

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052962.D
 Acq On : 18 Dec 2018 15:44
 Operator : MD\SY
 Sample : J6378-13MSD 20X
 Misc : 2.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

Quant Time: Dec 19 03:46:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	987375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1548254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1383998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	670702	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	533694	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	378038	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.09	98	1819819	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	645412	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	473557	47.389	ug/l	100
3) Chloromethane	2.06	50	602853	49.784	ug/l	99
4) Vinyl Chloride	2.19	62	590675	48.163	ug/l	100
5) Bromomethane	2.56	94	378551	44.552	ug/l	100
6) Chloroethane	2.71	64	350039	48.192	ug/l	99
7) Trichlorofluoromethane	3.02	101	739585	48.409	ug/l	99
8) Diethyl Ether	3.41	74	311516	54.048	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	450985	46.297	ug/l	98
10) Methyl Iodide	3.96	142	709972	51.900	ug/l	99
11) Tert butyl alcohol	4.77	59	176704	289.025	ug/l	99
12) 1,1-Dichloroethene	3.74	96	451992	48.028	ug/l	99
13) Acrolein	3.61	56	137058	247.235	ug/l	99
14) Allyl chloride	4.33	41	735078	50.426	ug/l	94
15) Acrylonitrile	4.99	53	925496	272.483	ug/l	100
16) Acetone	3.81	43	593769	302.233	ug/l	96
17) Carbon Disulfide	4.06	76	1317690	42.933	ug/l	99
18) Methyl Acetate	4.32	43	509284	56.974	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1386328	55.047	ug/l	97
20) Methylene Chloride	4.55	84	539446	50.337	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	483641	47.832	ug/l	99
22) Diisopropyl ether	5.95	45	1655840	53.216	ug/l	97
23) Vinyl Acetate	5.89	43	4643161	259.506	ug/l	98
24) 1,1-Dichloroethane	5.85	63	942715	50.986	ug/l	99
25) 2-Butanone	6.83	43	968639	293.786	ug/l	98
26) 2,2-Dichloropropane	6.83	77	424545	30.079	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	571993	49.968	ug/l	96
28) Bromochloromethane	7.19	49	427118	53.310	ug/l	94
29) Tetrahydrofuran	7.21	42	694889	282.189	ug/l	98
30) Chloroform	7.37	83	921387	50.728	ug/l	99
31) Cyclohexane	7.65	56	833987	48.052	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	759143	49.063	ug/l	99
36) 1,1-Dichloropropene	7.79	75	681057	45.830	ug/l	99
37) Ethyl Acetate	6.93	43	461534	55.634	ug/l	99
38) Carbon Tetrachloride	7.78	117	646827	47.487	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	800586	44.347	ug/l	98
40) Benzene	8.04	78	2132668	48.248	ug/l	99
41) Methacrylonitrile	7.17	41	279265	58.262	ug/l	93
42) 1,2-Dichloroethane	8.12	62	653277	50.028	ug/l	98
43) Isopropyl Acetate	8.16	43	855206	53.340	ug/l	99
44) Trichloroethene	8.83	130	595949	46.613	ug/l	96
45) 1,2-Dichloropropane	9.12	63	571723	49.657	ug/l	99
46) Dibromomethane	9.21	93	334027	49.802	ug/l	98
47) Bromodichloromethane	9.40	83	702308	49.260	ug/l	99
48) Methyl methacrylate	9.20	41	428367	53.213	ug/l	99
49) 1,4-Dioxane	9.20	88	104080	1022.095	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2199713	273.803	ug/l	99
52) Toluene	10.16	92	1377880	50.291	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	686912	45.819	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	789090	45.855	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	483421	50.576	ug/l	100
56) Ethyl methacrylate	10.43	69	674467	53.312	ug/l	97
57) 1,3-Dichloropropane	10.71	76	824643	50.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1834385	264.111	ug/l	98
59) 2-Hexanone	10.75	43	1485233	273.241	ug/l	99
60) Dibromochloromethane	10.90	129	542104	49.547	ug/l	100
61) 1,2-Dibromoethane	11.00	107	491318	50.613	ug/l	99
64) Tetrachloroethene	10.63	164	691815	46.146	ug/l	99
65) Chlorobenzene	11.43	112	1541048	50.231	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	521895	48.919	ug/l	99
67) Ethyl Benzene	11.51	91	3011622	57.081	ug/l	100
68) m/p-Xylenes	11.62	106	3697381	184.342	ug/l	99
69) o-Xylene	11.95	106	1367033	71.027	ug/l	100
70) Styrene	11.96	104	1570223	50.033	ug/l	96
71) Bromoform	12.13	173	382198	49.590	ug/l #	100
73) Isopropylbenzene	12.25	105	2469562	47.060	ug/l	100
74) N-amyl acetate	12.07	43	762168	52.313	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	533628	51.833	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	724583	64.176	ug/l #	100
77) Bromobenzene	12.53	156	685957	50.287	ug/l	92
78) n-propylbenzene	12.59	91	2809757	47.013	ug/l	100
79) 2-Chlorotoluene	12.67	91	1654837	44.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2044337	47.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	151732	43.315	ug/l	95
82) 4-Chlorotoluene	12.77	91	1693246	46.692	ug/l	99
83) tert-Butylbenzene	12.99	119	1752261	46.321	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2176234	50.611	ug/l	100
85) sec-Butylbenzene	13.17	105	2364431	46.210	ug/l	100
86) p-Isopropyltoluene	13.29	119	2118238	47.910	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1156267	47.893	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1265861	51.775	ug/l	99
89) n-Butylbenzene	13.62	91	1739656	45.736	ug/l	99
90) Hexachloroethane	13.88	117	317438	46.787	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1114568	49.052	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92078	51.727	ug/l	98

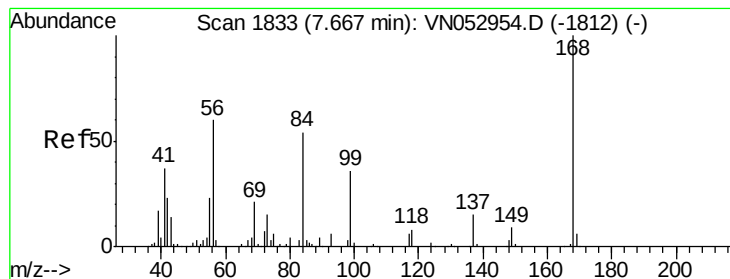
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	605458	50.291	µg/l	100
94) Hexachlorobutadiene	15.01	225	329546	53.045	µg/l	99
95) Naphthalene	15.13	128	1464203	55.398	µg/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	547610	50.510	µg/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

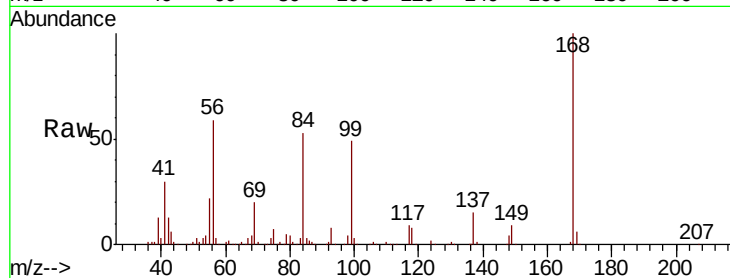
P001-SD012-0612-01MSD

Tot Ion:168 Resp: 987375

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

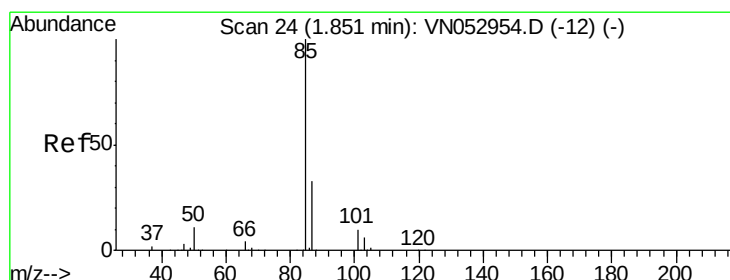
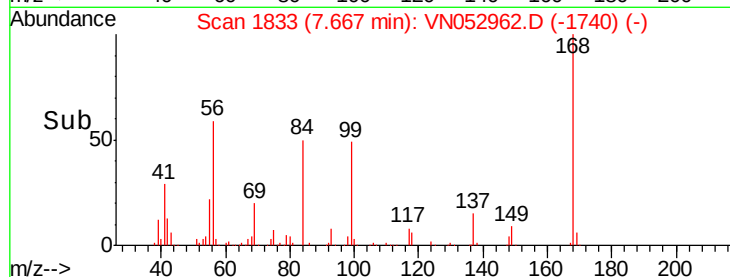
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.389 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052962.D

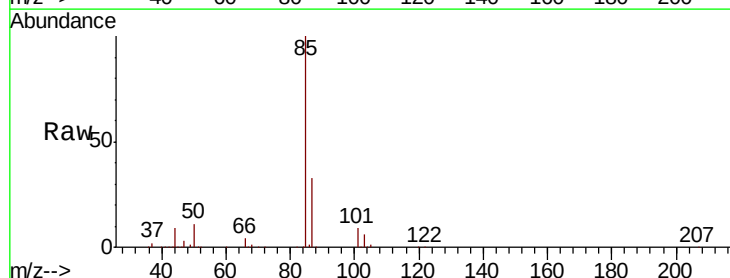
Acq: 18 Dec 2018 15:44

Tgt Ion: 85 Resp: 473557

Ion Ratio Lower Upper

85 100

87 32.6 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

400000

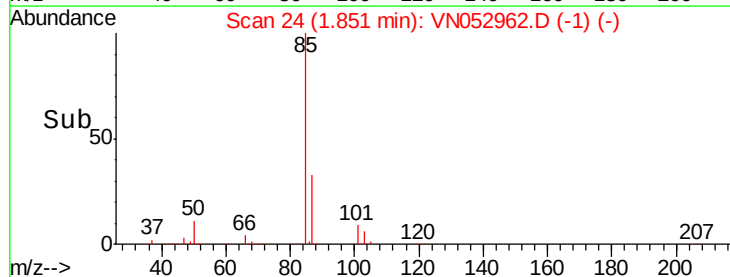
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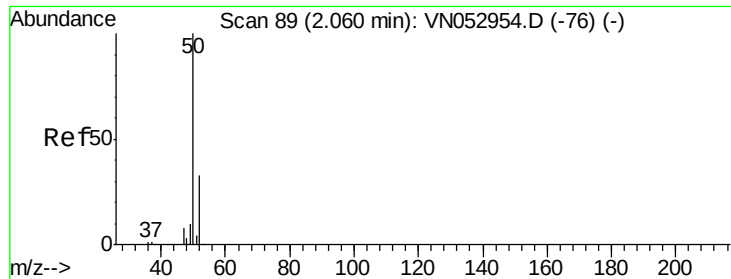
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.784 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

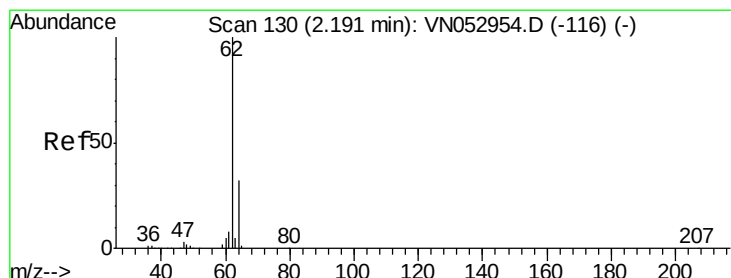
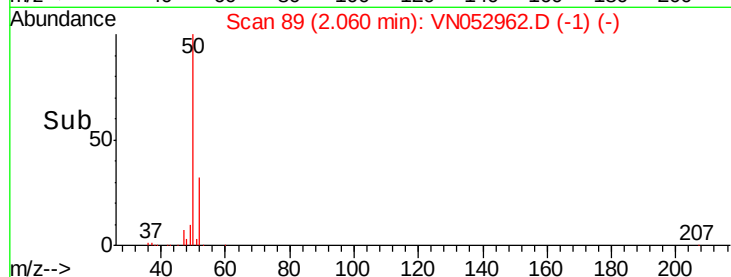
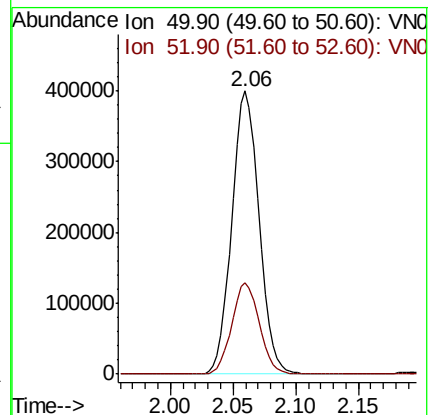
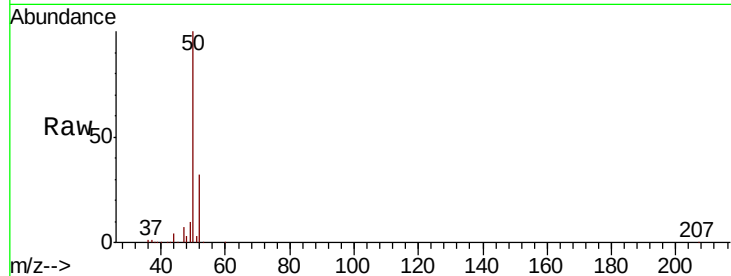
P001-SD012-0612-01MSD

Tot Ion: 50 Resp: 602853

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



#4

Vinyl Chloride

Concen: 48.163 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052962.D

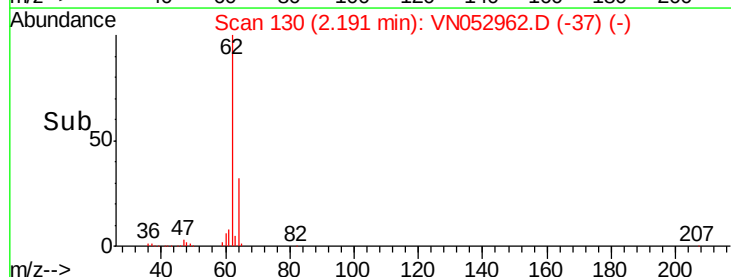
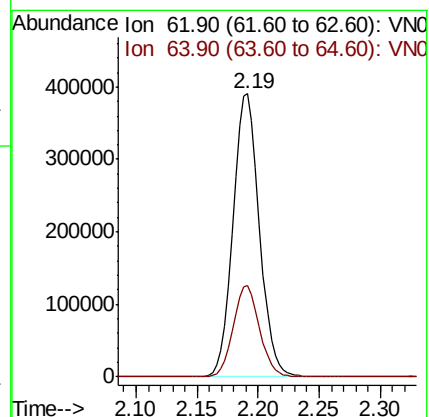
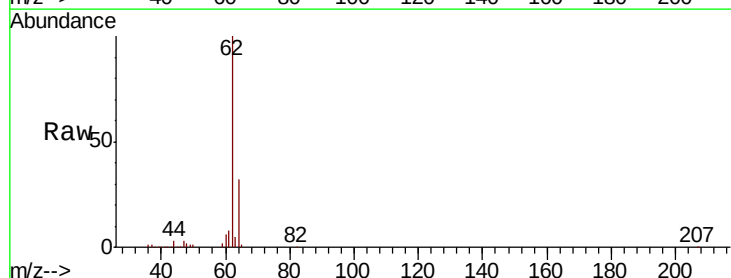
Acq: 18 Dec 2018 15:44

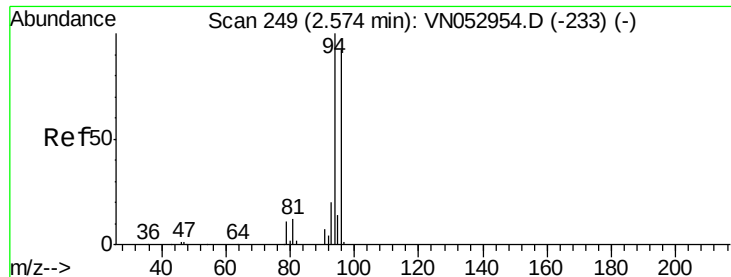
Tgt Ion: 62 Resp: 590675

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 44.552 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

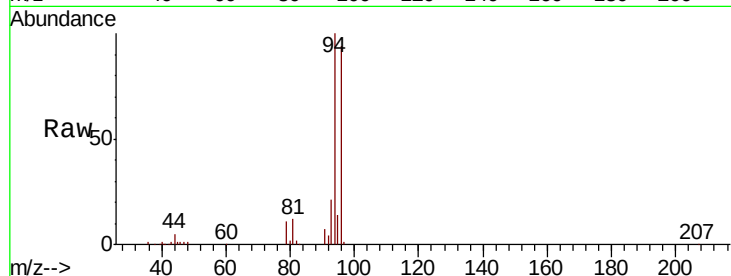
P001-SD012-0612-01MSD

Tot Ion: 94 Resp: 378551

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN052962.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052962.D (-156) (-)

2.56

200000

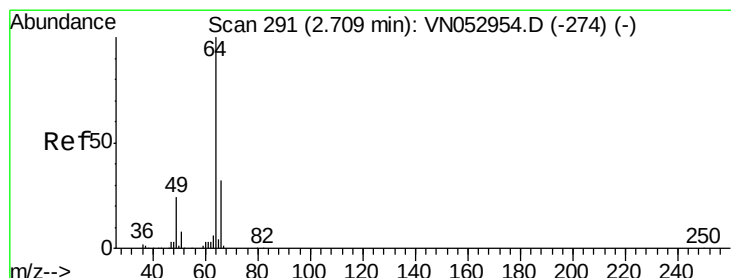
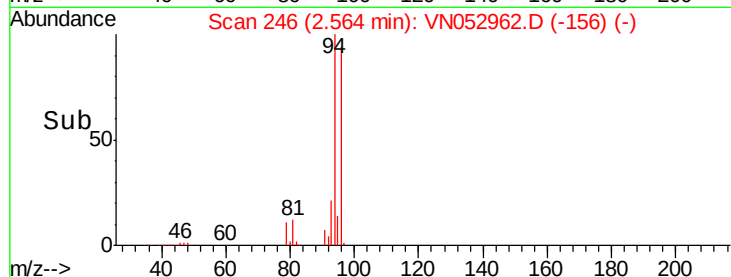
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.192 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052962.D

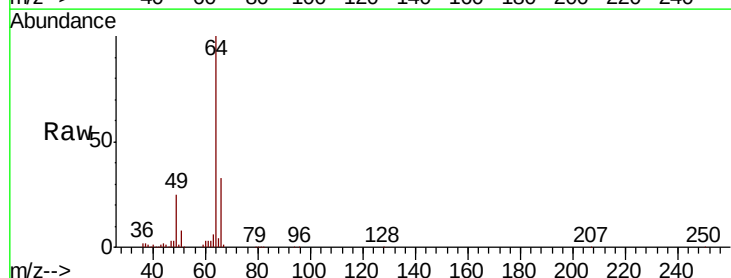
Acq: 18 Dec 2018 15:44

Tgt Ion: 64 Resp: 350039

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN052962.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052962.D (-198) (-)

2.71

200000

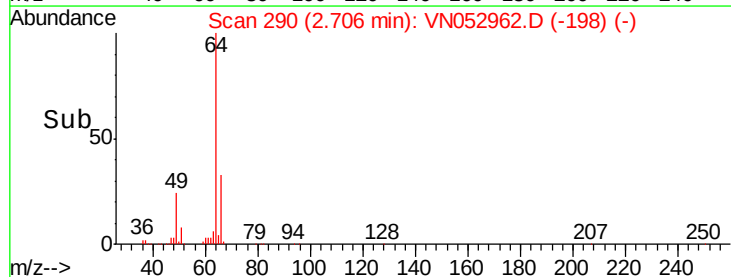
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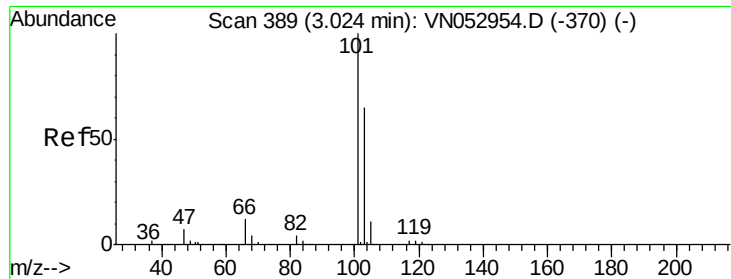
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50000

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Time-->



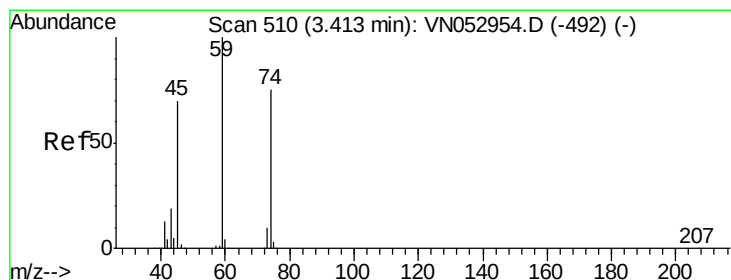
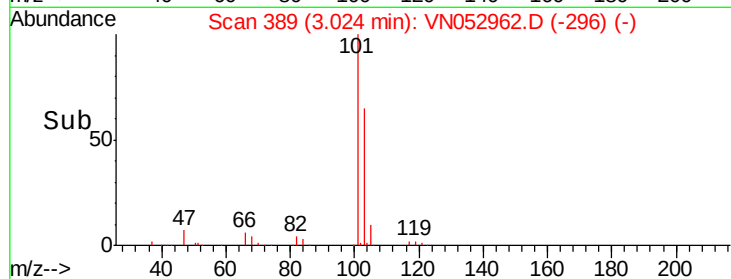
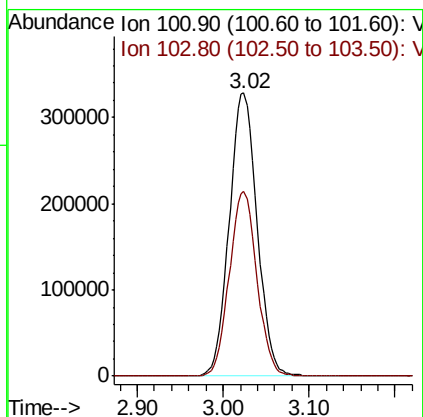
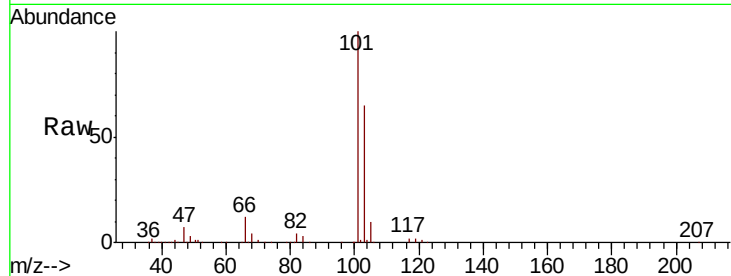


#7

Trichlorofluoromethane
Concen: 48.409 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

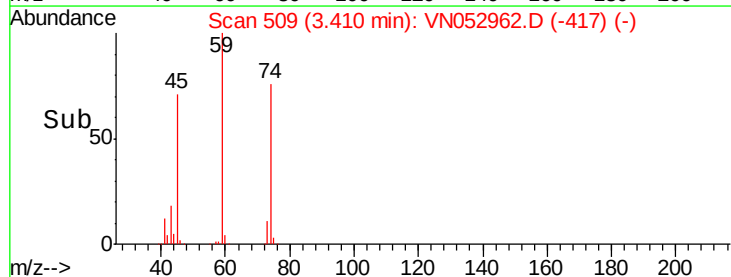
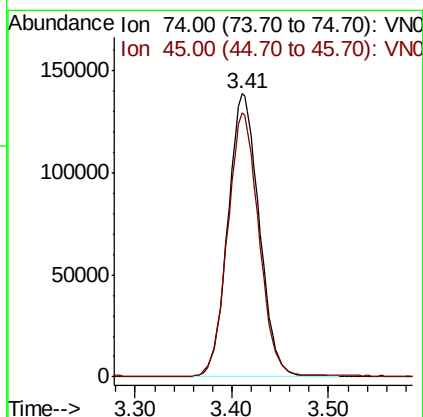
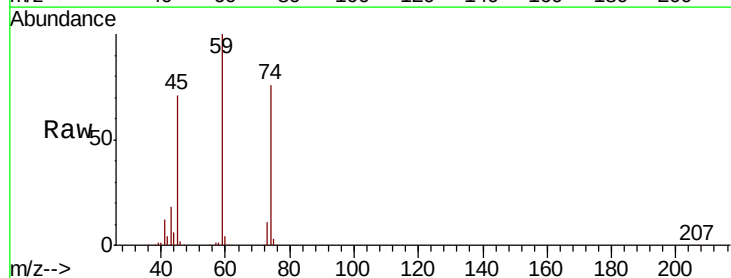
Tot Ion:101 Resp: 739585
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

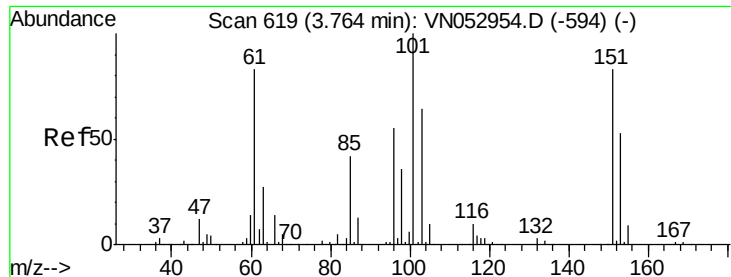


#8

Diethyl Ether
Concen: 54.048 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 74 Resp: 311516
Ion Ratio Lower Upper
74 100
45 92.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.297 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

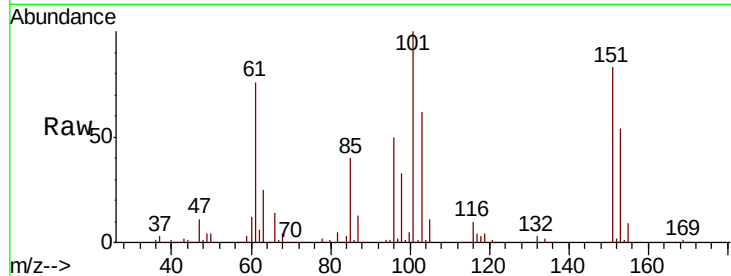
Tot Ion:101 Resp: 450985

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

151 83.7 65.5 98.3

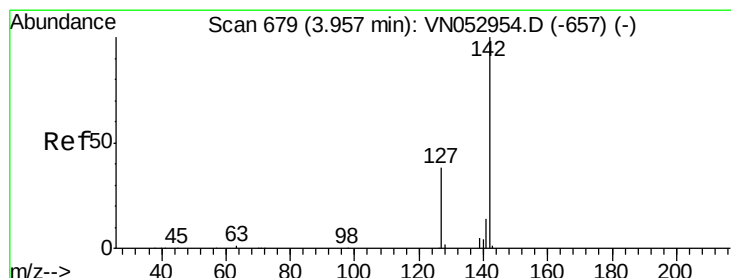
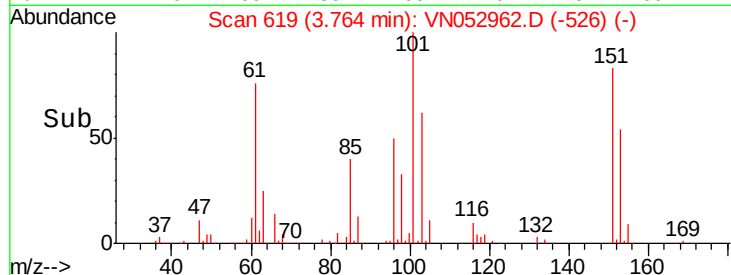
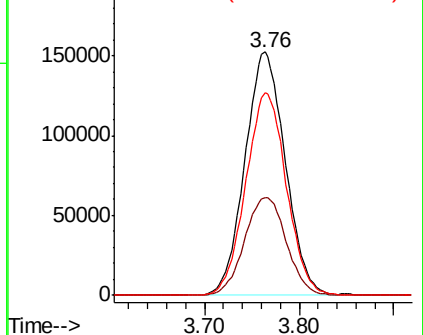


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.900 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

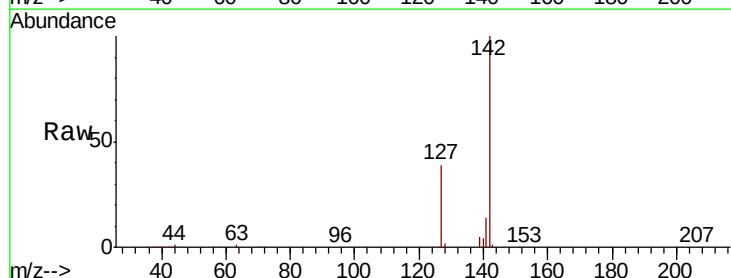
Tgt Ion:142 Resp: 709972

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

141 14.1 11.2 16.8

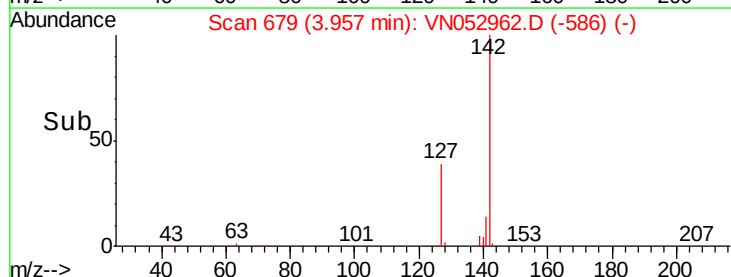
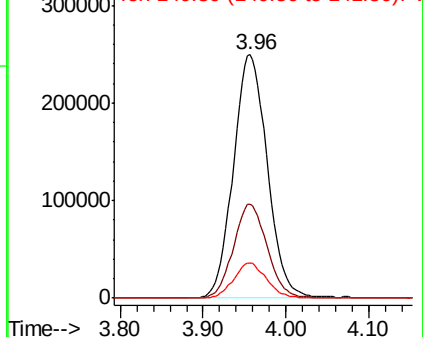


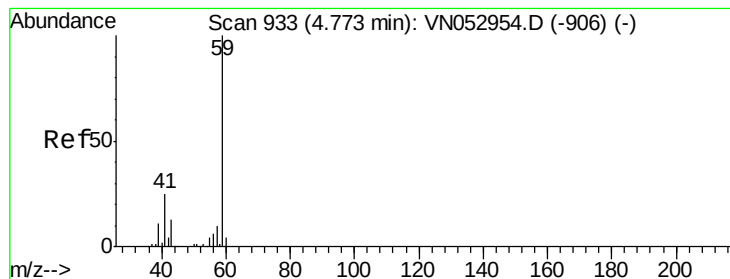
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



