

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113018\
 Data File : VN052616.D
 Acq On : 30 Nov 2018 19:21
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 01 00:57:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	160778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	929081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	329402	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	12.40	95	371044	29.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.47%
63) Toluene-d8	10.09	98	1115104	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	171520	18.731	ug/l 98
3) Chloromethane	2.06	50	228141	18.786	ug/l 100
4) Vinyl Chloride	2.19	62	236601	19.304	ug/l 97
5) Bromomethane	2.58	94	139684	19.987	ug/l 99
6) Chloroethane	2.71	64	144236	19.788	ug/l 100
7) Trichlorofluoromethane	3.02	101	296403	19.595	ug/l 99
8) Diethyl Ether	3.41	74	113598	20.338	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	184513	19.242	ug/l 95
10) 1,1-Dichloroethene	3.74	96	180302	19.998	ug/l 99
11) Methyl Iodide	3.96	142	270185	21.583	ug/l 99
12) Methyl Acetate	4.33	43	166992	21.799	ug/l 99
13) Acrolein	3.61	56	82823	92.039	ug/l 100
14) Acrylonitrile	4.99	53	341095	104.500	ug/l 98
15) Acetone	3.82	58	77708	91.927	ug/l 98
16) Carbon Disulfide	4.06	76	515356	18.054	ug/l 99
17) Allyl chloride	4.33	41	284302	18.081	ug/l 98
18) Methylene Chloride	4.56	84	214895	20.585	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	191955	19.783	ug/l 96
20) Diisopropyl ether	5.95	45	646574	19.568	ug/l 99
21) 1,1-Dichloroethane	5.85	63	371414	19.721	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	217998	19.604	ug/l 98
23) tert-Butyl Alcohol	4.78	59	59737	123.027	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	500219	21.149	ug/l 98
25) Chloroform	7.37	83	364188	20.045	ug/l 99
26) Cyclohexane	7.65	56	338025	19.030	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	276990	19.523	ug/l 99
30) 2-Butanone	6.84	43	384125	101.179	ug/l 99
31) 2,2-Dichloropropane	6.83	77	248691	19.040	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	301609	20.430	ug/l 98
33) Carbon Tetrachloride	7.78	117	257346	19.923	ug/l 100
34) Benzene	8.04	78	845431	19.819	ug/l 99
35) Methacrylonitrile	7.18	41	95834	20.346	ug/l 97
36) 1,2-Dichloroethane	8.13	62	261391	20.222	ug/l 99
37) Trichloroethene	8.84	130	216786	20.042	ug/l 97
38) Methylcyclohexane	9.08	83	328793	18.720	ug/l 98
39) 1,2-Dichloropropane	9.12	63	224709	19.652	ug/l 98
40) Dibromomethane	9.21	93	128421	20.783	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	268656	19.679	ug/l	100
42) Vinyl Acetate	5.90	43	2075454	101.038	ug/l	99
43) Ethyl Acetate	6.93	43	173595	21.504	ug/l #	69
44) Isopropyl Acetate	8.17	43	331603	23.421	ug/l	98
45) 1,4-Dioxane	9.20	88	36987	477.534	ug/l	95
46) Methyl methacrylate	9.20	41	155987	21.219	ug/l	99
47) n-amyl Acetate	12.07	43	247993	21.126	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	264052	19.948	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	313769	19.456	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	183656	20.968	ug/l	100
51) Ethyl methacrylate	10.43	69	233454	21.222	ug/l	97
52) 1,3-Dichloropropane	10.71	76	319531	20.495	ug/l	98
53) Dibromochloromethane	10.90	129	196055	20.331	ug/l	98
54) 1,2-Dibromoethane	11.01	107	179486	20.971	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	657329	102.081	ug/l	99
56) Bromoform	12.13	173	129829	20.598	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	866085	109.837	ug/l	99
59) 2-Hexanone	10.75	43	566798	105.226	ug/l	99
61) Tetrachloroethene	10.63	164	211023	21.066	ug/l	98
62) Toluene	10.16	91	896733	20.000	ug/l	99
64) Chlorobenzene	11.44	112	549828	20.091	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	192981	20.315	ug/l	100
66) Ethyl Benzene	11.51	91	959165	19.848	ug/l	99
67) m/p-Xylenes	11.62	106	721547	40.078	ug/l	99
68) o-Xylene	11.95	106	352445	20.169	ug/l	100
69) Styrene	11.96	104	564731	20.023	ug/l	100
70) Isopropylbenzene	12.25	105	940875	20.237	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	217166	21.472	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	266715	30.721	ug/l	45
73) Bromobenzene	12.53	156	233750	20.788	ug/l	95
74) n-propylbenzene	12.59	91	1058457	19.539	ug/l	98
75) 2-Chlorotoluene	12.68	91	634579	20.182	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	763668	20.336	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55194	20.125	ug/l	97
78) 4-Chlorotoluene	12.77	91	617610	19.669	ug/l	99
79) tert-butylbenzene	12.99	119	671574	20.535	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	761719	20.271	ug/l	99
81) sec-Butylbenzene	13.17	105	901979	19.801	ug/l	99
82) p-Isopropyltoluene	13.29	119	764384	19.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	401287	20.291	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	387147	20.262	ug/l	98
85) n-Butylbenzene	13.62	91	614027	18.429	ug/l	99
86) Hexachloroethane	13.88	117	127908	19.462	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	391460	20.800	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31601	22.306	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	184932	19.945	ug/l	98
90) Hexachlorobutadiene	15.01	225	122712	20.175	ug/l	99
91) Naphthalene	15.13	128	386073	20.619	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	178441	20.883	ug/l	97

