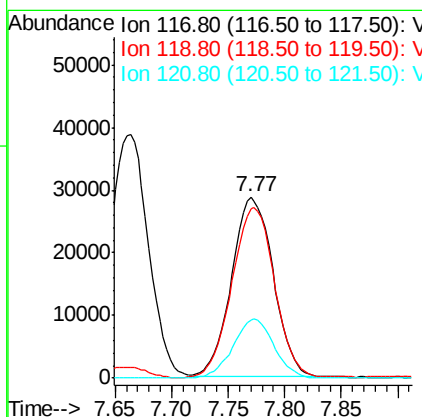
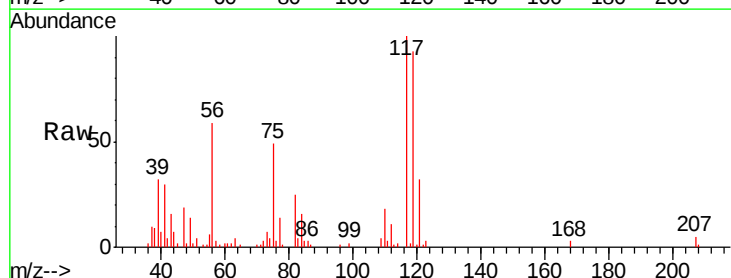
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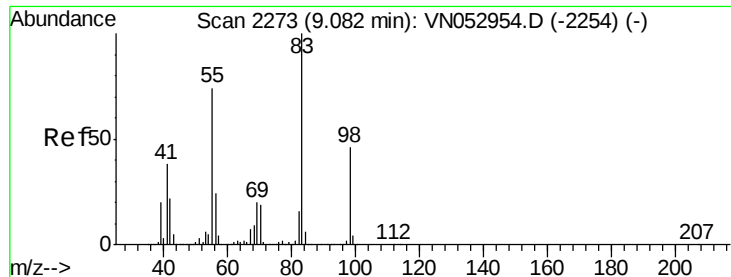
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#38
Carbon Tetrachloride
Concen: 5.417 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.1	115.7
121	32.5	24.9	37.3





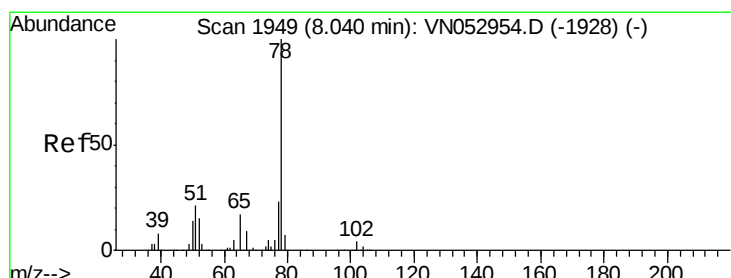
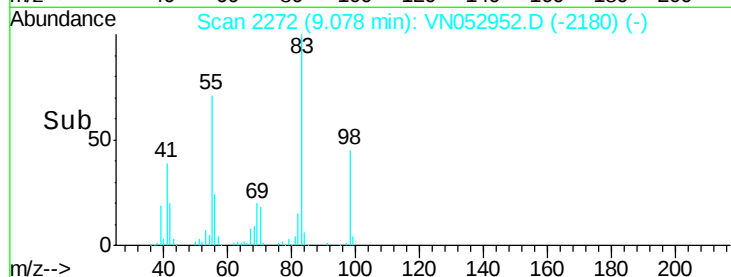
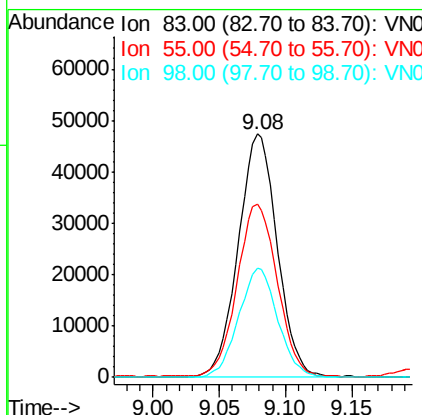
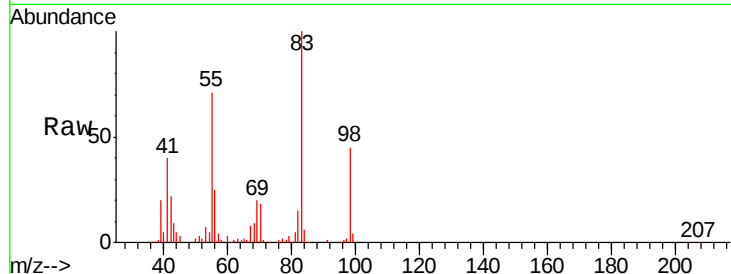
#39
Methylcyclohexane
Concen: 5.345 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.8	61.3	91.9
98	44.7	37.0	55.4

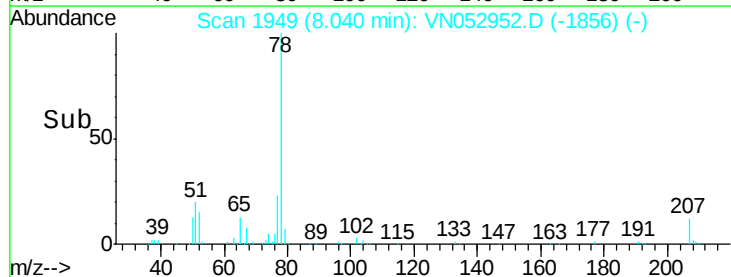
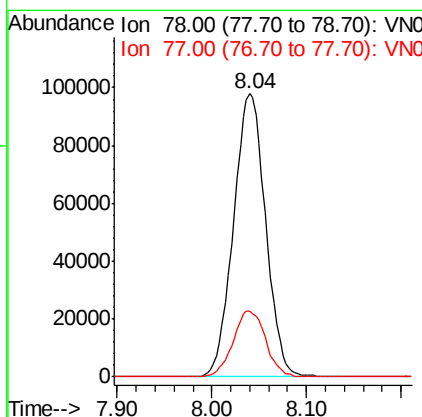
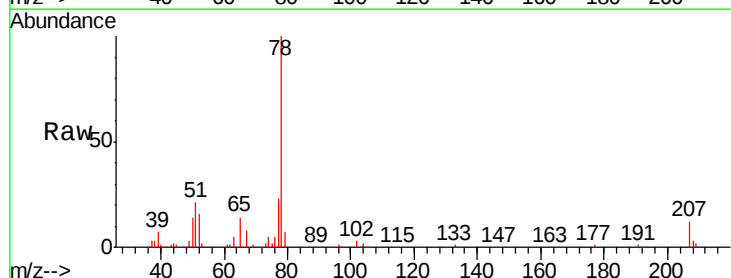
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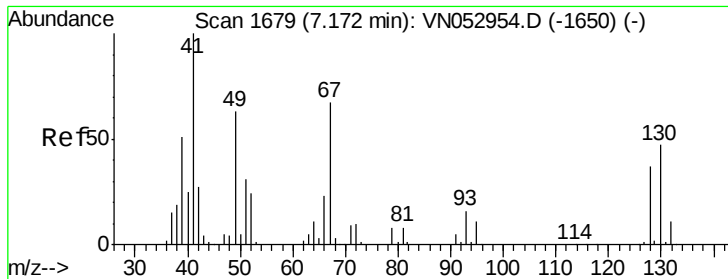
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#40
Benzene
Concen: 5.196 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





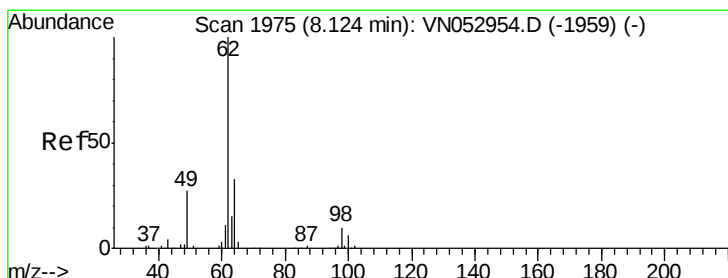
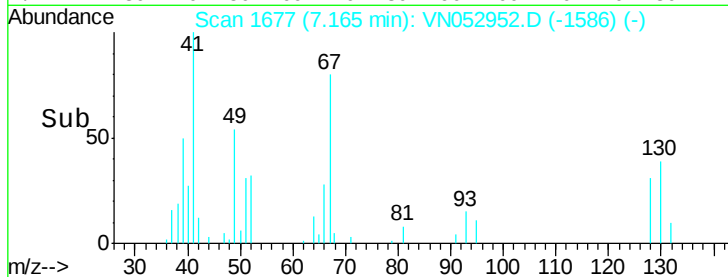
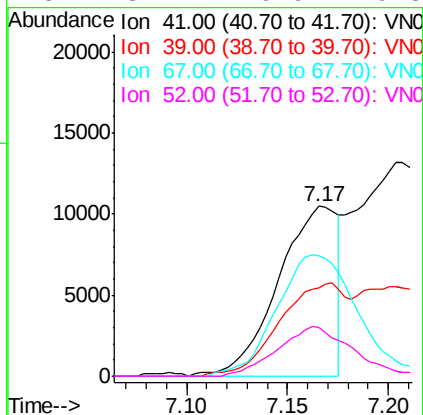
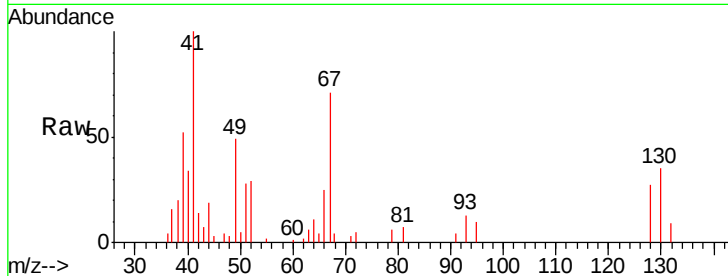
#41
Methacrylonitrile
Concen: 4.323 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	21301
Ion	Ratio	Lower	Upper
41	100		
39	62.9	48.0	72.0
67	98.0	70.3	105.5
52	37.1	26.9	40.3

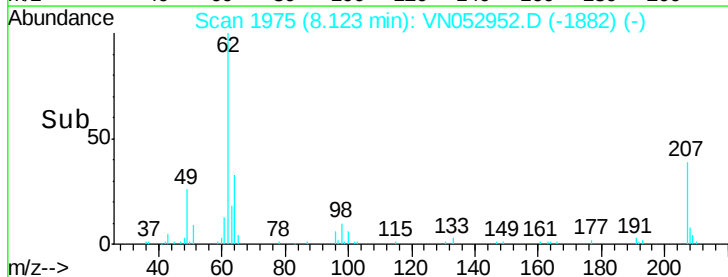
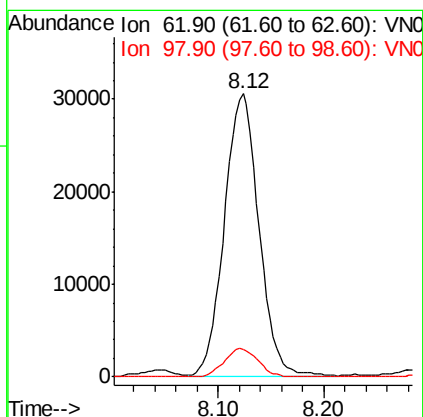
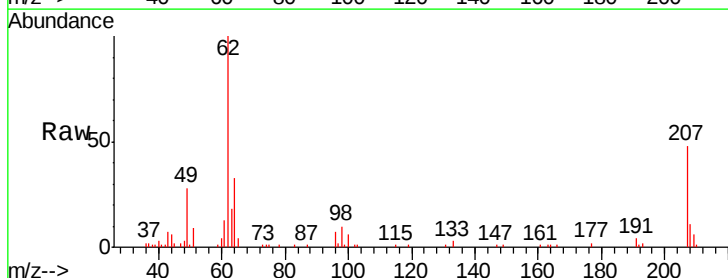
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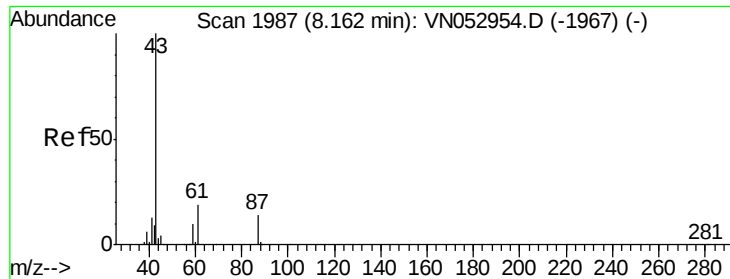
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.214 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion:	62	Resp:	69744
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 5.383 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

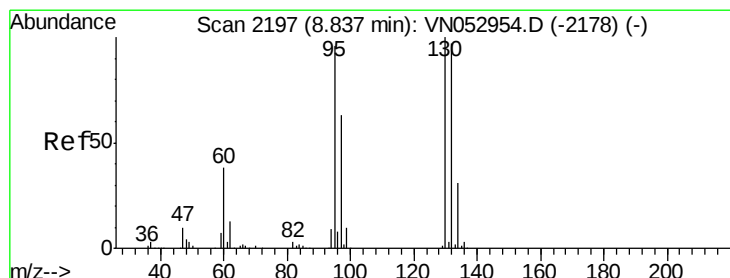
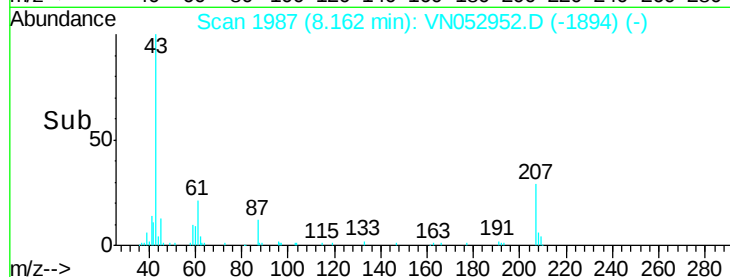
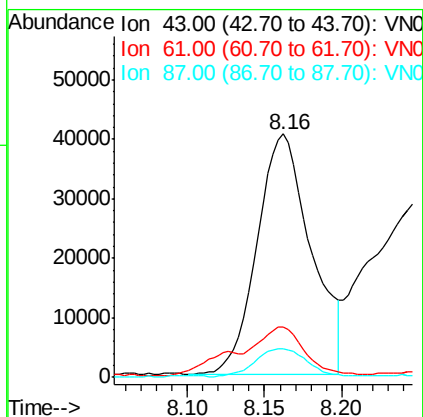
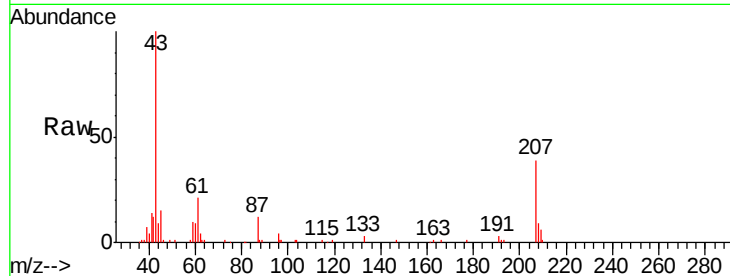
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	98159
Ion Ratio		Lower	Upper
43	100		
61	16.9	22.9	34.3#
87	11.7	10.6	15.8

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#44

Trichloroethene

Concen: 5.523 ug/l

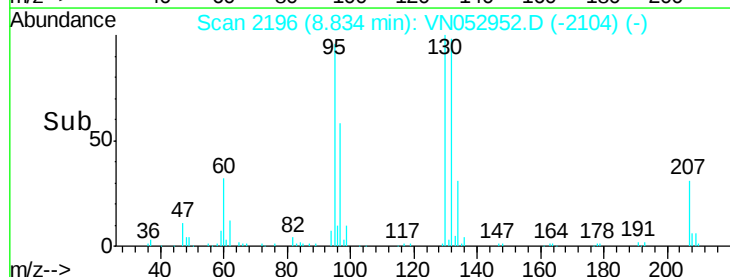
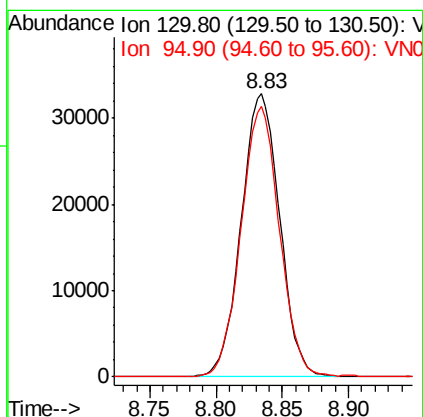
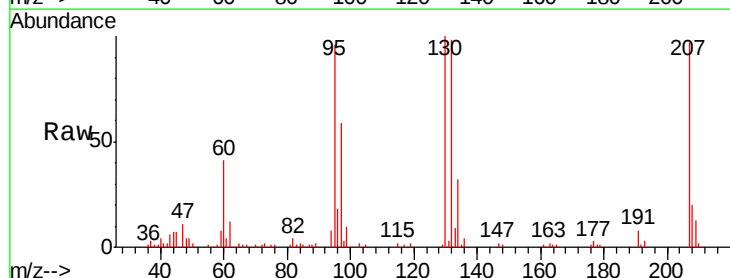
RT: 8.83 min Scan# 2196

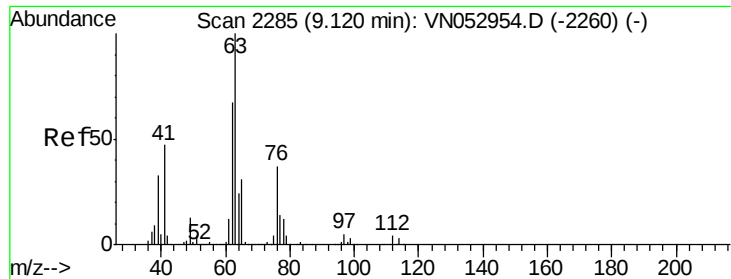
Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	130	Resp:	66291
Ion Ratio		Lower	Upper
130	100		
95	95.6	0.0	197.8