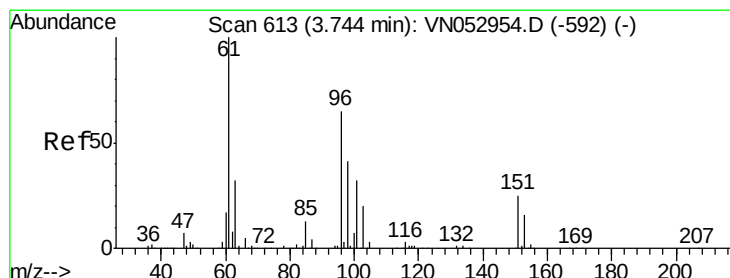
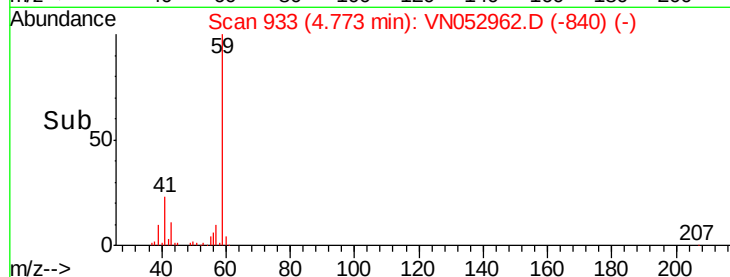
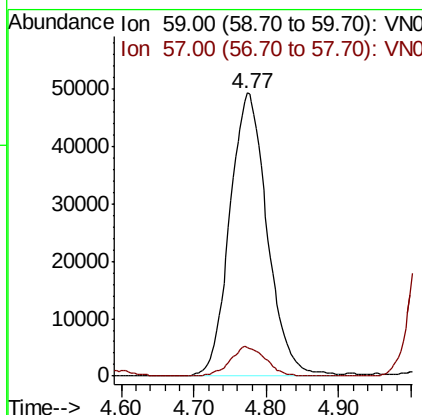
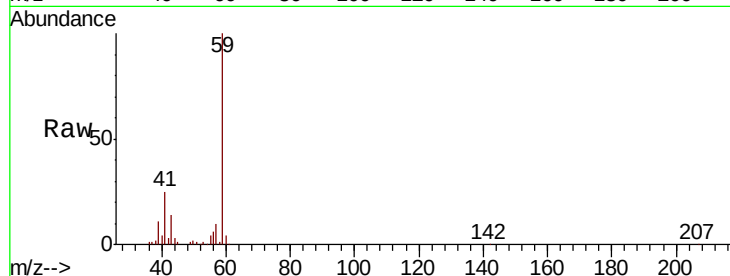


#11

Tert butyl alcohol
 Concen: 289.025 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

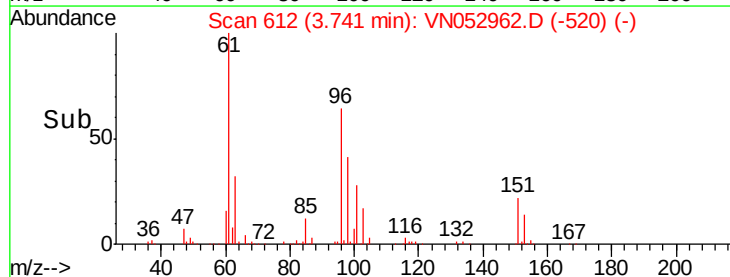
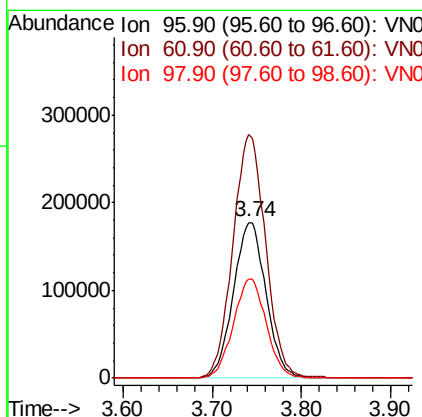
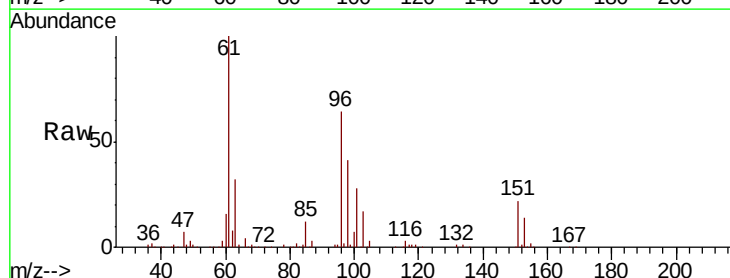
Tot Ion: 59 Resp: 176704
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

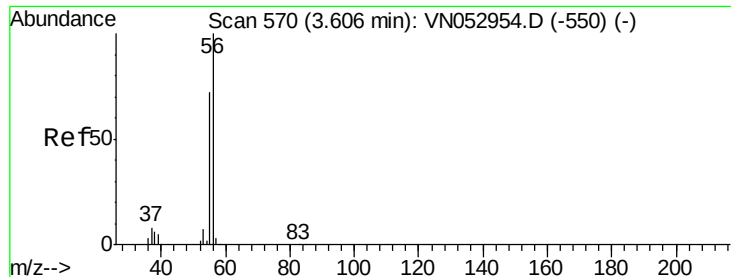


#12

1,1-Dichloroethene
 Concen: 48.028 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion: 96 Resp: 451992
 Ion Ratio Lower Upper
 96 100
 61 156.5 125.6 188.4
 98 63.8 50.6 75.8





#13

Acrolein

Concen: 247.235 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

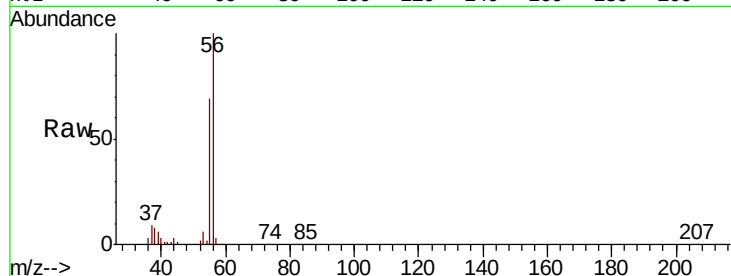
P001-SD012-0612-01MSD

Tot Ion: 56 Resp: 137058

Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

60000

50000

40000

30000

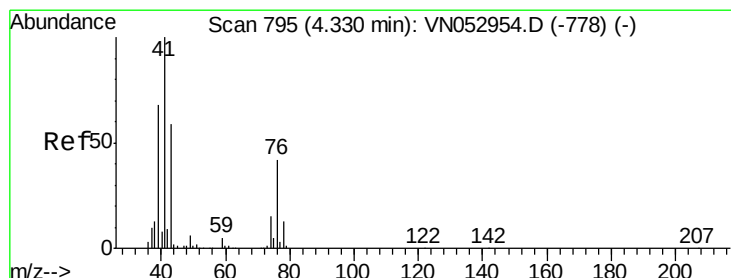
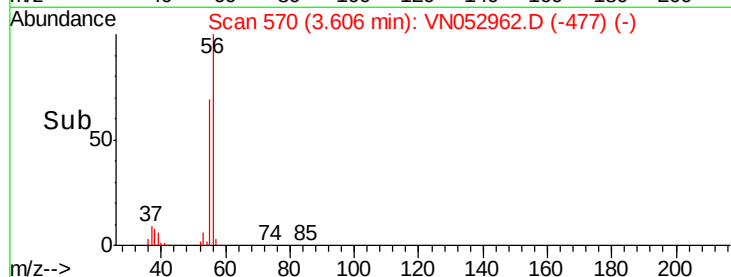
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 50.426 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

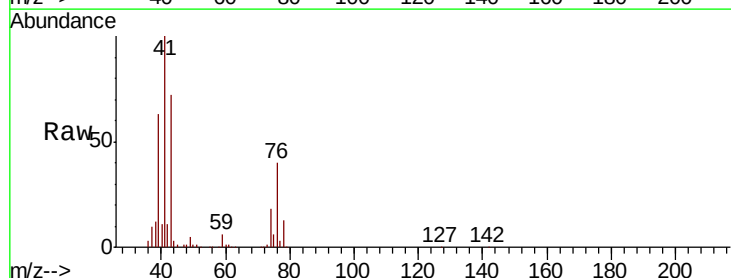
Tgt Ion: 41 Resp: 735078

Ion Ratio Lower Upper

41 100

39 61.4 54.1 81.1

76 36.1 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

600000

500000

400000

300000

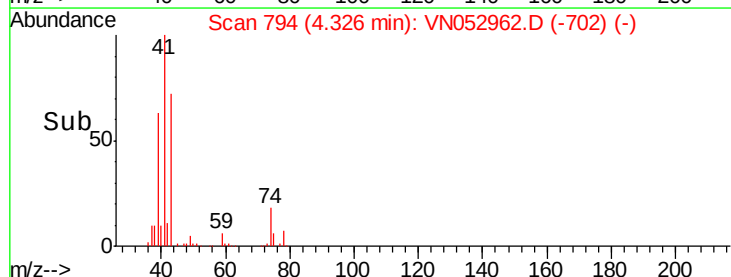
200000

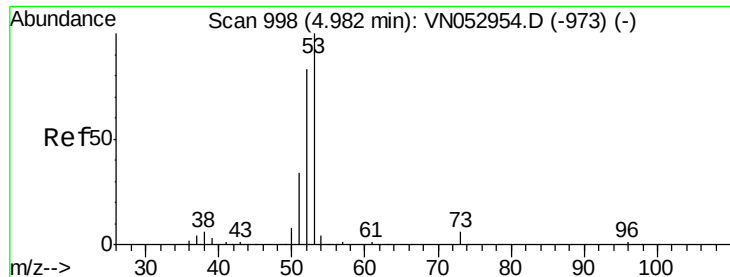
100000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 272.483 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

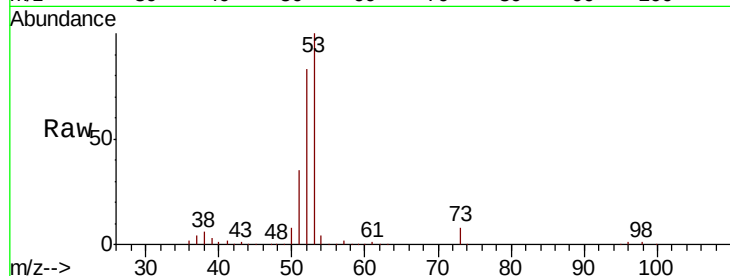
Tot Ion: 53 Resp: 925496

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

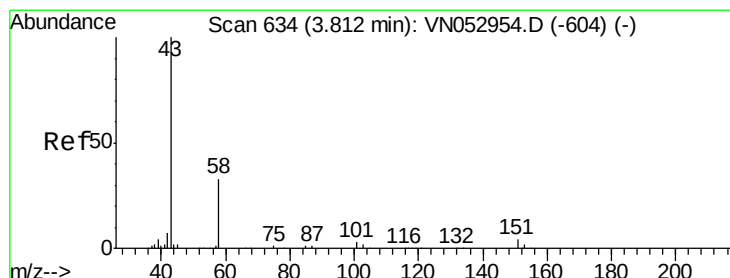
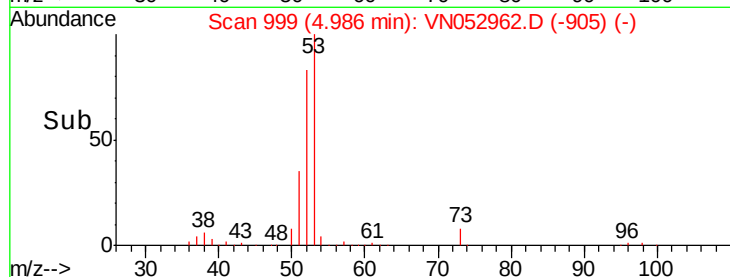
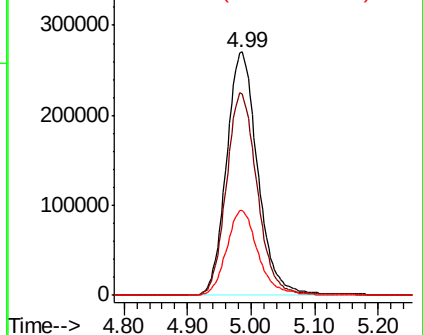
51 35.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 302.233 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN052962.D

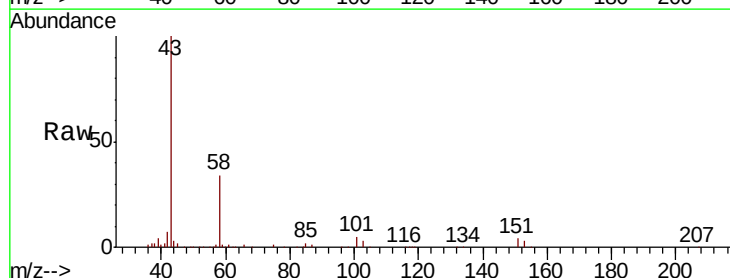
Acq: 18 Dec 2018 15:44

Tgt Ion: 43 Resp: 593769

Ion Ratio Lower Upper

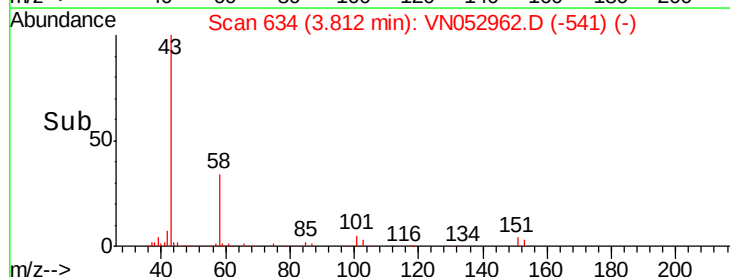
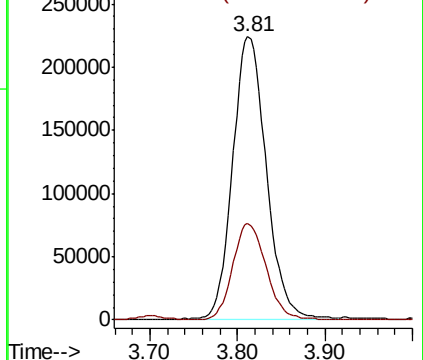
43 100

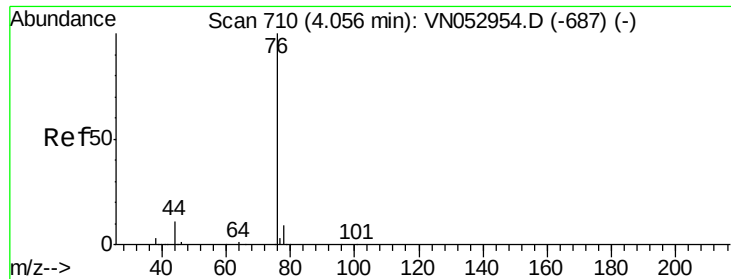
58 33.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.933 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

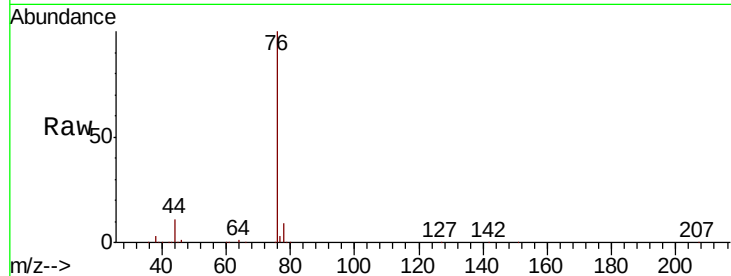
P001-SD012-0612-01MSD

Tot Ion: 76 Resp: 1317690

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

500000

400000

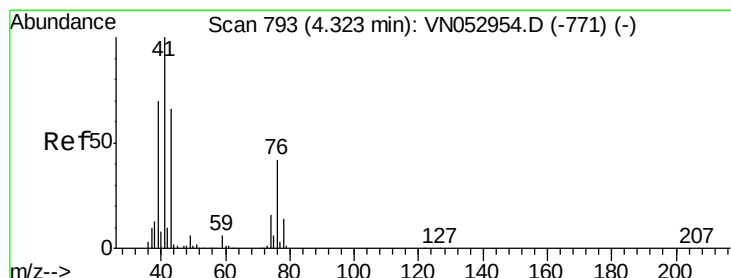
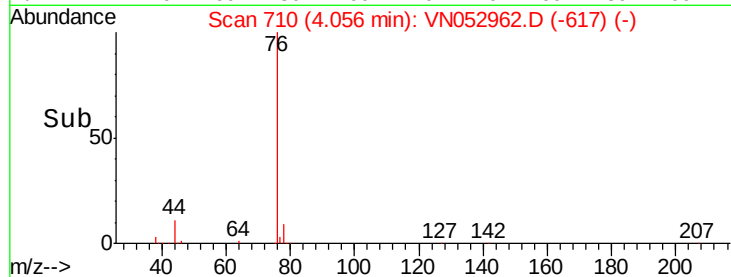
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 56.974 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052962.D

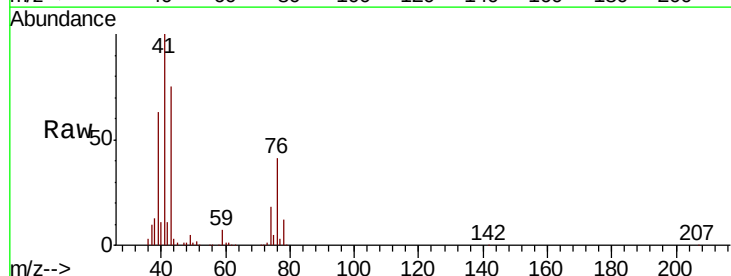
Acq: 18 Dec 2018 15:44

Tgt Ion: 43 Resp: 509284

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.32

200000

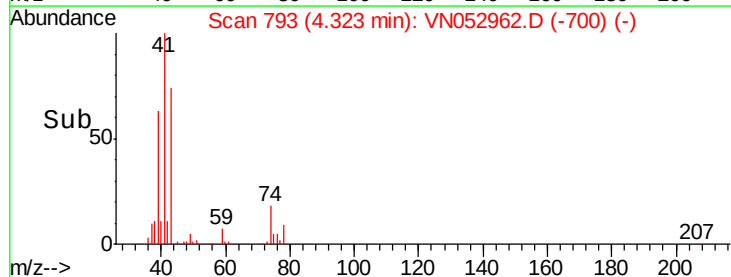
150000

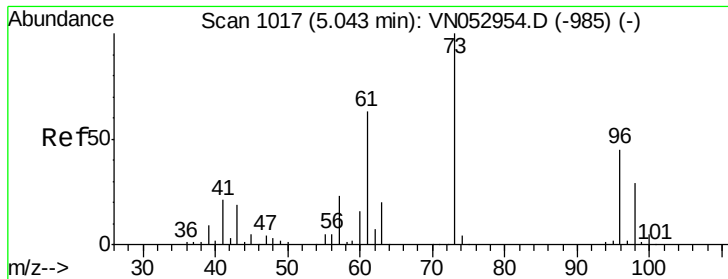
100000

50000

0

Time--> 4.20 4.30 4.40 4.50

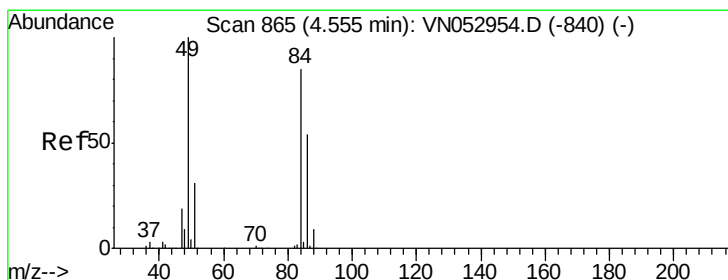
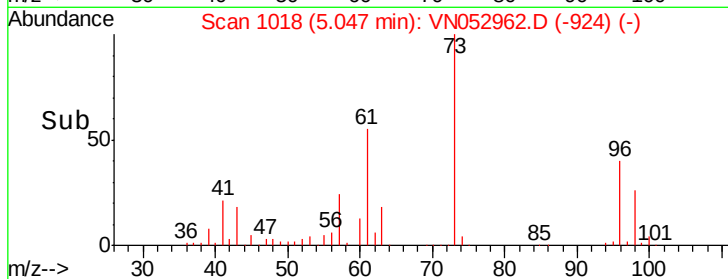
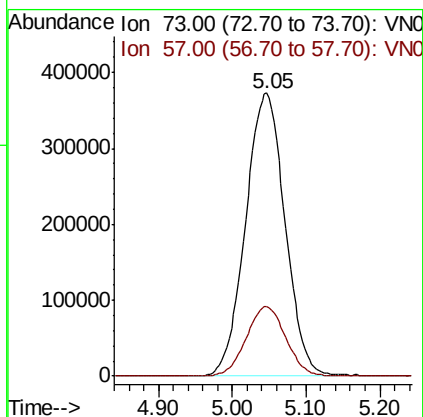
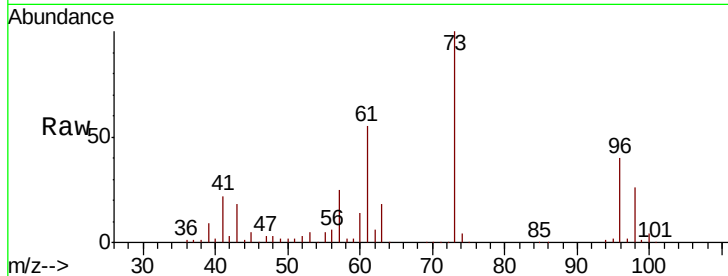




#19
Methyl tert-butyl Ether
Concen: 55.047 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

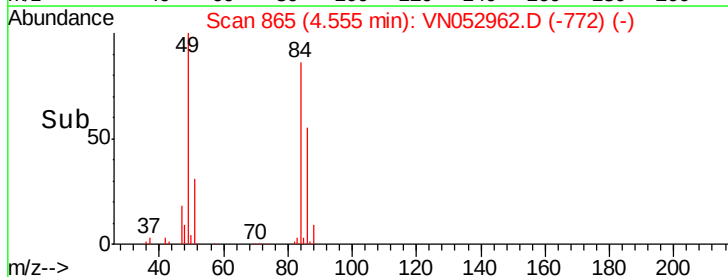
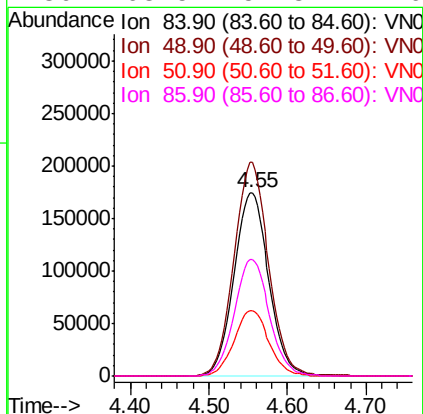
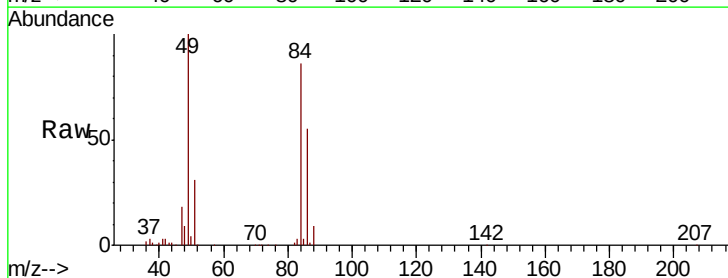
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

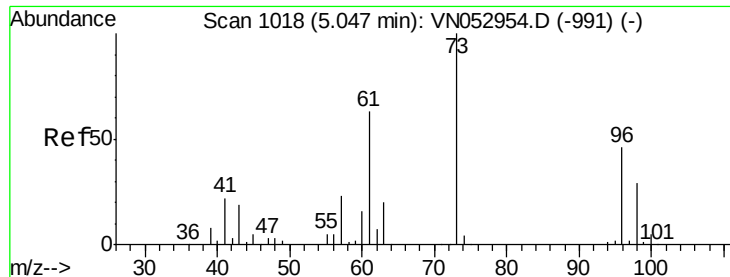
Tot Ion: 73 Resp: 1386328
Ion Ratio Lower Upper
73 100
57 24.6 18.4 27.6



#20
Methylene Chloride
Concen: 50.337 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 84 Resp: 539446
Ion Ratio Lower Upper
84 100
49 116.1 96.8 145.2
51 35.6 29.9 44.9
86 63.5 51.8 77.6

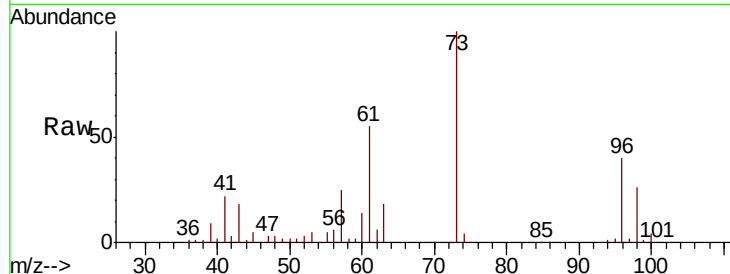




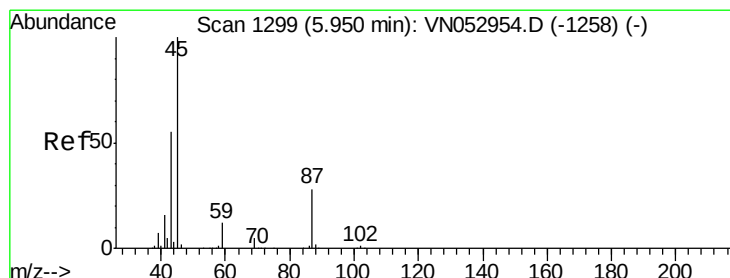
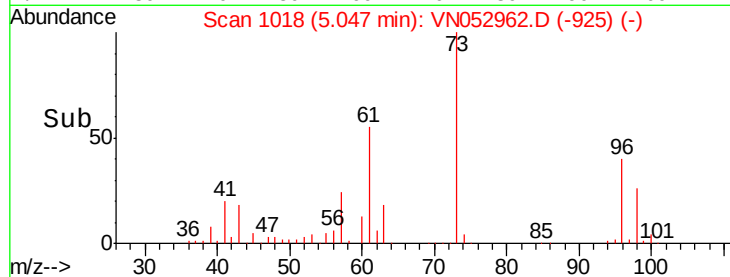
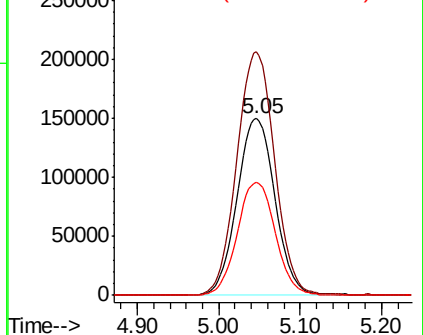
#21
trans-1,2-Dichloroethene
Concen: 47.832 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

Tot Ion: 96 Resp: 483641
Ion Ratio Lower Upper
96 100
61 137.6 110.8 166.2
98 63.8 51.4 77.2



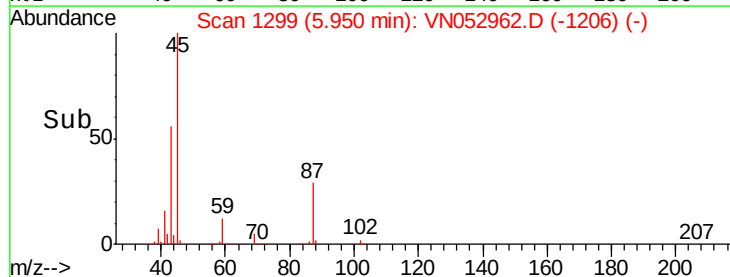
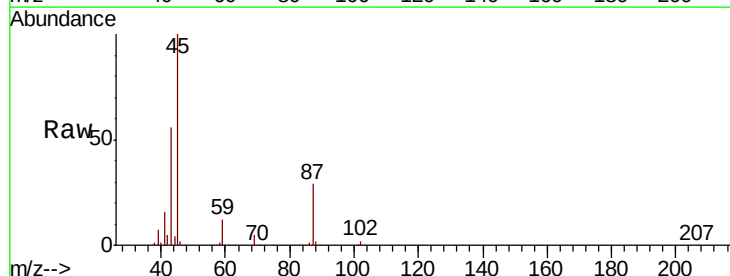
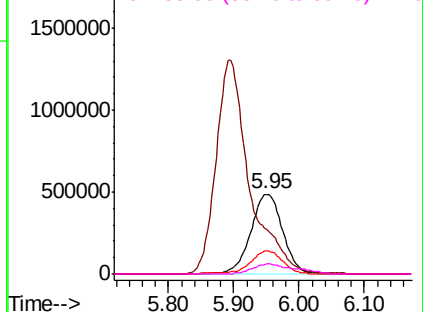
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

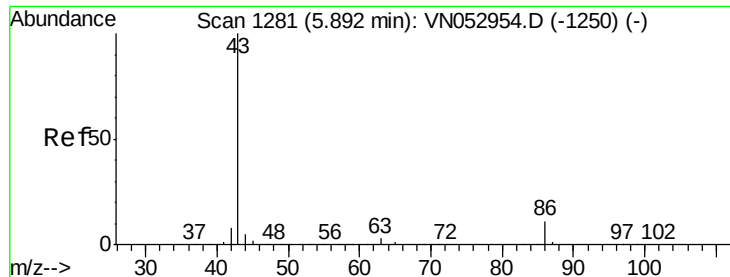


#22
Diisopropyl ether
Concen: 53.216 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 45 Resp: 1655840
Ion Ratio Lower Upper
45 100
43 54.7 45.5 68.3
87 28.7 22.0 33.0
59 12.0 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 259.506 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

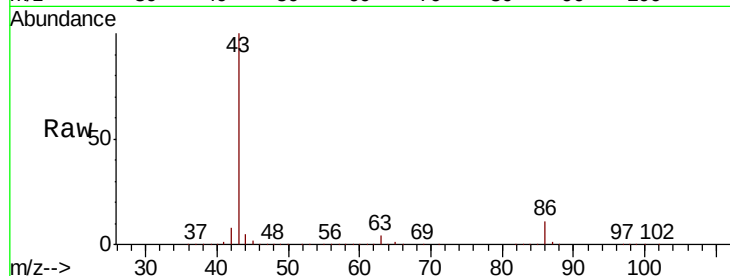
P001-SD012-0612-01MSD

Tot Ion: 43 Resp: 4643161

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

1500000

1000000

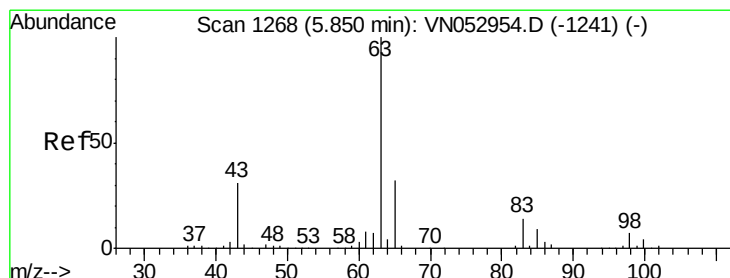
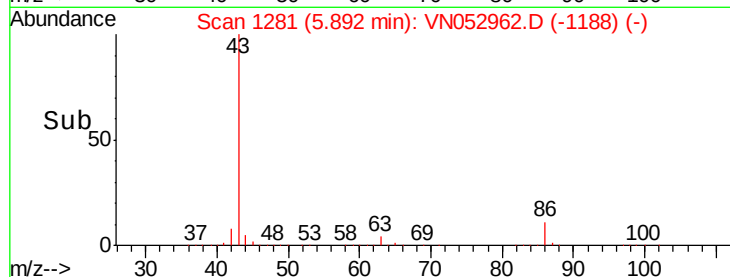
500000