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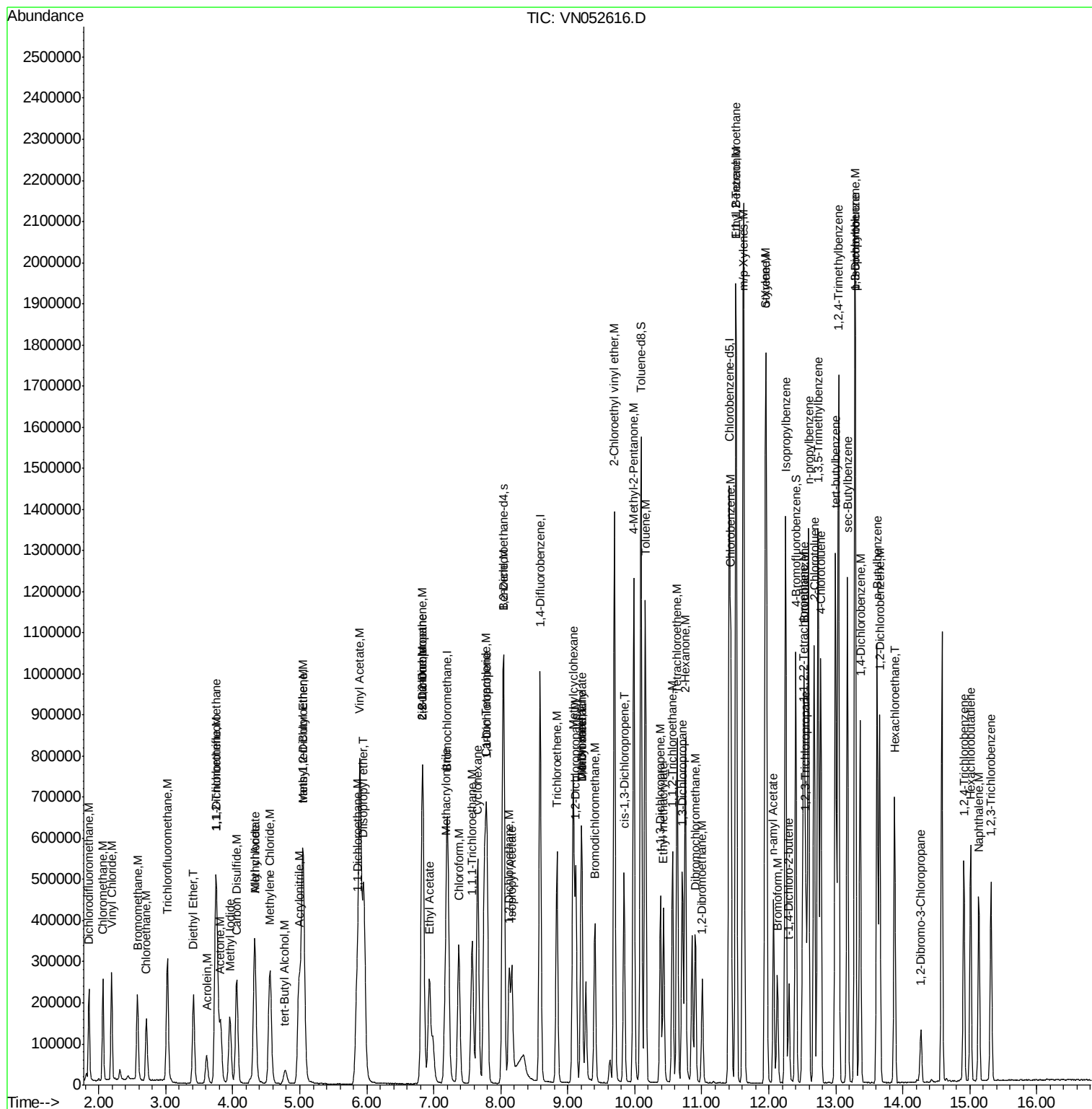
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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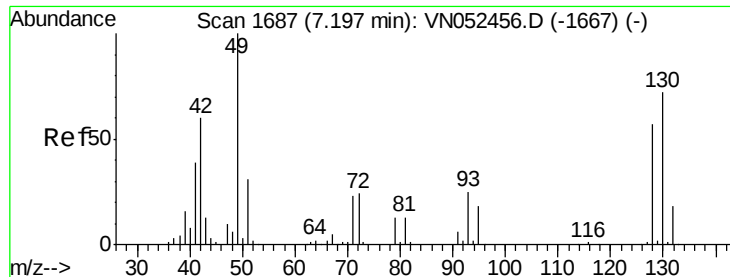
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN113018\
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Quant Time: Dec 01 00:57:56 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

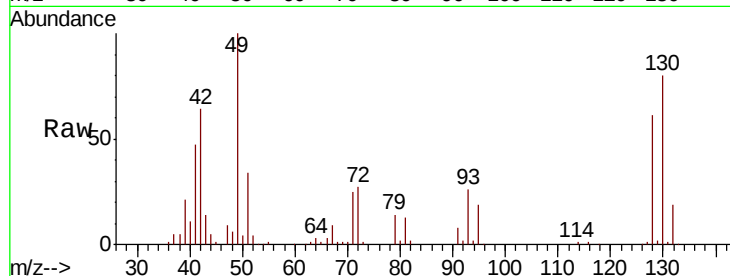
Tot Ion:128 Resp: 160778

Ion Ratio Lower Upper

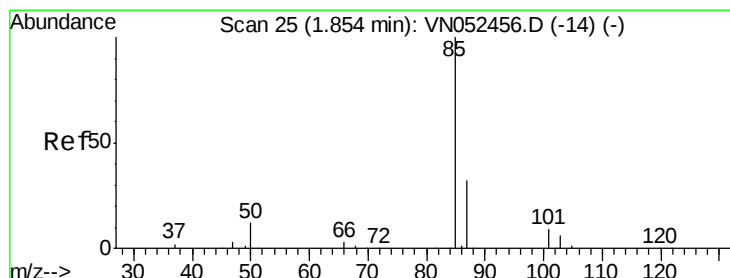
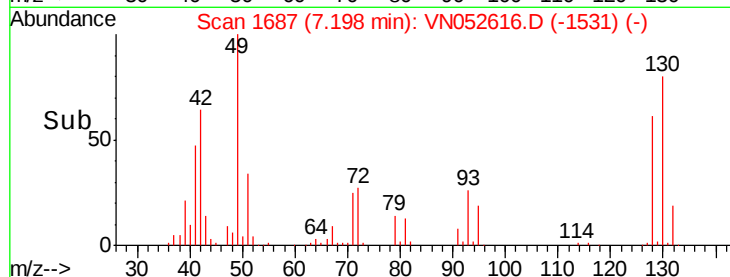
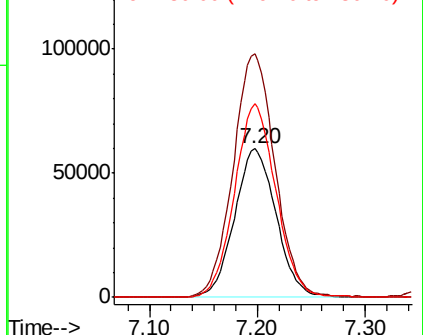
128 100