#45

1,2-Dichloropropane

Concen: 5.128 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 59687

Ion Ratio Lower Upper

63 100

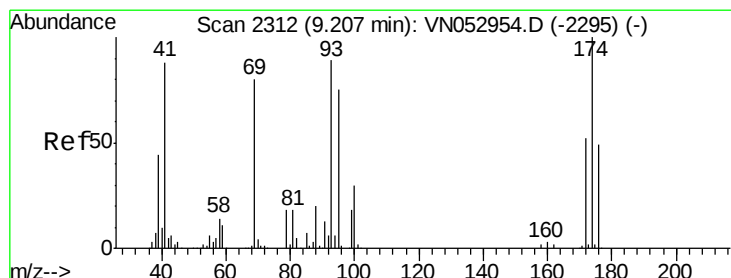
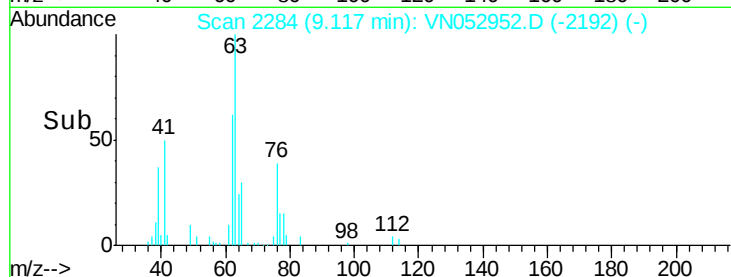
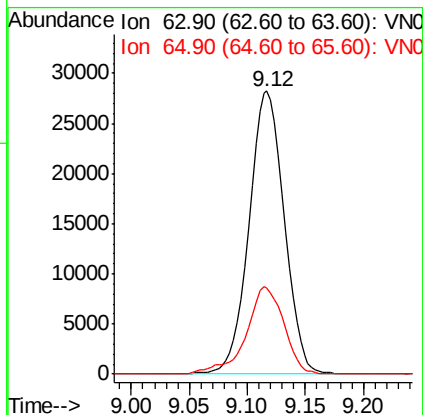
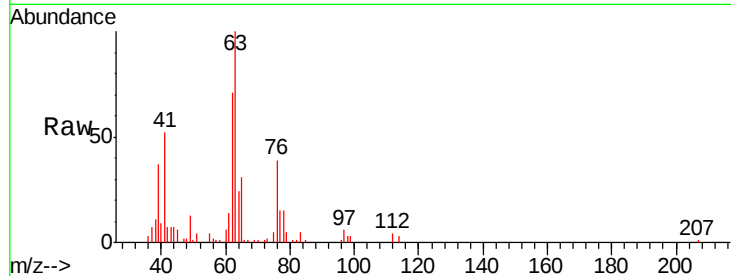
65 30.7 24.6 37.0

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#46

Dibromomethane

Concen: 5.190 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

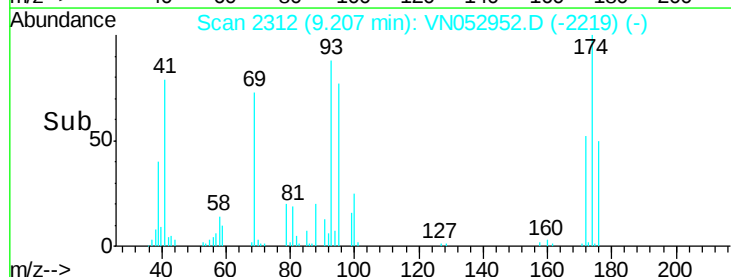
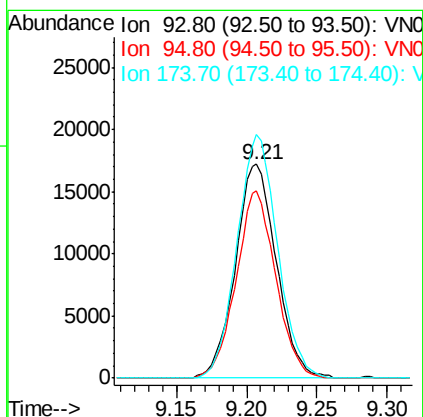
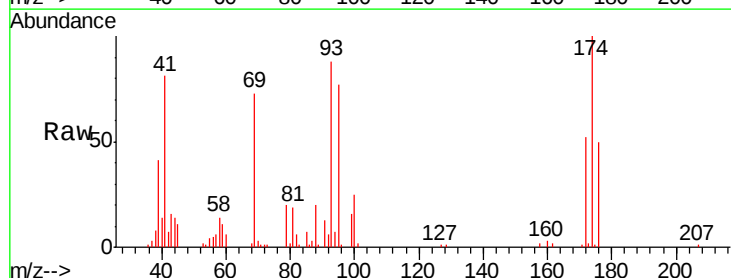
Tgt Ion: 93 Resp: 35029

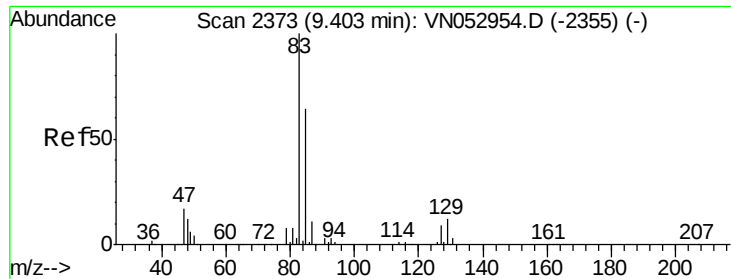
Ion Ratio Lower Upper

93 100

95 84.6 67.8 101.6

174 112.3 89.0 133.4





#47

Bromodichloromethane

Concen: 5.457 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

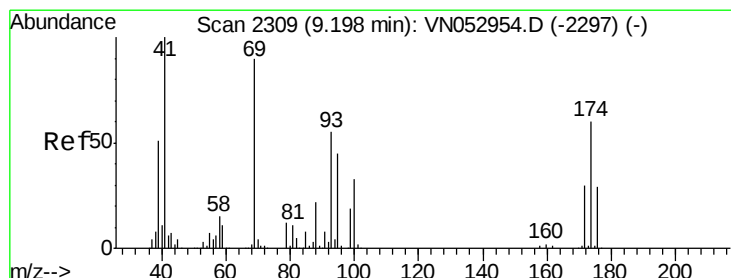
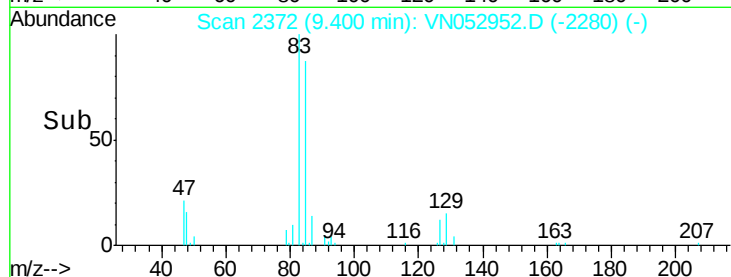
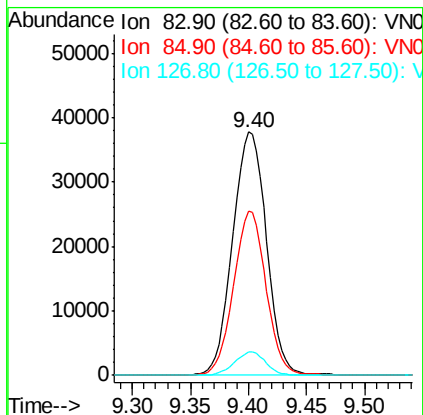
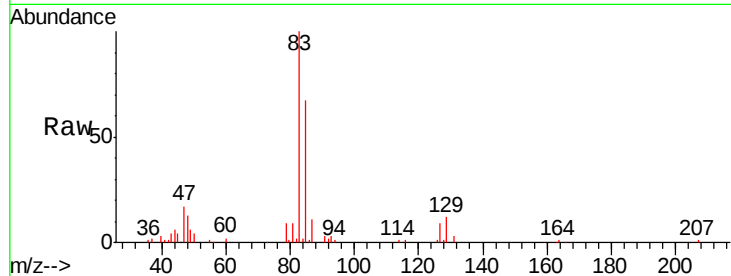
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	76377
Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.6	77.4
127	9.5	7.1	10.7

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#48

Methyl methacrylate

Concen: 4.938 ug/l

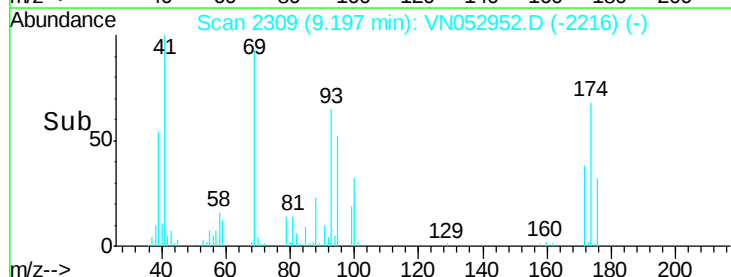
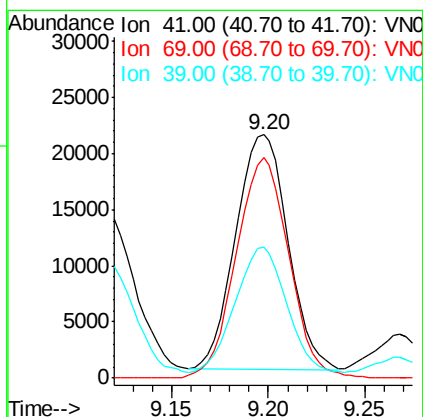
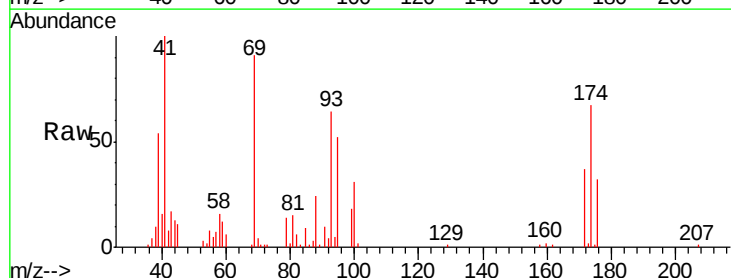
RT: 9.20 min Scan# 2309

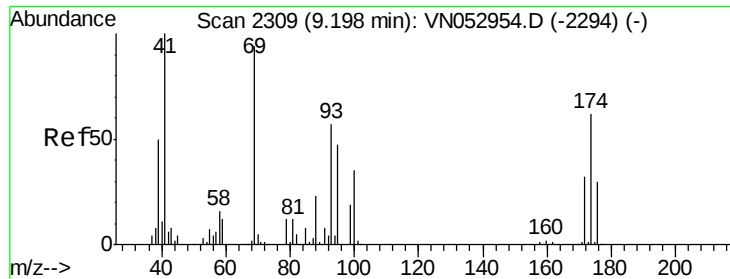
Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	41	Resp:	39486
Ion	Ratio	Lower	Upper
41	100		
69	94.4	72.2	108.2
39	56.1	41.9	62.9





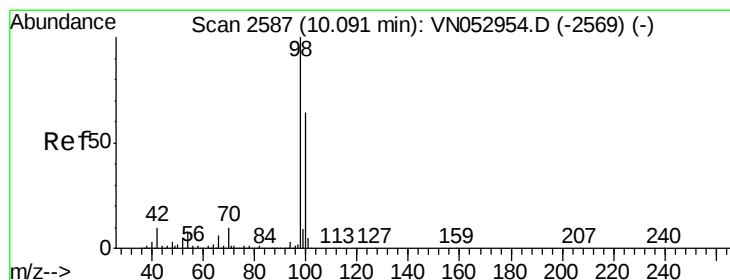
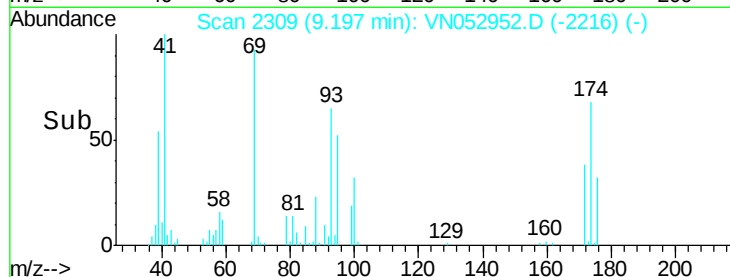
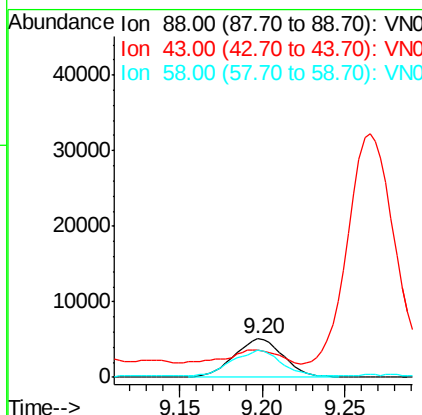
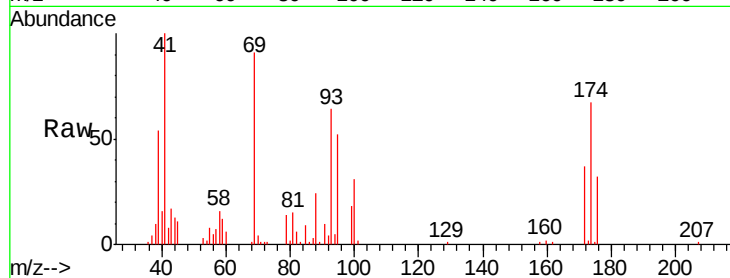
#49
1,4-Dioxane
Concen: 115.963 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.6	40.0
58	75.7	58.4	87.6

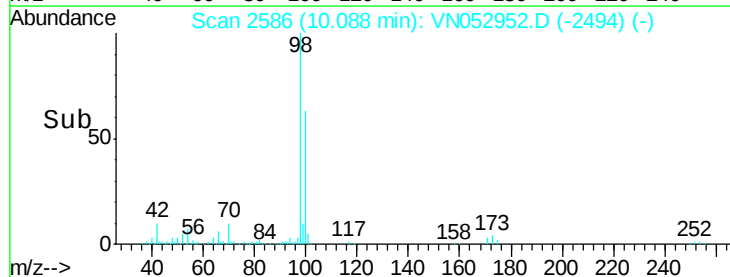
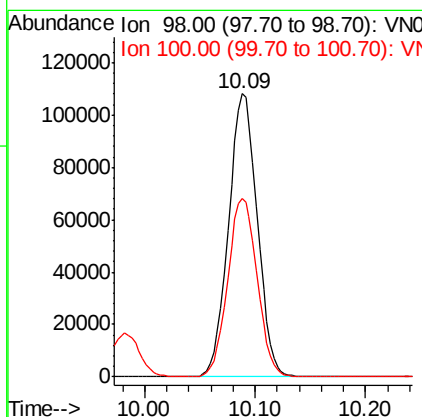
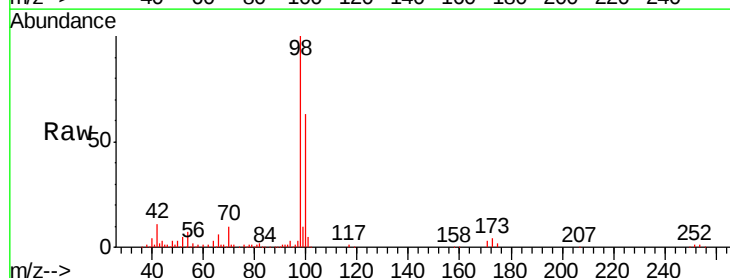
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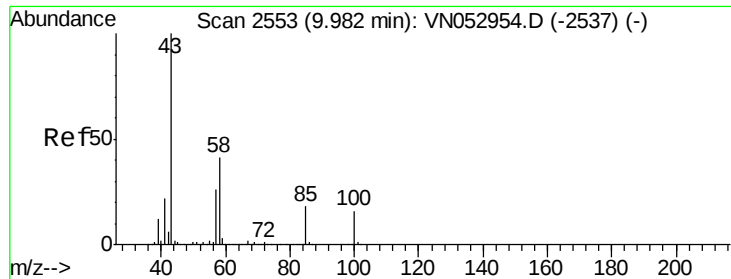
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#50
Toluene-d8
Concen: 115.963 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





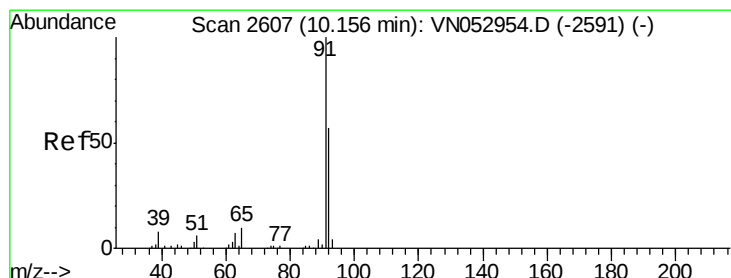
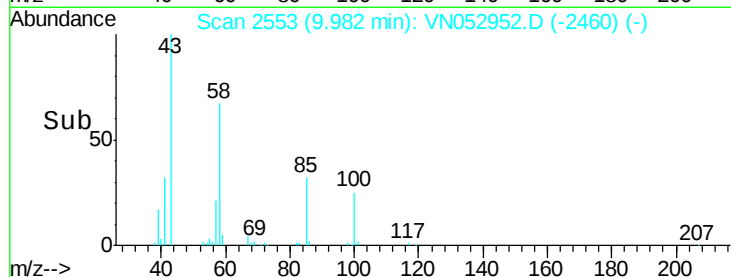
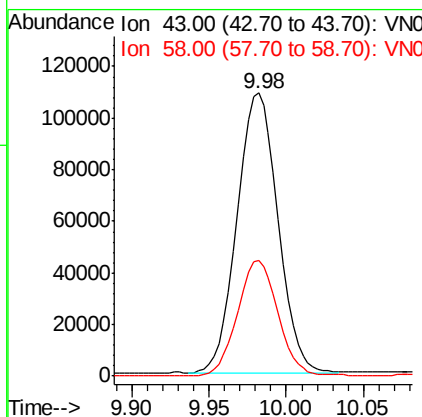
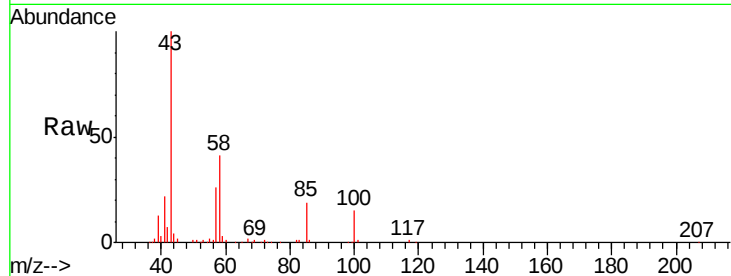
#51
 4-Methyl-2-Pentanone
 Concen: 23.937 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 200149
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.2 48.4