0

5.89

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.986 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

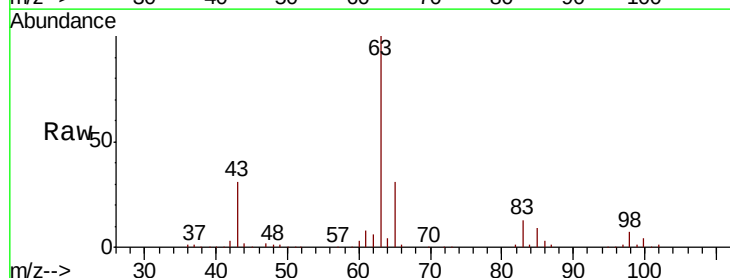
Tgt Ion: 63 Resp: 942715

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

400000

300000

200000

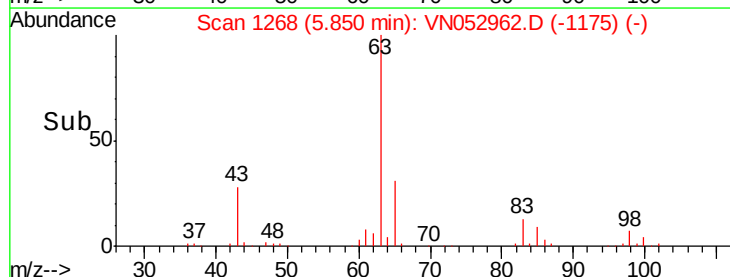
100000

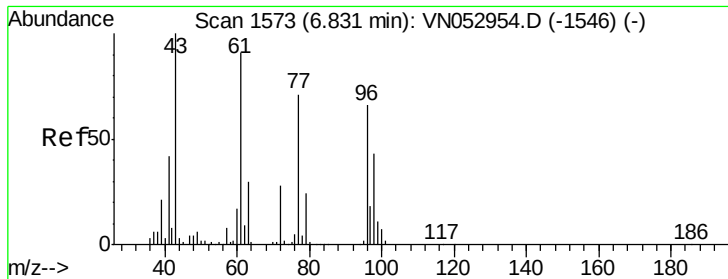
0

5.85

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 293.786 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

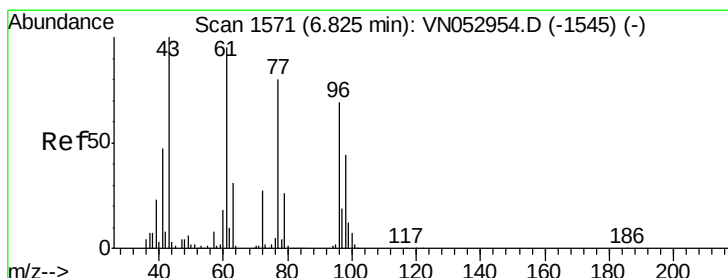
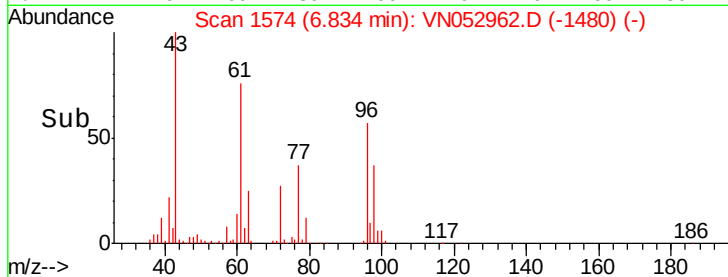
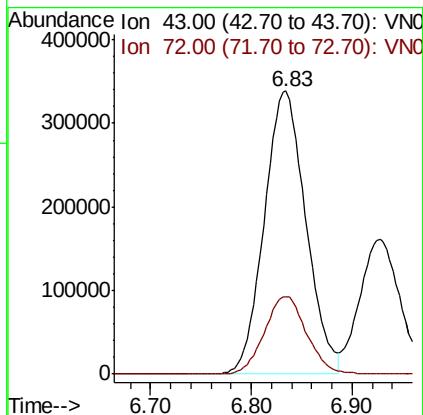
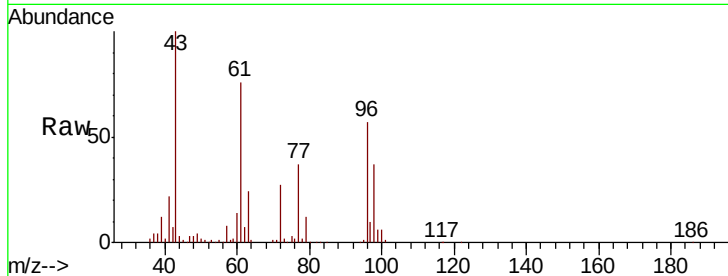
P001-SD012-0612-01MSD

Tot Ion: 43 Resp: 968639

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 30.079 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052962.D

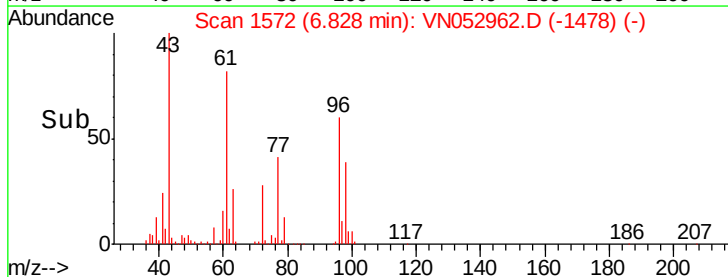
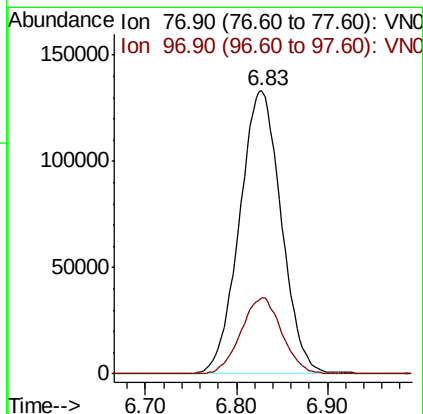
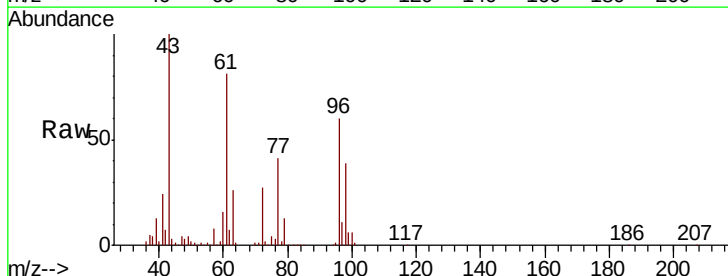
Acq: 18 Dec 2018 15:44

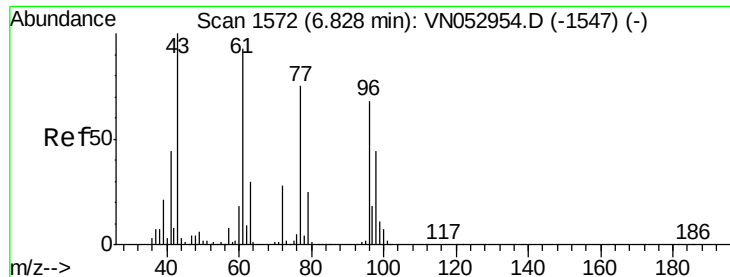
Tgt Ion: 77 Resp: 424545

Ion Ratio Lower Upper

77 100

97 26.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.968 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

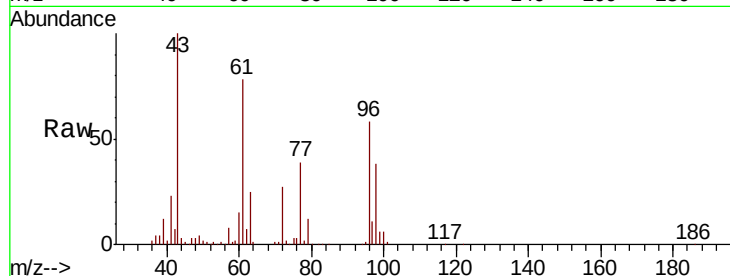
Tot Ion: 96 Resp: 571993

Ion Ratio Lower Upper

96 100

61 135.0 0.0 284.2

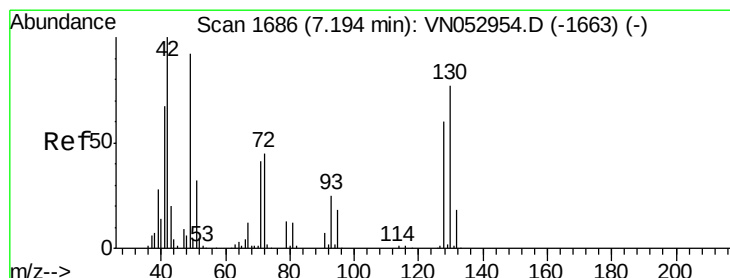
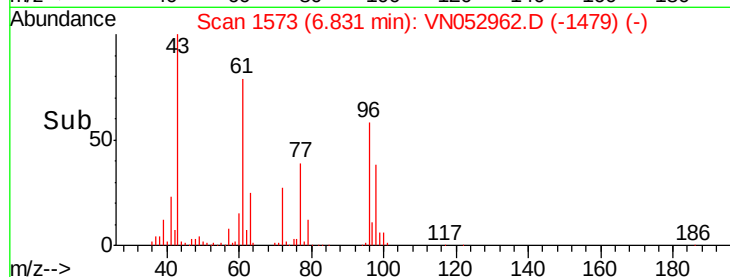
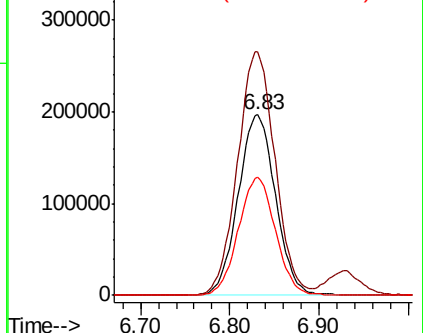
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)



#28

Bromochloromethane

Concen: 53.310 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

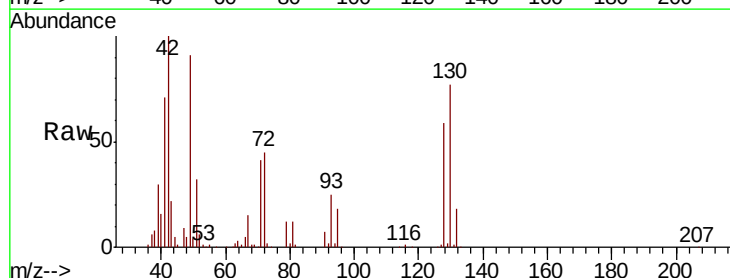
Tgt Ion: 49 Resp: 427118

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.0

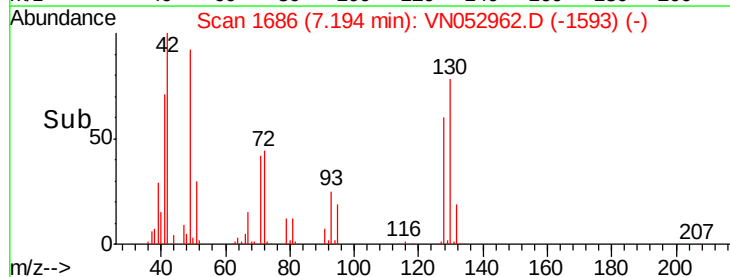
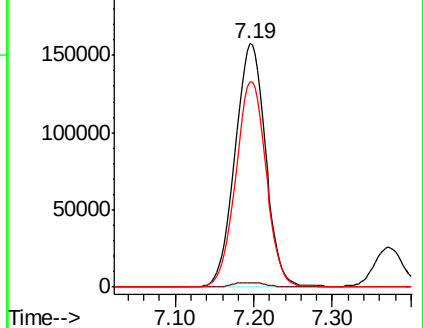
130 84.3 63.3 94.9

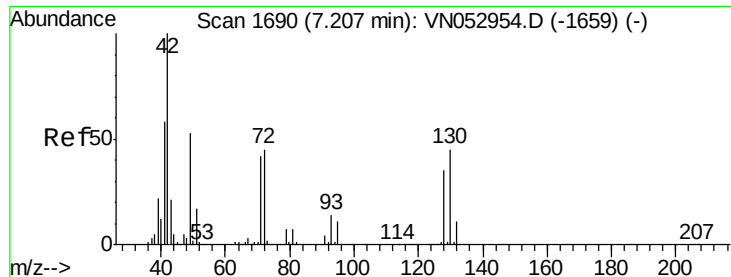


Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

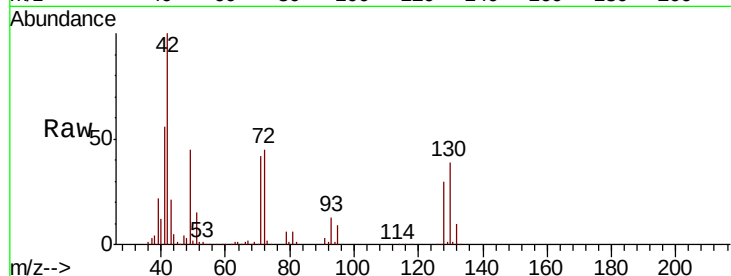




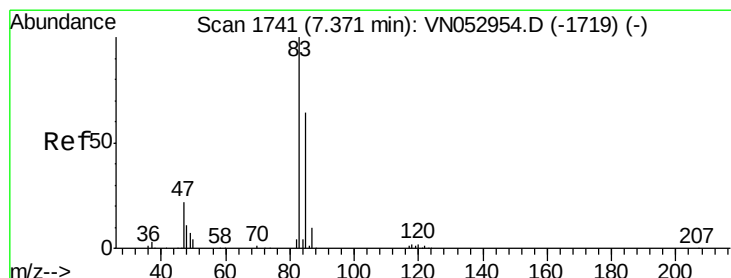
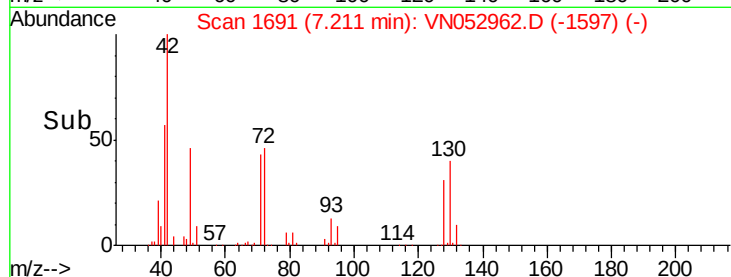
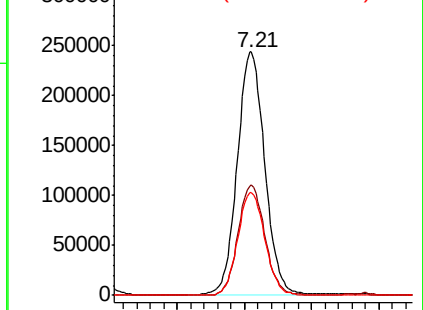
#29
Tetrahydrofuran
Concen: 282.189 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

Tot Ion: 42 Resp: 694889
Ion Ratio Lower Upper
42 100
72 44.3 34.7 52.1
71 41.7 32.3 48.5

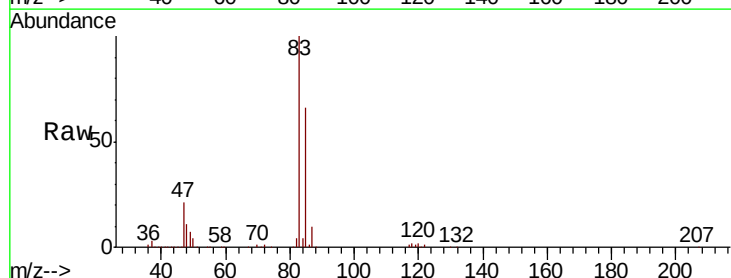


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

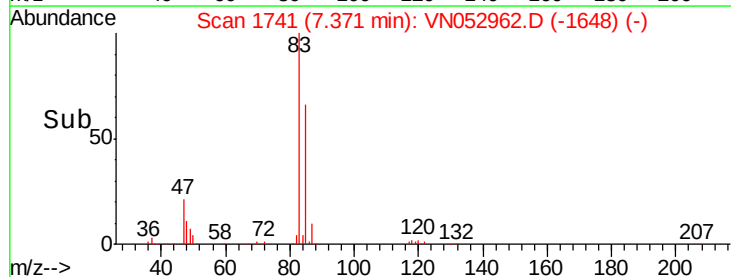
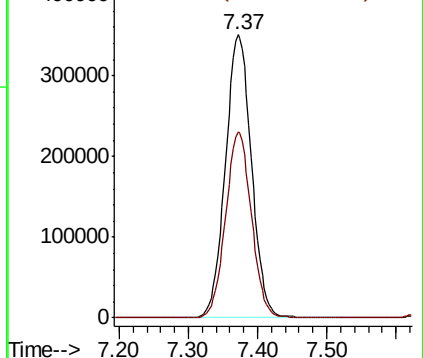


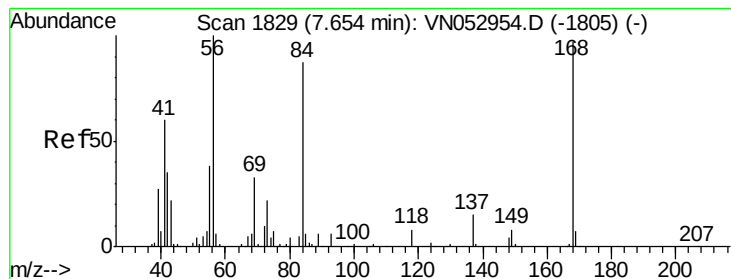
#30
Chloroform
Concen: 50.728 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 83 Resp: 921387
Ion Ratio Lower Upper
83 100
85 65.8 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.052 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

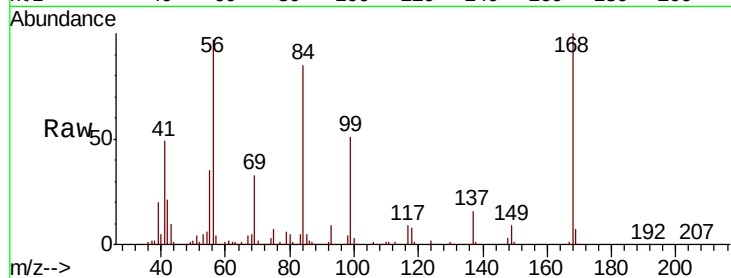
Tot Ion: 56 Resp: 833987

Ion Ratio Lower Upper

56 100

69 33.6 26.6 39.8

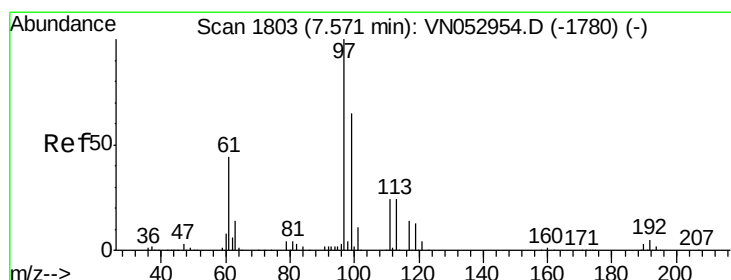
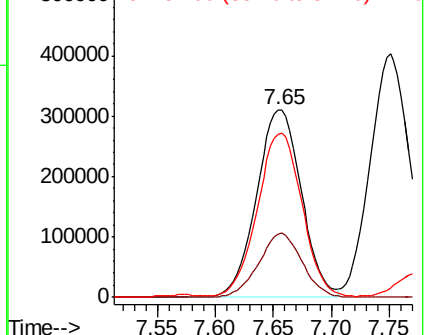
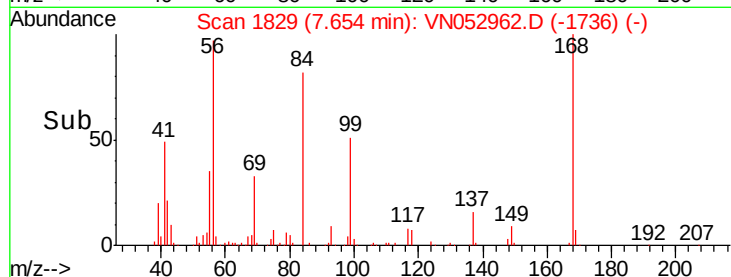
84 85.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052962.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052962.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052962.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.063 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

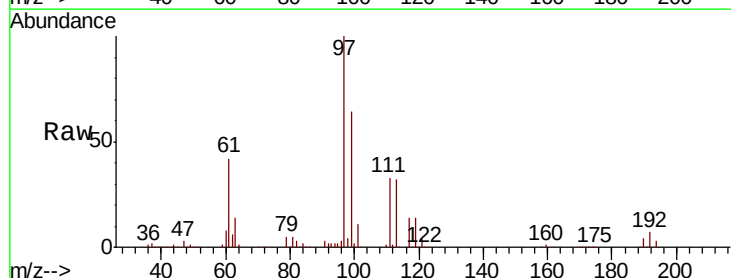
Tgt Ion: 97 Resp: 759143

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

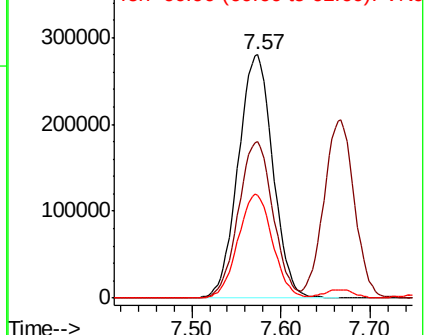
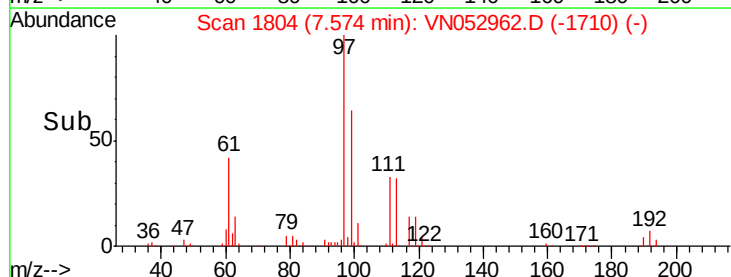
61 42.6 35.0 52.6

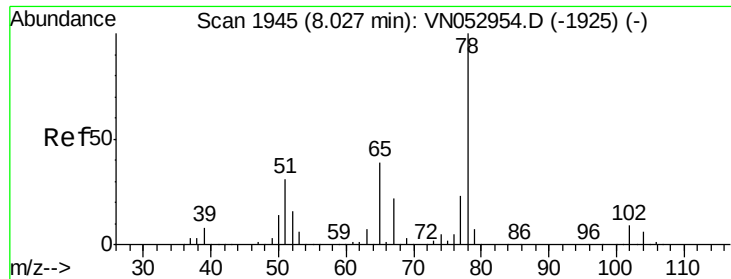


Abundance Ion 96.90 (96.60 to 97.60): VN052962.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN052962.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN052962.D (-1710) (-)

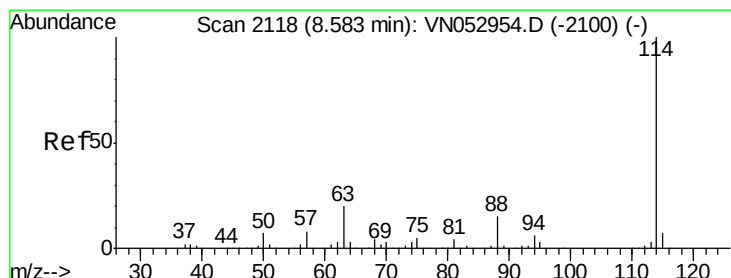
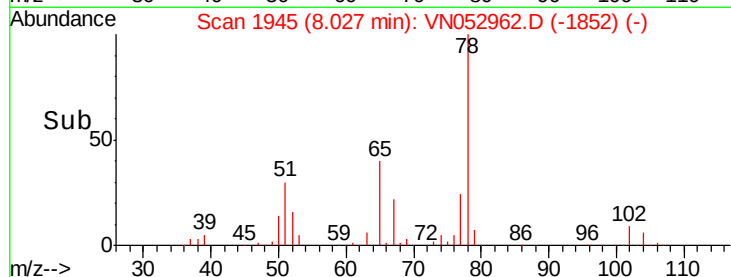
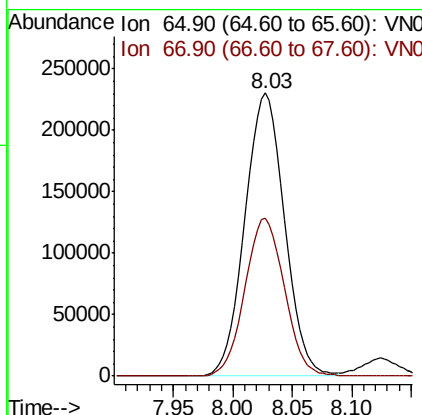
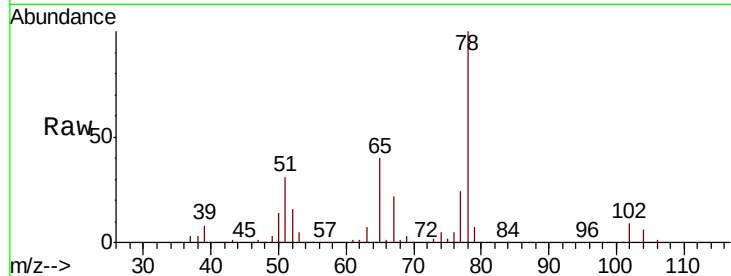




#33
 1,2-Dichloroethane-d4
 Concen: 49.063 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

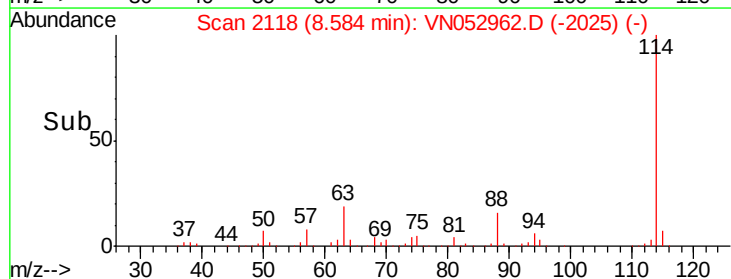
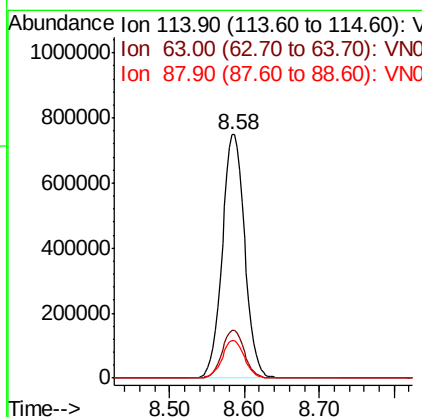
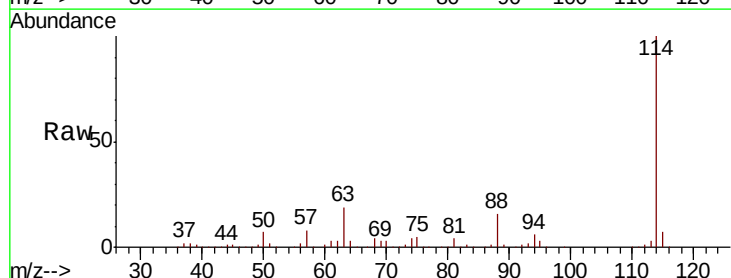
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

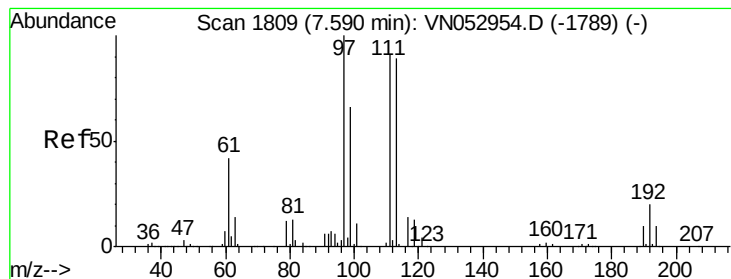
Tot Ion: 65 Resp: 533694
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion: 114 Resp: 1548254
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

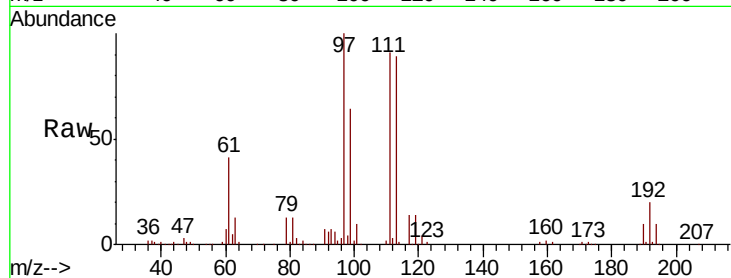
Tot Ion:113 Resp: 378038

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

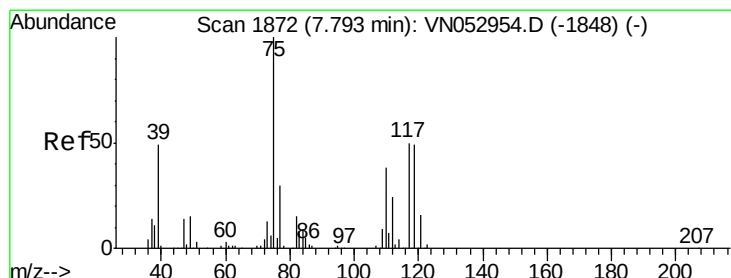
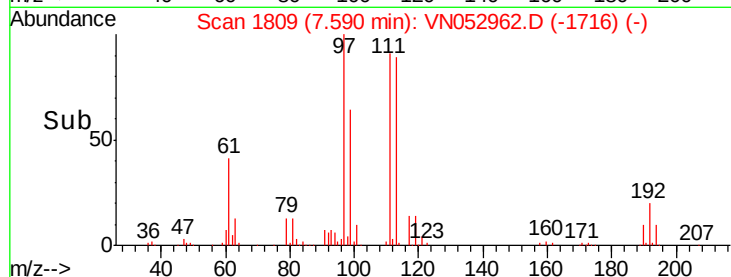
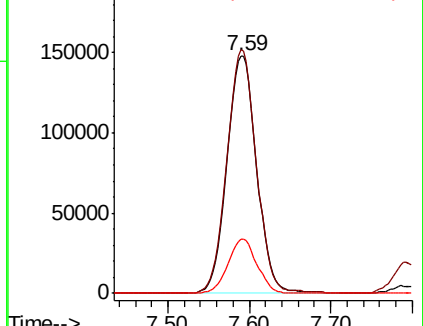
192 22.3 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.830 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