49 165.5 0.0 431.8

130 129.6 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.731 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052616.D

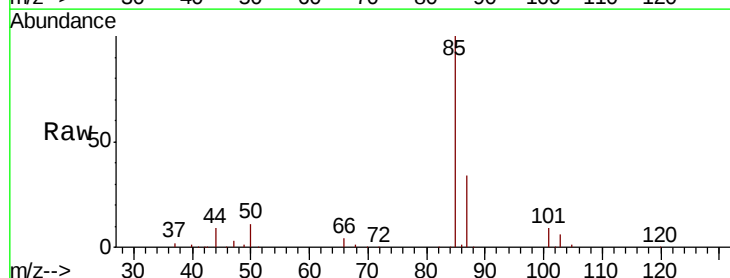
Acq: 30 Nov 2018 19:21

Tgt Ion: 85 Resp: 171520

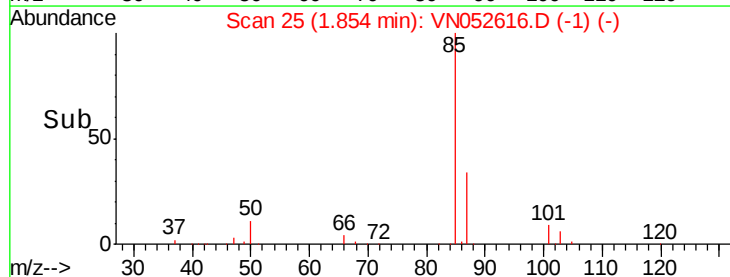
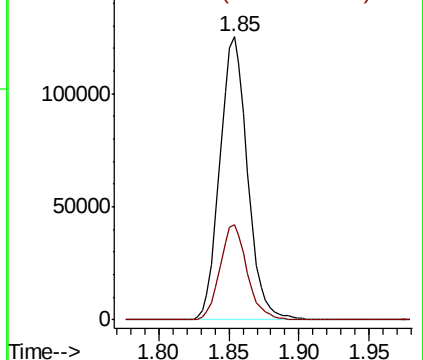
Ion Ratio Lower Upper

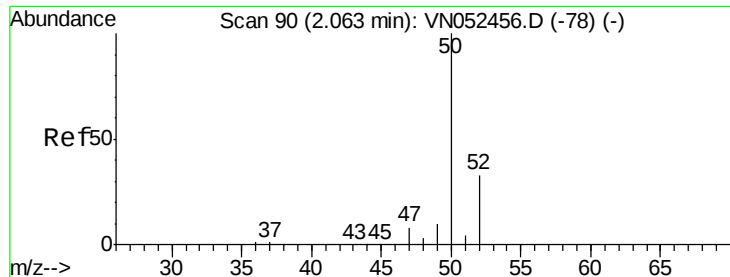
85 100

87 33.6 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.786 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

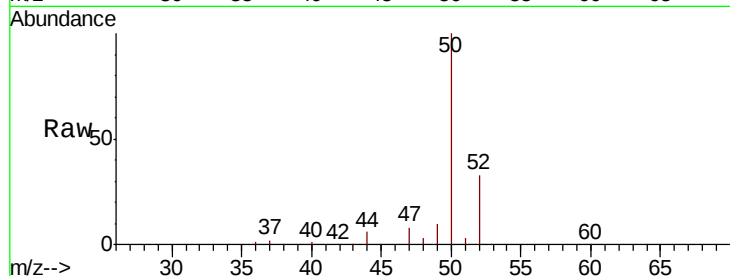
VSTDCCC020EC

Tot Ion: 50 Resp: 228141

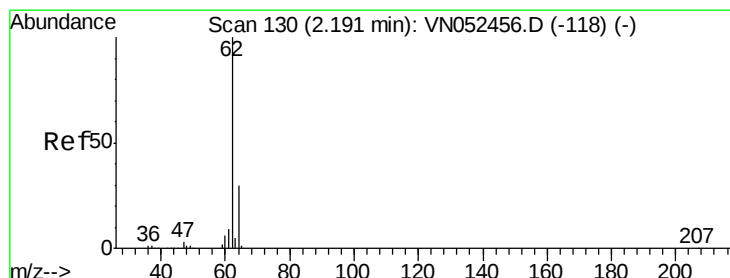
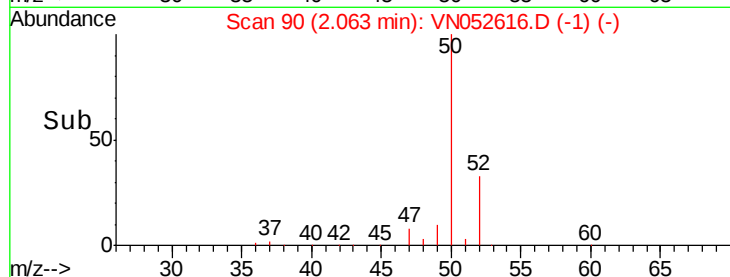
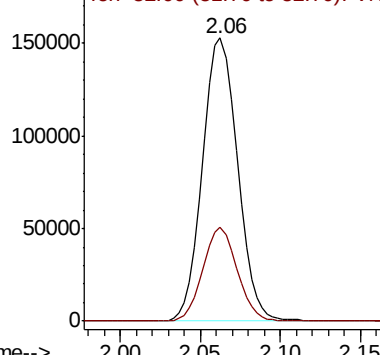
Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.304 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052616.D