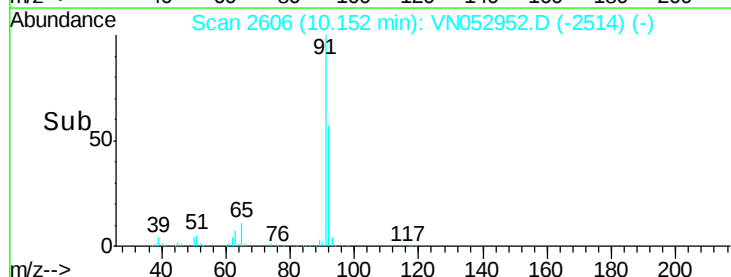
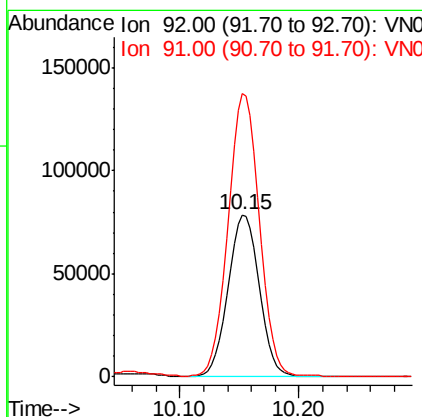
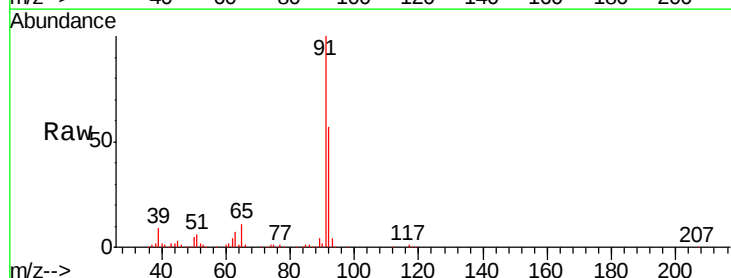
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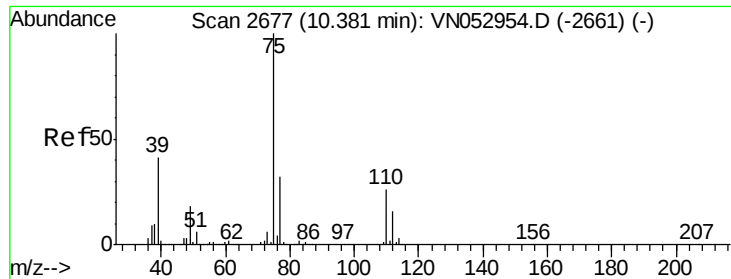
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#52
 Toluene
 Concen: 5.313 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion: 92 Resp: 142997
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





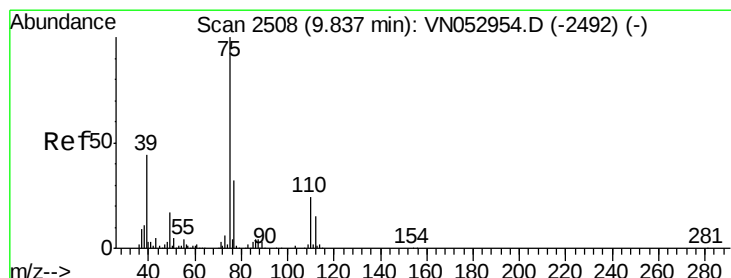
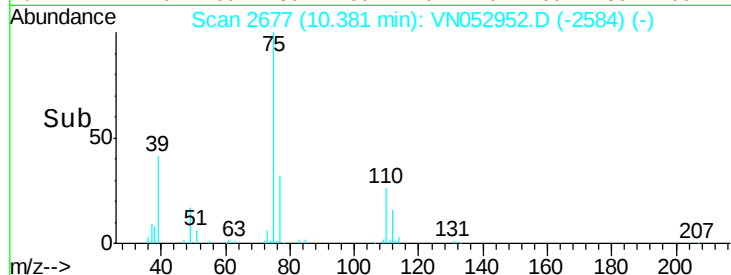
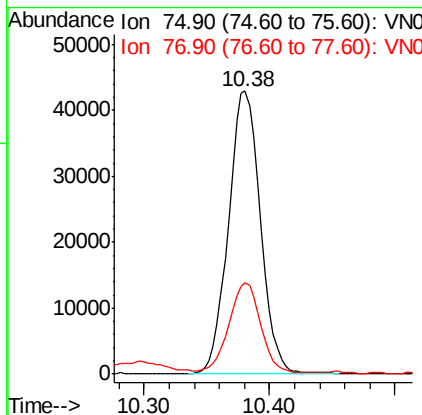
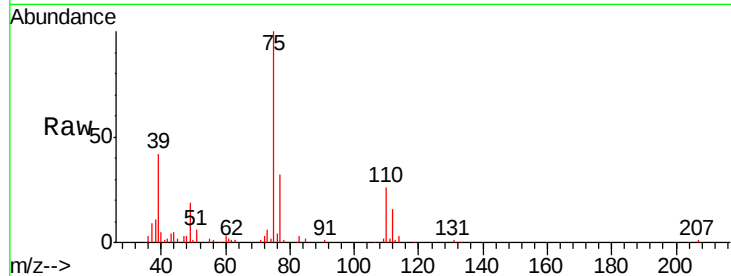
#53
t-1,3-Dichloropropene
Concen: 5.384 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 75839
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

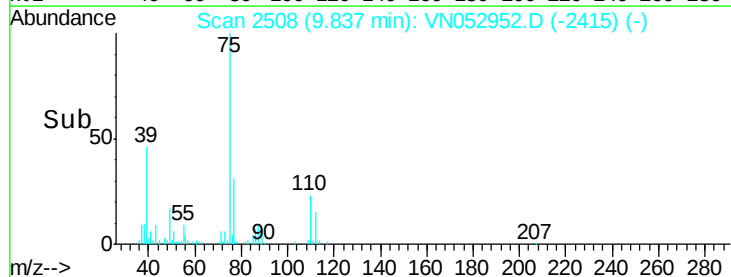
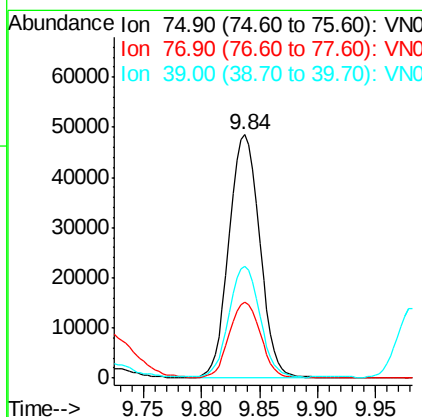
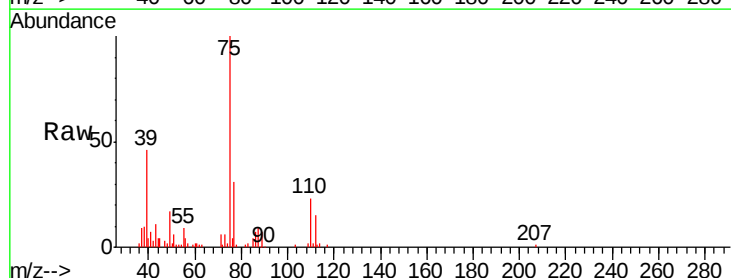
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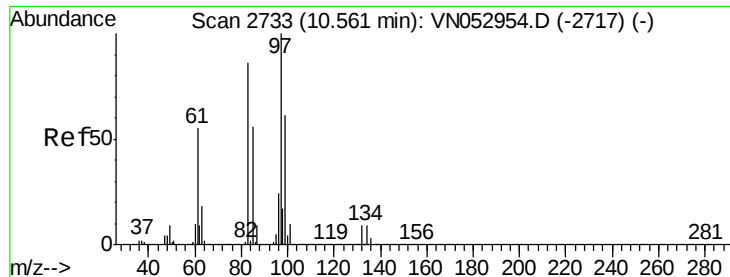
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#54
cis-1,3-Dichloropropene
Concen: 5.345 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 75 Resp: 89715
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 45.2 34.8 52.2





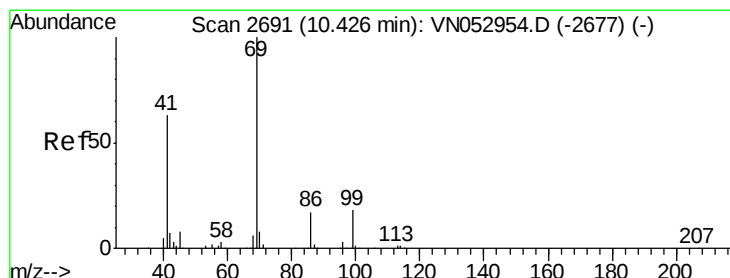
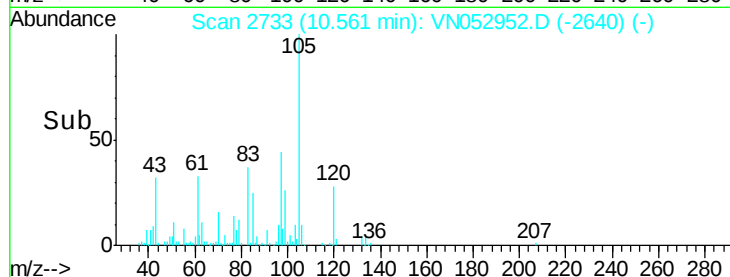
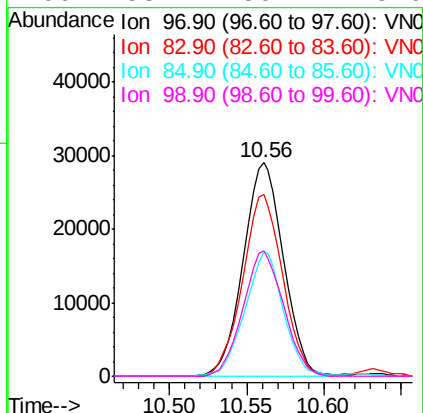
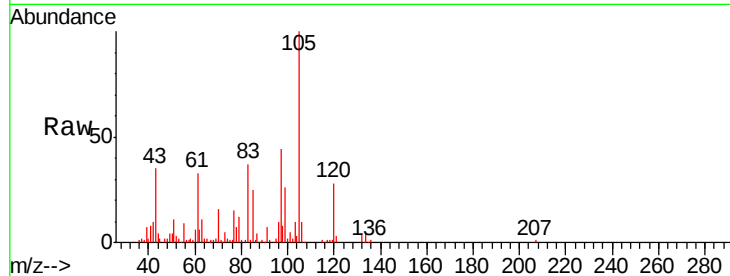
#55
 1,1,2-Trichloroethane
 Concen: 5.472 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.9	106.3
85	58.1	45.4	68.2
99	58.7	50.4	75.6

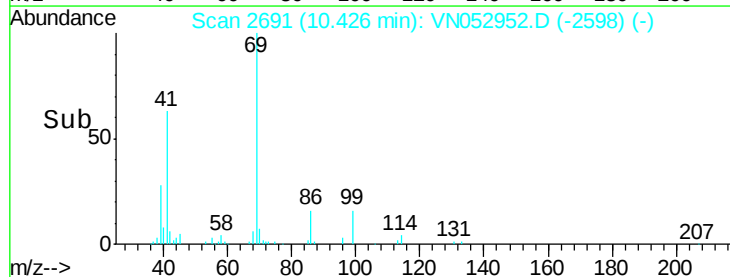
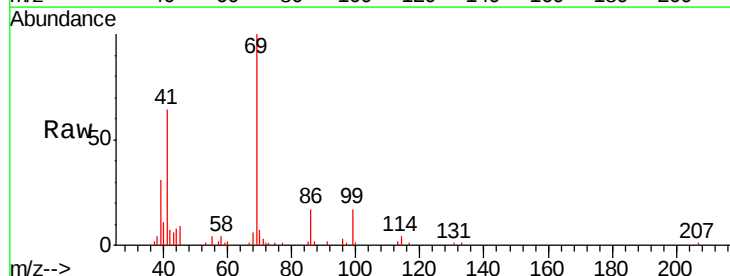
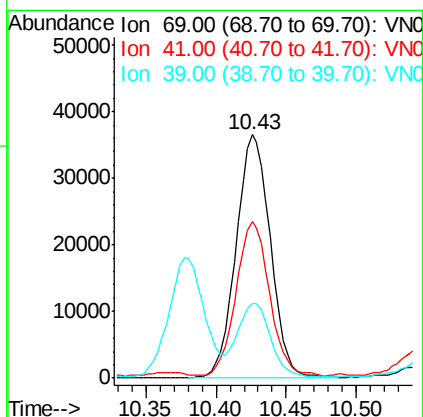
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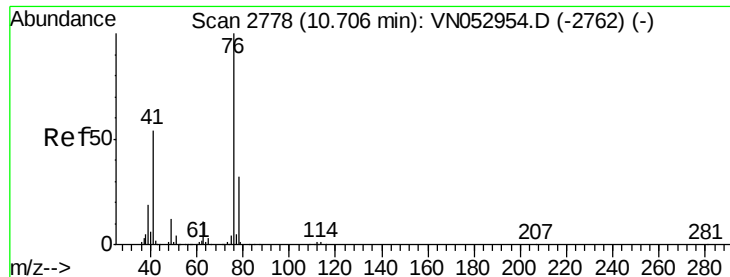
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#56
 Ethyl methacrylate
 Concen: 5.051 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.7	77.5
39	28.5	24.6	37.0





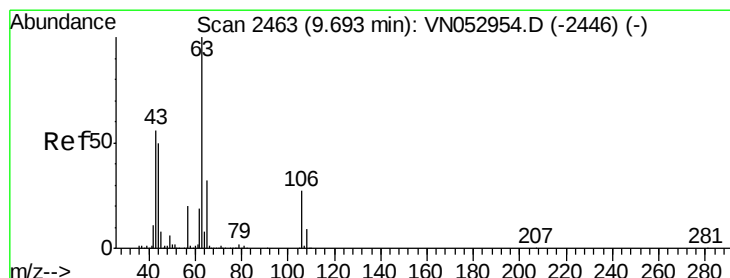
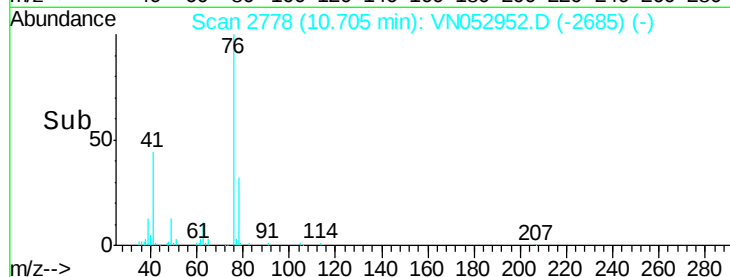
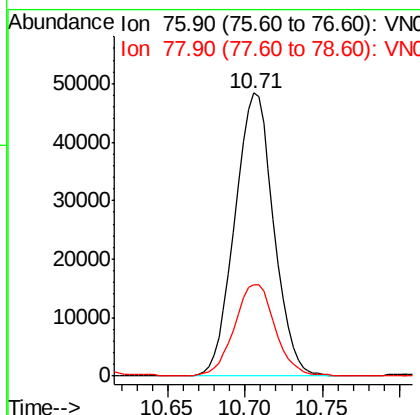
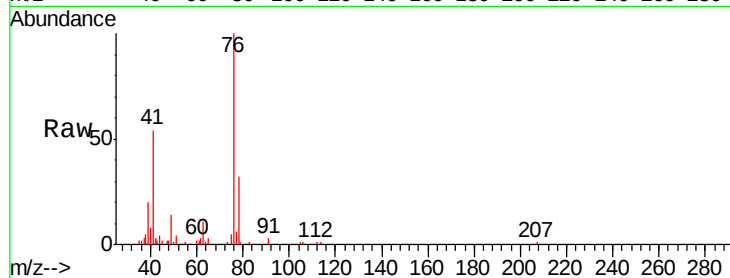
#57
 1,3-Dichloropropane
 Concen: 5.131 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
76	100		
78	34.1	25.8	38.8

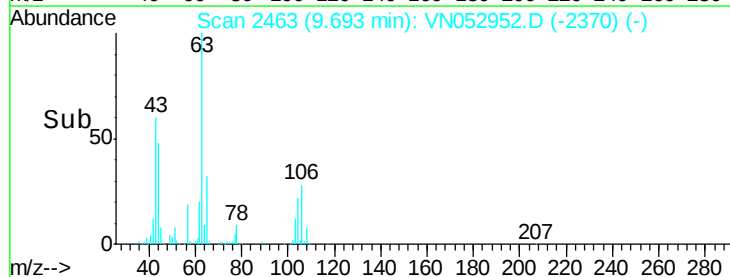
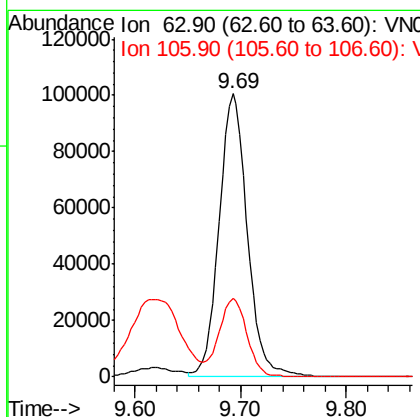
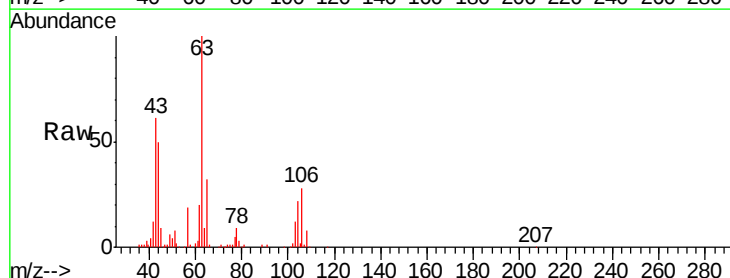
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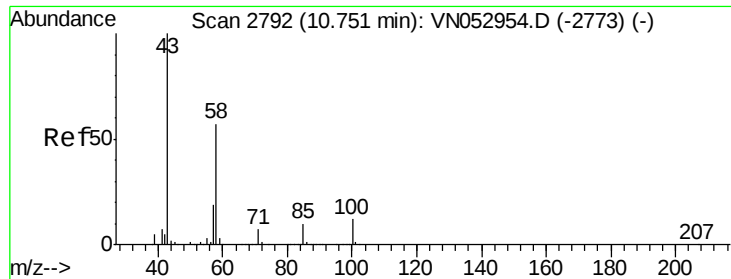
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.172 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.0	31.6