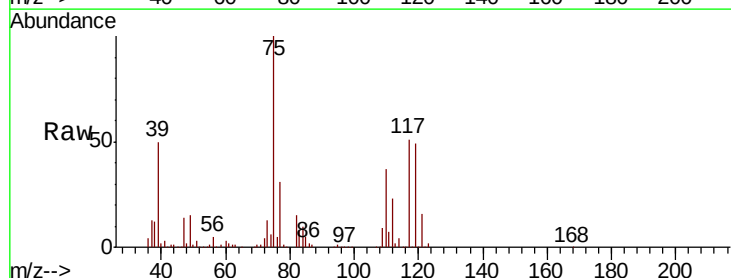
Tgt Ion: 75 Resp: 681057

Ion Ratio Lower Upper

75 100

110 37.0 18.2 54.6

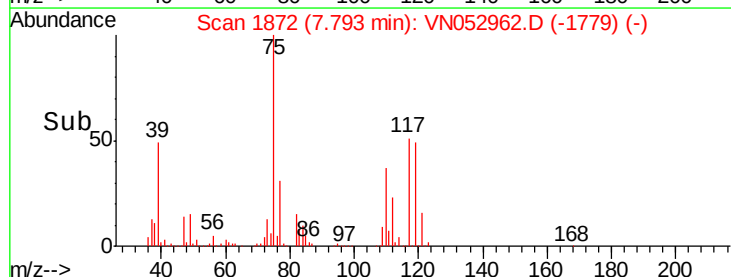
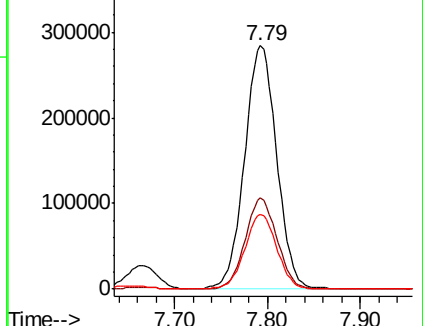
77 30.8 24.9 37.3

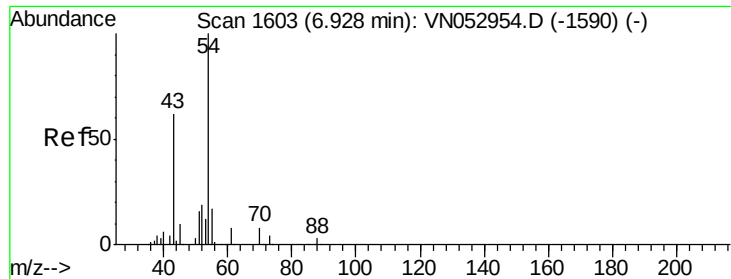


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

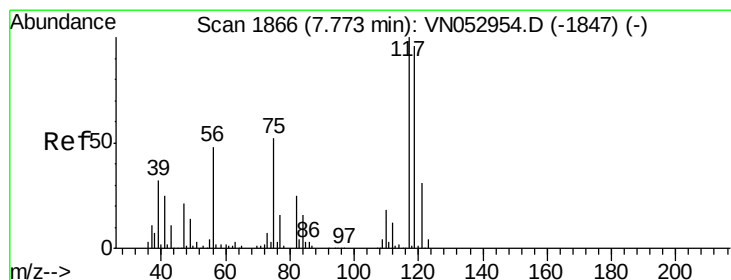
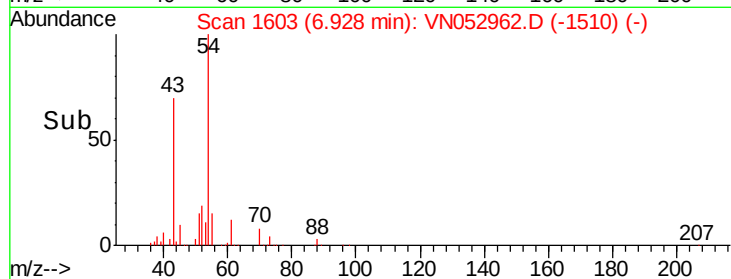
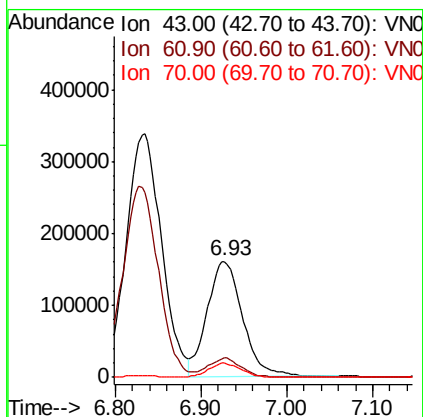
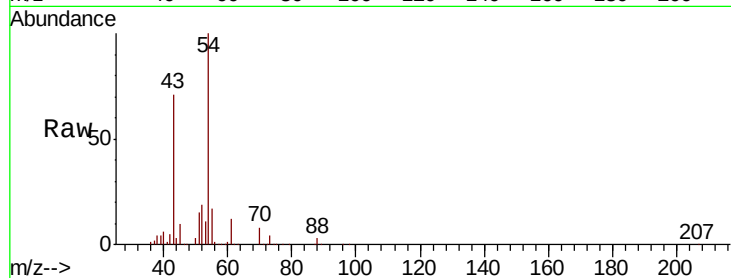




#37
Ethyl Acetate
Concen: 55.634 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

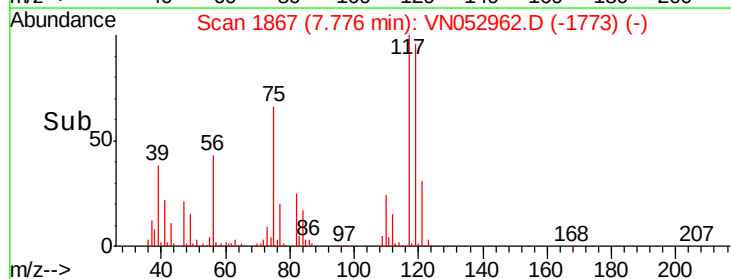
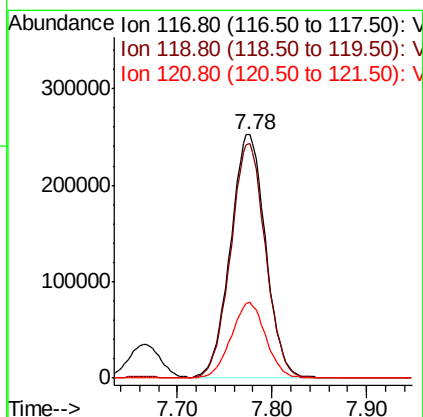
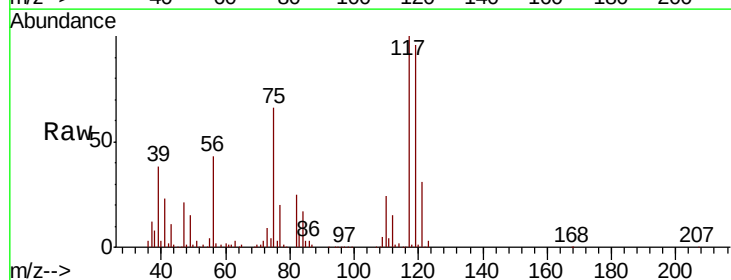
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

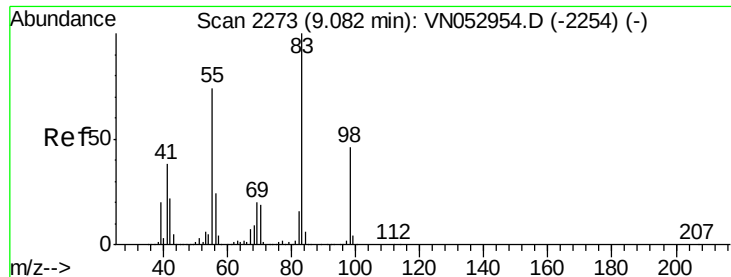
Tot Ion: 43 Resp: 461534
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.487 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 117 Resp: 646827
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7
121 31.1 24.9 37.3

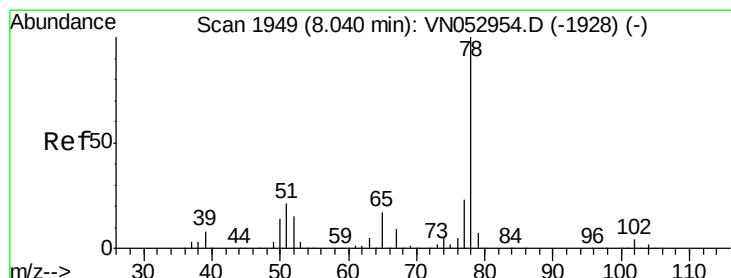
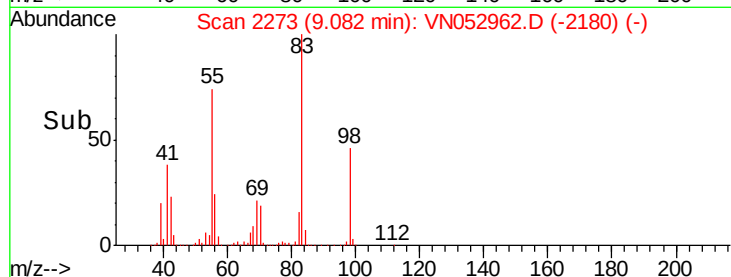
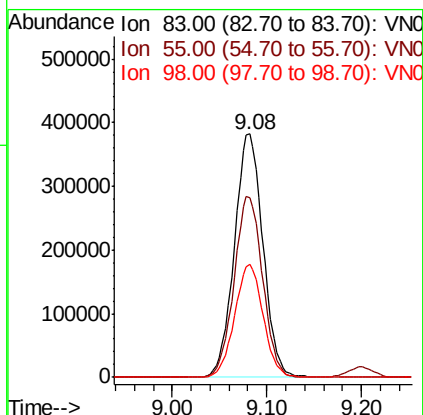
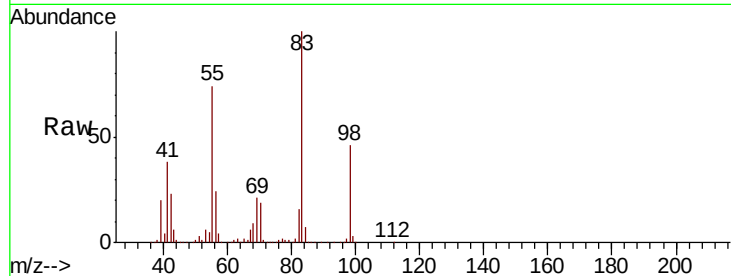




#39
Methylvlcyclohexane
Concen: 44.347 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

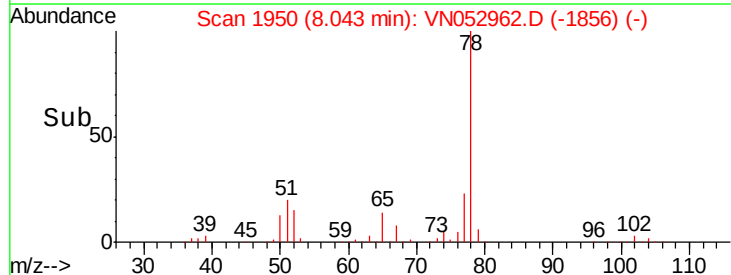
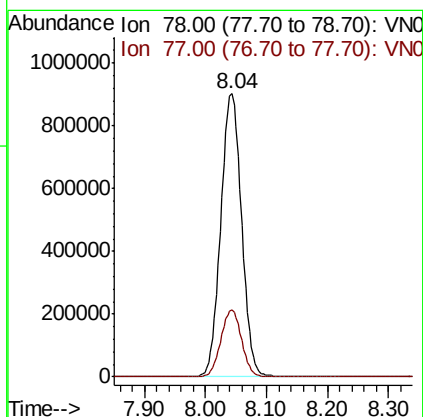
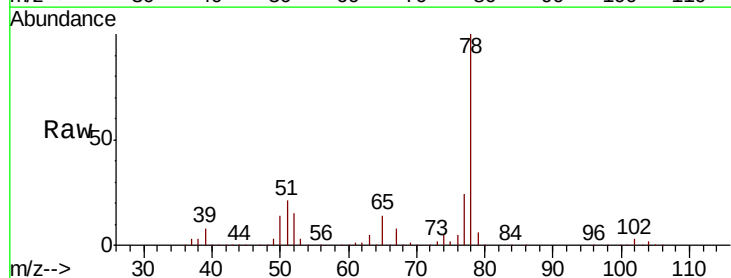
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

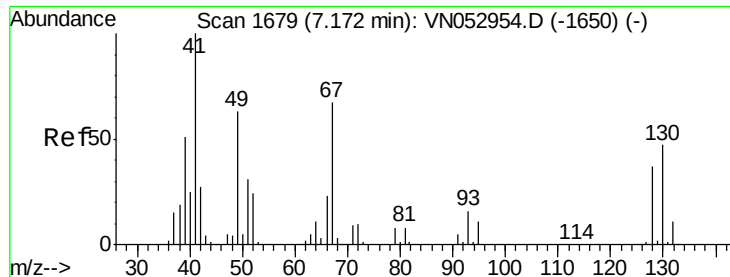
Tot Ion	83.00	Resp	800586
Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.3	91.9
98	46.2	37.0	55.4



#40
Benzene
Concen: 48.248 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion	78.00	Resp	2132668
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7

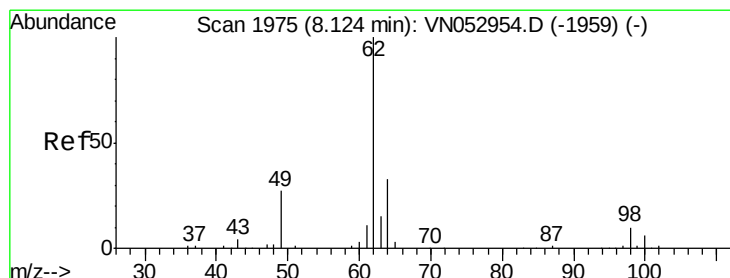
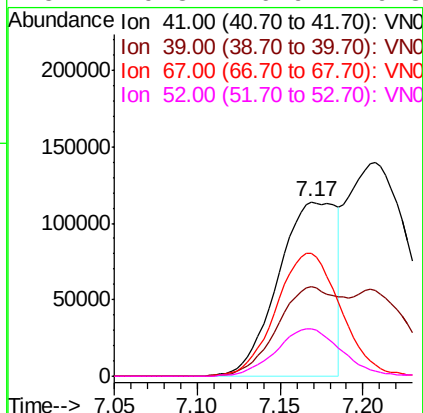
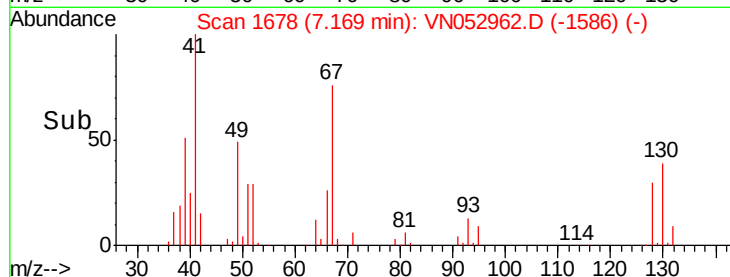
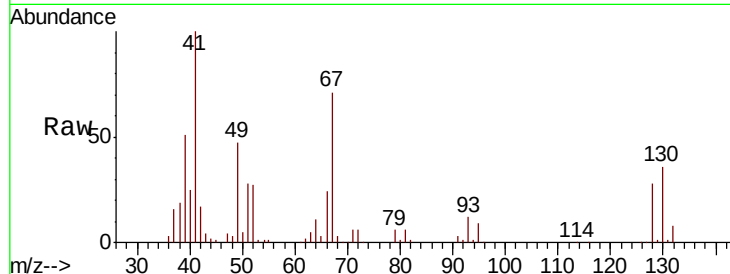




#41
Methacrylonitrile
Concen: 58.262 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

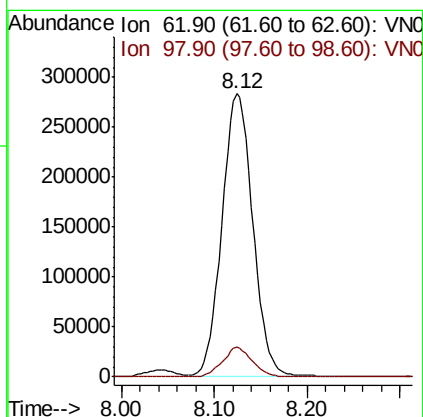
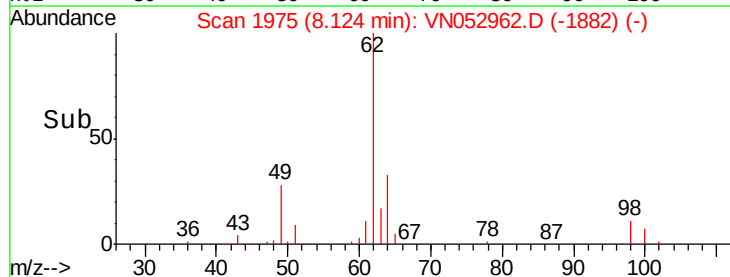
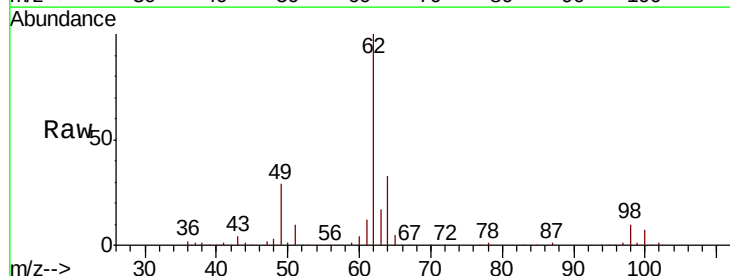
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

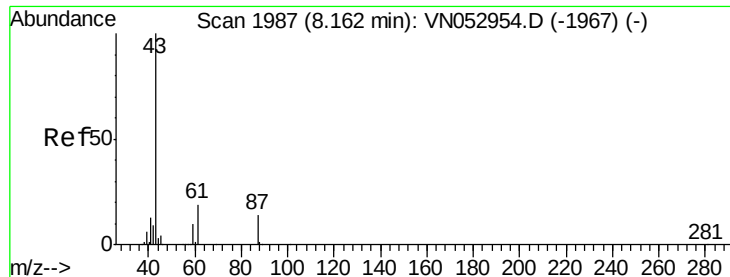
Tot Ion: 41 Resp: 279265
Ion Ratio Lower Upper
41 100
39 57.7 48.0 72.0
67 78.4 70.3 105.5
52 29.8 26.9 40.3



#42
1,2-Dichloroethane
Concen: 50.028 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 62 Resp: 653277
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 53.340 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

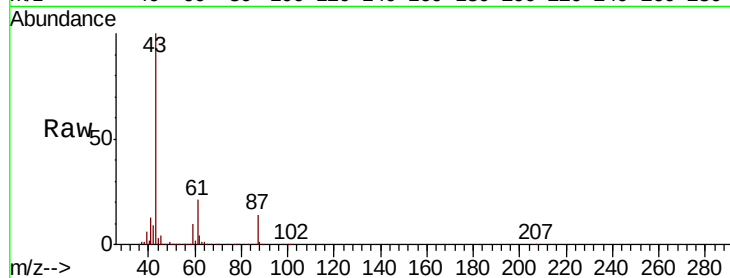
Tot Ion: 43 Resp: 855206

Ion Ratio Lower Upper

43 100

61 28.6 22.9 34.3

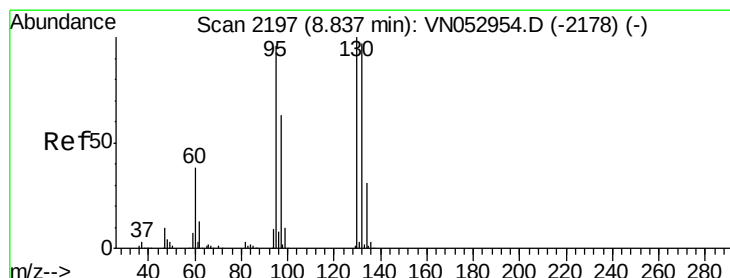
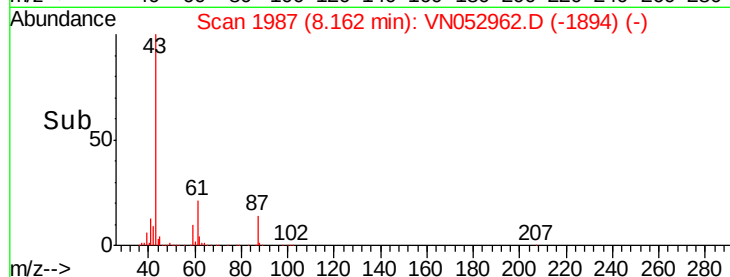
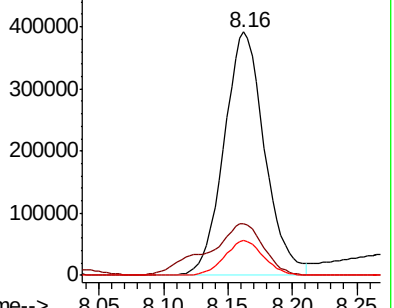
87 13.9 10.6 15.8



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

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 46.613 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052962.D

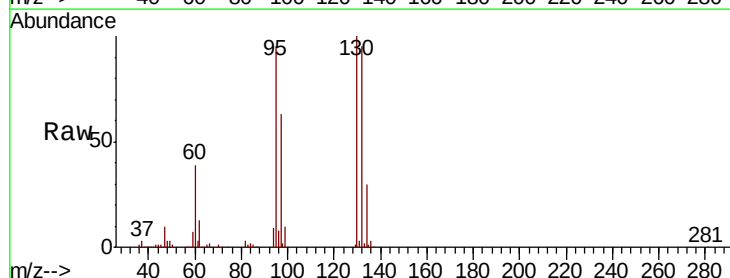
Acq: 18 Dec 2018 15:44

Tgt Ion:130 Resp: 595949

Ion Ratio Lower Upper

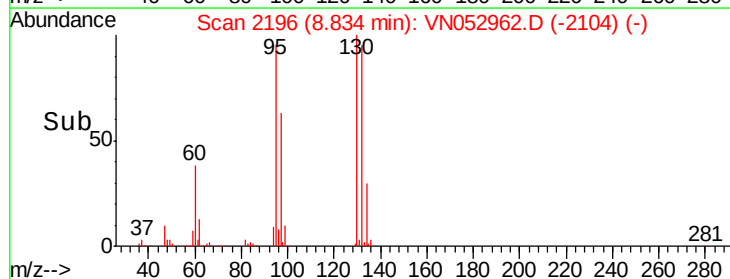
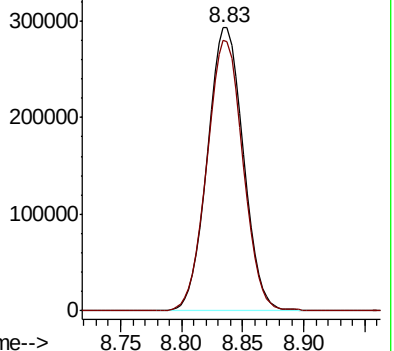
130 100

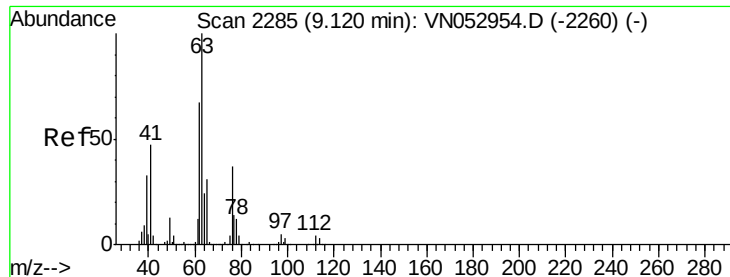
95 95.4 0.0 197.8



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

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

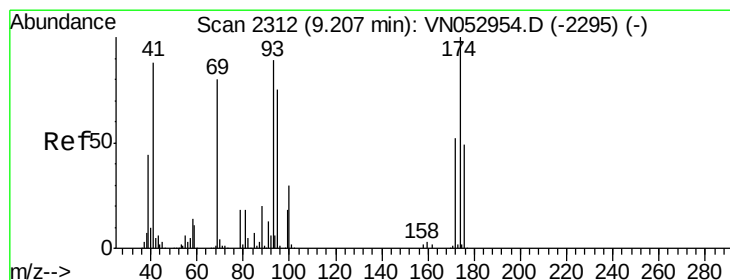
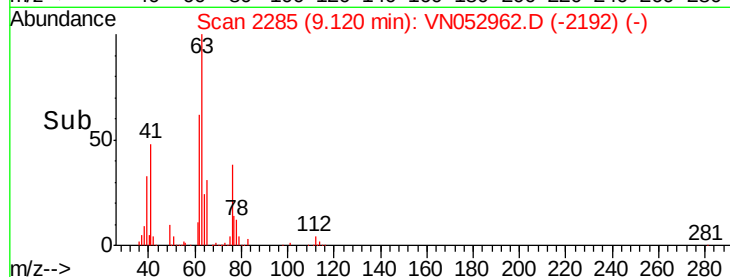
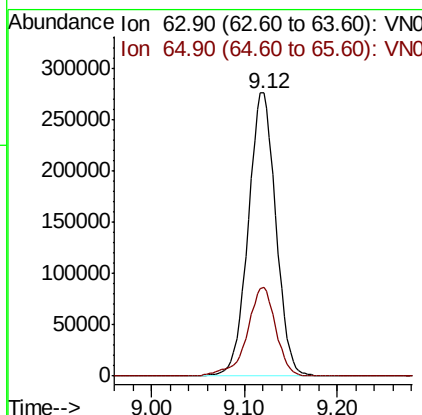
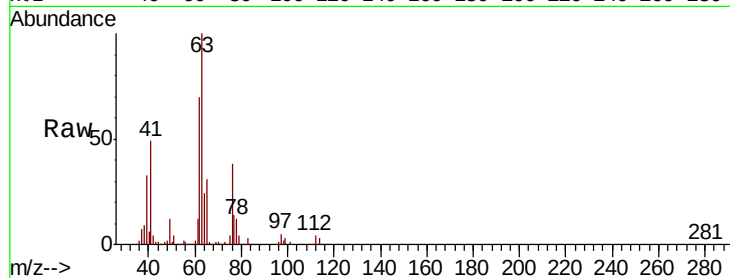




#45
 1,2-Dichloropropane
 Concen: 49.657 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

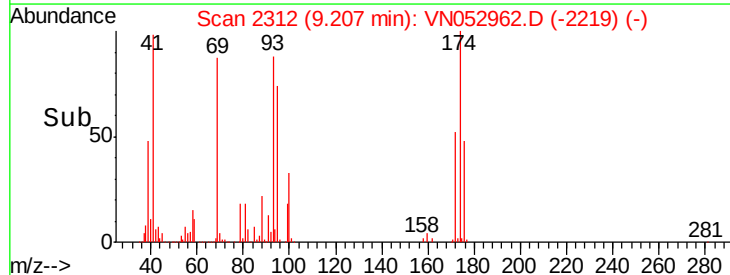
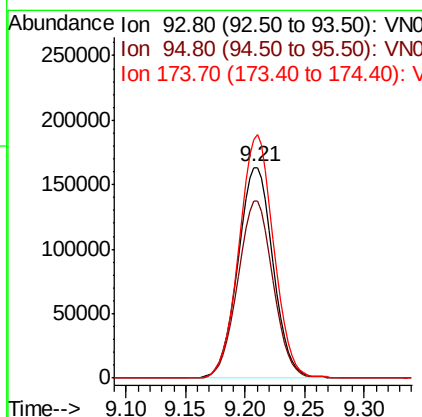
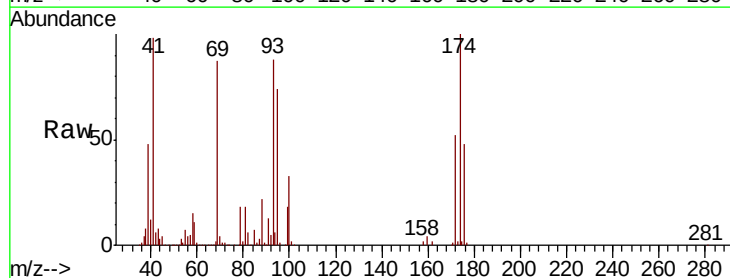
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

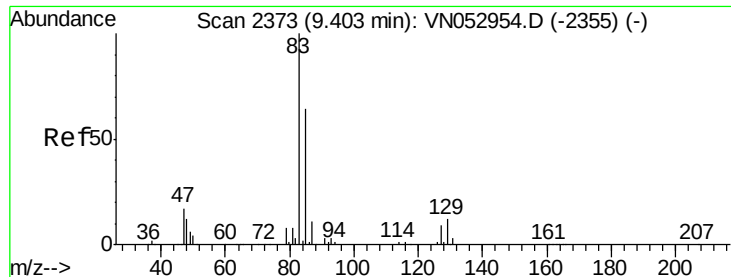
Tot Ion: 63 Resp: 571723
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0



#46
 Dibromomethane
 Concen: 49.802 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion: 93 Resp: 334027
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.8 101.6
 174 114.0 89.0 133.4





#47

Bromodichloromethane

Concen: 49.260 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

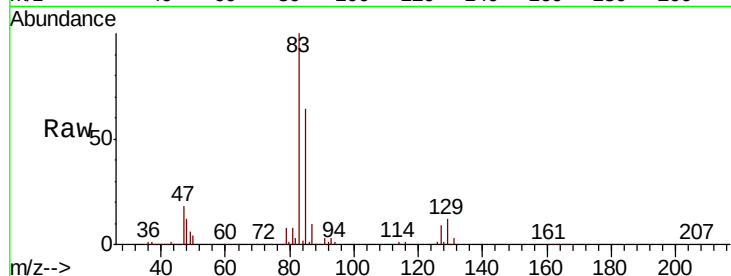
Tot Ion: 83 Resp: 702308

Ion Ratio Lower Upper

83 100

85 64.0 51.6 77.4

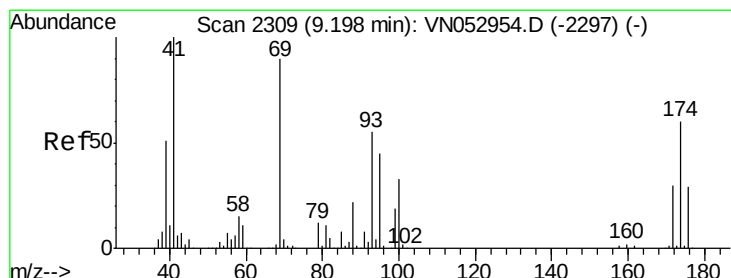
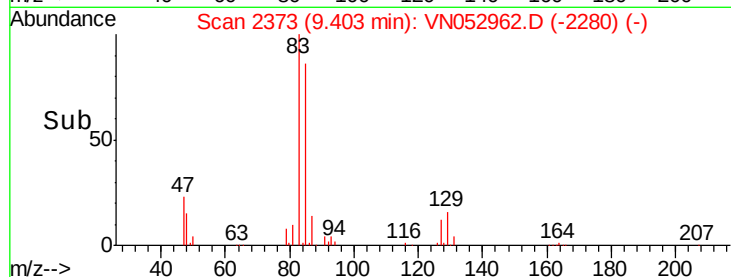
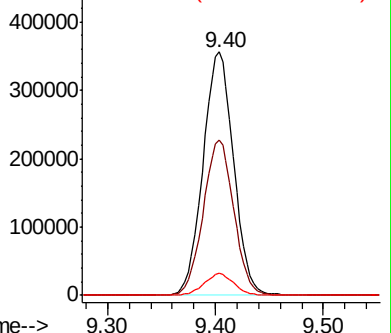
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052962.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052962.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052962.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.213 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