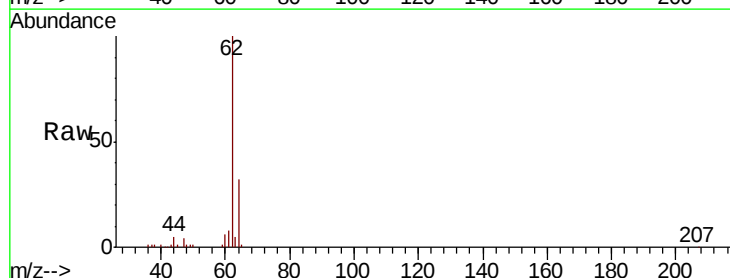
Acq: 30 Nov 2018 19:21

Tgt Ion: 62 Resp: 236601

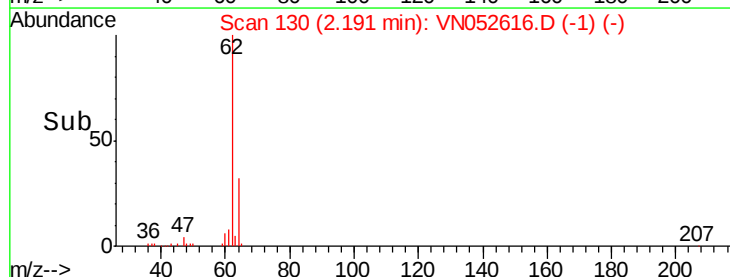
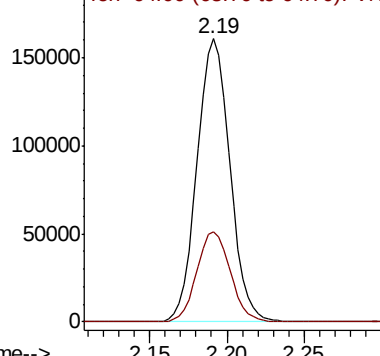
Ion Ratio Lower Upper

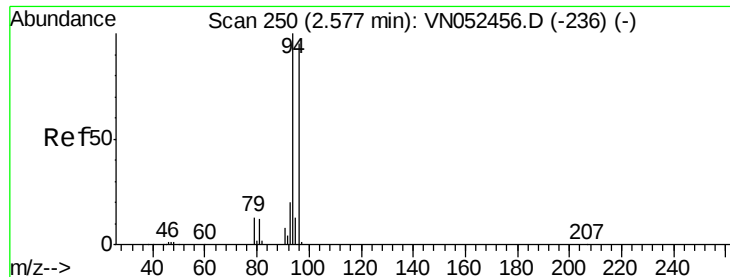
62 100

64 31.9 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 19.987 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

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Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

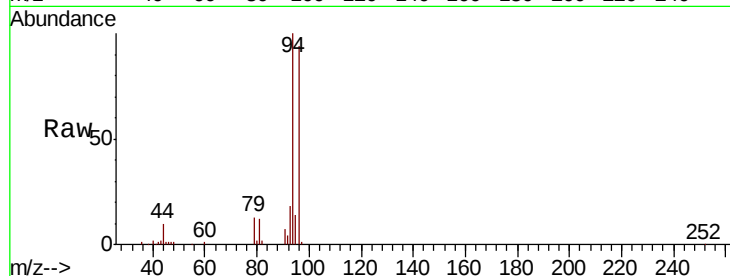
VSTDCCC020EC

Tot Ion: 94 Resp: 139684

Ion Ratio Lower Upper

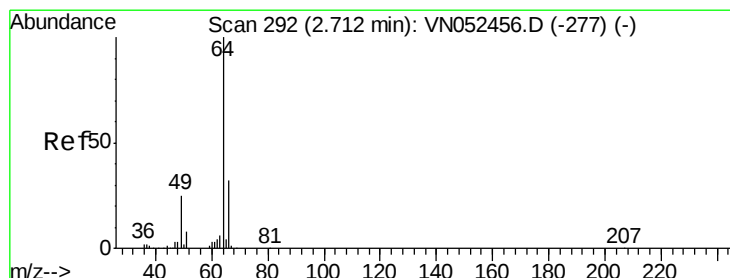
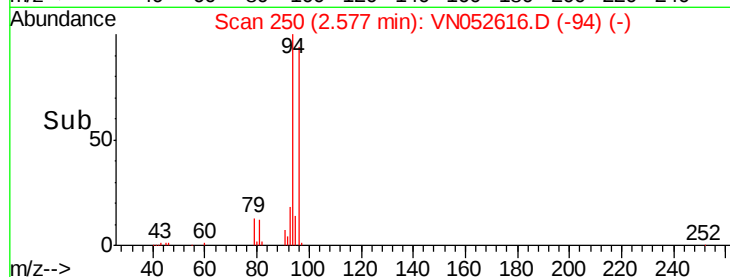
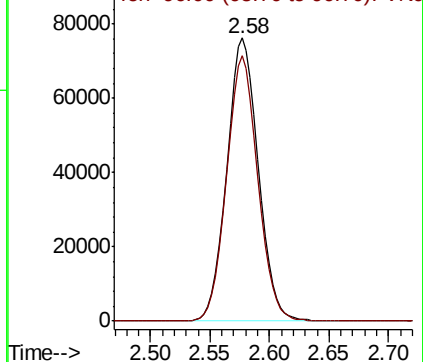
94 100

96 93.9 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.788 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052616.D