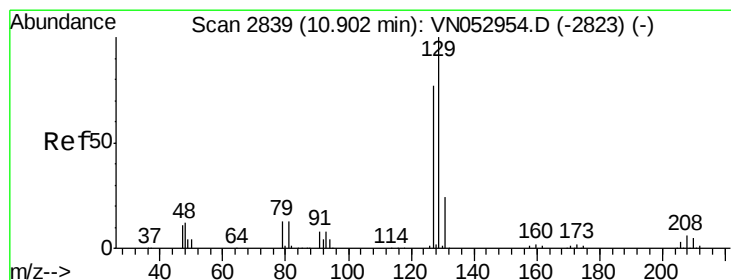
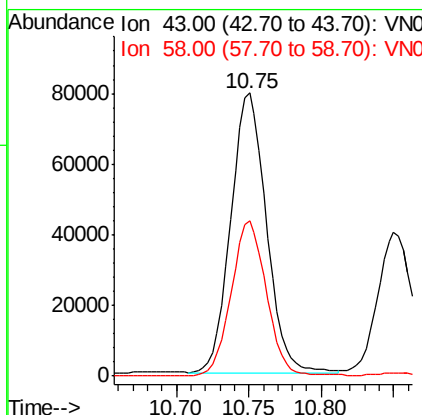
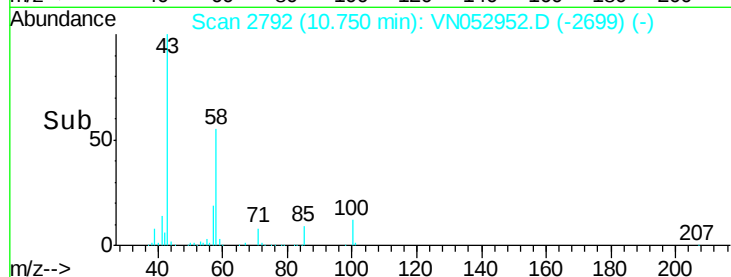
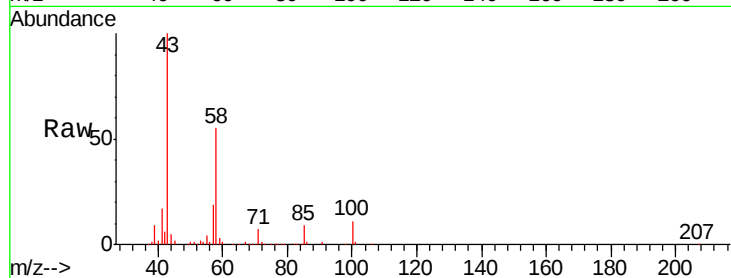
#59
2-Hexanone
Concen: 23.474 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 134515
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.3

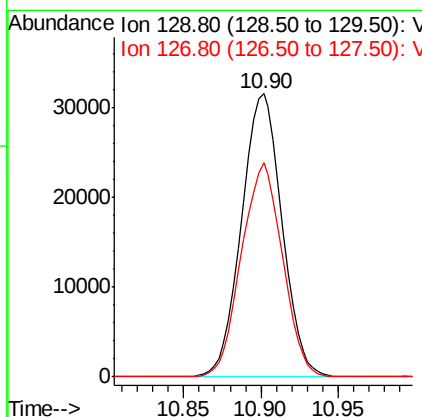
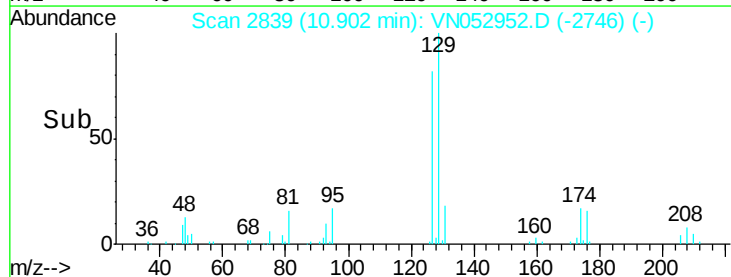
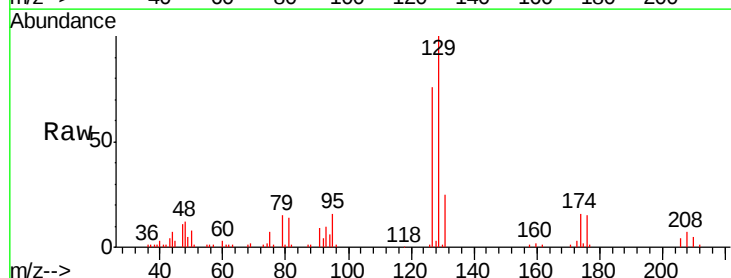
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#60
Dibromochloromethane
Concen: 5.536 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 129 Resp: 57485
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 5.282 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 50155

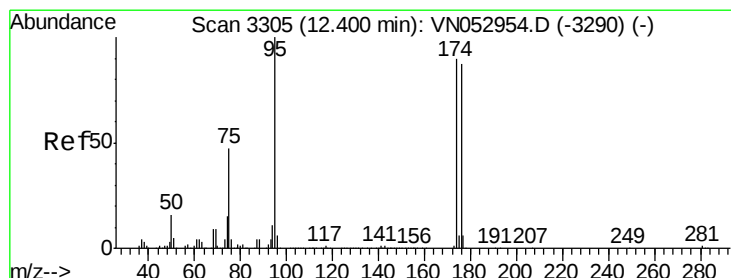
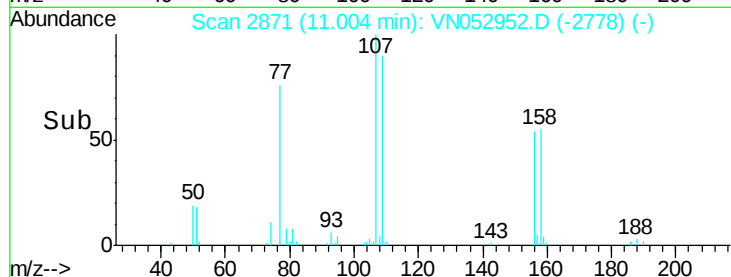
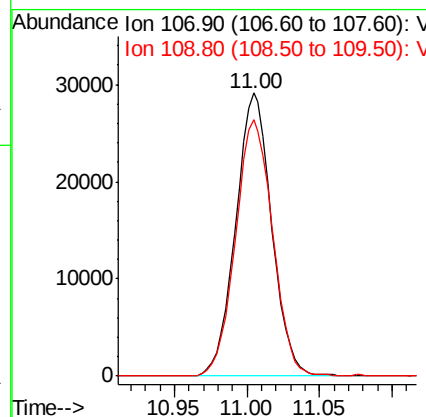
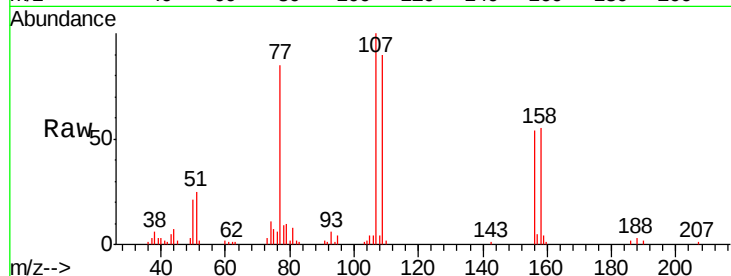
Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 5.282 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

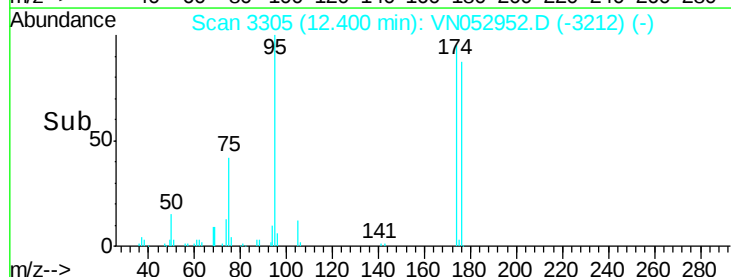
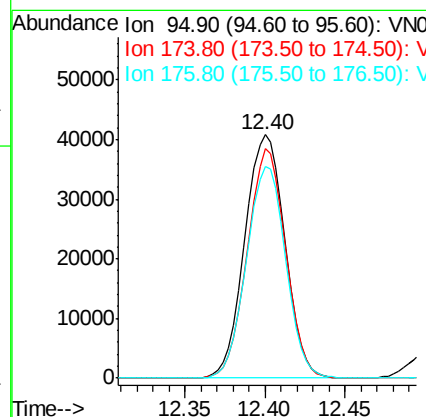
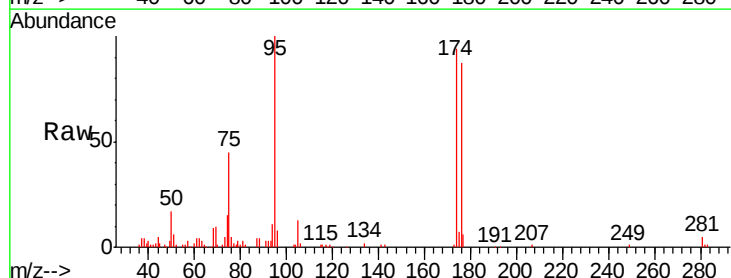
Tgt Ion: 95 Resp: 69773

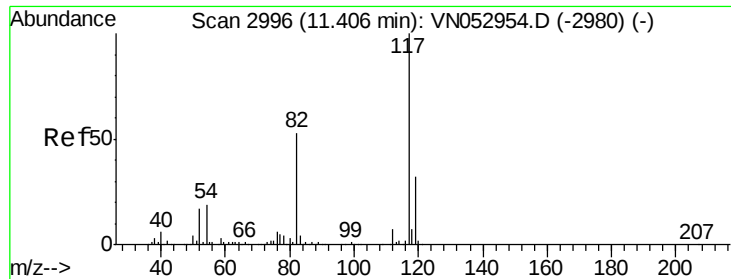
Ion Ratio Lower Upper

95 100

174 89.9 0.0 178.8

176 85.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 1436046

Ion Ratio Lower Upper

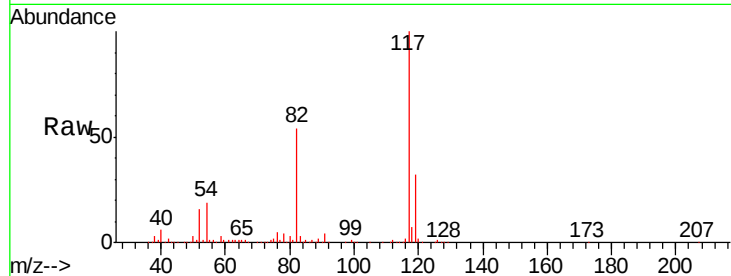
117 100

82 53.5 42.8 64.2

119 32.4 25.5 38.3

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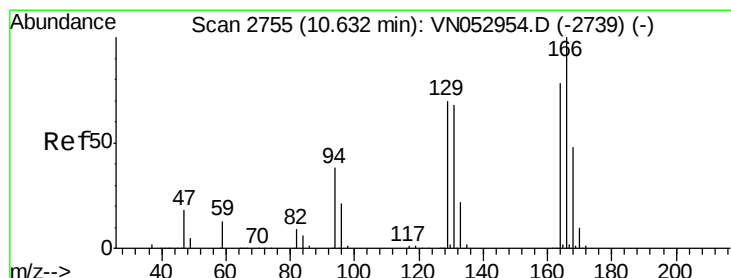
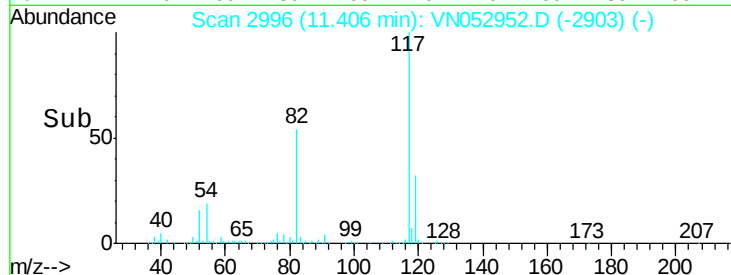
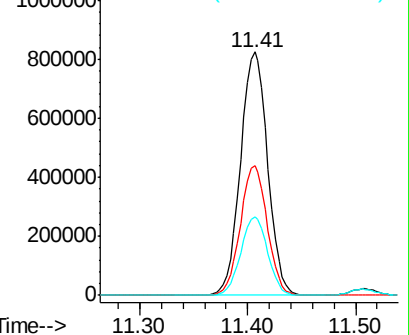
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 6.363 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:164 Resp: 78537

Ion Ratio Lower Upper

164 100

166 128.2 102.9 154.3

129 93.2 73.7 110.5

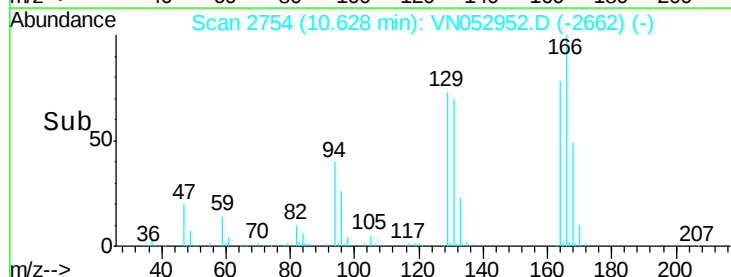
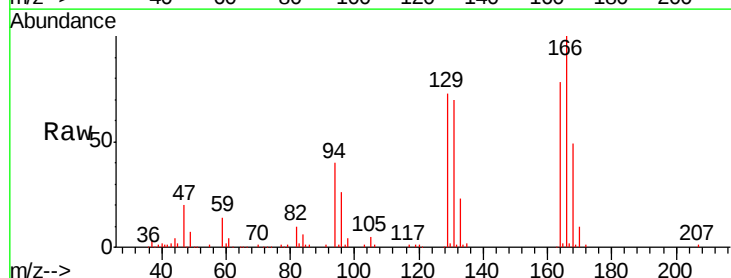
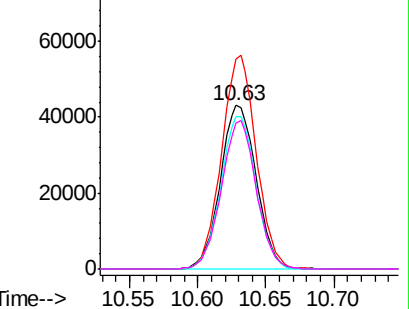
131 89.3 70.7 106.1

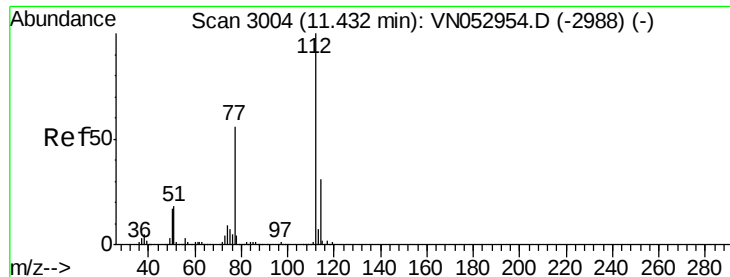
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.378 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 160216

Ion Ratio Lower Upper

112 100

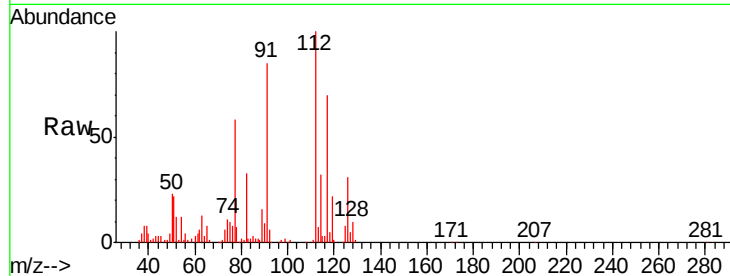
114 31.7 25.5 38.3

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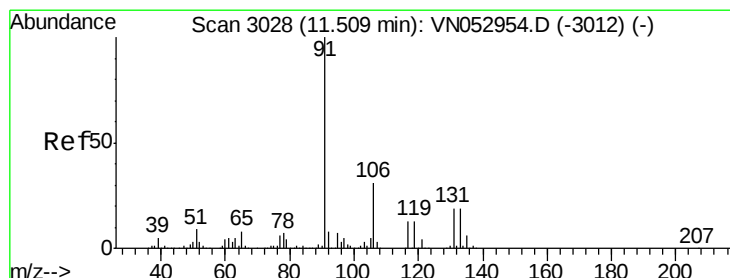
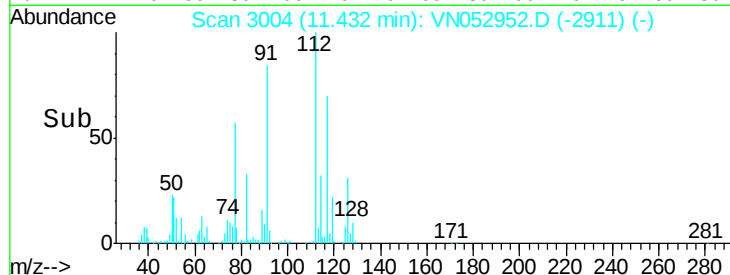
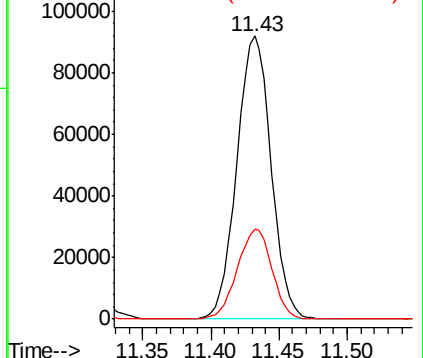
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.433 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

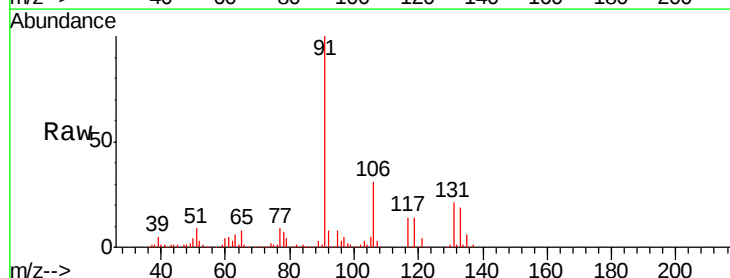
Tgt Ion:131 Resp: 56293

Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.9

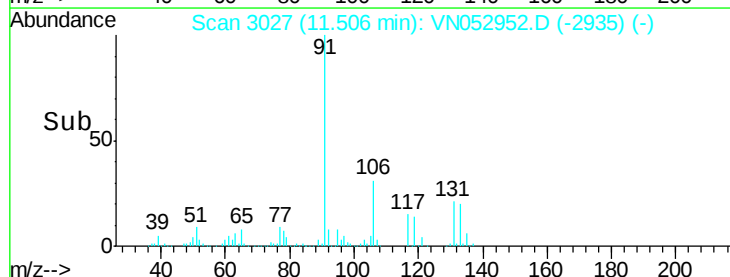
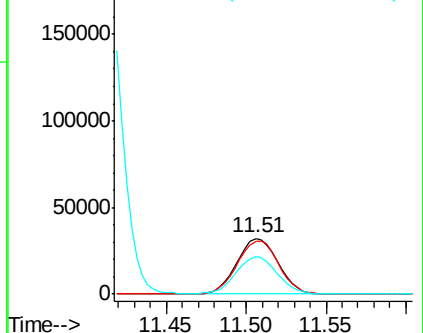
119 67.4 33.3 99.8