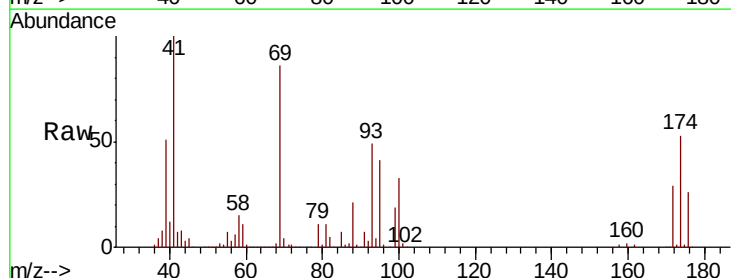
Tgt Ion: 41 Resp: 428367

Ion Ratio Lower Upper

41 100

69 91.9 72.2 108.2

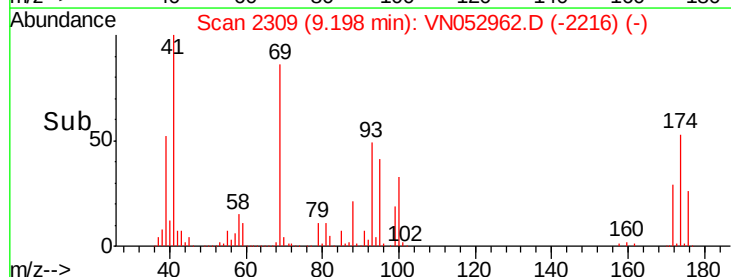
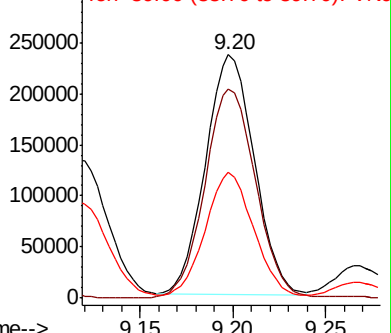
39 52.5 41.9 62.9

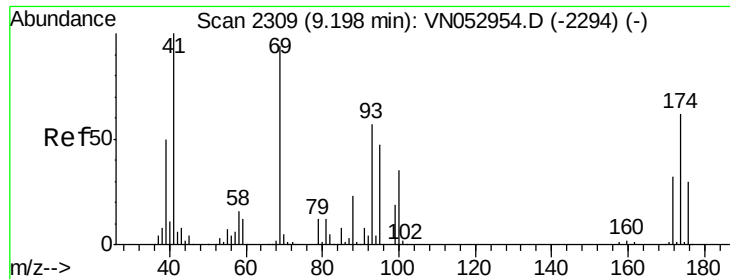


Abundance Ion 41.00 (40.70 to 41.70): VN052962.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052962.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052962.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1022.095 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

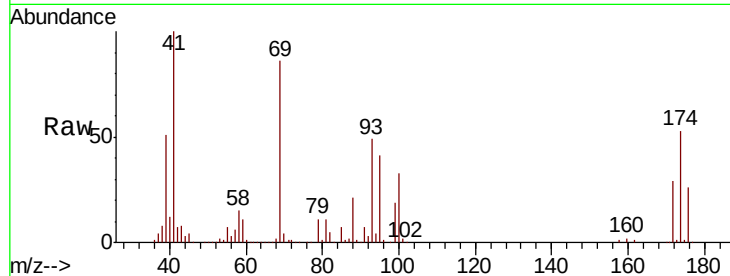
Tot Ion: 88 Resp: 104080

Ion Ratio Lower Upper

88 100

43 32.8 26.6 40.0

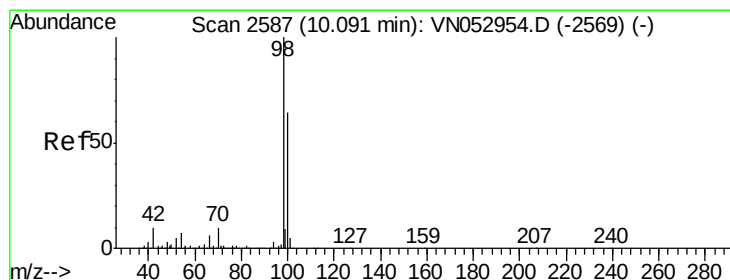
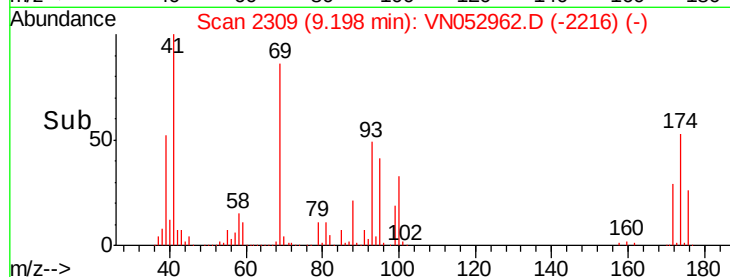
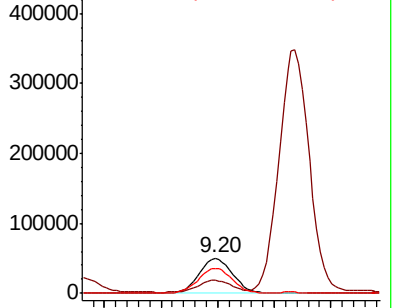
58 71.7 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN052954.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN052954.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2294) (-)



#50

Toluene-d8

Concen: 1022.095 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052962.D

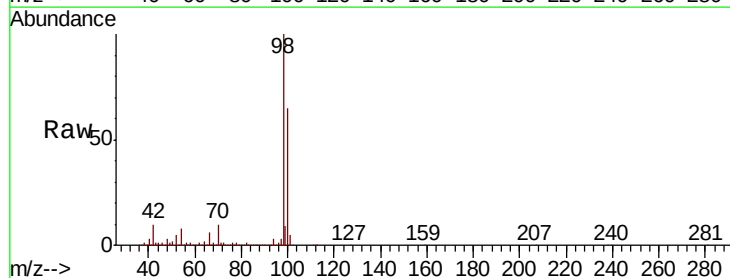
Acq: 18 Dec 2018 15:44

Tgt Ion: 98 Resp: 1819819

Ion Ratio Lower Upper

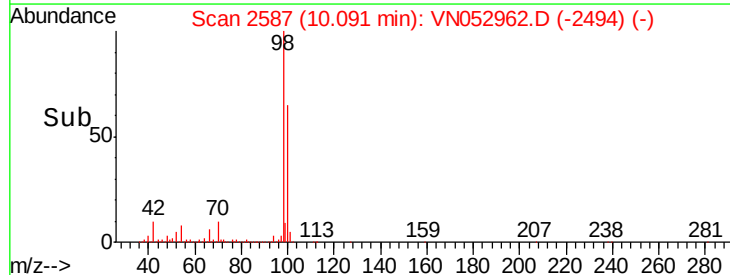
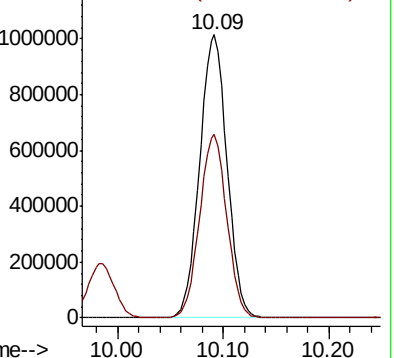
98 100

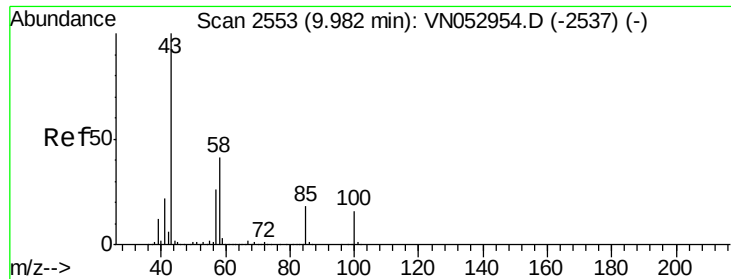
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 273.803 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

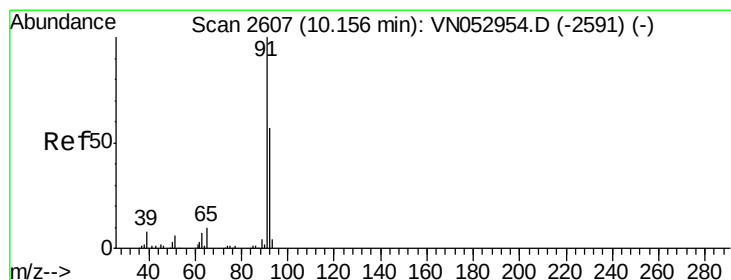
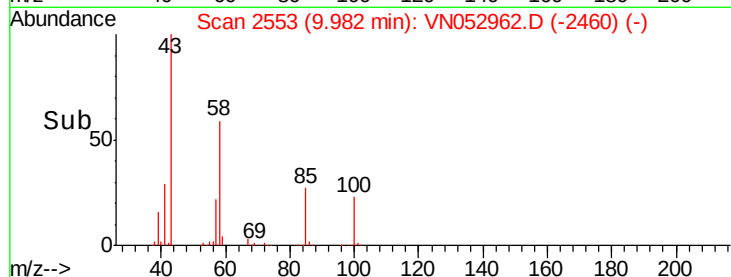
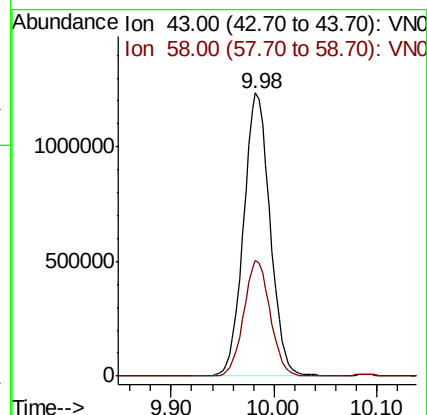
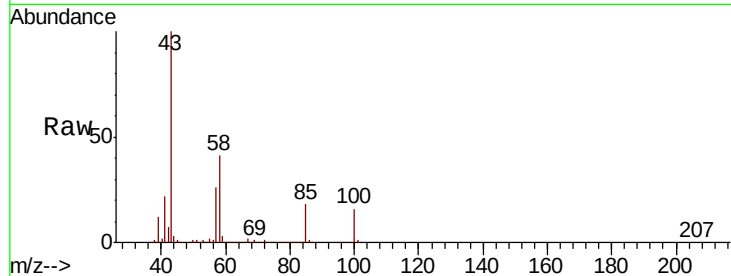
P001-SD012-0612-01MSD

Tot Ion: 43 Resp: 2199713

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



#52

Toluene

Concen: 50.291 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052962.D

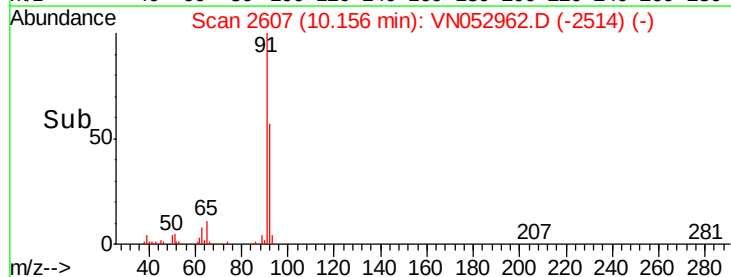
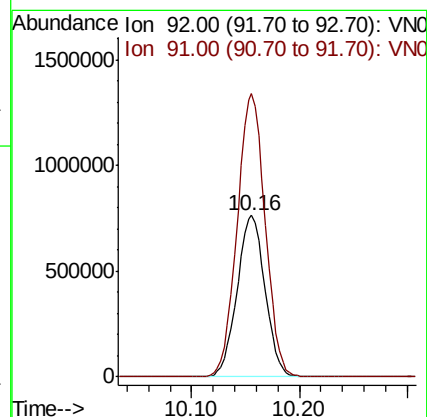
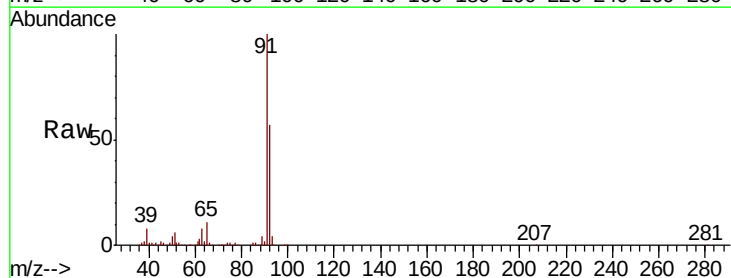
Acq: 18 Dec 2018 15:44

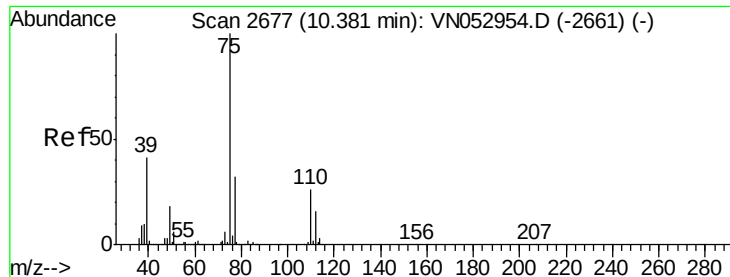
Tgt Ion: 92 Resp: 1377880

Ion Ratio Lower Upper

92 100

91 176.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 45.819 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

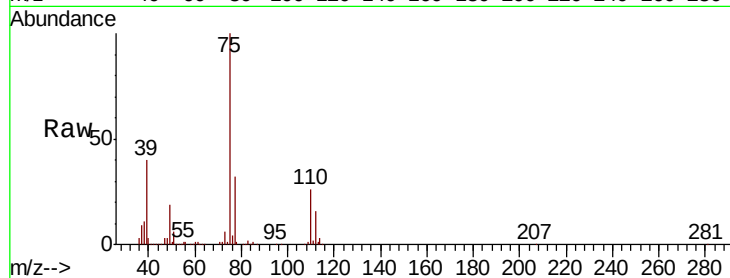
P001-SD012-0612-01MSD

Tot Ion: 75 Resp: 686912

Ion Ratio Lower Upper

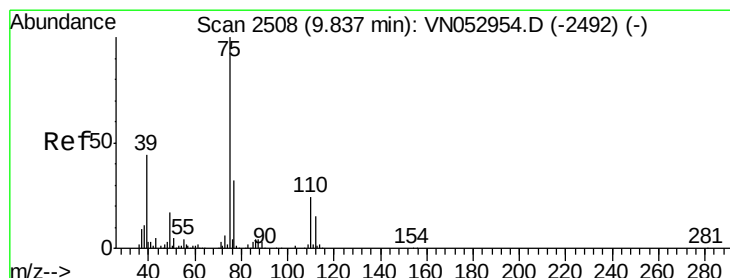
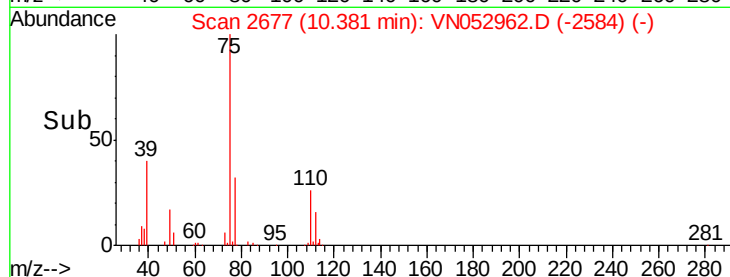
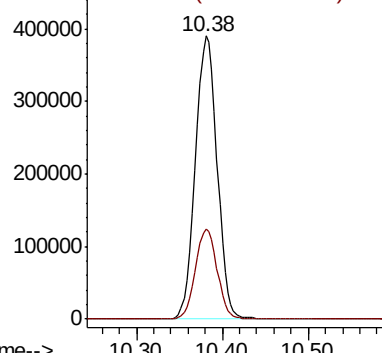
75 100

77 31.8 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 45.855 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

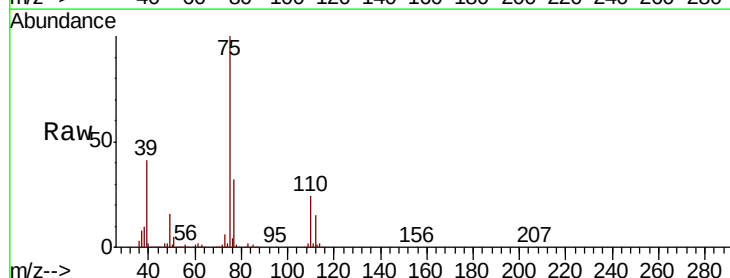
Tgt Ion: 75 Resp: 789090

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

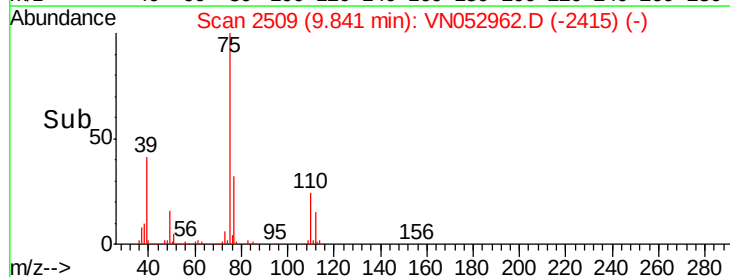
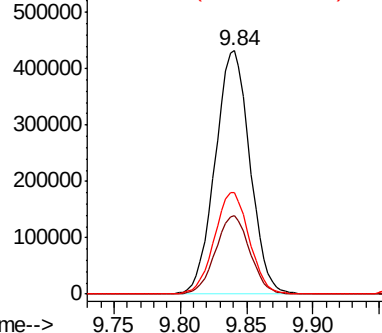
39 41.4 34.8 52.2

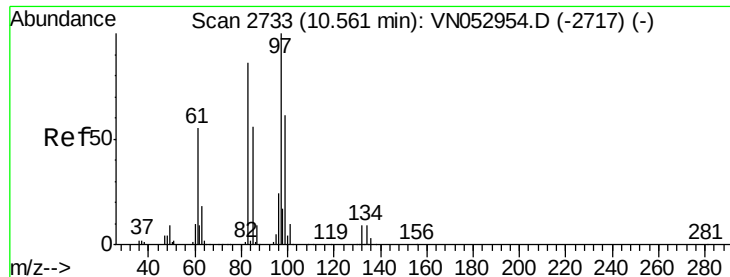


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

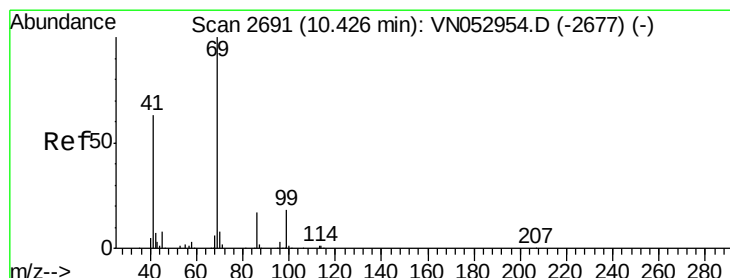
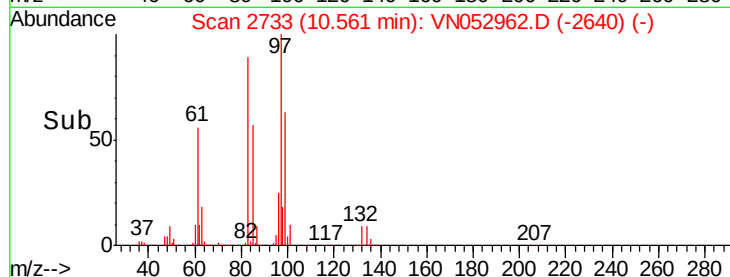
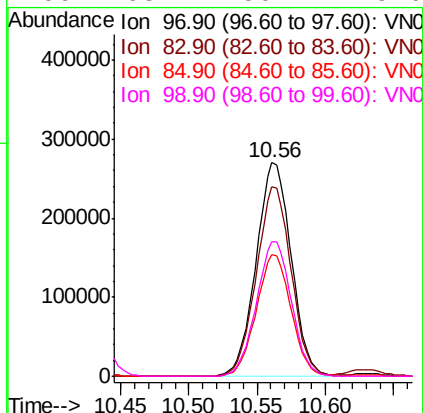
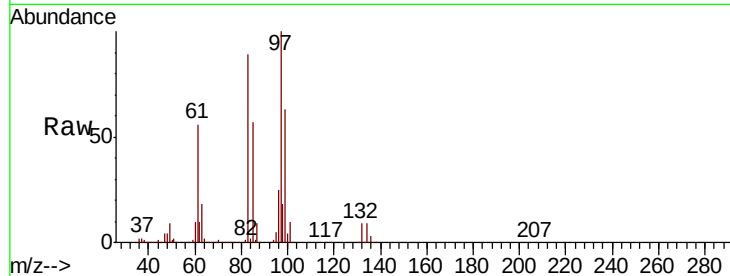




#55
 1,1,2-Trichloroethane
 Concen: 50.576 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

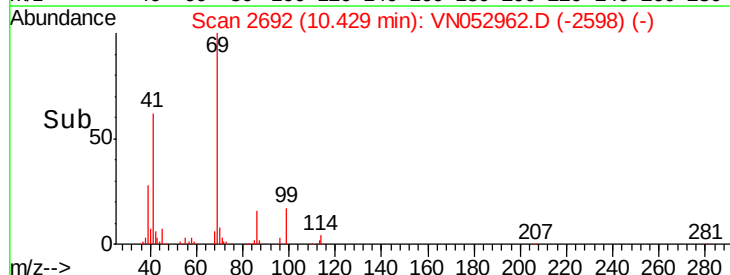
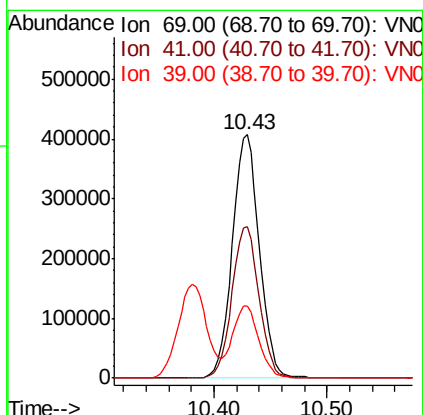
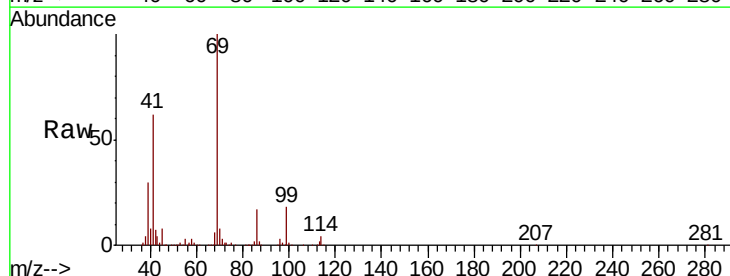
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

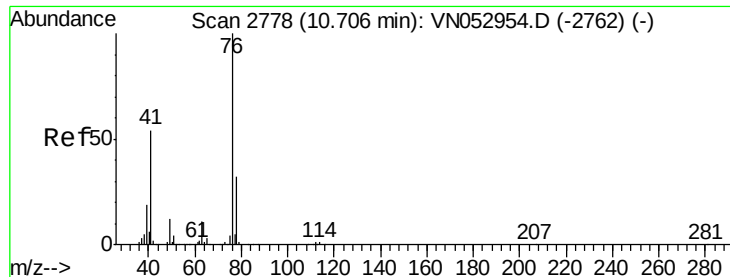
Tot Ion:	97	Resp:	483421
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.9	106.3
85	57.1	45.4	68.2
99	63.2	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 53.312 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion:	69	Resp:	674467
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	28.8	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.312 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

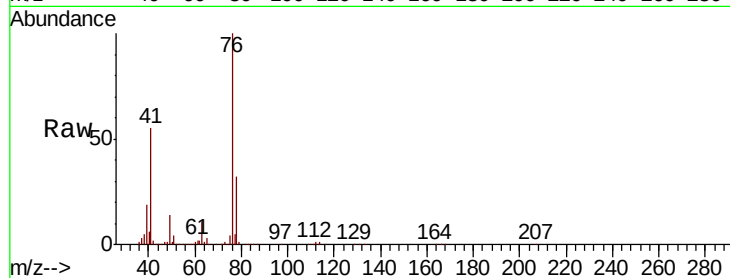
P001-SD012-0612-01MSD

Tot Ion: 76 Resp: 824643

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

500000

400000

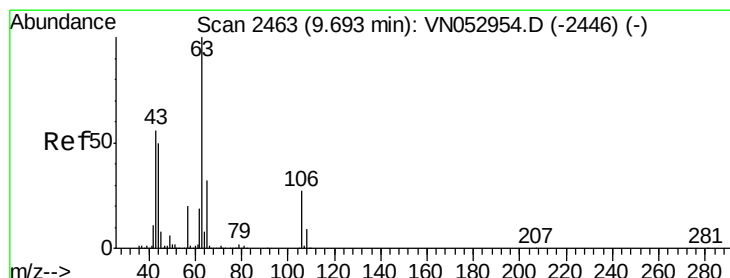
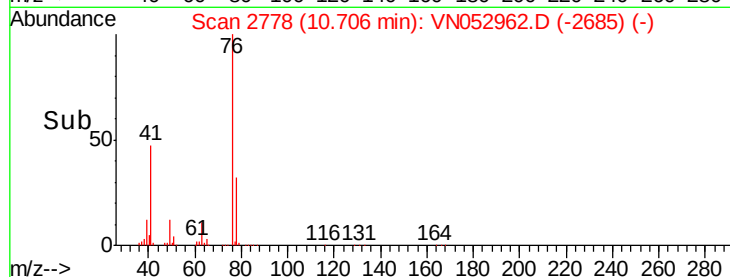
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 264.111 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN052962.D

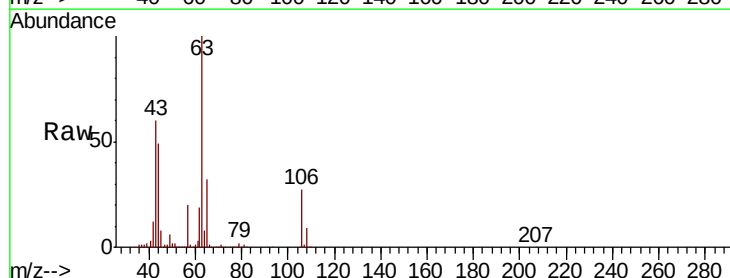
Acq: 18 Dec 2018 15:44

Tgt Ion: 63 Resp: 1834385

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.69

1200000

1000000

800000

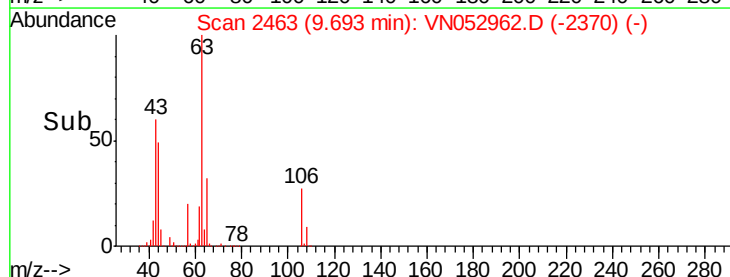
600000

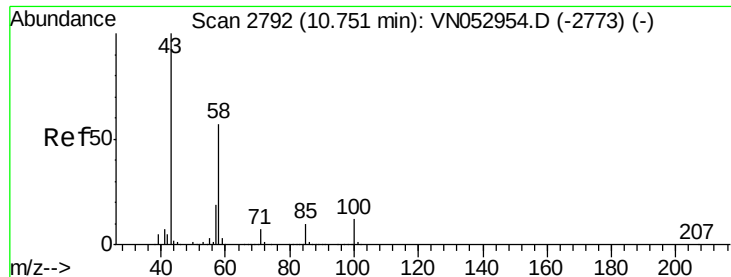
400000

200000

0

Time--> 9.60 9.70 9.80

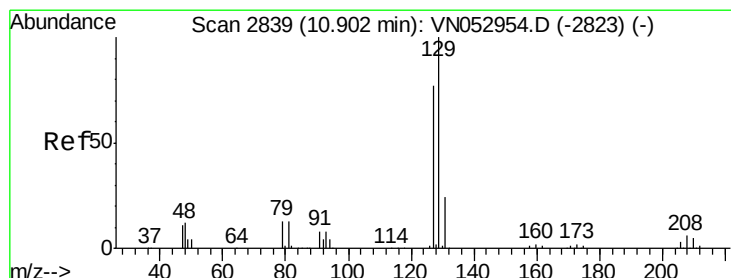
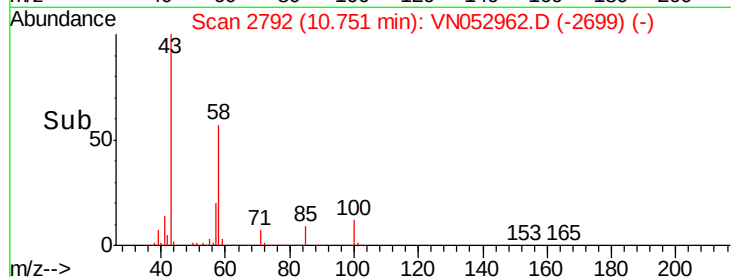
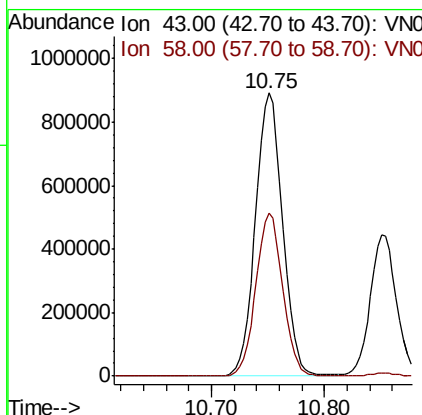
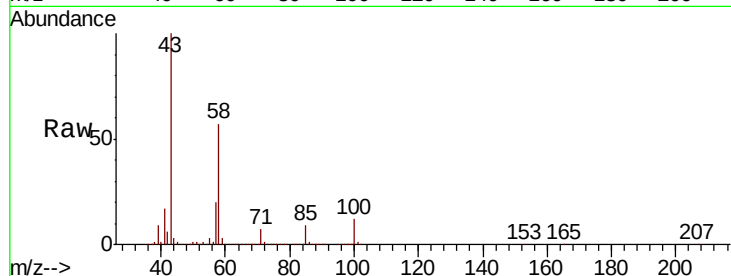