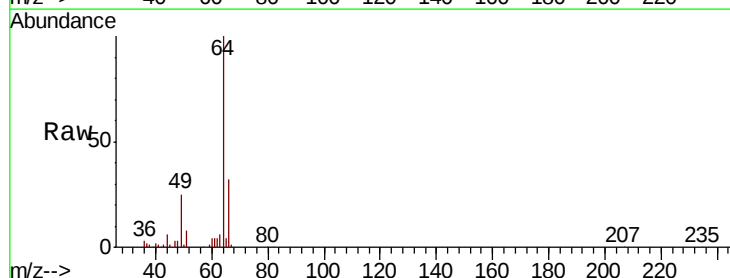
Acq: 30 Nov 2018 19:21

Tgt Ion: 64 Resp: 144236

Ion Ratio Lower Upper

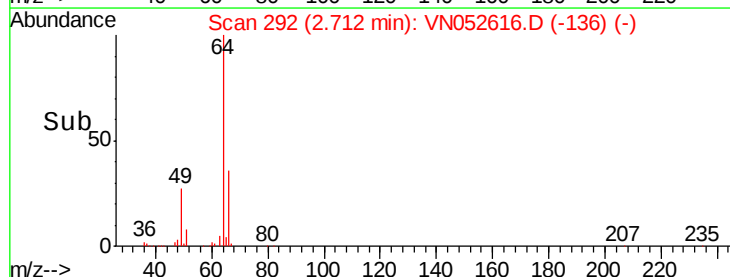
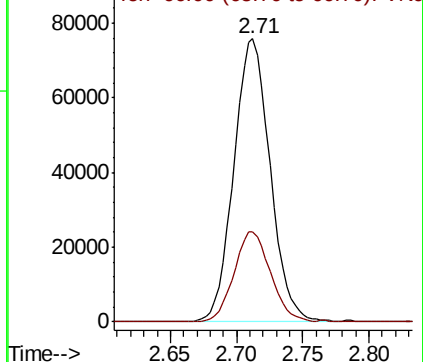
64 100

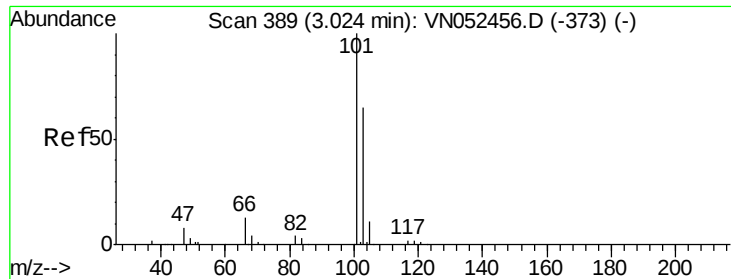
66 31.9 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



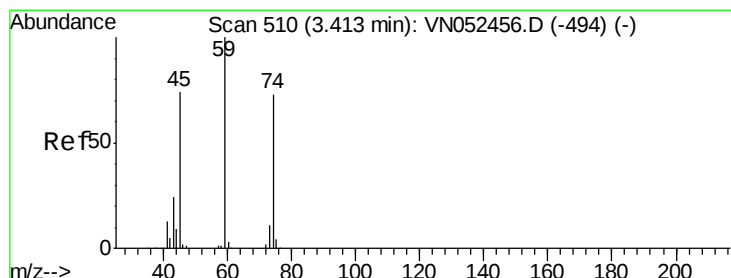
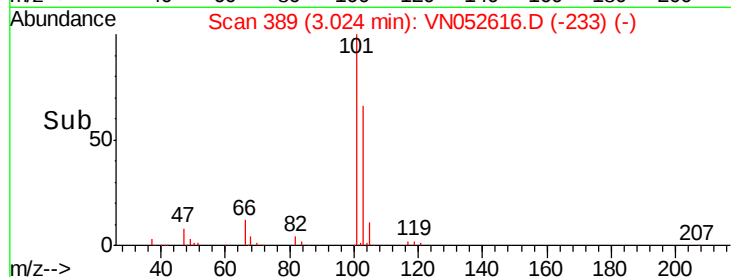
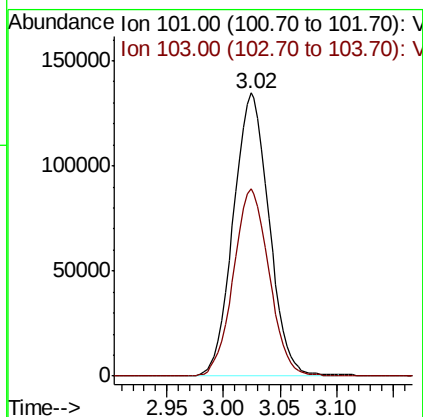
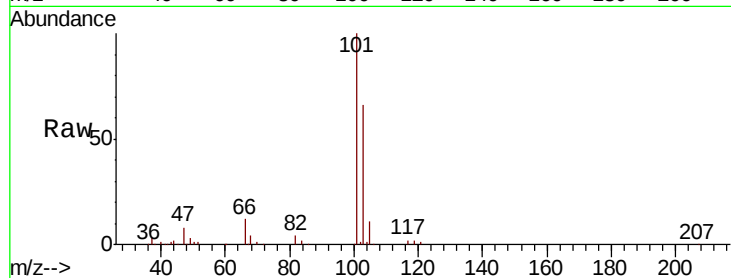