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





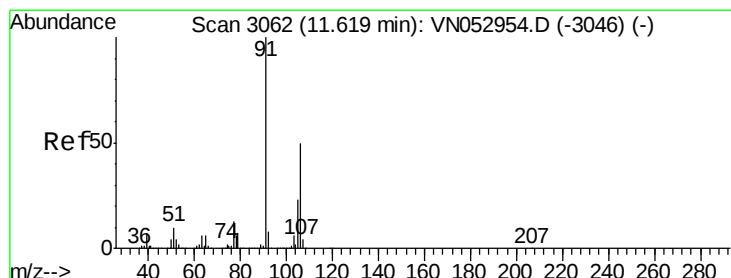
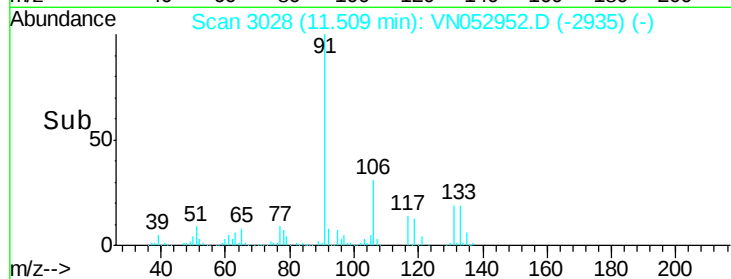
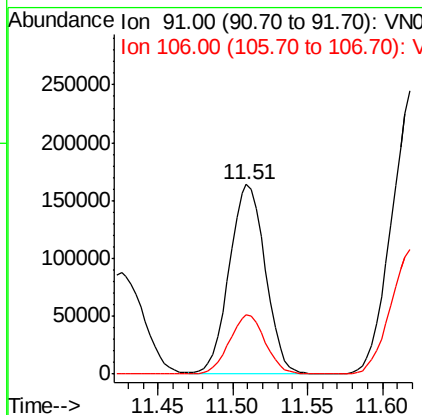
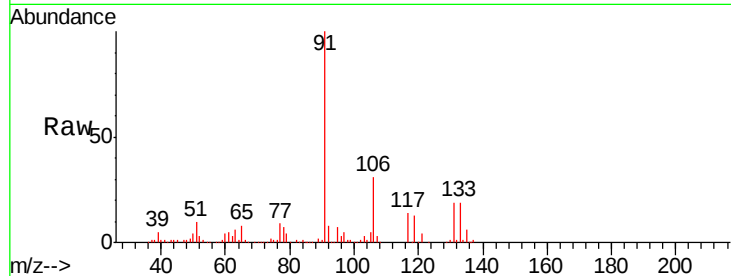
#67
Ethyl Benzene
Concen: 5.383 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 275421
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

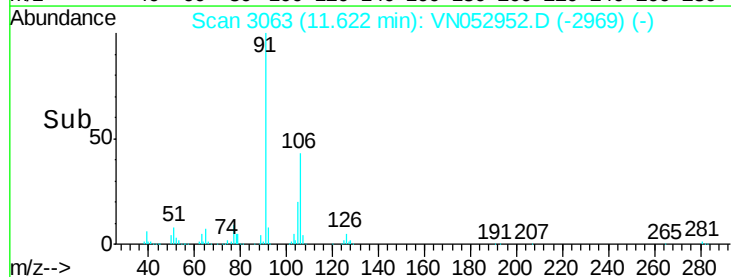
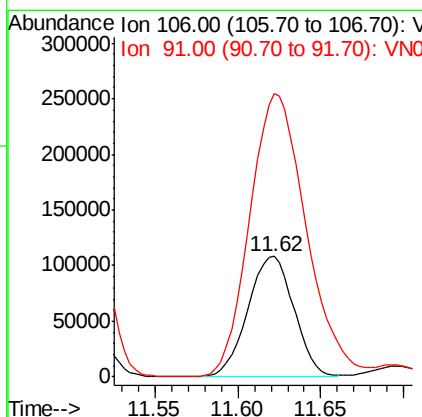
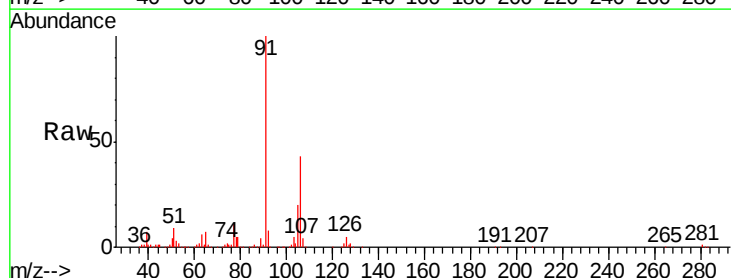
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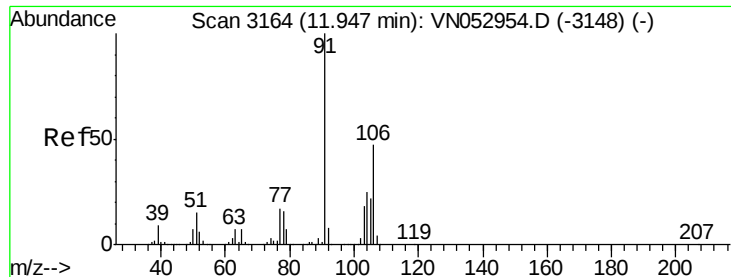
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#68
m/p-Xylenes
Concen: 10.949 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion: 106 Resp: 210340
Ion Ratio Lower Upper
106 100
91 286.0 162.2 243.4#





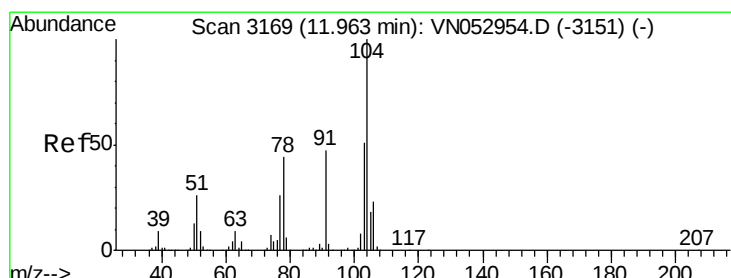
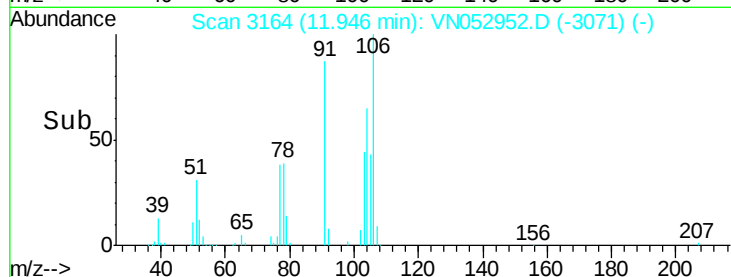
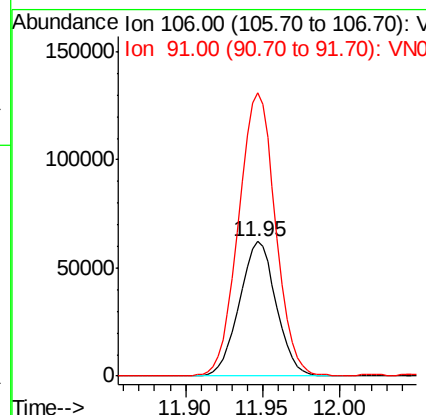
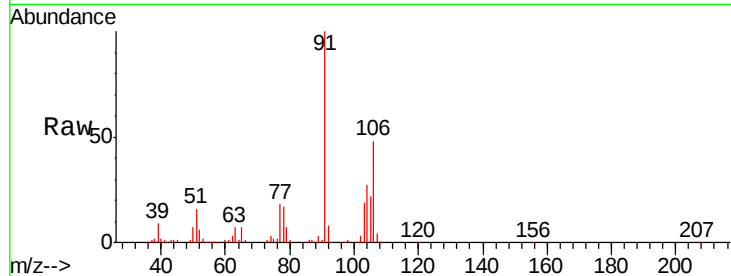
#69
o-Xylene
Concen: 5.474 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 102697
Ion Ratio Lower Upper
106 100
91 210.6 106.6 319.8

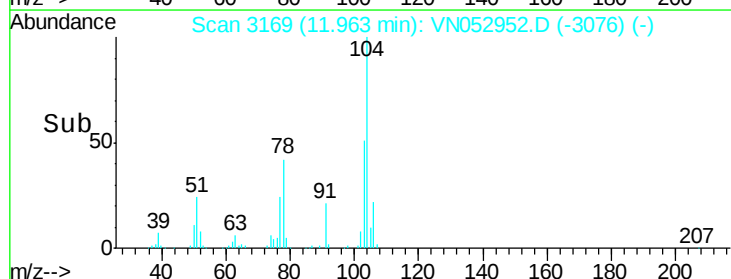
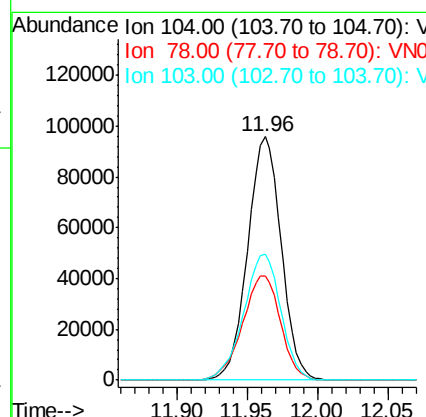
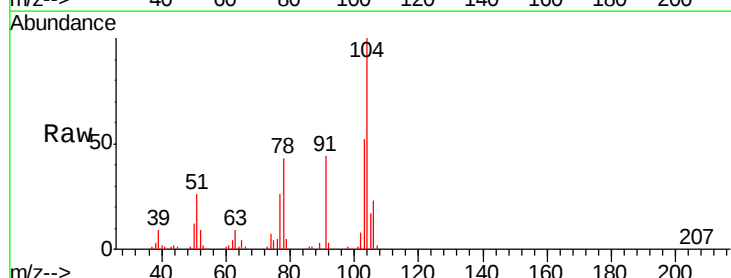
Manual Integrations
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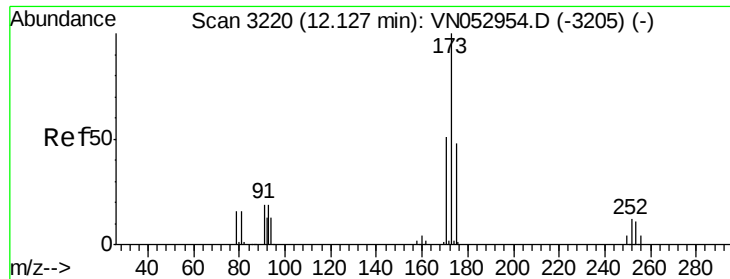
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#70
Styrene
Concen: 5.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion:104 Resp: 160239
Ion Ratio Lower Upper
104 100
78 48.3 38.9 58.3
103 57.3 44.3 66.5





#71

Bromoform

Concen: 5.942 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 41829

Ion Ratio Lower Upper

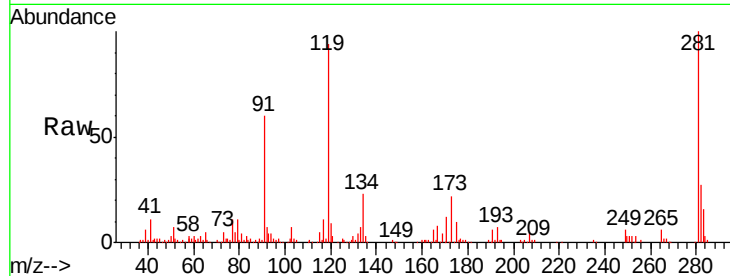
173 100

175 48.0 24.3 72.9

254 0.0 0.1 0.1#

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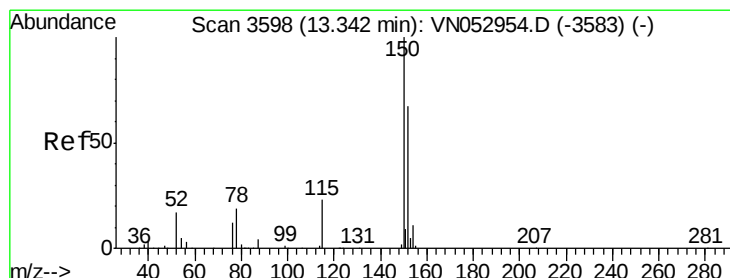
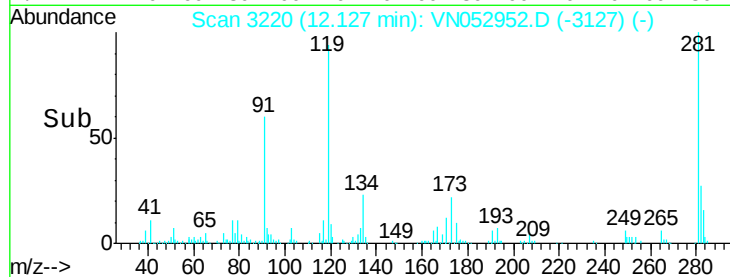
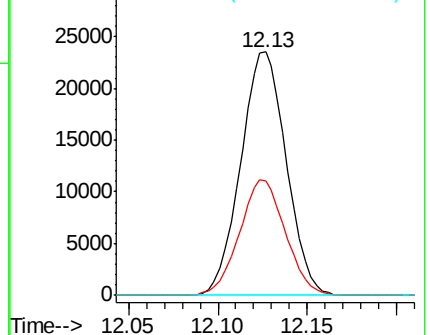
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

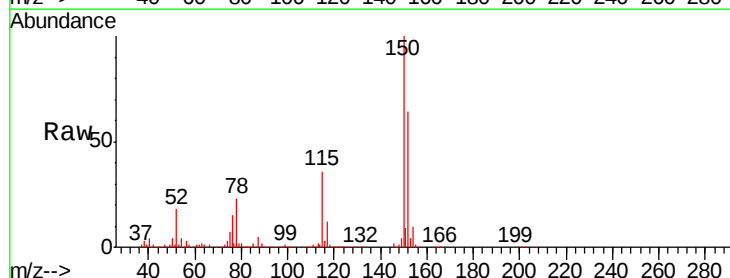
Tgt Ion:152 Resp: 676640

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

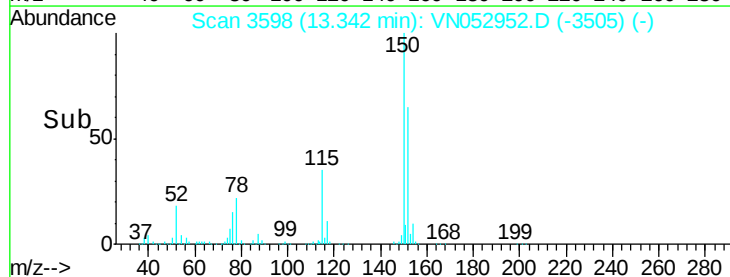
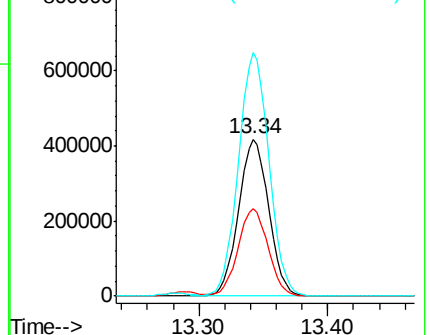
150 157.5 0.0 347.8

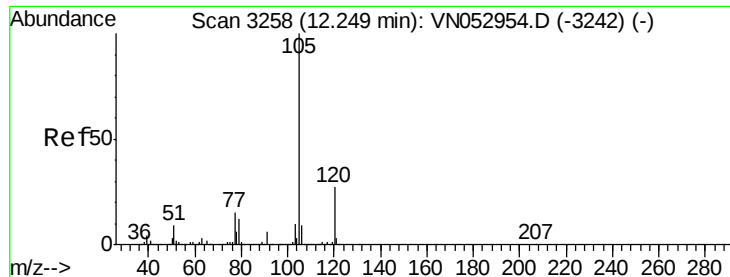


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.425 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 274092

Ion Ratio Lower Upper

105 100

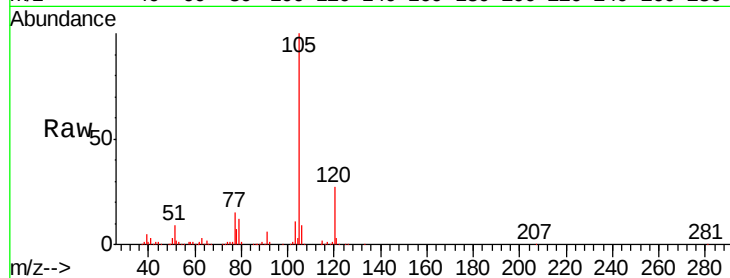
120 26.1 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

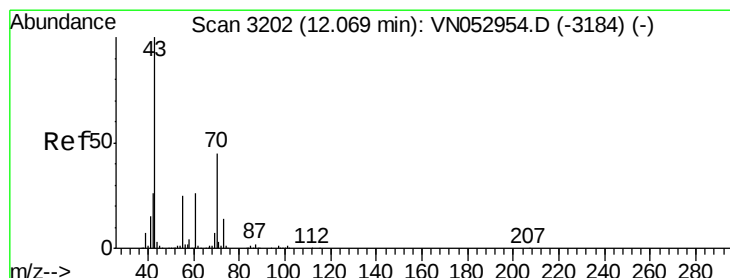
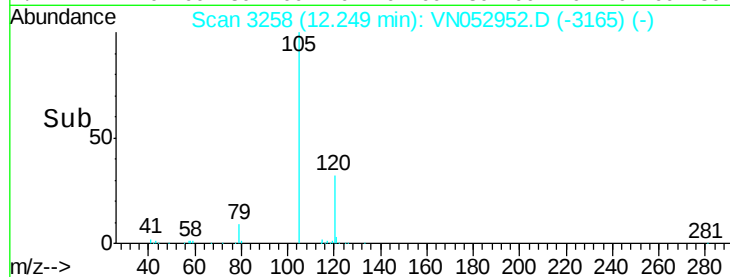
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 4.926 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion: 43 Resp: 68323