#59
2-Hexanone
Concen: 273.241 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

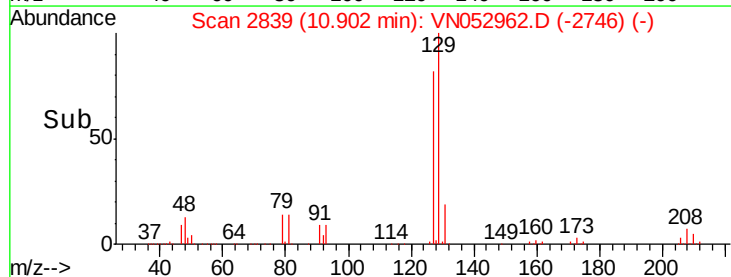
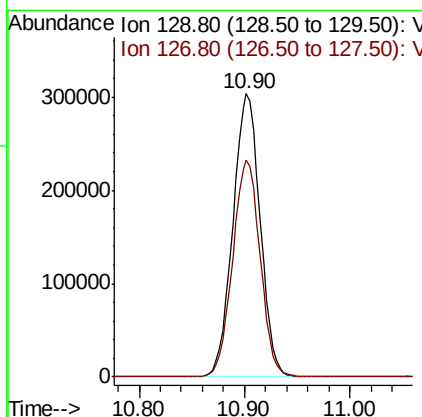
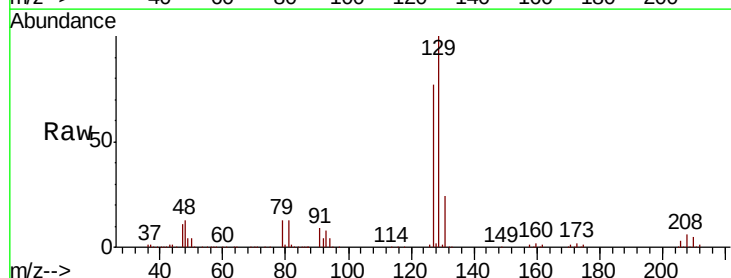
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

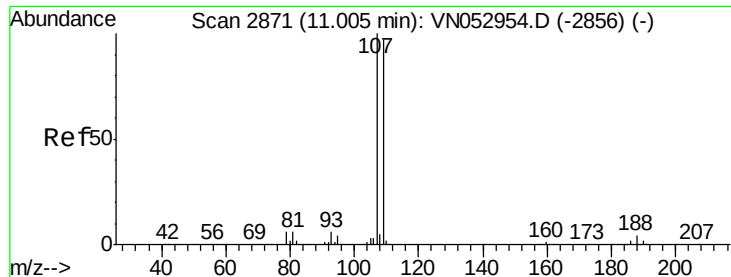
Tot Ion: 43 Resp: 1485233
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 49.547 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 129 Resp: 542104
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.613 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

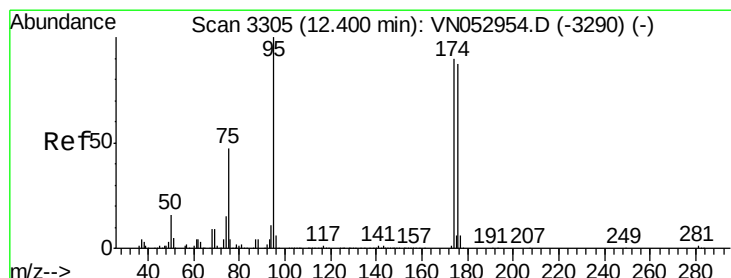
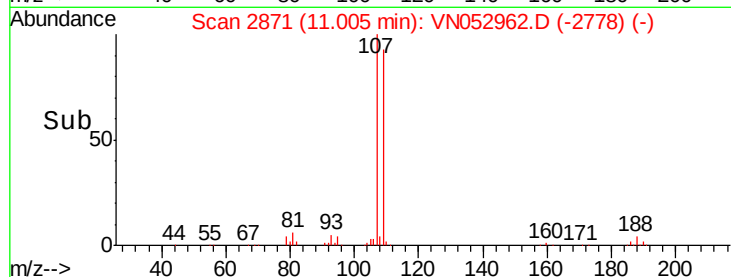
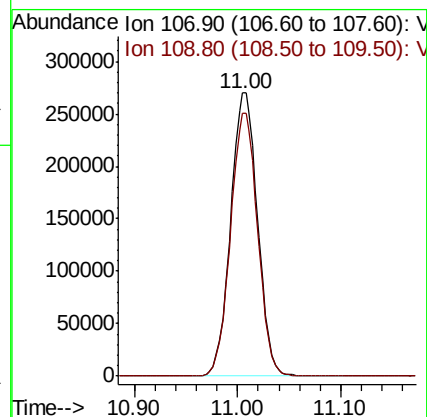
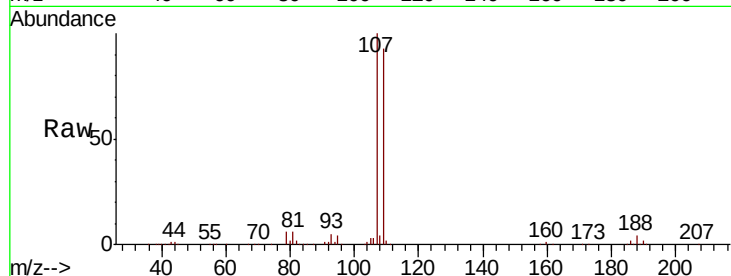
P001-SD012-0612-01MSD

Tot Ion:107 Resp: 491318

Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 50.613 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

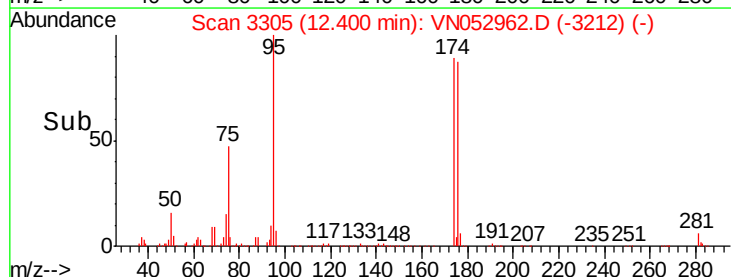
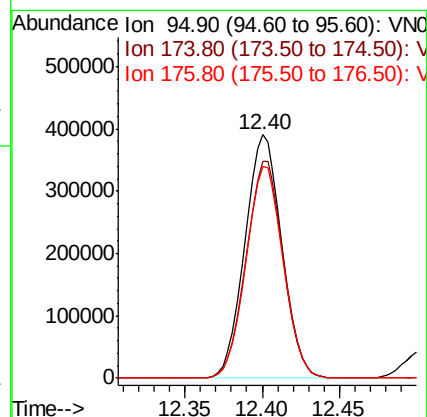
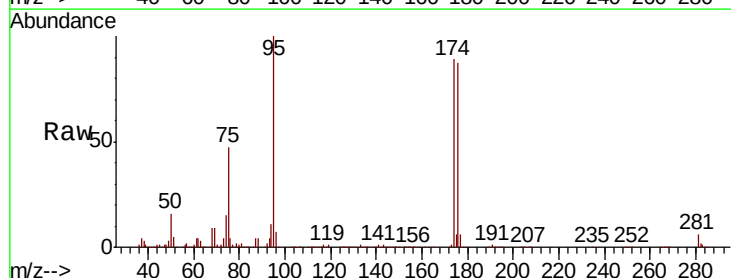
Tgt Ion: 95 Resp: 645412

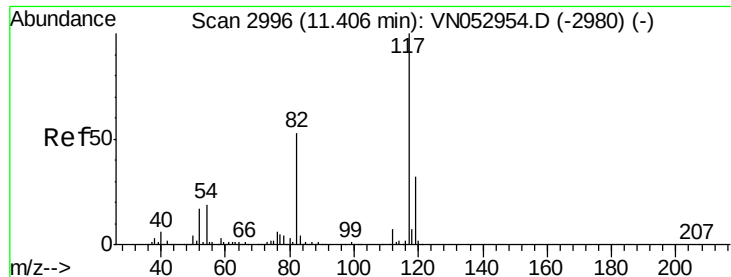
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 87.7 0.0 173.8

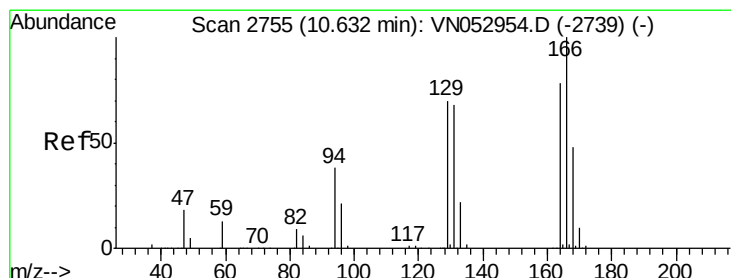
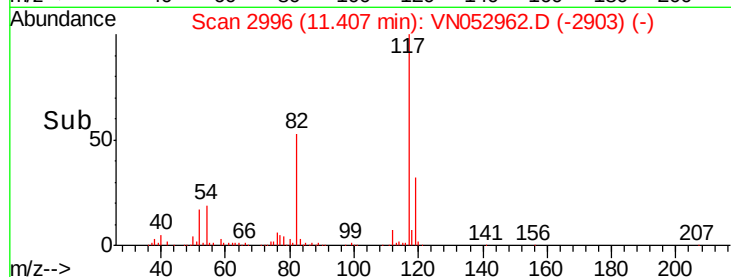
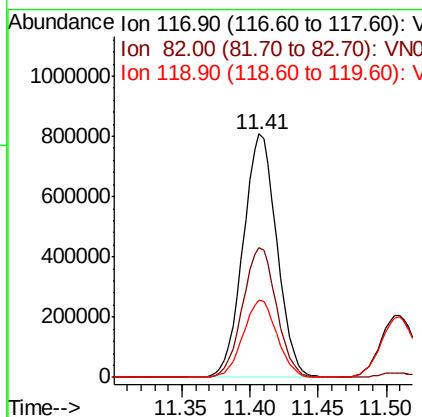
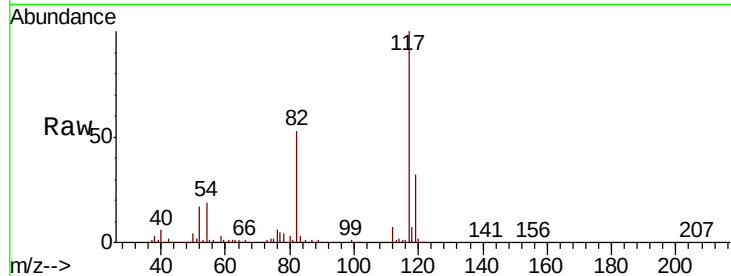




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

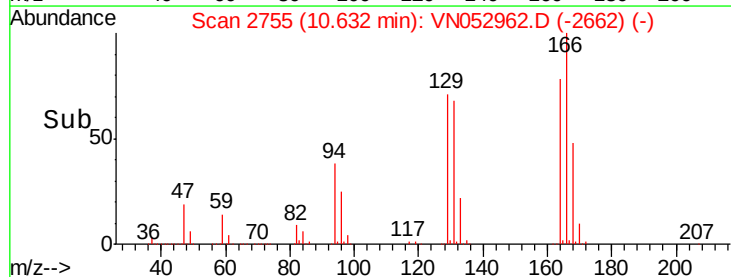
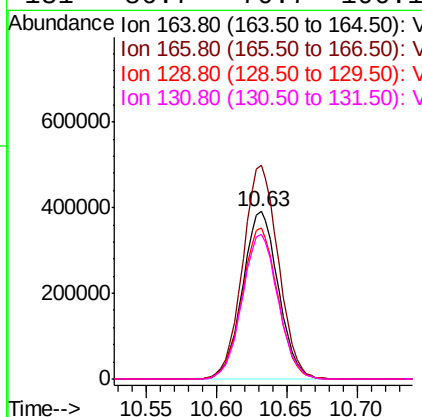
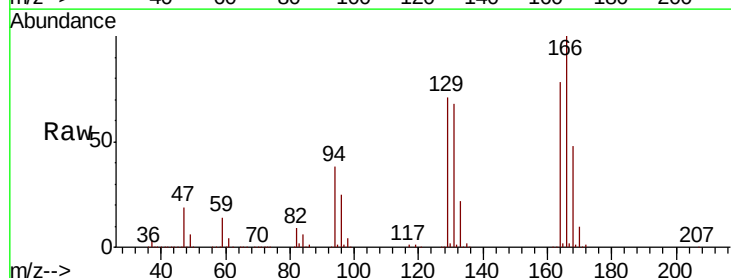
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

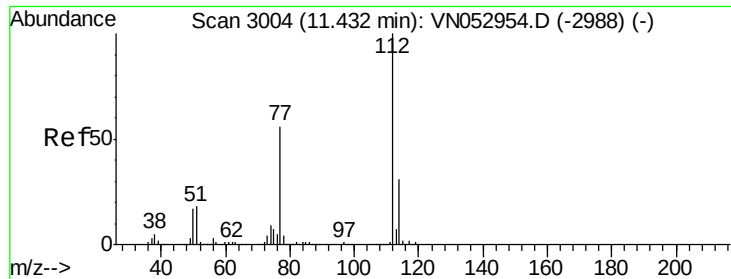
Tot Ion:117 Resp: 1383998
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 46.146 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion:164 Resp: 691815
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 90.2 73.7 110.5
131 86.7 70.7 106.1





#65

Chlorobenzene

Concen: 50.231 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

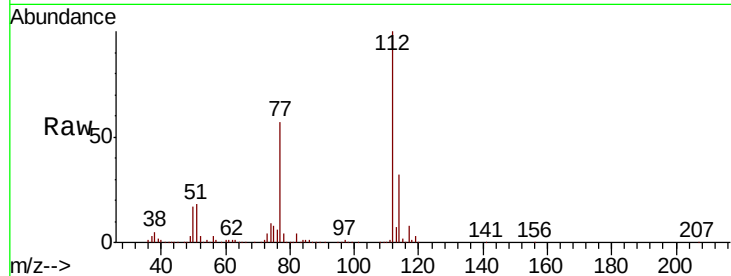
P001-SD012-0612-01MSD

Tot Ion:112 Resp: 1541048

Ion Ratio Lower Upper

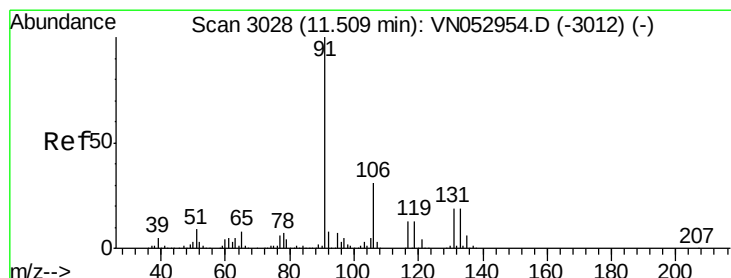
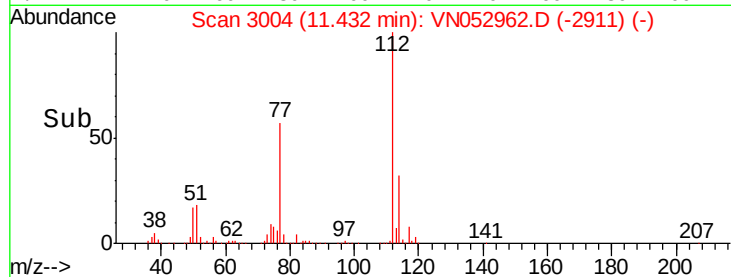
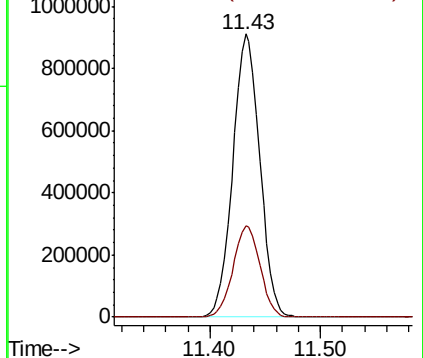
112 100

114 32.2 25.5 38.3



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: 48.919 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

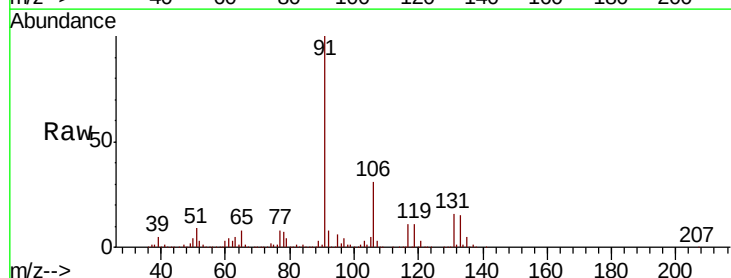
Tgt Ion:131 Resp: 521895

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.9

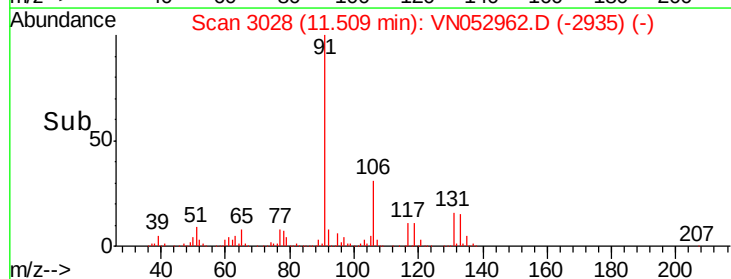
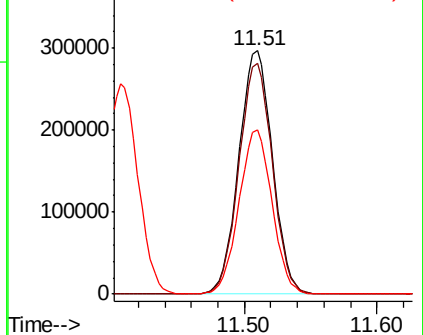
119 66.6 33.3 99.8

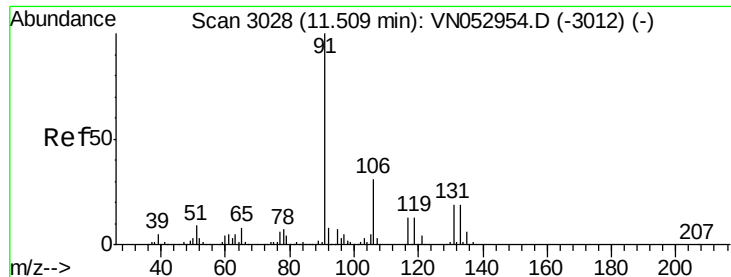


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

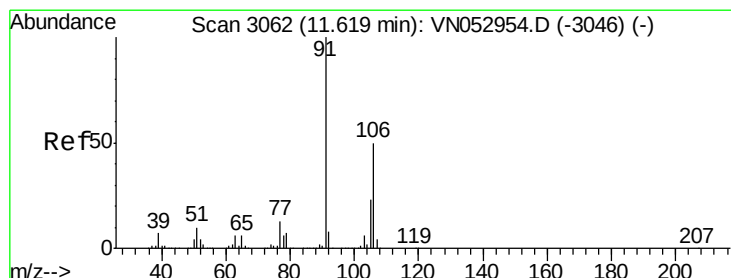
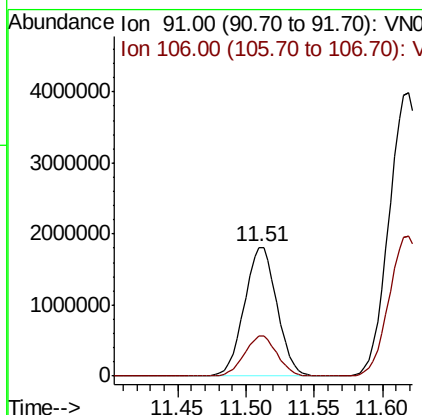
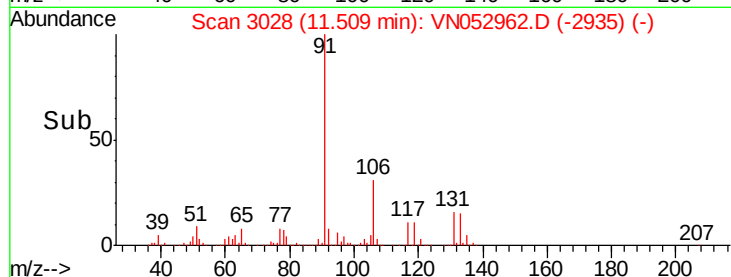
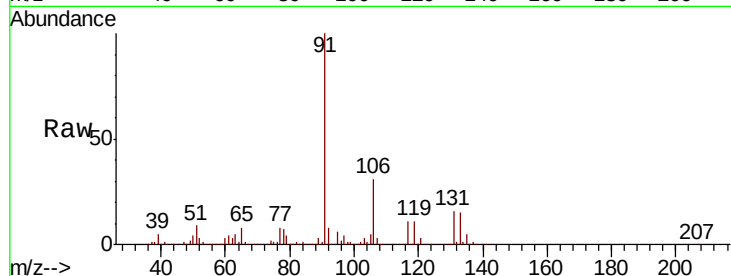




#67
Ethyl Benzene
Concen: 57.081 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

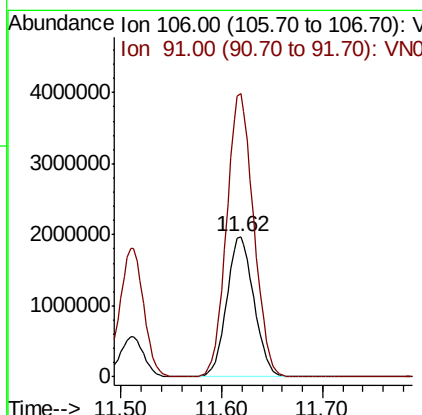
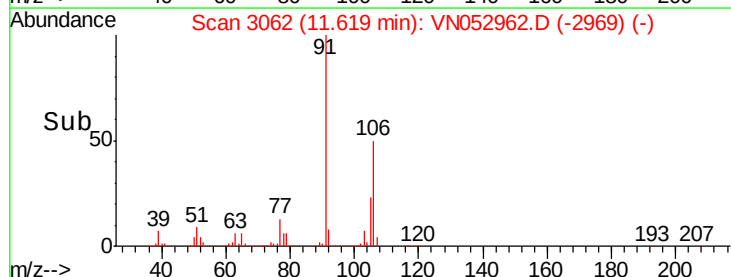
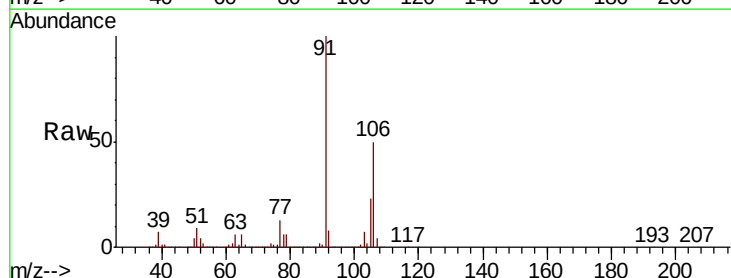
Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

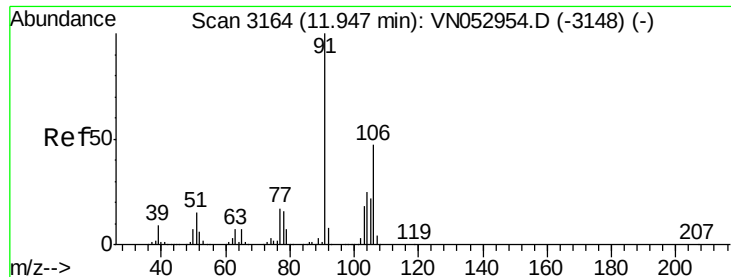
Tot Ion: 91 Resp: 3011622
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 184.342 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion: 106 Resp: 3697381
Ion Ratio Lower Upper
106 100
91 201.2 162.2 243.4





#69

o-Xylene

Concen: 71.027 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

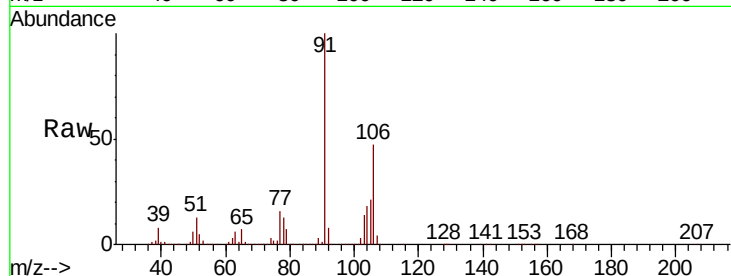
P001-SD012-0612-01MSD

Tot Ion:106 Resp: 1367033

Ion Ratio Lower Upper

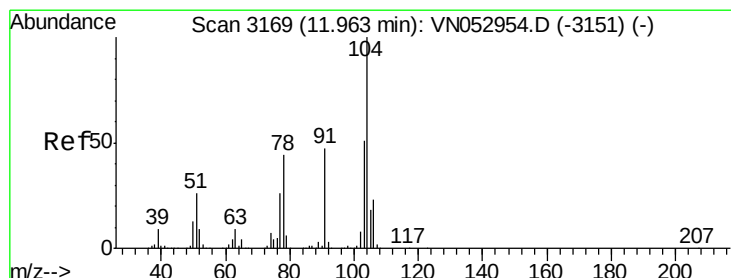
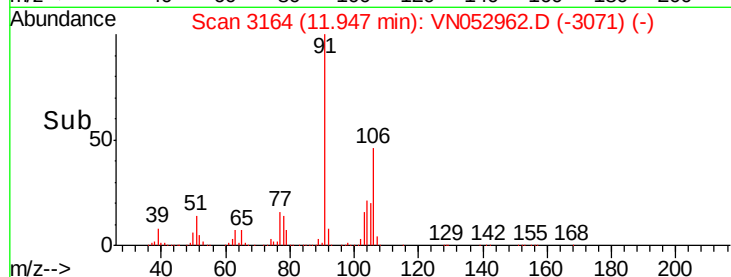
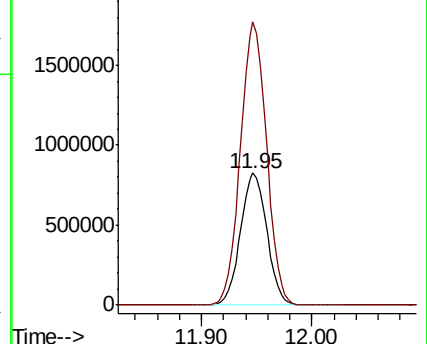
106 100

91 212.7 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 50.033 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

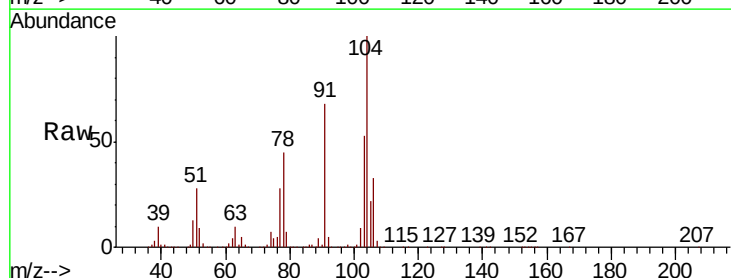
Tgt Ion:104 Resp: 1570223

Ion Ratio Lower Upper

104 100

78 51.0 38.9 58.3

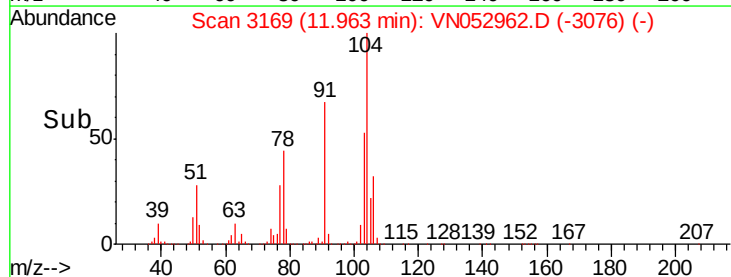
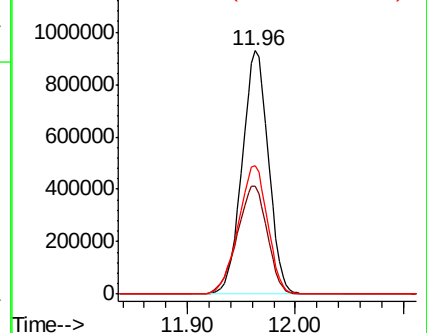
103 59.0 44.3 66.5

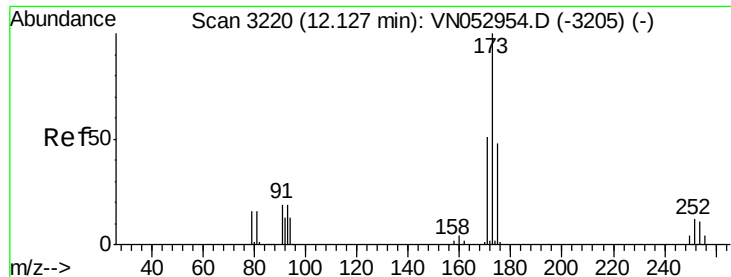


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.590 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

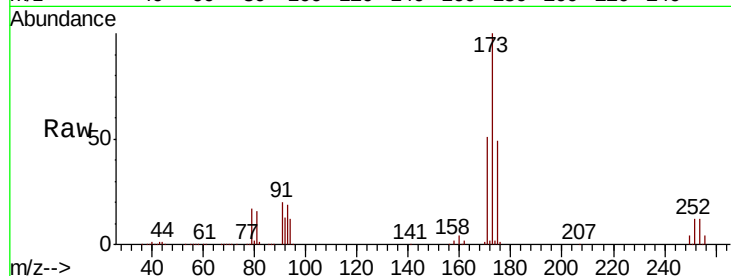
Tot Ion:173 Resp: 382198

Ion Ratio Lower Upper

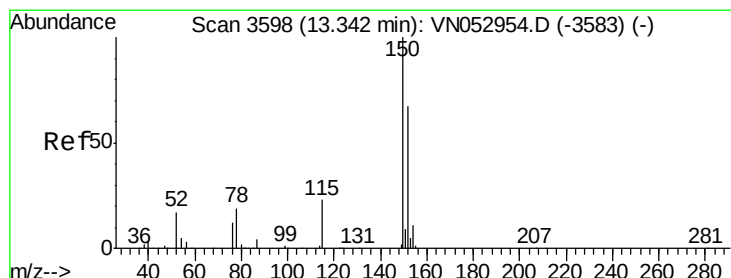
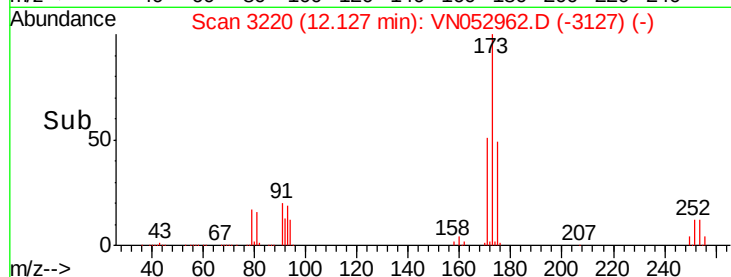
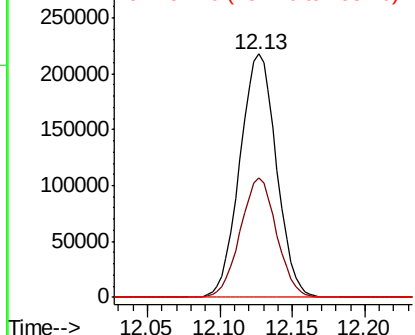
173 100