#7

Trichlorofluoromethane
 Concen: 19.595 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
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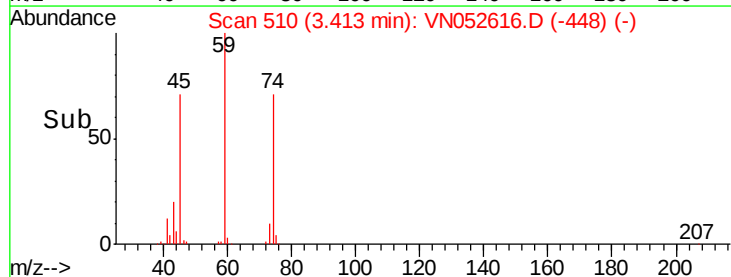
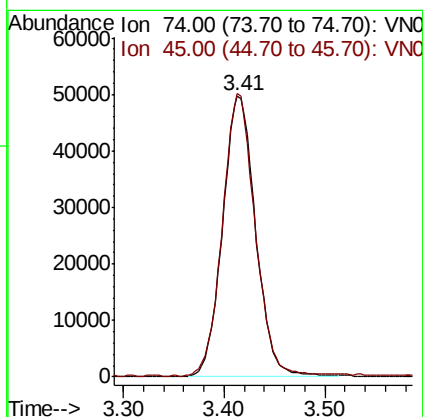
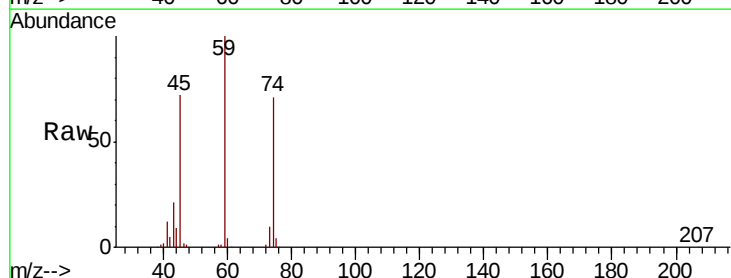
Tot Ion:101 Resp: 296403
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.1 78.1

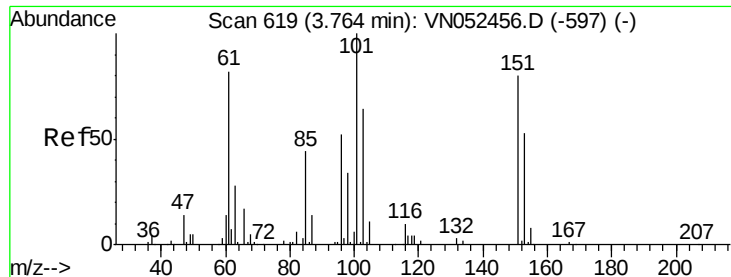


#8

Diethyl Ether
 Concen: 20.338 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 74 Resp: 113598
 Ion Ratio Lower Upper
 74 100
 45 98.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.242 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052616.D

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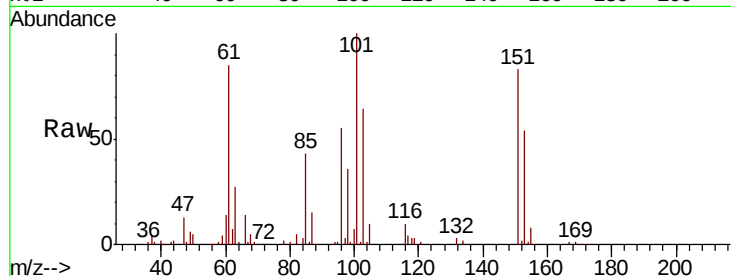
Tot Ion:101 Resp: 184513

Ion Ratio Lower Upper

101 100

85 43.2 0.0 82.6

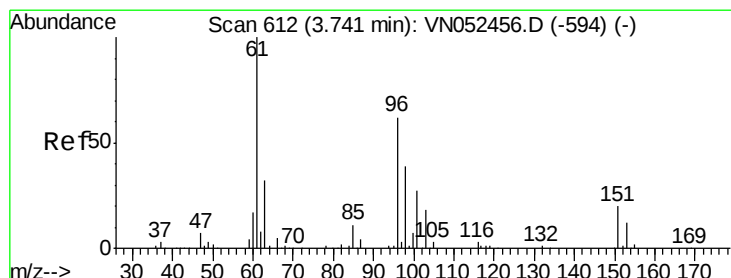
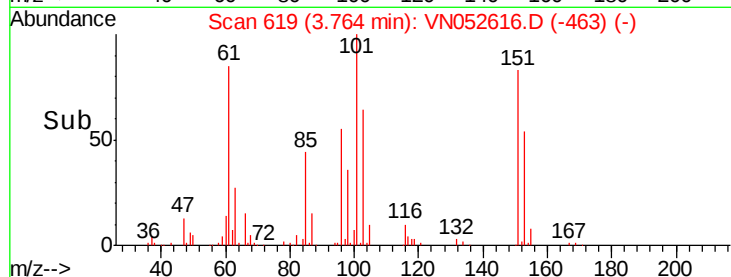
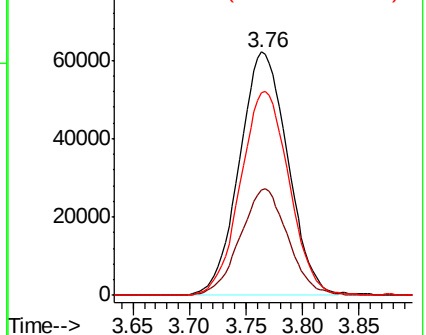
151 84.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.998 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

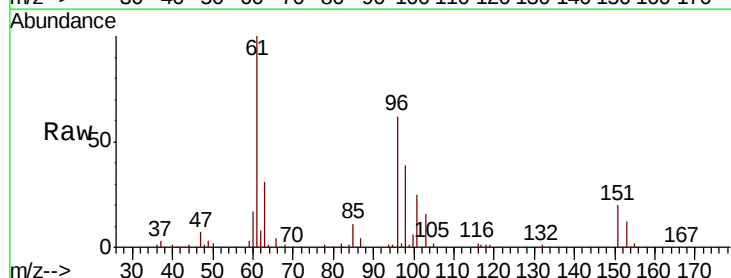
Tgt Ion: 96 Resp: 180302

Ion Ratio Lower Upper

96 100

61 160.2 129.4 194.2

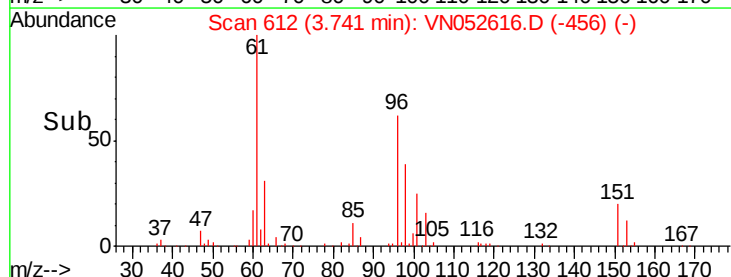
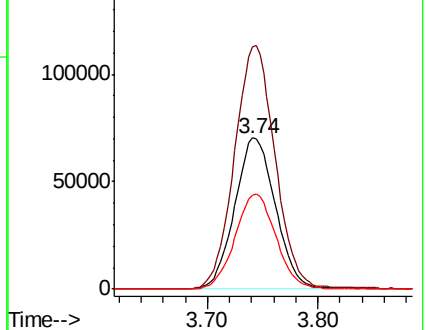
98 62.3 50.4 75.6