Ion Ratio Lower Upper

43 100

70 44.4 34.2 51.4

55 25.8 20.3 30.5

61 26.1 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

40000

20000

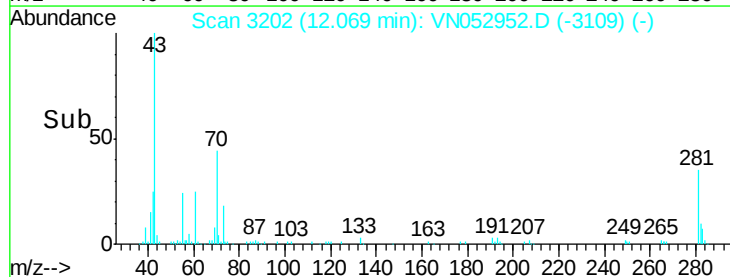
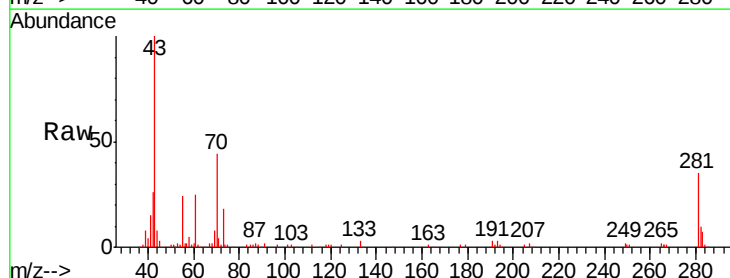
0

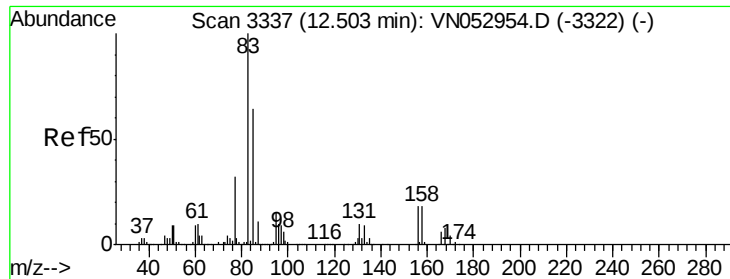
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.793 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 54265
Ion Ratio Lower Upper

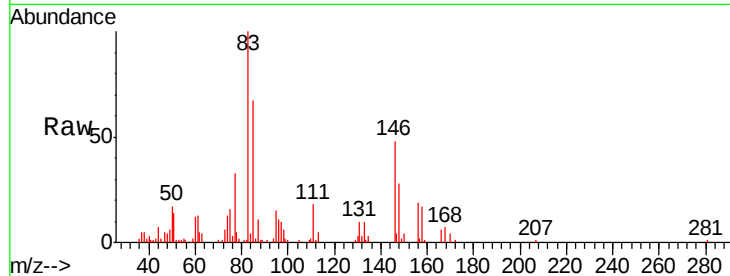
83 100

131 10.6 5.2 15.6

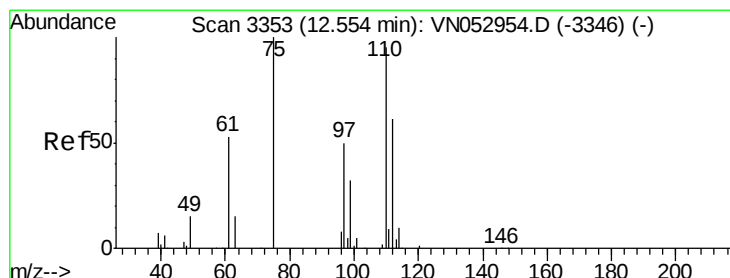
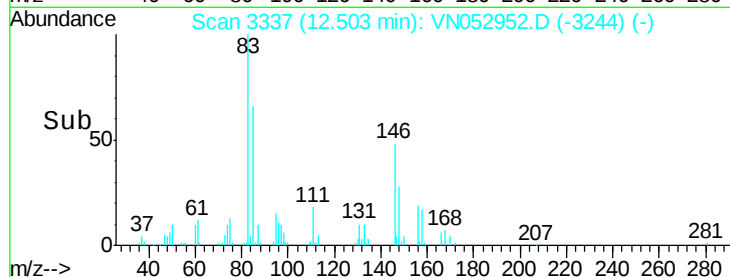
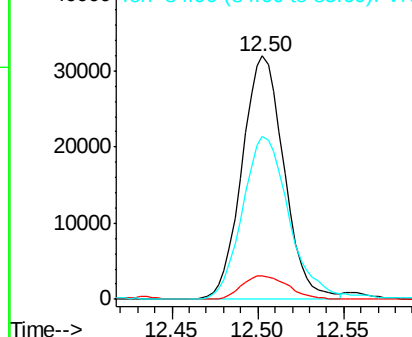
85 75.0 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN052952.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN052952.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN052952.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 5.282 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

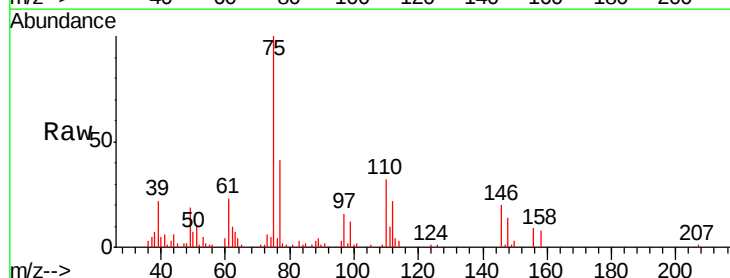
Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

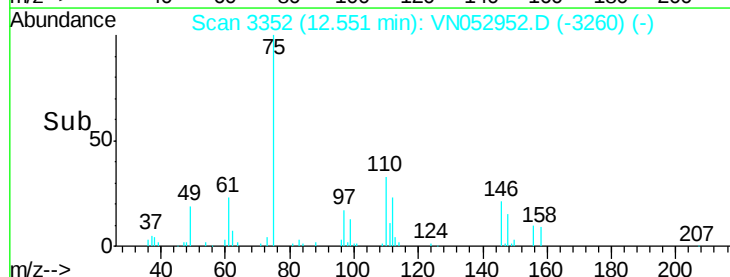
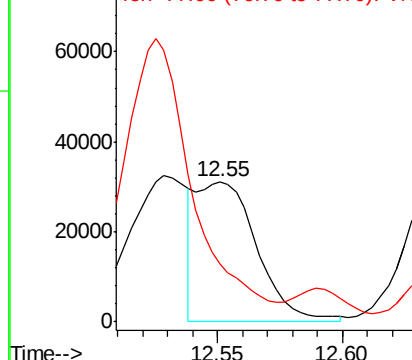
Tgt Ion: 75 Resp: 52730
Ion Ratio Lower Upper

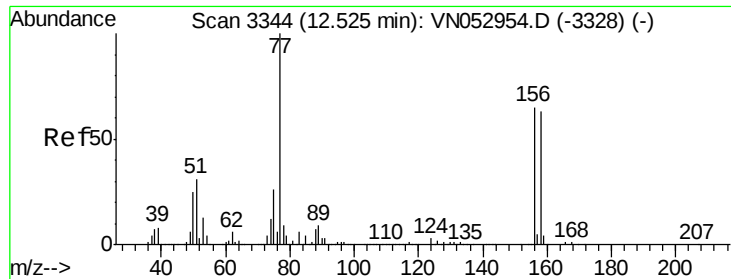
75 100

77 233.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052952.D (-3346) (-)
Ion 77.00 (76.70 to 77.70): VN052952.D (-3346) (-)





#77

Bromobenzene

Concen: 5.387 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

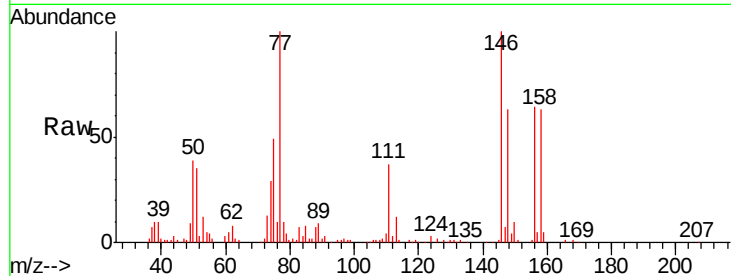
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	177.6	91.3	273.8
158	99.0	49.0	147.2

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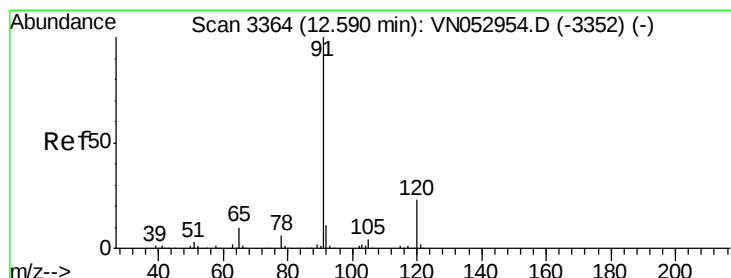
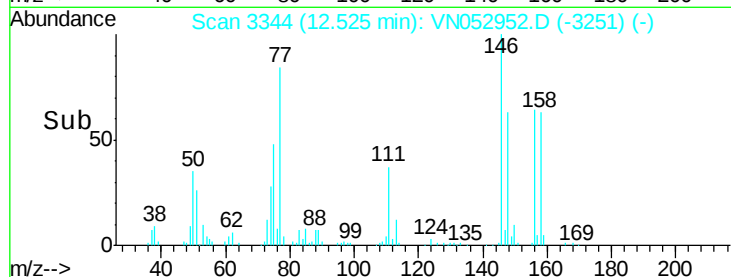
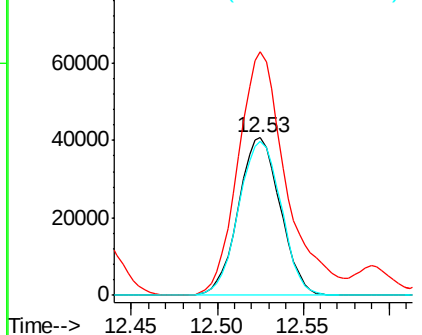
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.390 ug/l

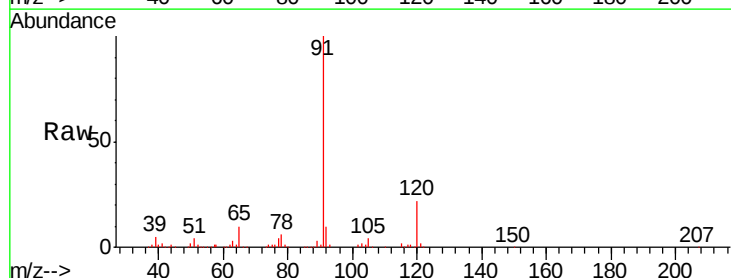
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052952.D

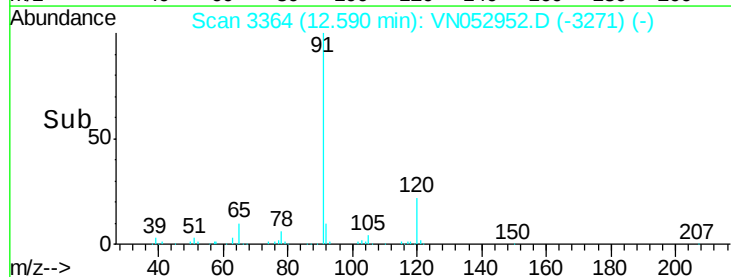
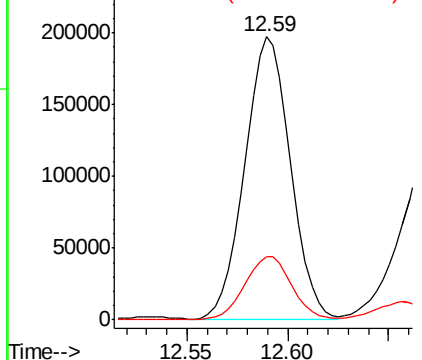
Acq: 18 Dec 2018 10:56

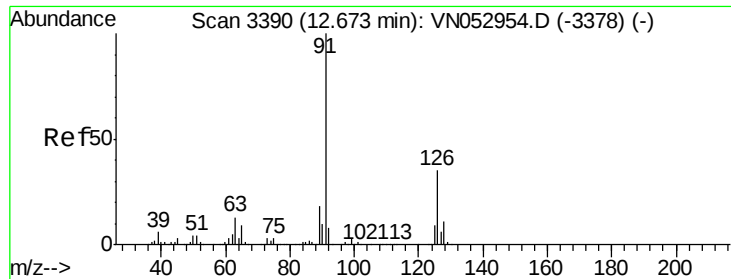
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 7.019 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 239095

Ion Ratio Lower Upper

91 100

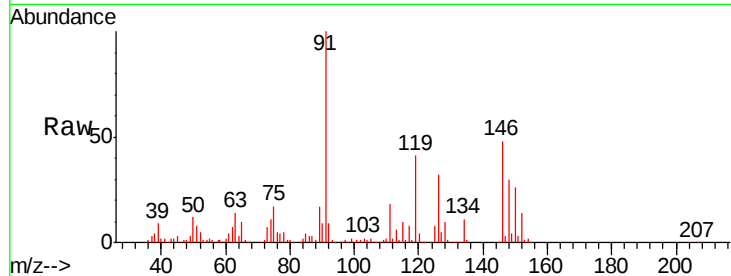
126 27.6 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

200000

150000

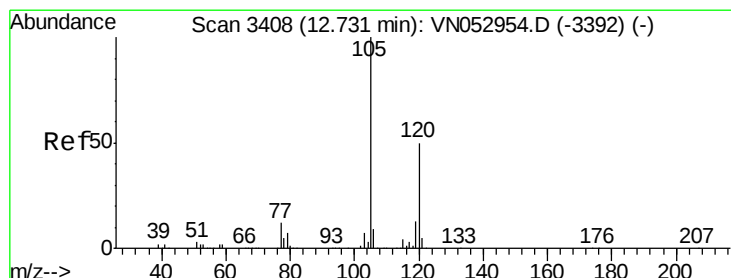
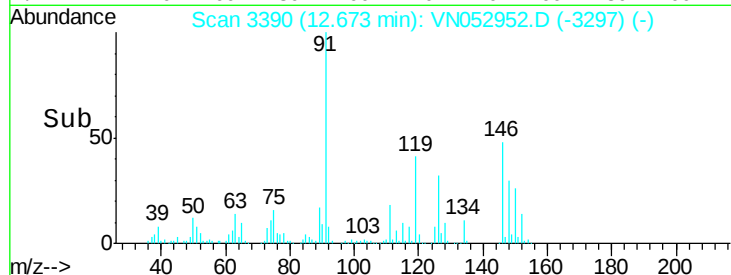
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.720 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052952.D

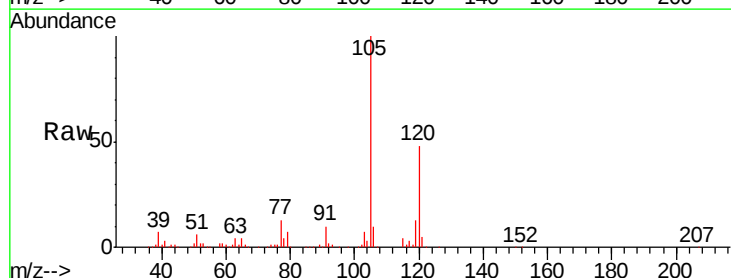
Acq: 18 Dec 2018 10:56

Tgt Ion: 105 Resp: 233287

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

150000

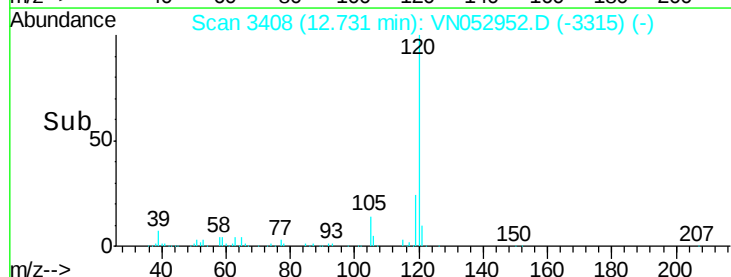
100000

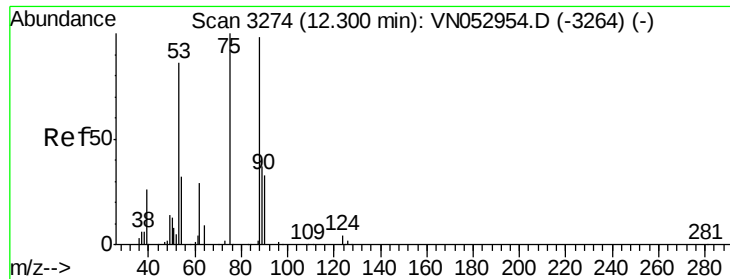
50000

0

12.65 12.70 12.75 12.80

Time-->





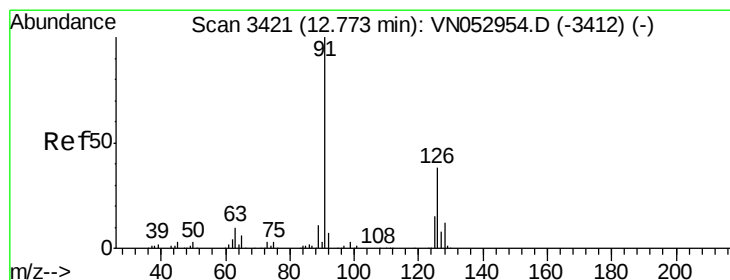
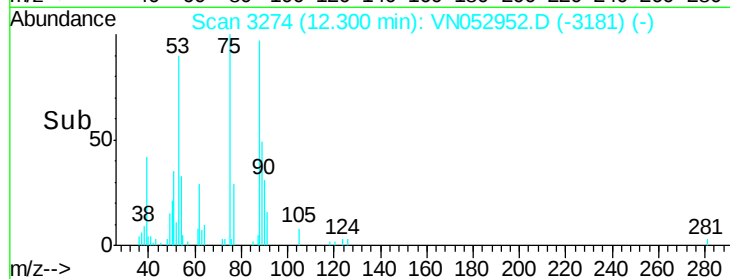
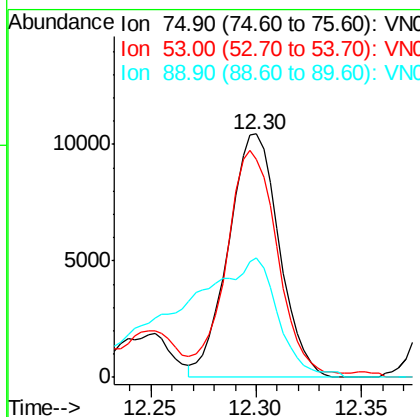
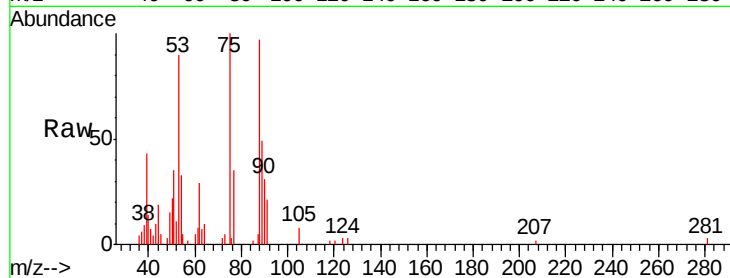
#81
trans-1,4-Dichloro-2-butene
Concen: 5.628 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.6	74.7	112.1
89	97.1	36.1	54.1#