175 48.5 24.3 72.9

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

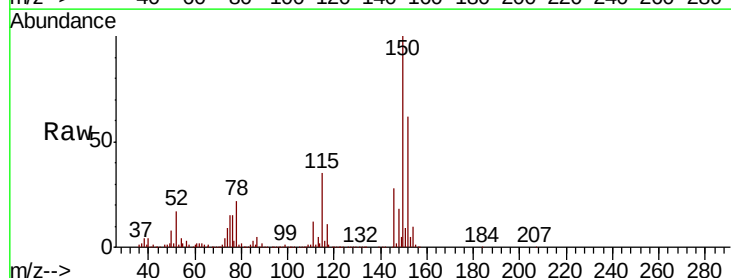
Tgt Ion:152 Resp: 670702

Ion Ratio Lower Upper

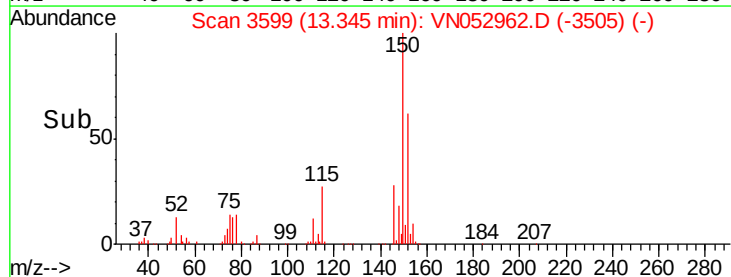
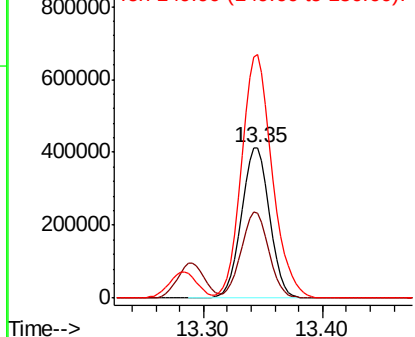
152 100

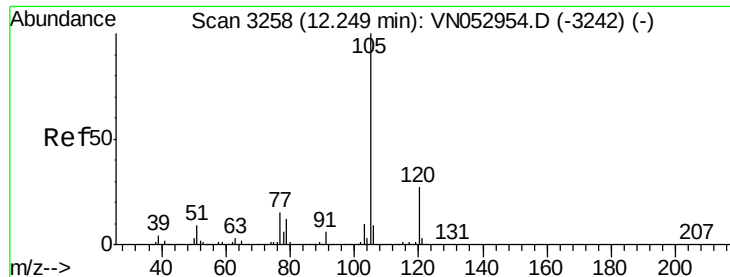
115 56.8 28.3 85.0

150 177.1 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: 47.060 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

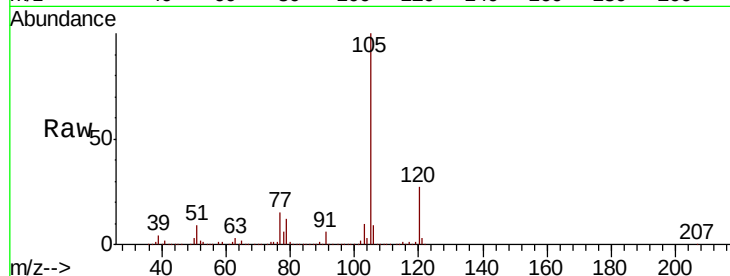
P001-SD012-0612-01MSD

Tot Ion:105 Resp: 2469562

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1500000

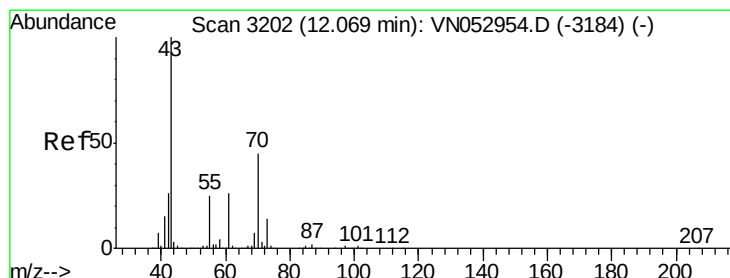
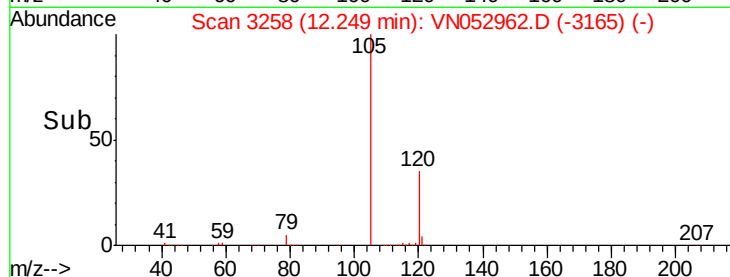
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 52.313 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Tgt Ion: 43 Resp: 762168

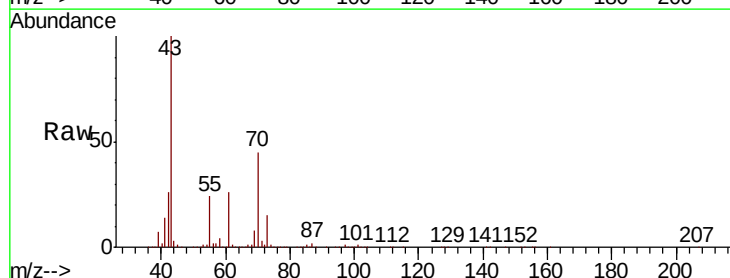
Ion Ratio Lower Upper

43 100

70 44.6 34.2 51.4

55 24.5 20.3 30.5

61 25.6 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

12.07

600000

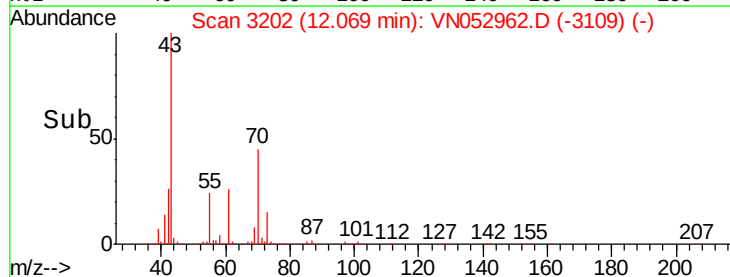
400000

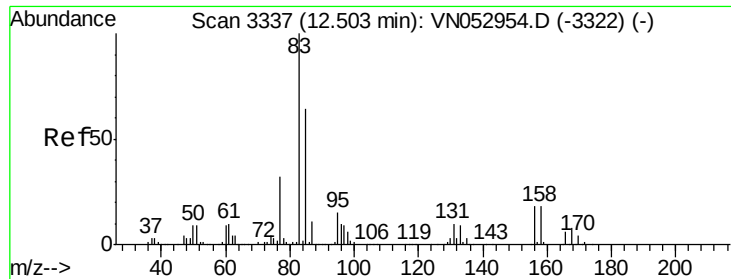
200000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.833 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

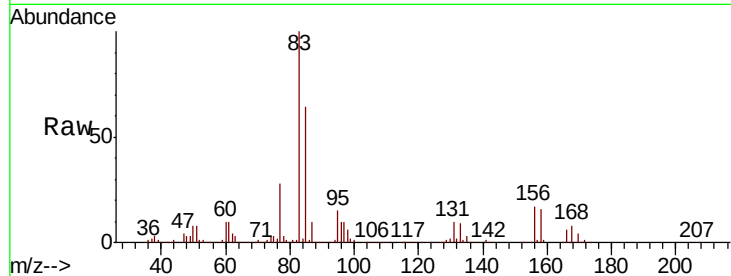
Tot Ion: 83 Resp: 533628

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

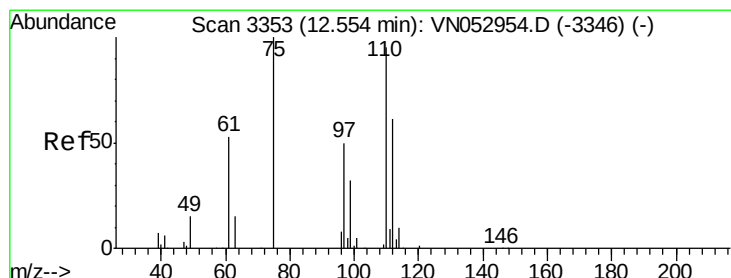
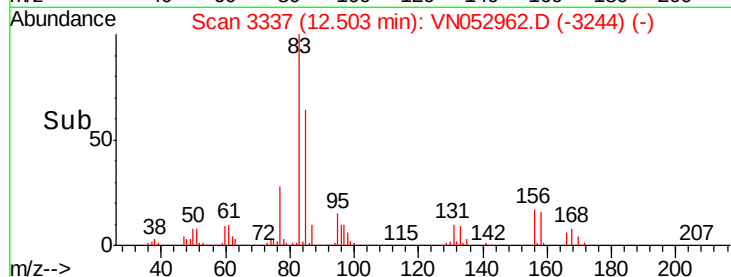
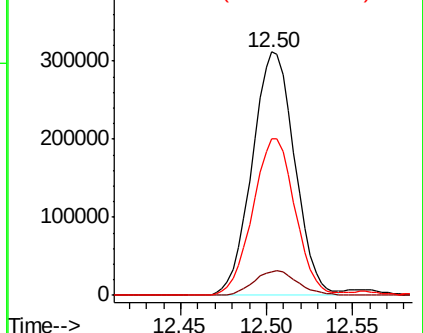
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052962.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052962.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052962.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 64.176 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052962.D

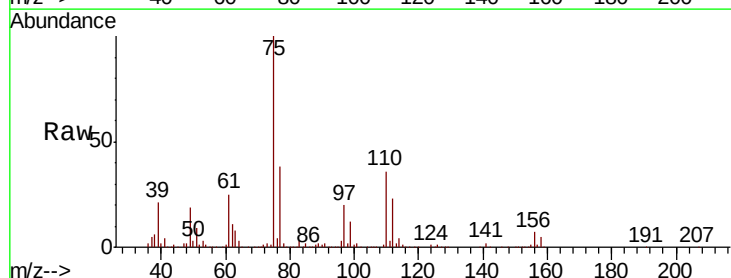
Acq: 18 Dec 2018 15:44

Tgt Ion: 75 Resp: 724583

Ion Ratio Lower Upper

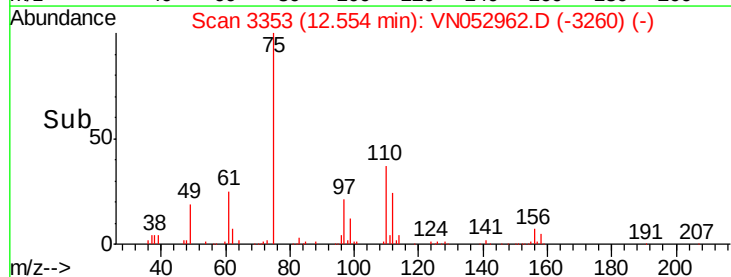
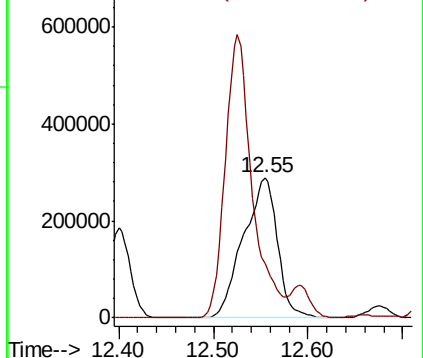
75 100

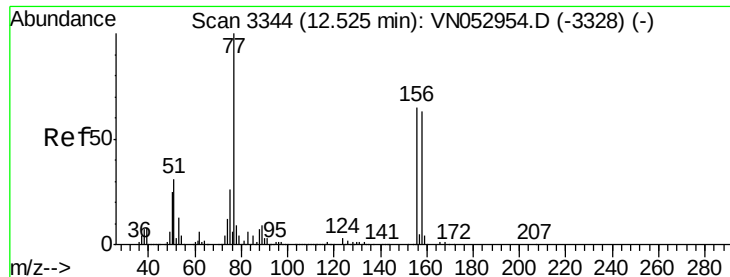
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052962.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052962.D (-3260) (-)





#77

Bromobenzene

Concen: 50.287 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

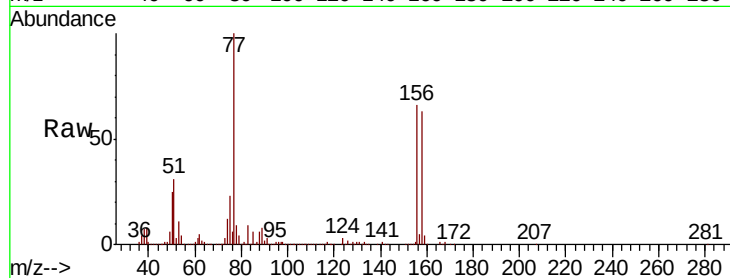
Tot Ion:156 Resp: 685957

Ion Ratio Lower Upper

156 100

77 168.8 91.3 273.8

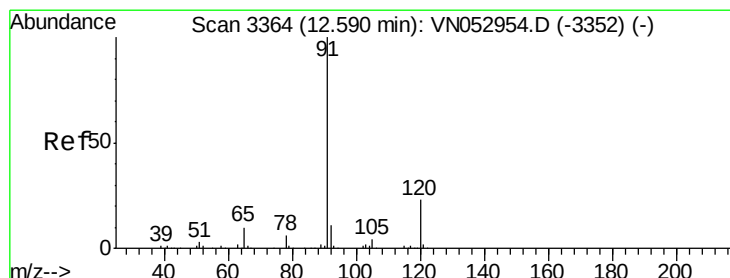
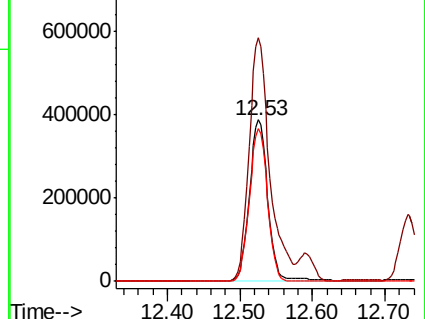
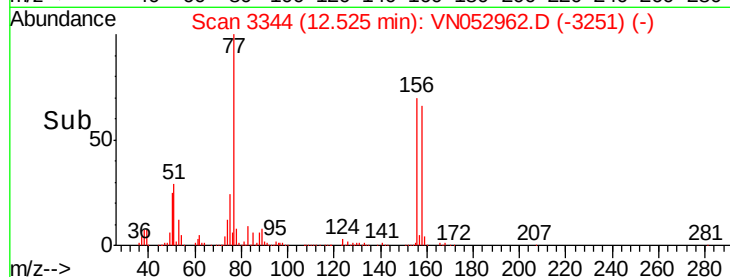
158 91.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.013 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052962.D

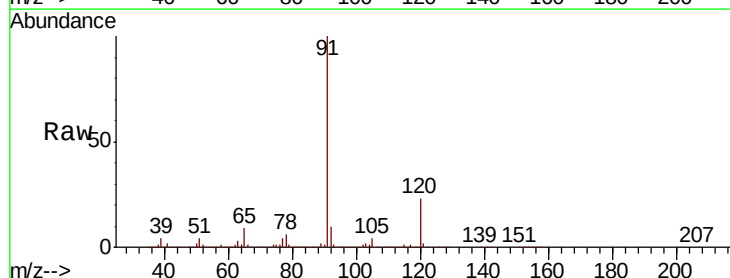
Acq: 18 Dec 2018 15:44

Tgt Ion: 91 Resp: 2809757

Ion Ratio Lower Upper

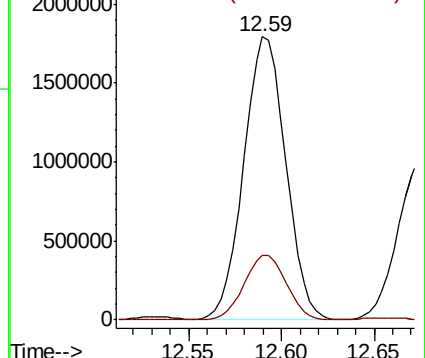
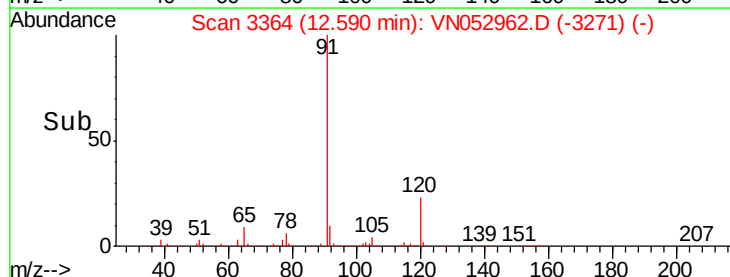
91 100

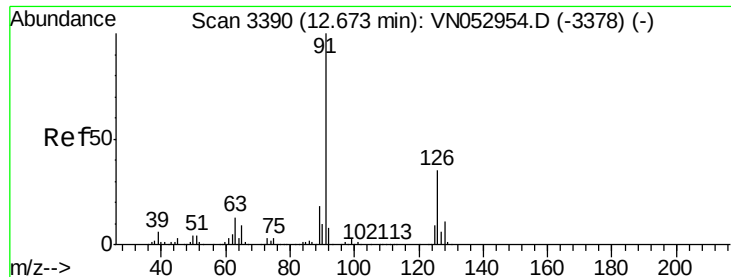
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.670 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

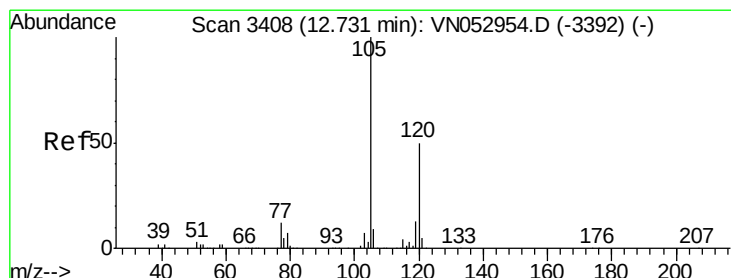
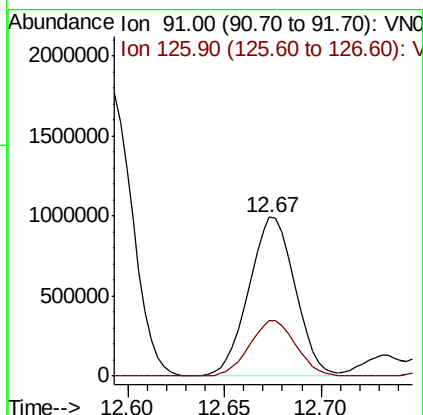
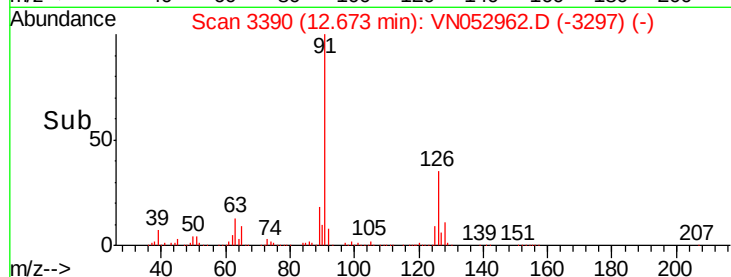
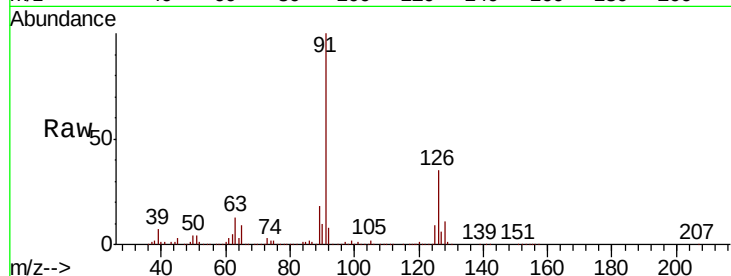
P001-SD012-0612-01MSD

Tot Ion: 91 Resp: 1654837

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 47.795 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052962.D

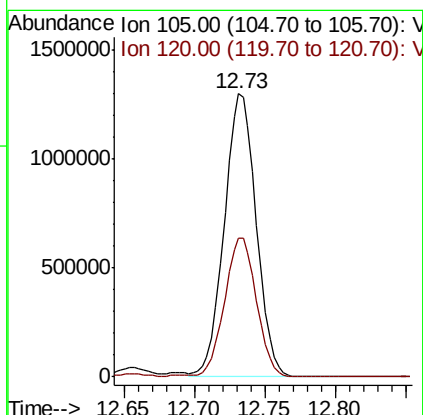
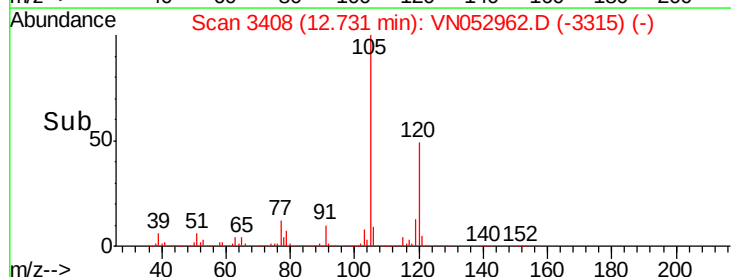
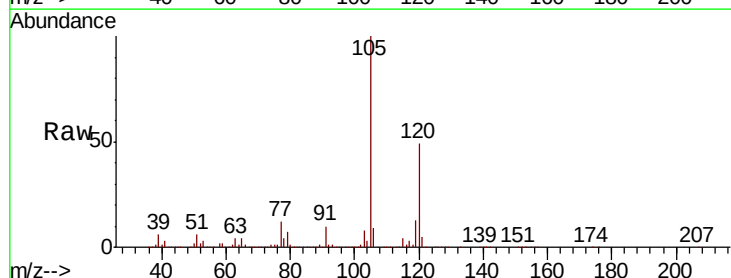
Acq: 18 Dec 2018 15:44

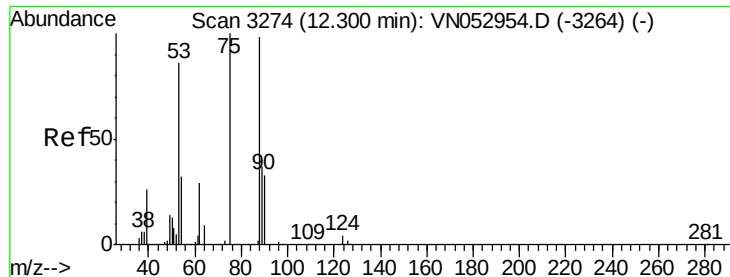
Tgt Ion: 105 Resp: 2044337

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.315 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

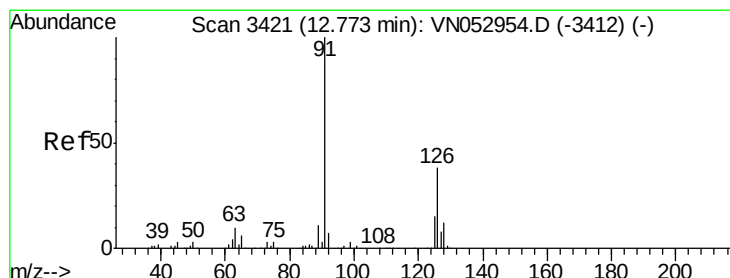
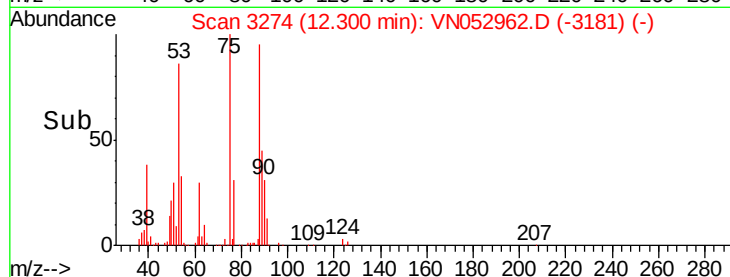
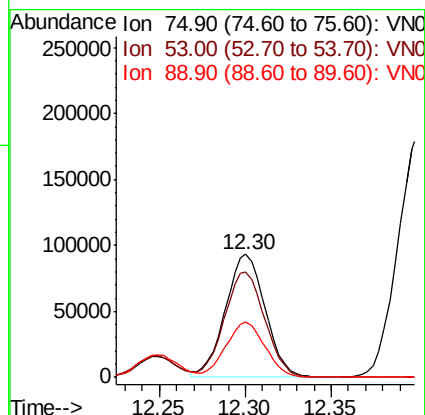
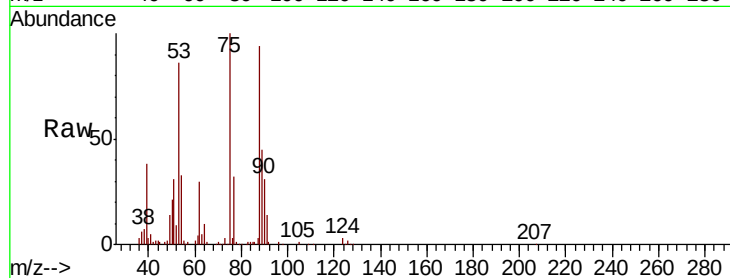
Tot Ion: 75 Resp: 151732

Ion Ratio Lower Upper

75 100

53 87.2 74.7 112.1

89 44.2 36.1 54.1



#82

4-Chlorotoluene

Concen: 46.692 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052962.D

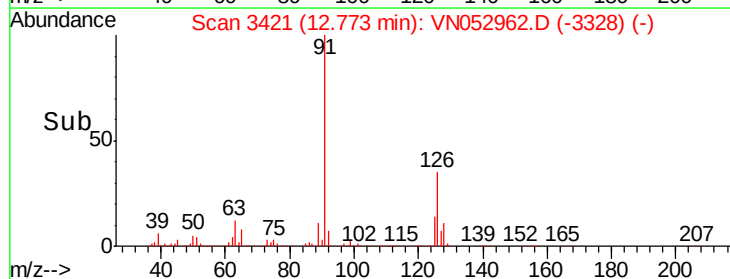
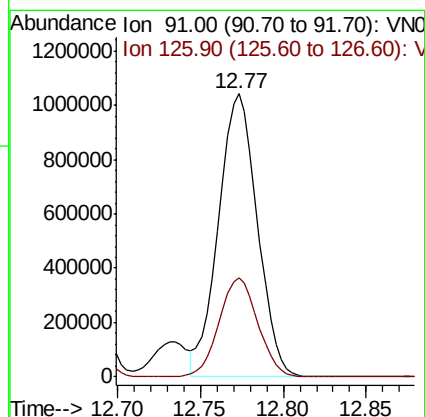
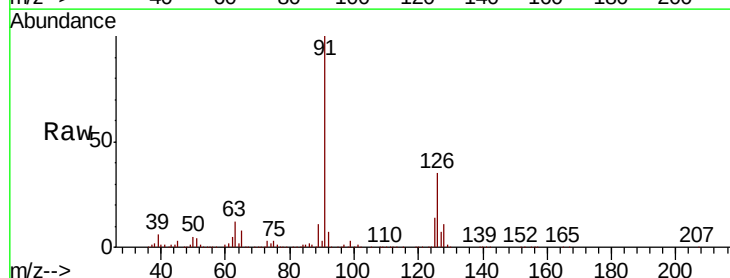
Acq: 18 Dec 2018 15:44

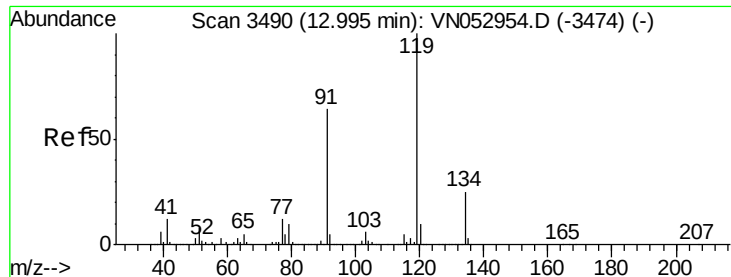
Tgt Ion: 91 Resp: 1693246

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

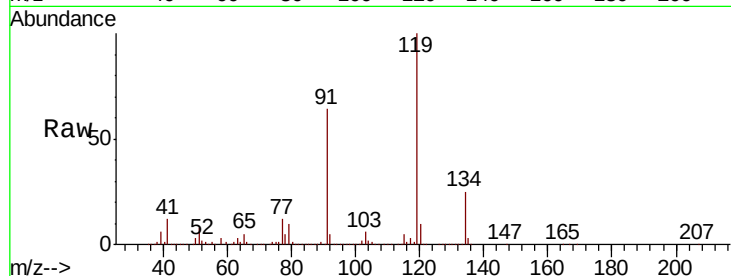




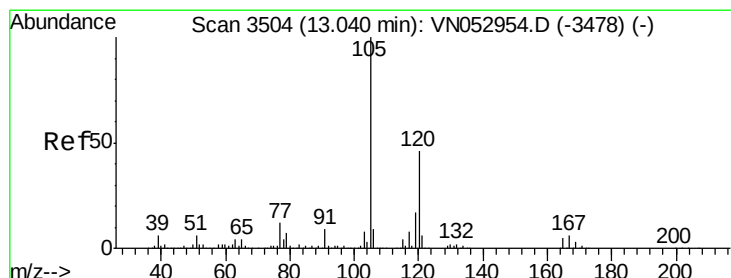
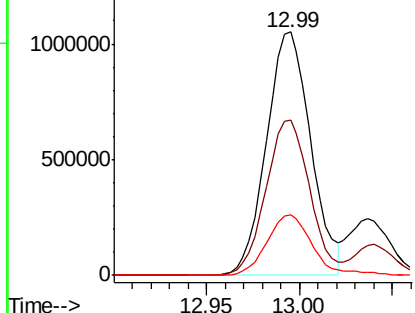
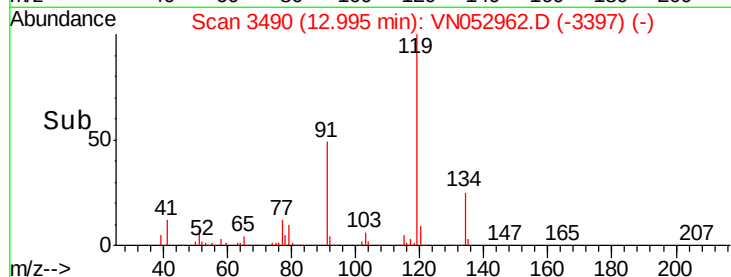
#83
 tert-Butylbenzene
 Concen: 46.321 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