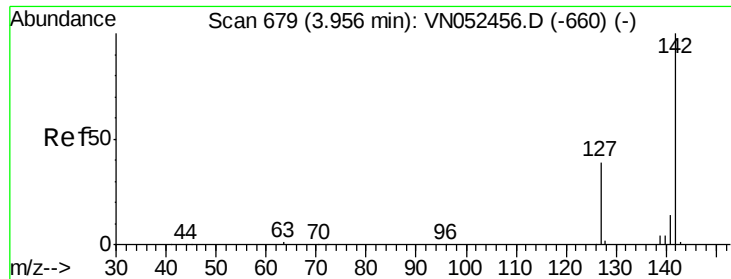


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

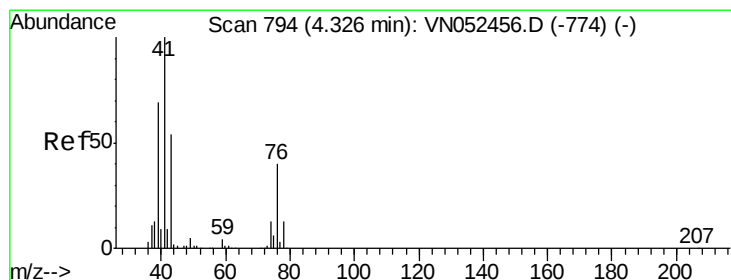
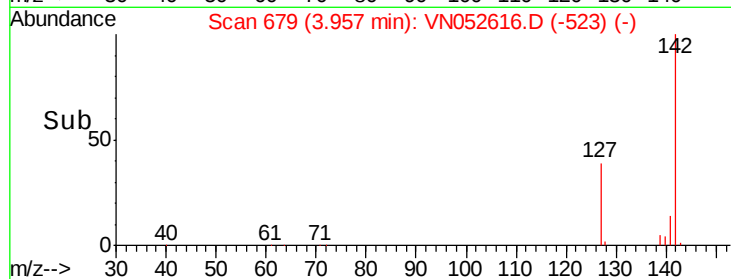
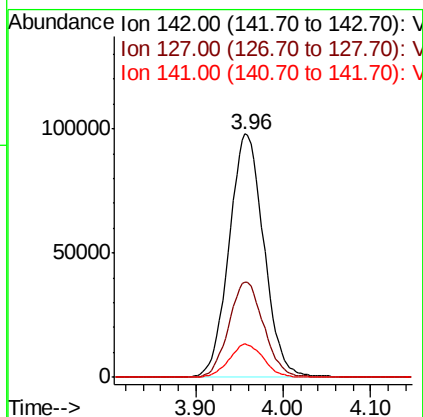
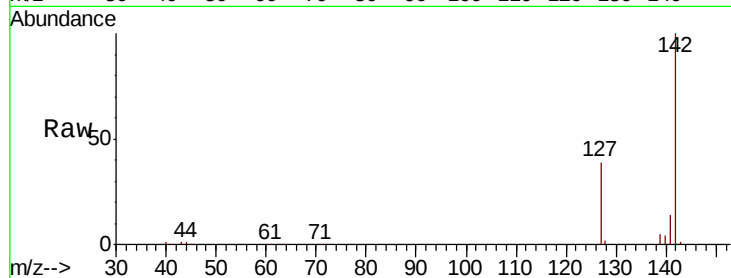




#11
Methvl Iodide
Concen: 21.583 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

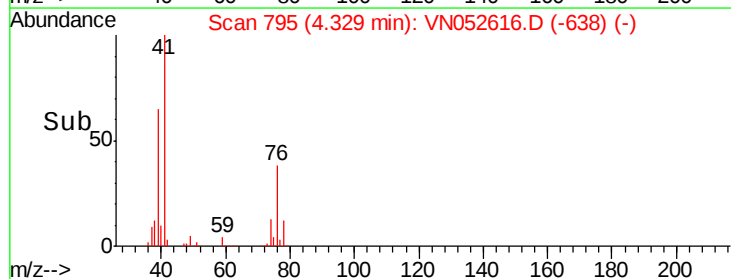
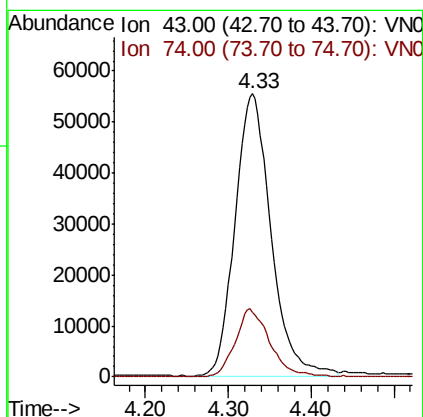
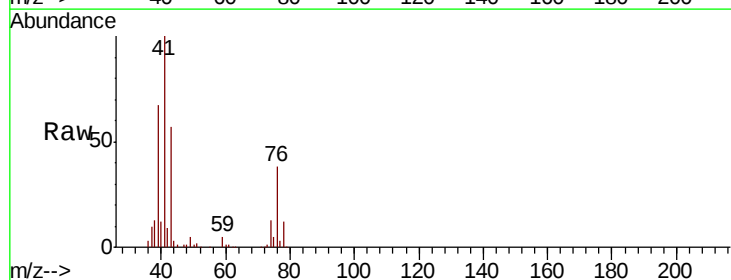
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