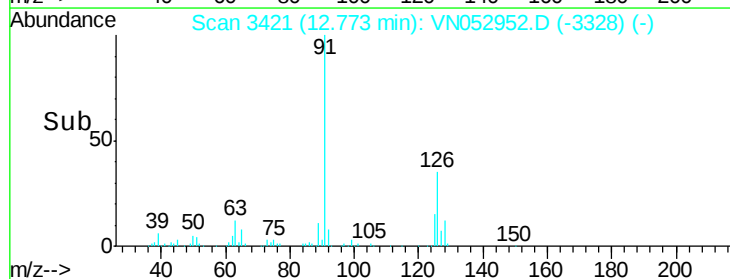
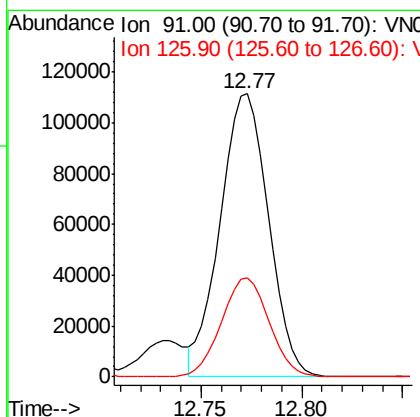
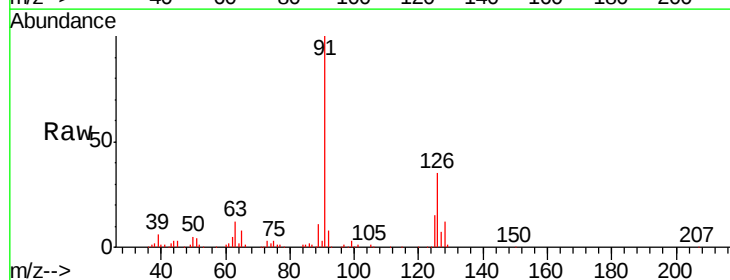
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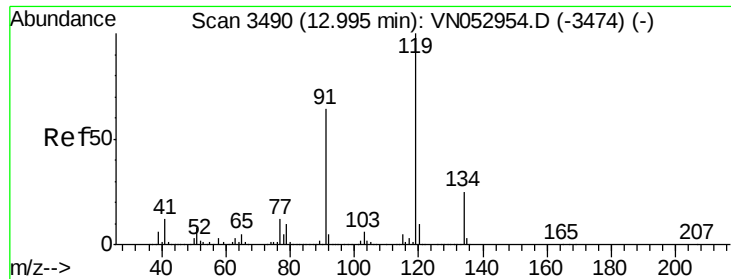
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#82
4-Chlorotoluene
Concen: 5.348 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





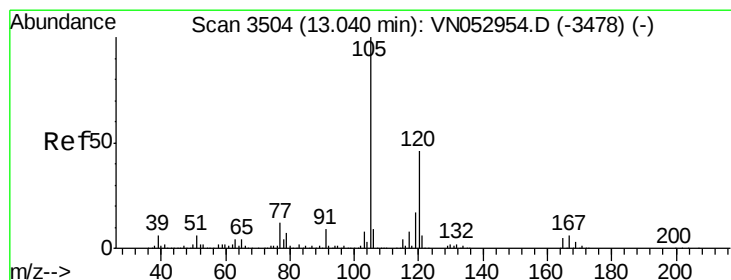
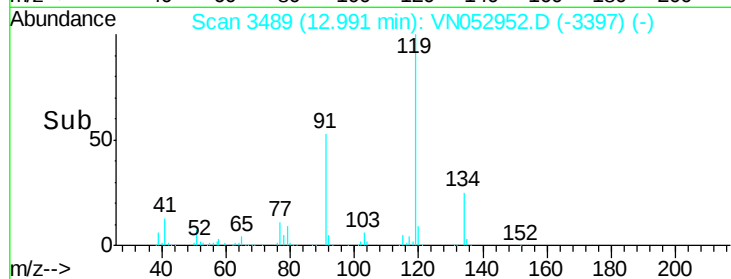
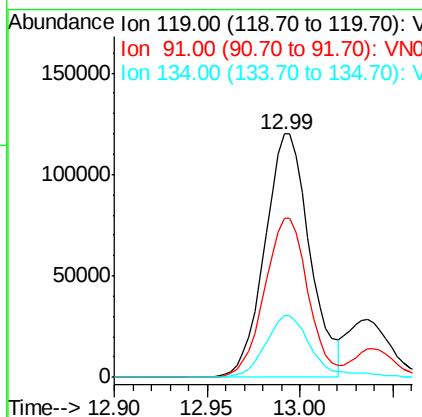
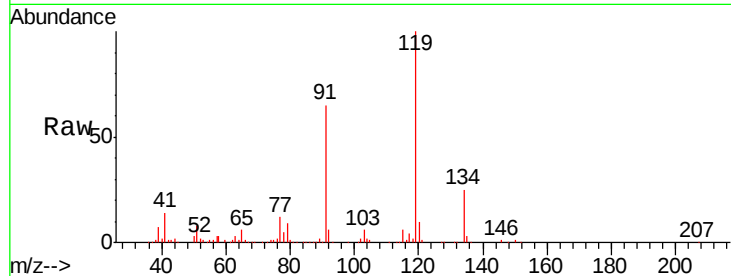
#83
 tert-Butylbenzene
 Concen: 5.636 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	202774		
91	63.3		31.9	95.5
134	26.4		12.8	38.4

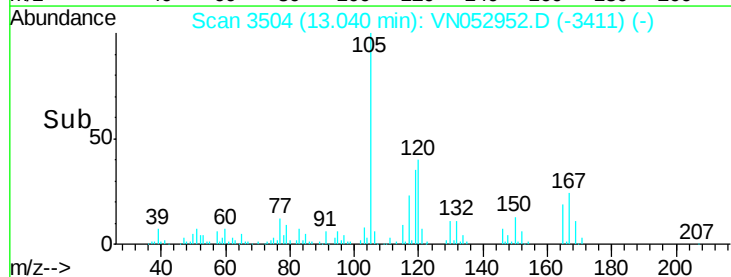
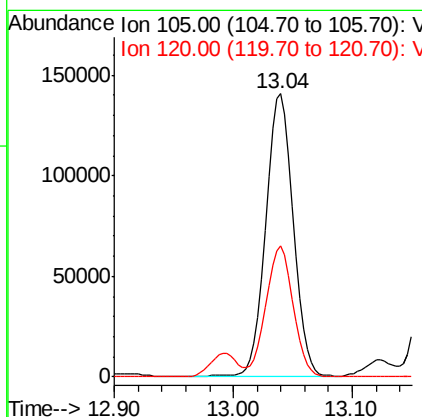
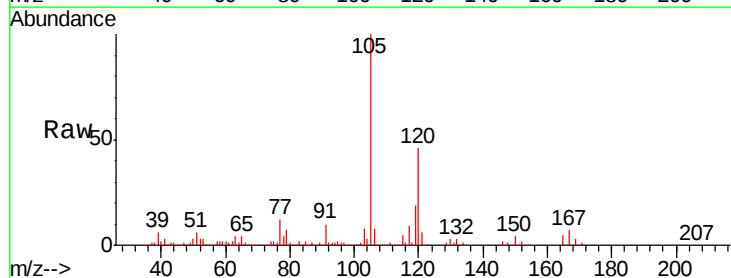
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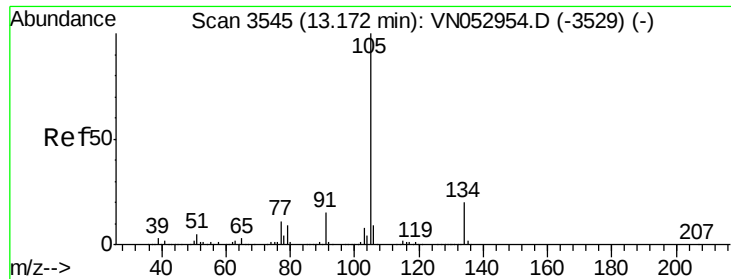
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.472 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225916		
120	45.9		22.9	68.8





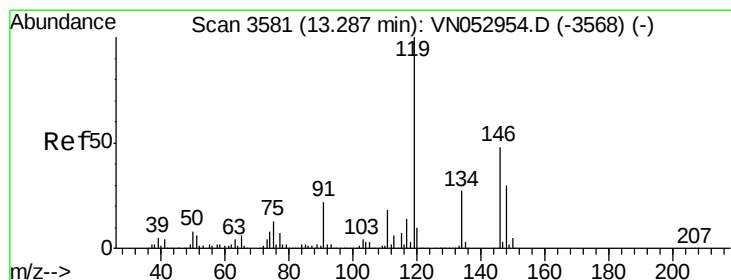
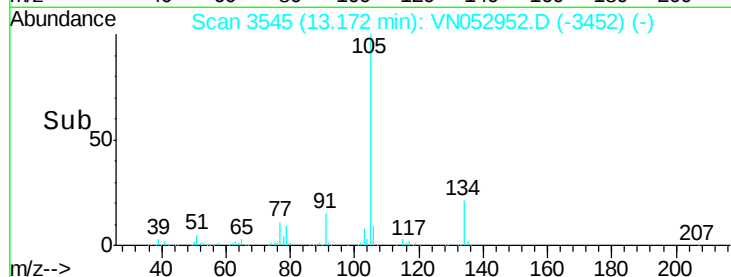
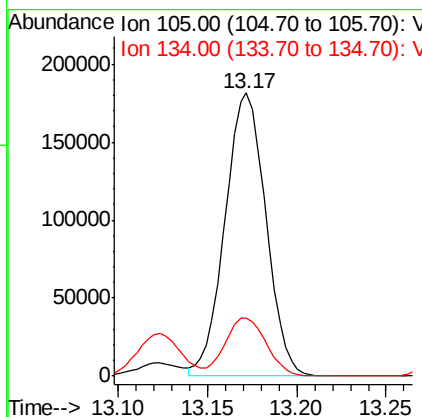
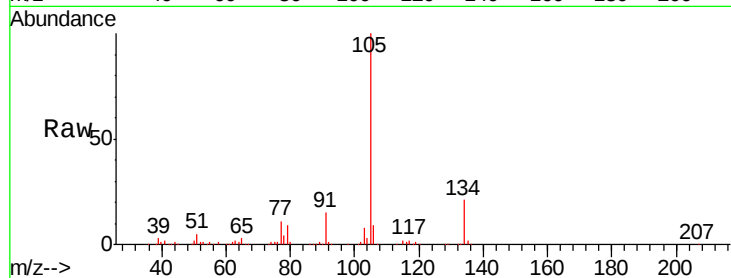
#85
 sec-Butylbenzene
 Concen: 5.939 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.1	30.3

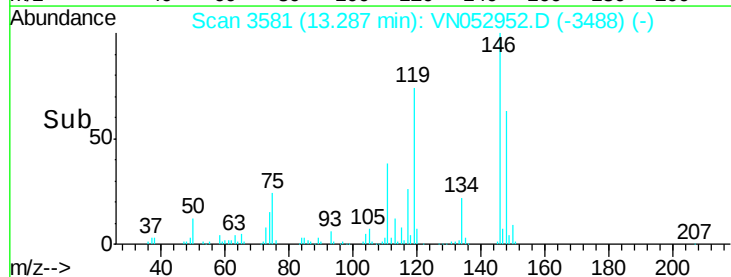
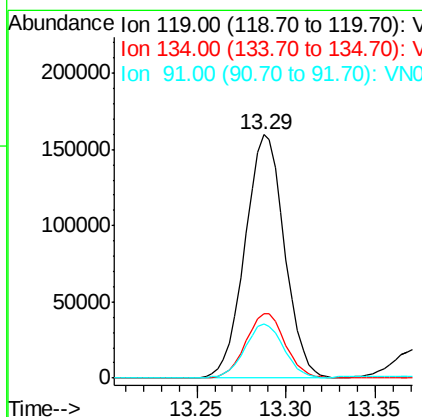
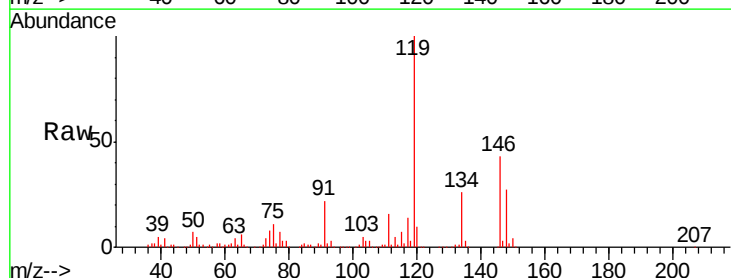
Manual Integrations
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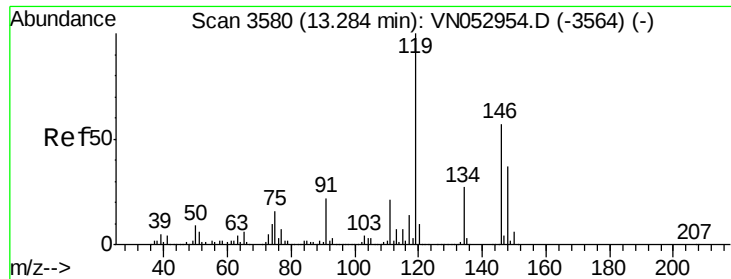
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#86
 p-Isopropyltoluene
 Concen: 5.814 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.7	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 5.538 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Instrument :

MSVOA_N

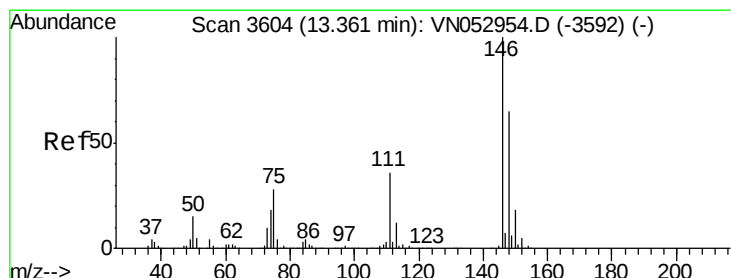
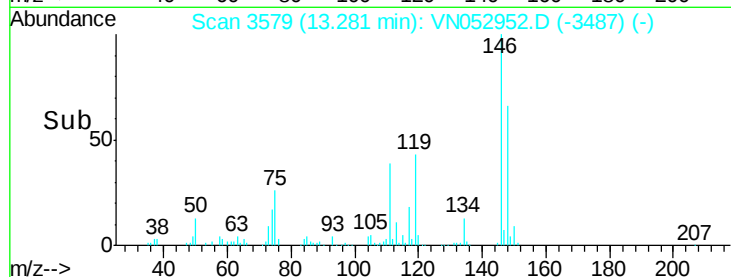
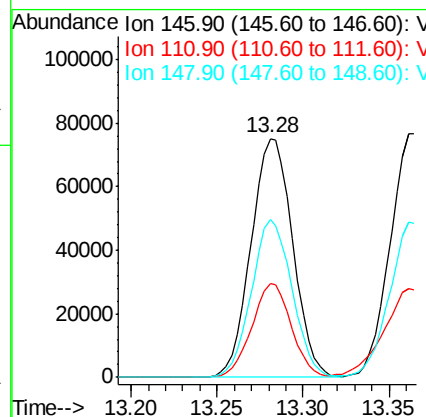
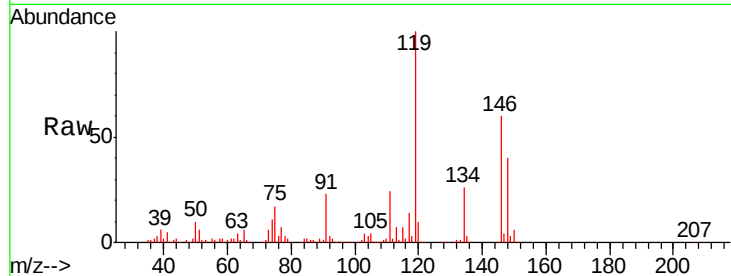
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	126454
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.1	57.1
148	64.1	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.611 ug/l

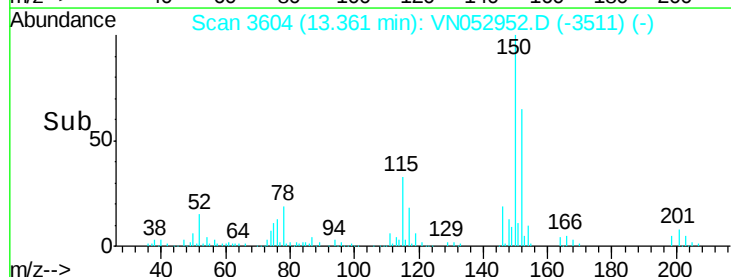
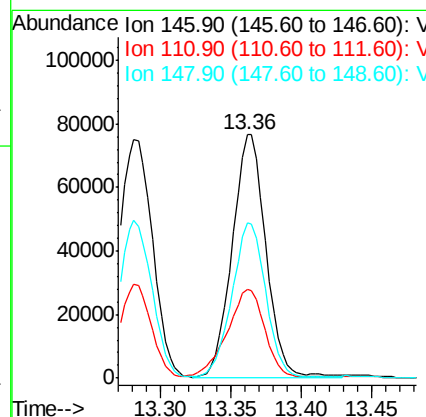
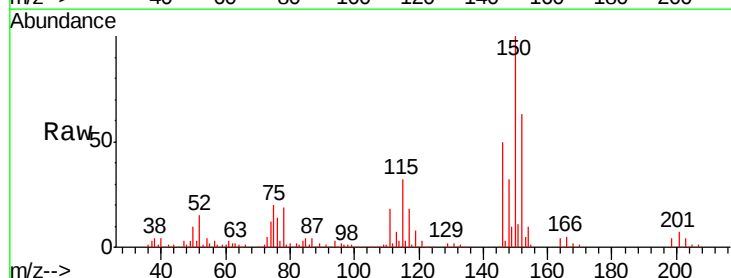
RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052952.D

Acq: 18 Dec 2018 10:56

Tgt Ion:	146	Resp:	126894
Ion Ratio	Lower	Upper	
146	100		
111	40.1	18.6	55.8
148	63.8	32.1	96.5