Tot Ion:119 Resp: 1752261
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 25.6 12.8 38.4

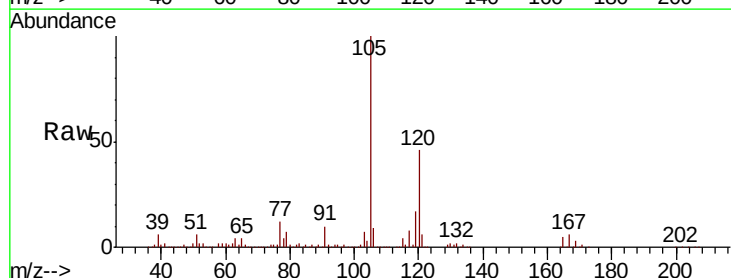


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

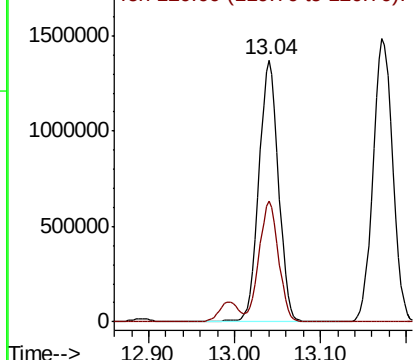
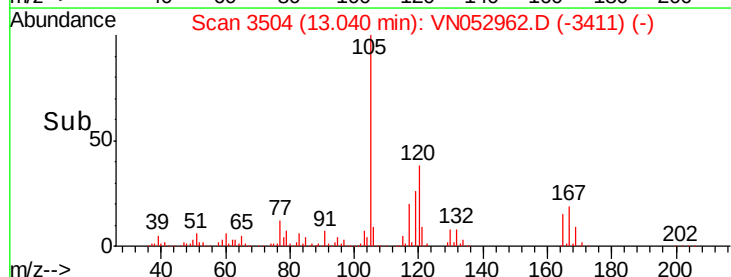


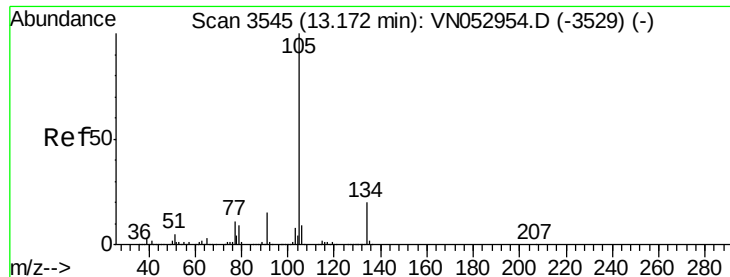
#84
 1,2,4-Trimethylbenzene
 Concen: 50.611 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion:105 Resp: 2176234
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.210 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

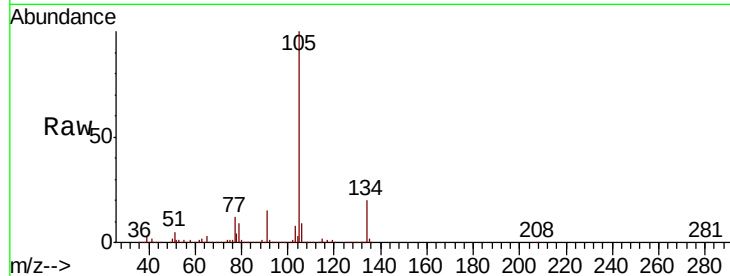
P001-SD012-0612-01MSD

Tot Ion:105 Resp: 2364431

Ion Ratio Lower Upper

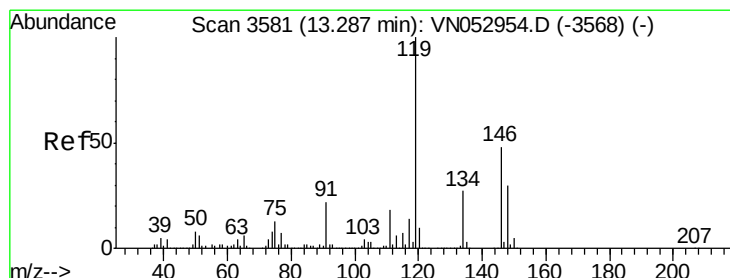
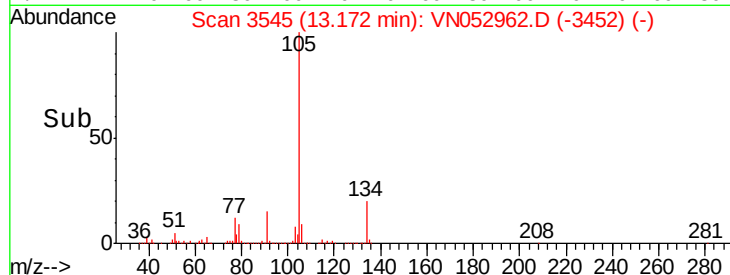
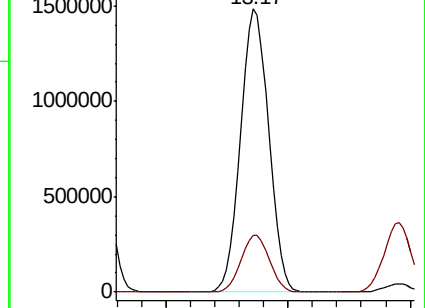
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.910 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

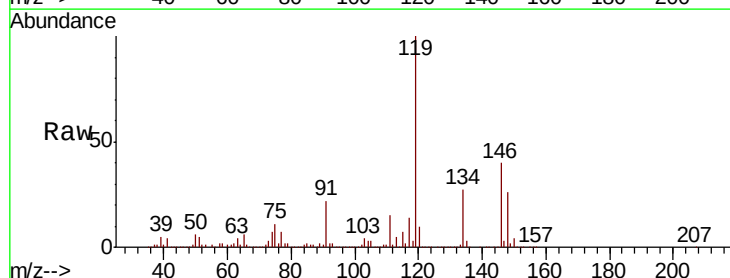
Tgt Ion:119 Resp: 2118238

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

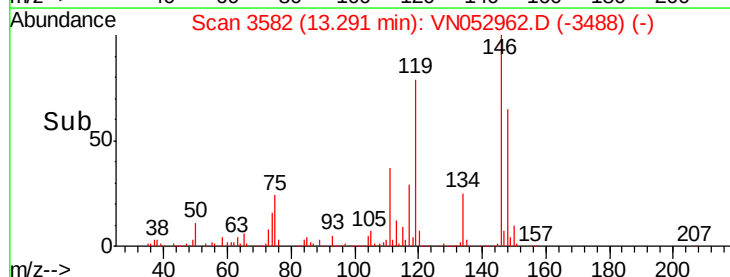
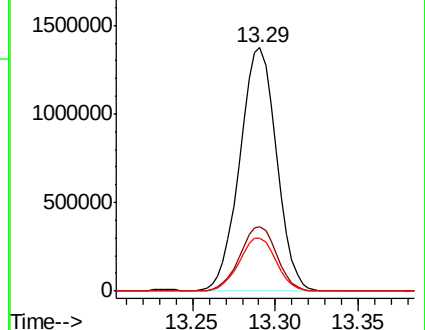
91 21.8 11.1 33.3

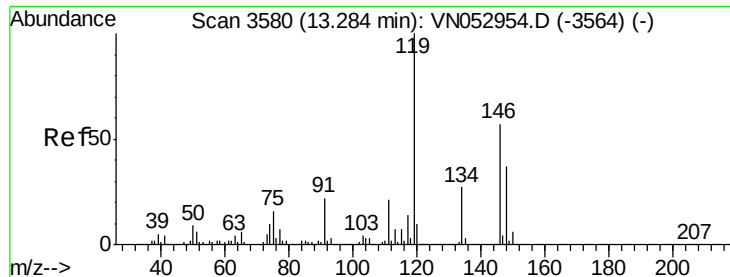


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

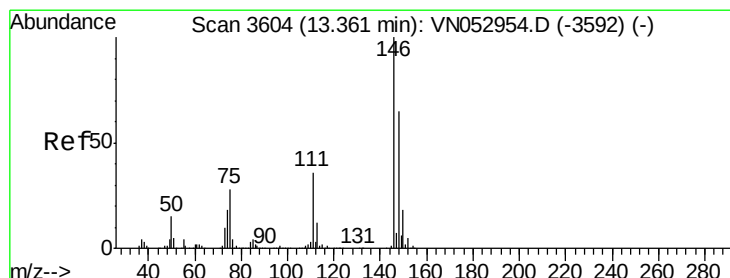
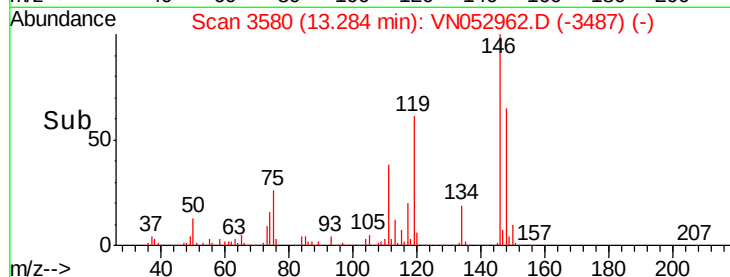
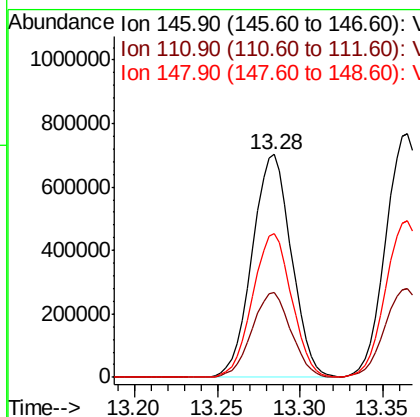
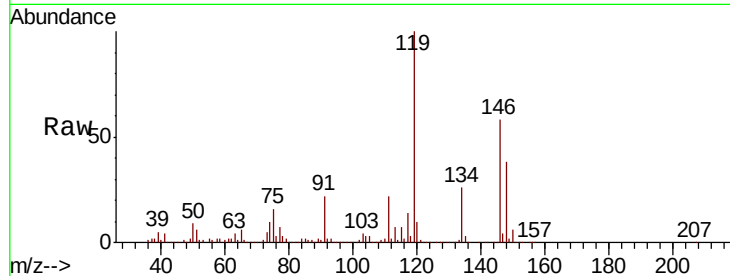




#87
 1,3-Dichlorobenzene
 Concen: 47.893 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

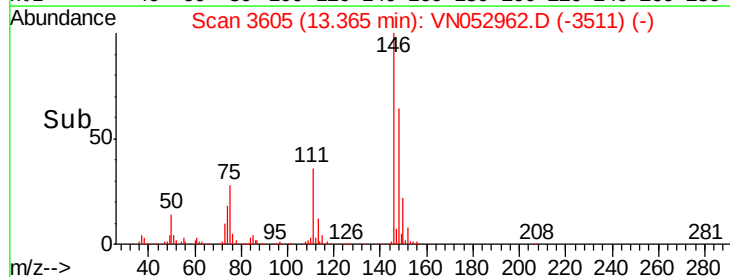
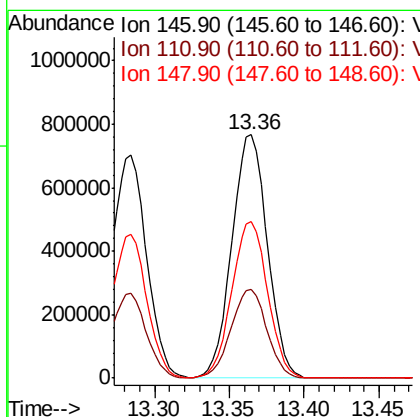
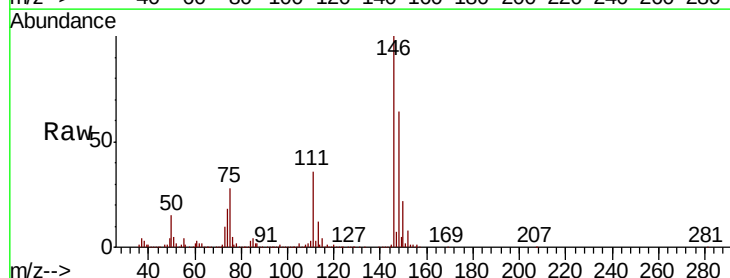
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

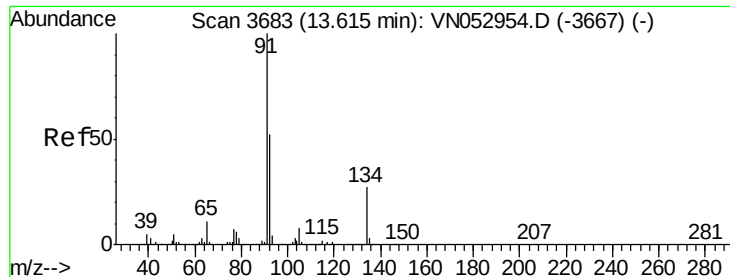
Tot Ion:146 Resp: 1156267
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.775 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion:146 Resp: 1265861
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 45.736 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052962.D

Acq: 18 Dec 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MSD

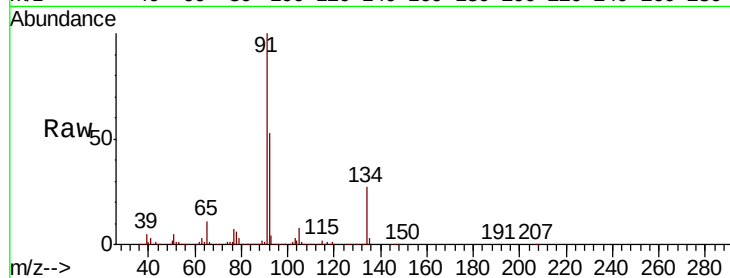
Tot Ion: 91 Resp: 1739656

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 27.5 13.3 39.8

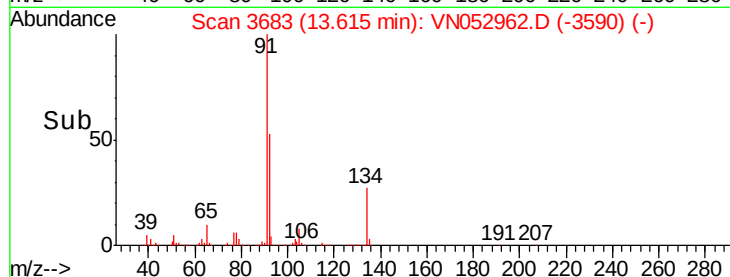


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)

Time--> 13.50 13.60 13.70

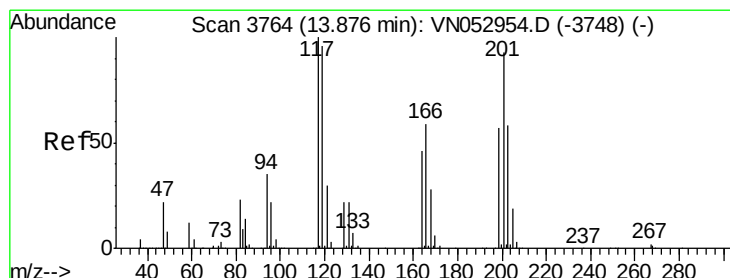


Abundance Ion 91.00 (90.70 to 91.70): VN052962.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052962.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052962.D (-3590) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 46.787 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052962.D

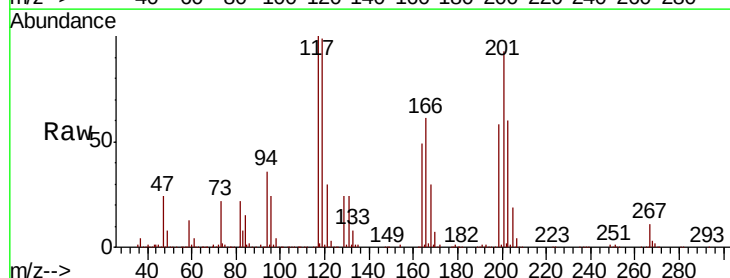
Acq: 18 Dec 2018 15:44

Tgt Ion: 117 Resp: 317438

Ion Ratio Lower Upper

117 100

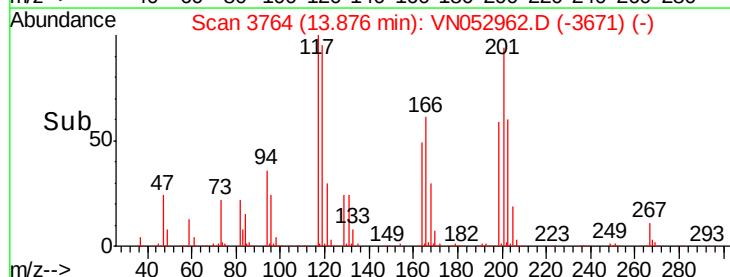
201 92.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

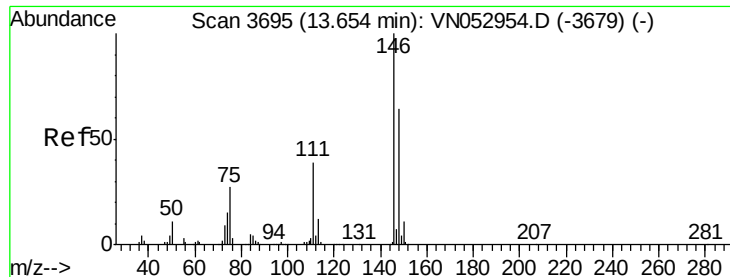
Time--> 13.80 13.85 13.90 13.95



Abundance Ion 116.80 (116.50 to 117.50): VN052962.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052962.D (-3671) (-)

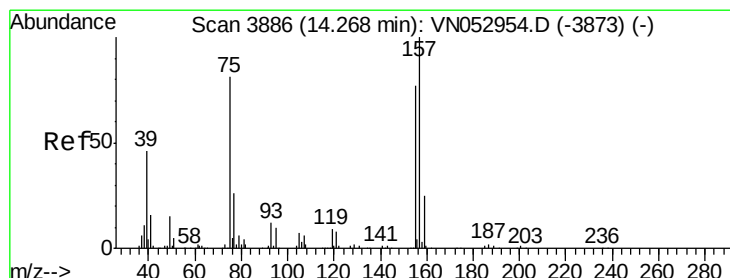
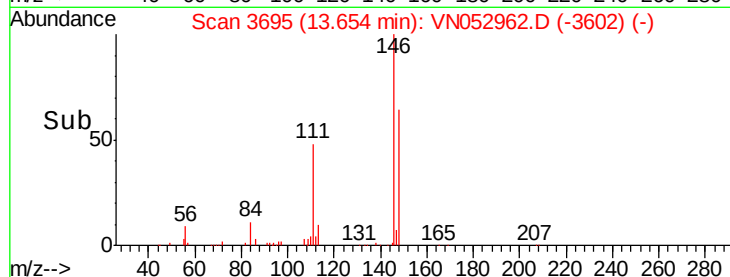
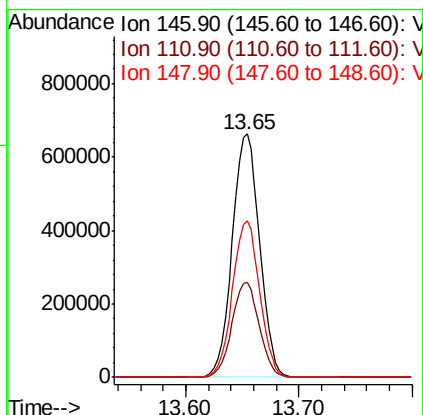
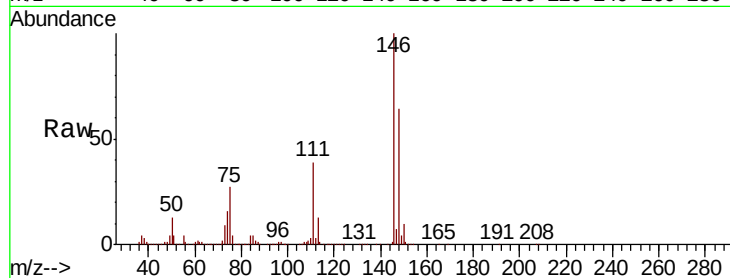
Time--> 13.80 13.85 13.90 13.95



#91
 1,2-Dichlorobenzene
 Concen: 49.052 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

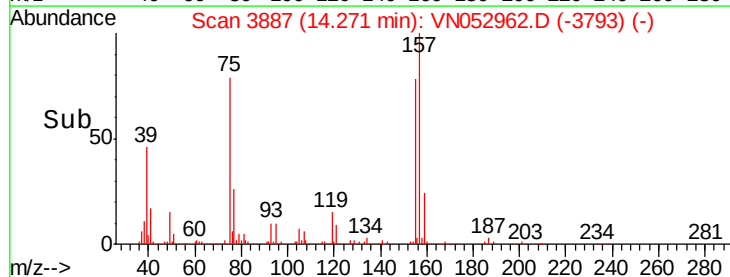
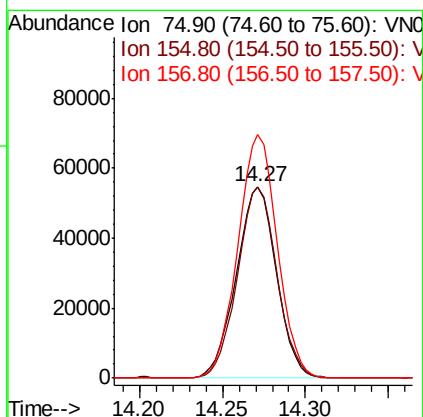
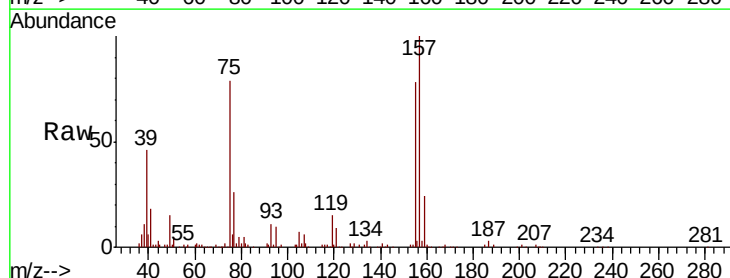
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

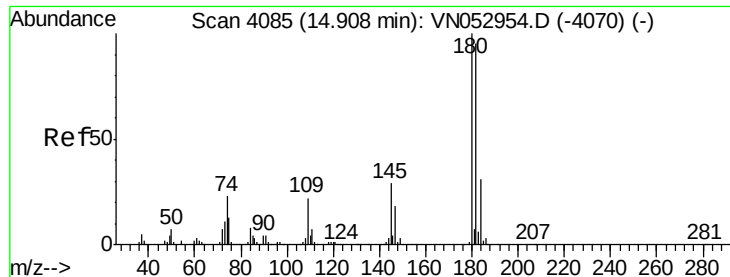
Tot Ion:146 Resp: 1114568
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.7 59.0
 148 63.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.727 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Tgt Ion: 75 Resp: 92078
 Ion Ratio Lower Upper
 75 100
 155 97.9 48.2 144.6
 157 125.2 61.2 183.5

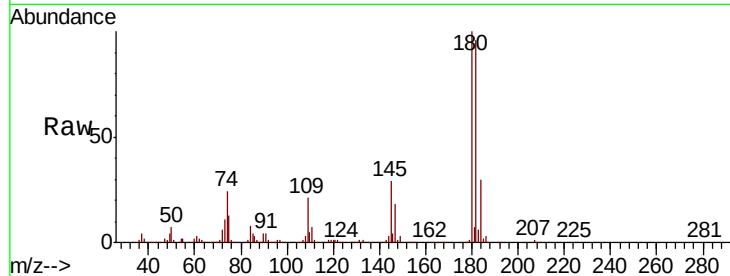




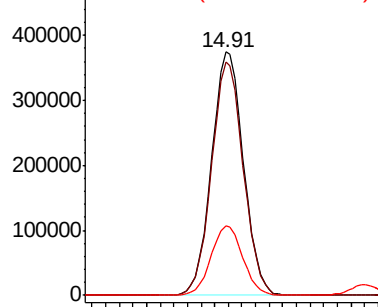
#93
 1,2,4-Trichlorobenzene
 Concen: 50.291 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MSD

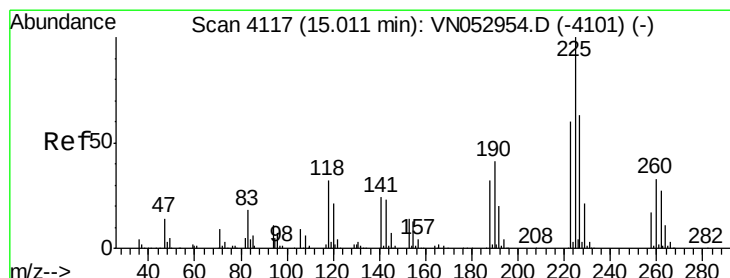
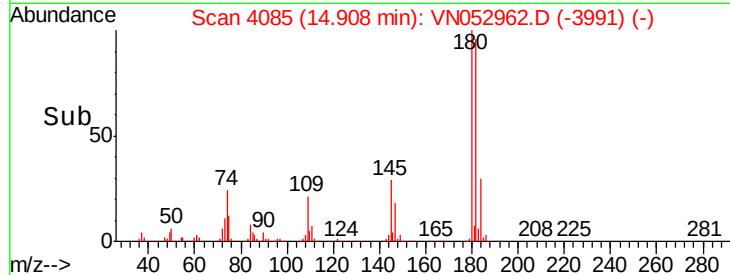
Tot Ion:180 Resp: 605458
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 28.5 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

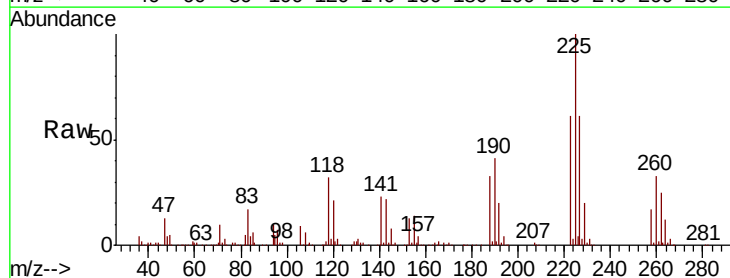


Time-->

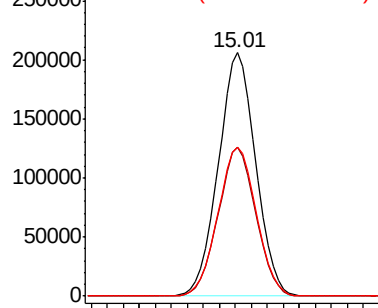


#94
 Hexachlorobutadiene
 Concen: 53.045 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052962.D
 Acq: 18 Dec 2018 15:44

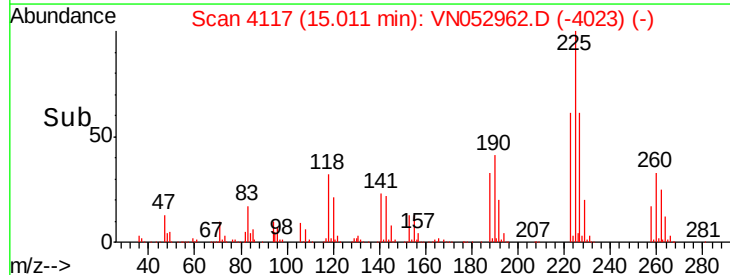
Tgt Ion:225 Resp: 329546
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.5 94.5
 227 63.1 31.9 95.7

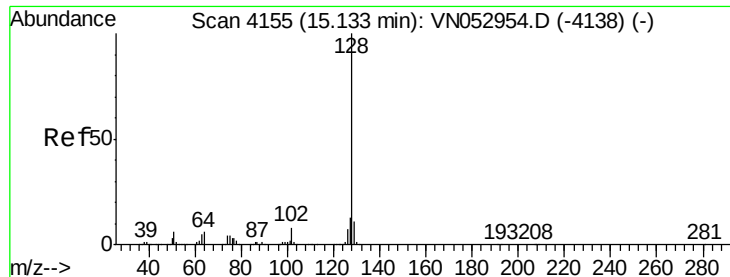


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

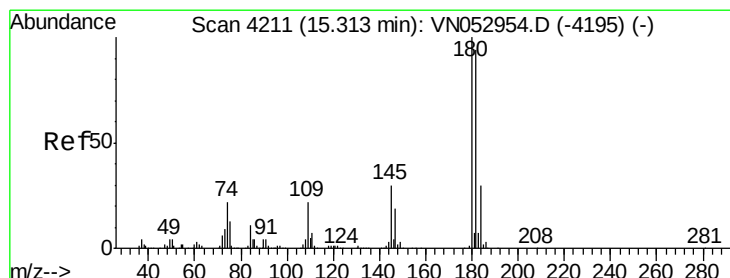
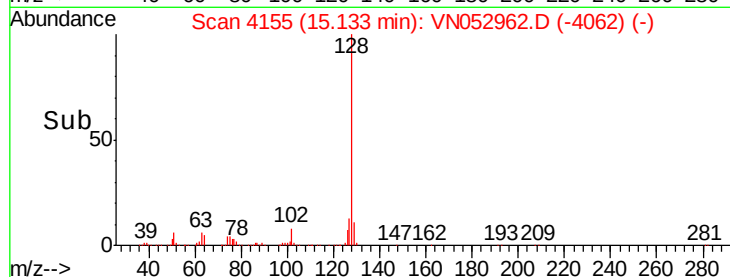
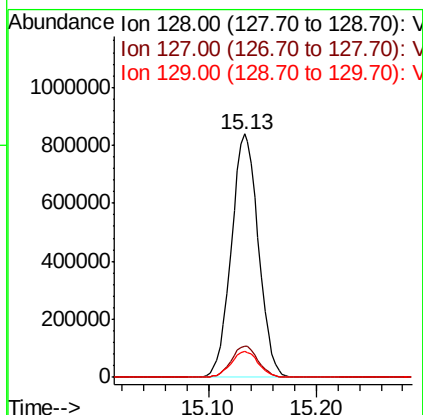
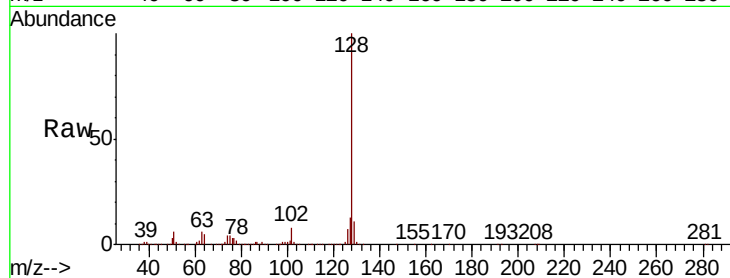




#95
Naphthalene
Concen: 55.398 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MSD

Tot Ion:128 Resp: 1464203
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.510 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052962.D
Acq: 18 Dec 2018 15:44

Tgt Ion:180 Resp: 547610
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 30.2 15.0 45.0