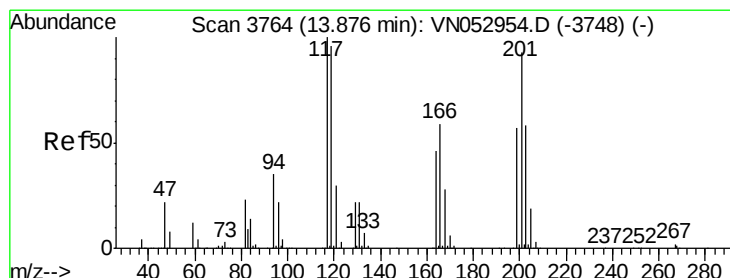
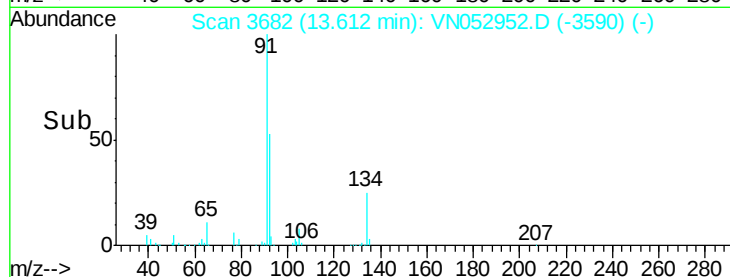
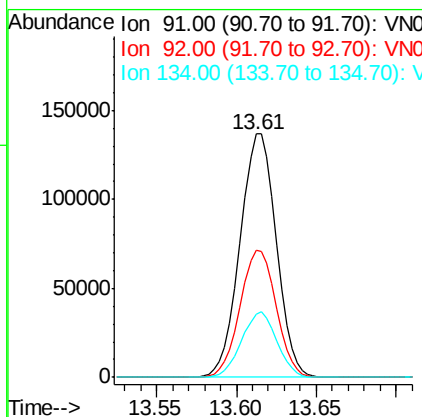
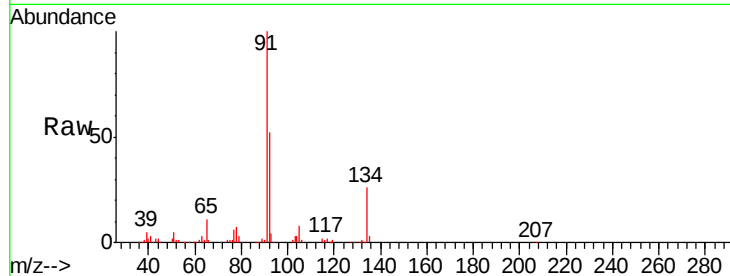
#89
n-Butylbenzene
Concen: 5.963 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	26.2	13.3	39.8

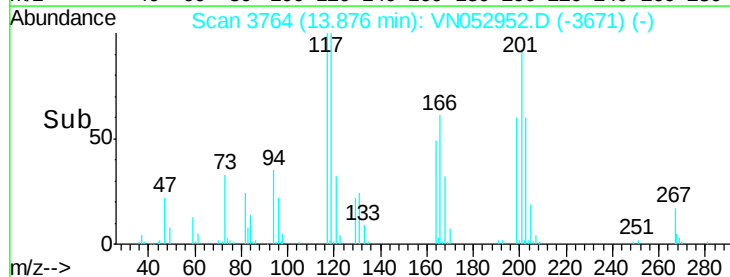
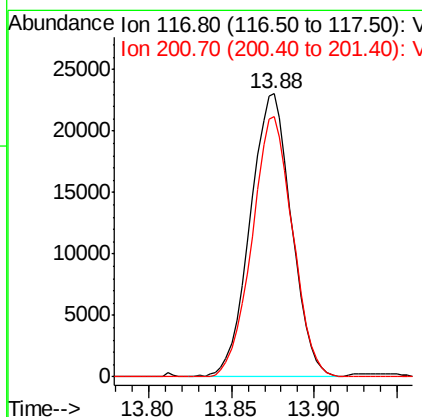
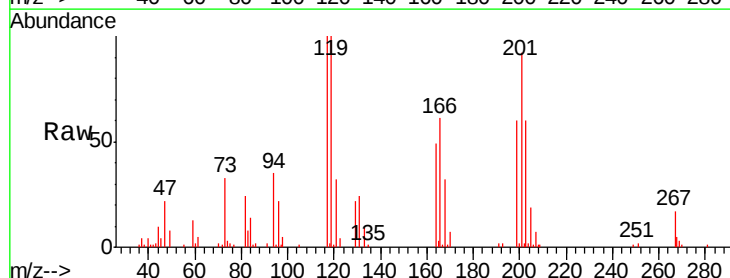
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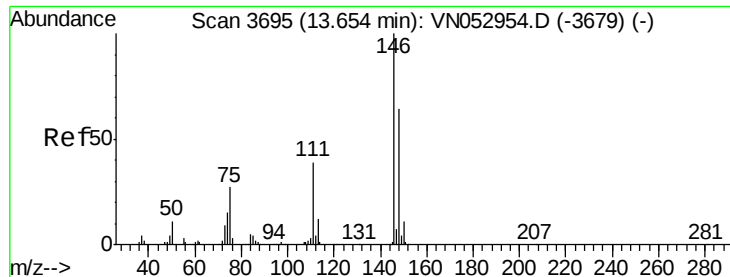
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#90
Hexachloroethane
Concen: 5.630 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.7	137.1





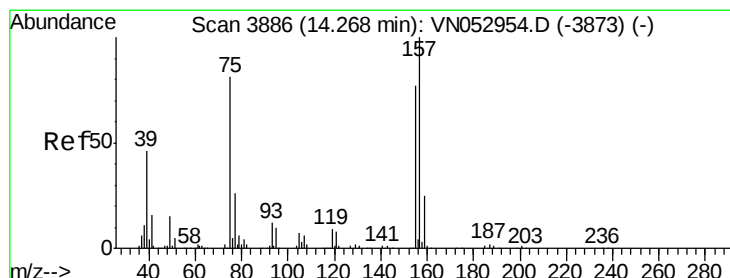
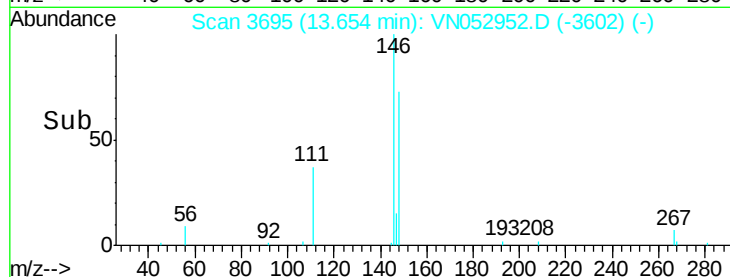
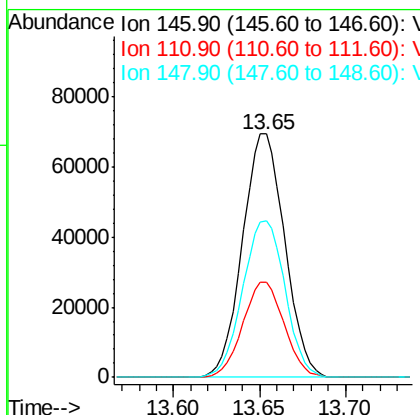
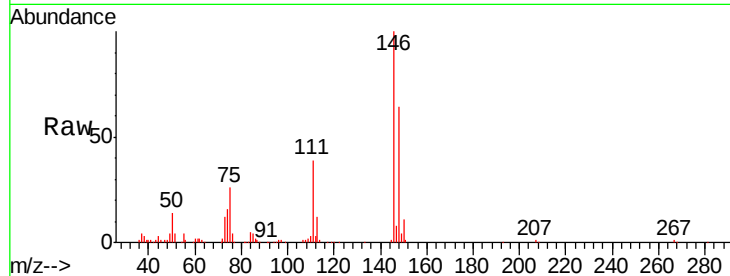
#91
 1,2-Dichlorobenzene
 Concen: 5.384 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118269		
111	38.5	19.7	59.0	
148	64.5	32.0	96.0	

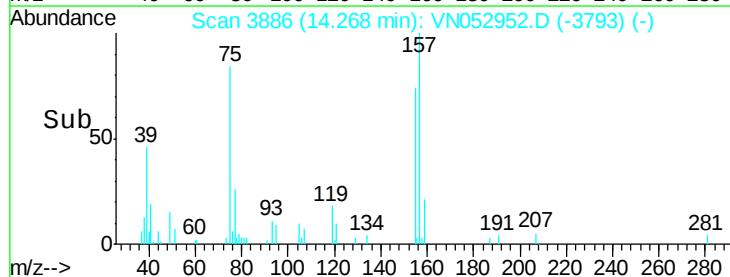
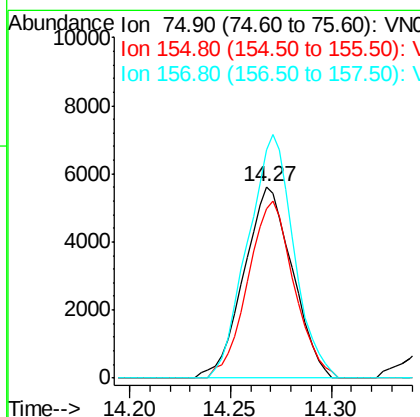
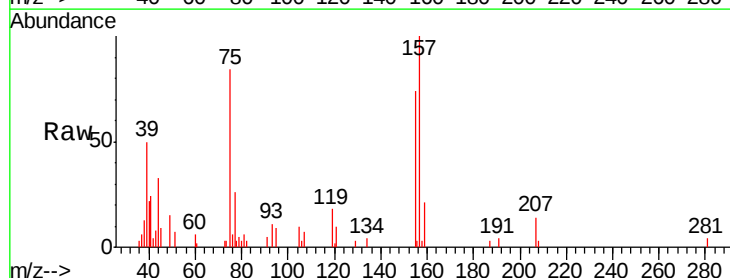
Manual Integrations
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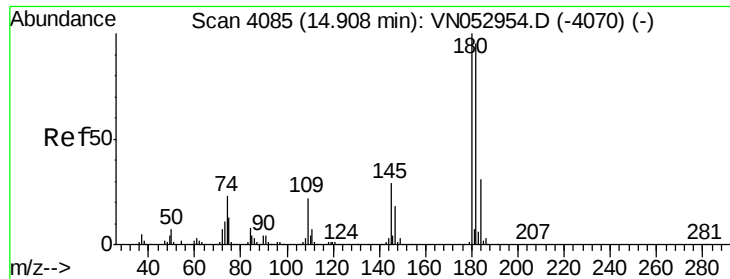
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.526 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9432		
155	88.0	48.2	144.6	
157	121.1	61.2	183.5	





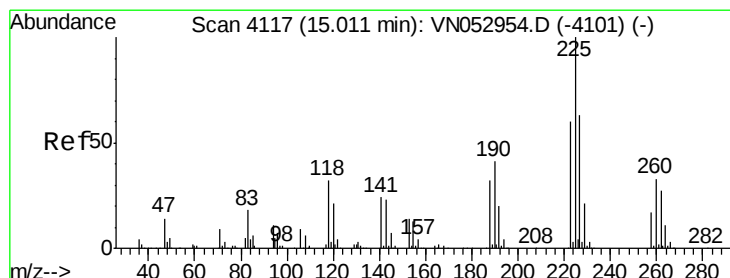
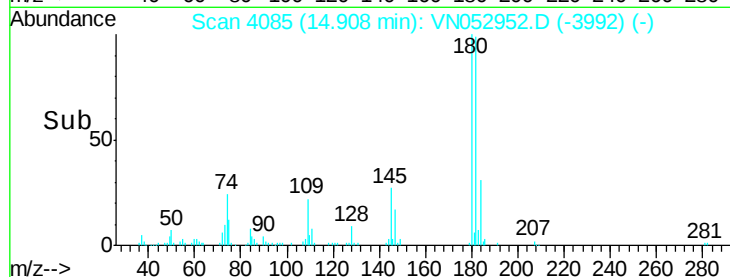
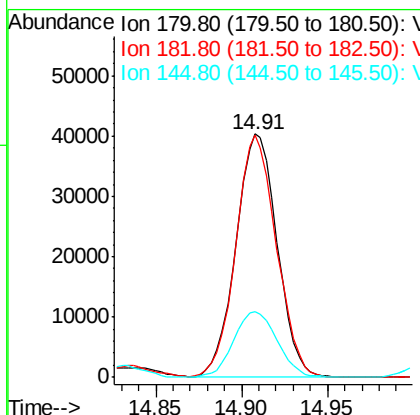
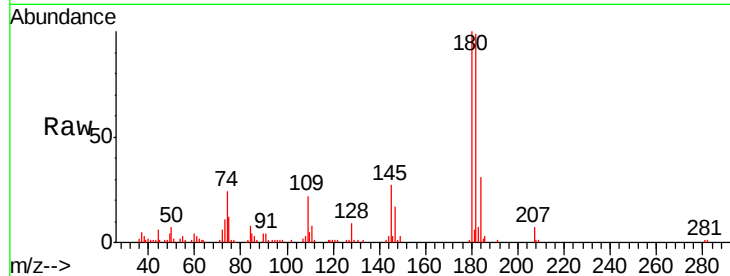
#93
 1,2,4-Trichlorobenzene
 Concen: 5.631 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67236		
182	98.1	47.8	143.3	
145	28.5	14.2	42.6	

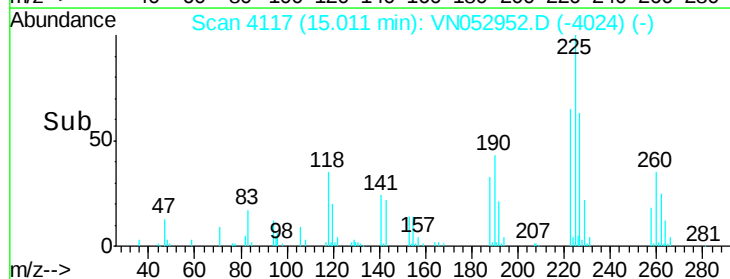
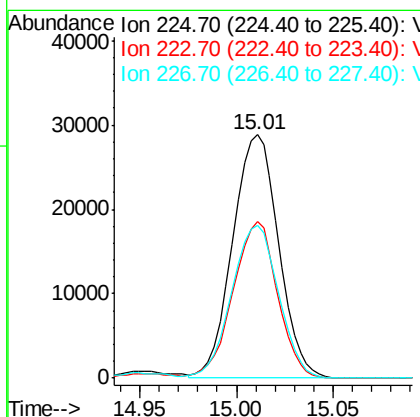
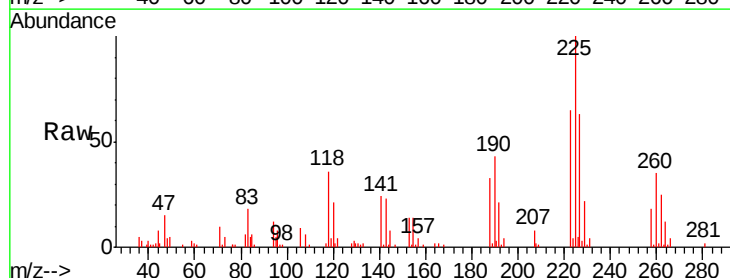
Manual Integrations
 APPROVED

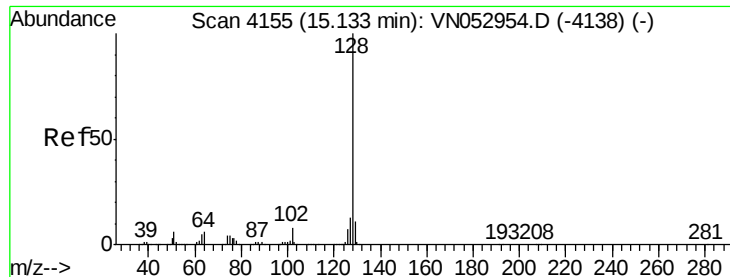
MMDadoda
 12/19/2018 12:06:17 PM



#94
 Hexachlorobutadiene
 Concen: 6.891 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052952.D
 Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47628		
223	62.4	31.5	94.5	
227	64.1	31.9	95.7	





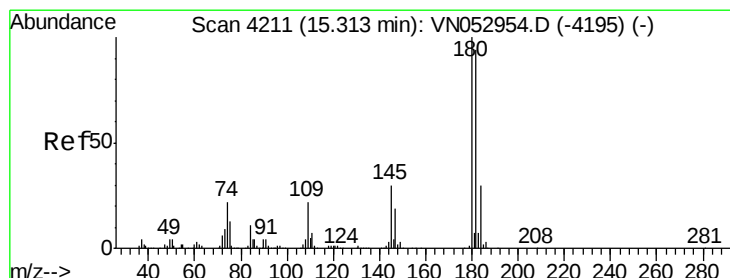
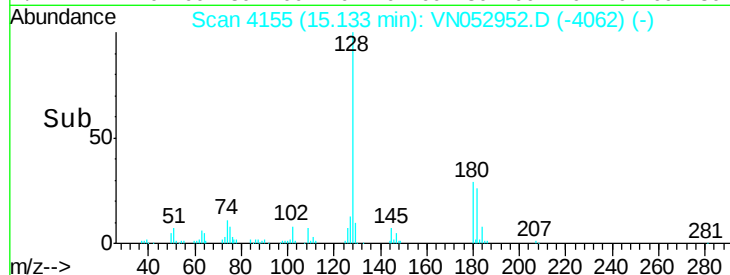
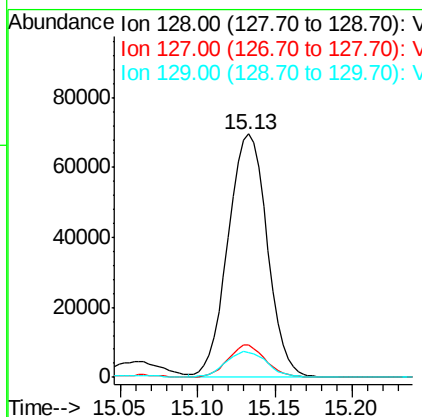
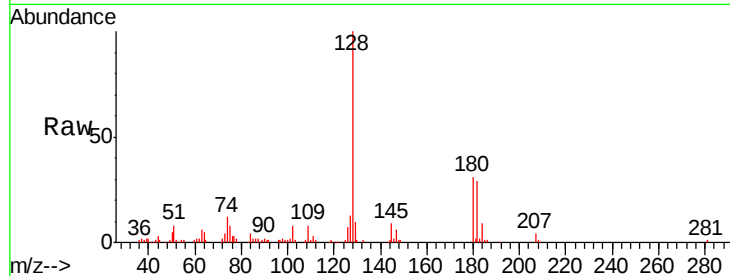
#95
Naphthalene
Concen: 4.960 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	122659		
127	12.7	10.2	15.4	
129	11.4	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:06:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.562 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052952.D
Acq: 18 Dec 2018 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60934		
182	93.8	47.9	143.7	
145	28.8	15.0	45.0	