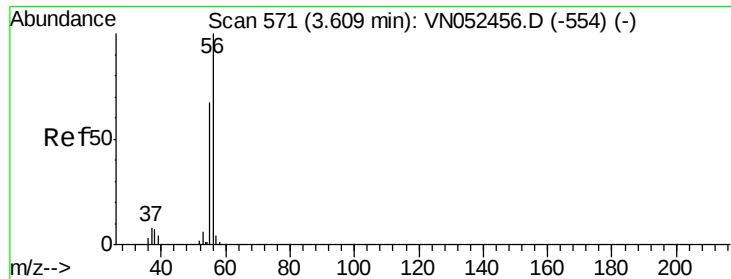
Tot Ion:142 Resp: 270185
Ion Ratio Lower Upper
142 100
127 39.3 19.4 58.1
141 13.6 7.2 21.6



#12
Methyl Acetate
Concen: 21.799 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 166992
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3





#13

Acrolein

Concen: 92.039 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

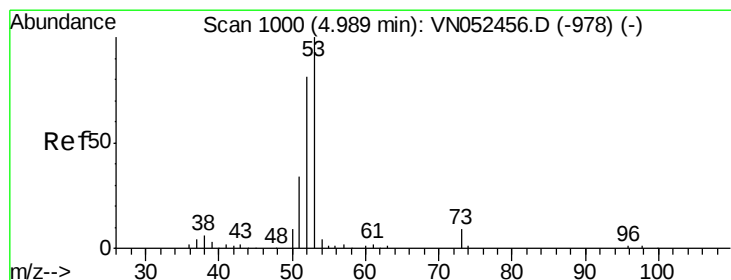
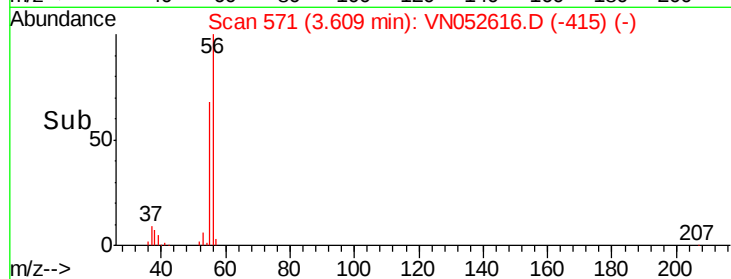
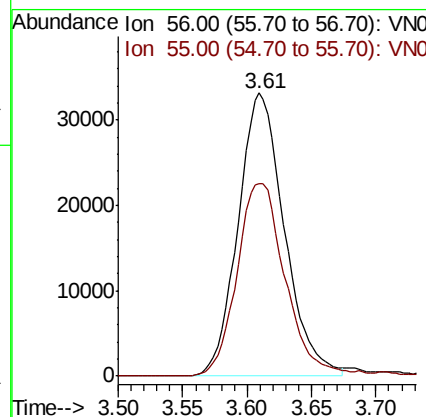
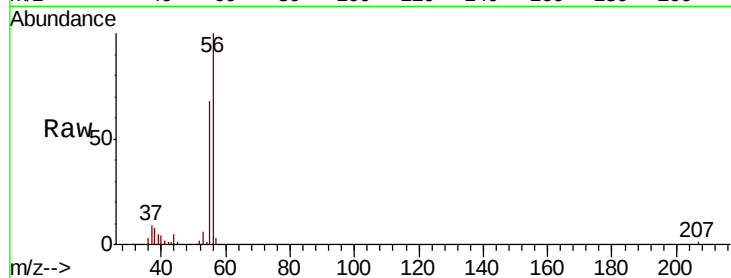
VSTDCCC020EC

Tot Ion: 56 Resp: 82823

Ion Ratio Lower Upper

56 100

55 70.7 56.7 85.1



#14

Acrylonitrile

Concen: 104.500 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

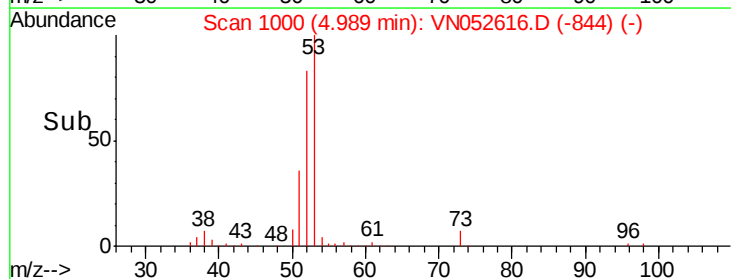
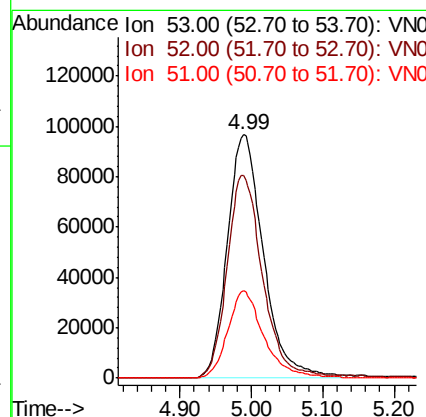
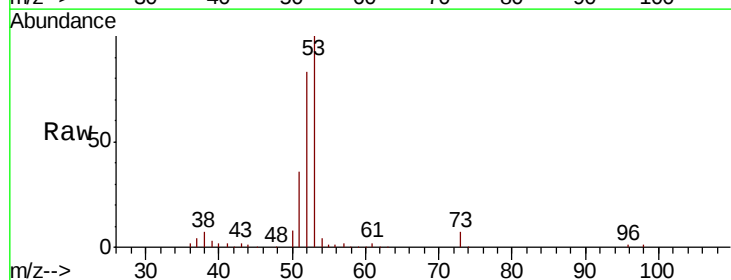
Tgt Ion: 53 Resp: 341095

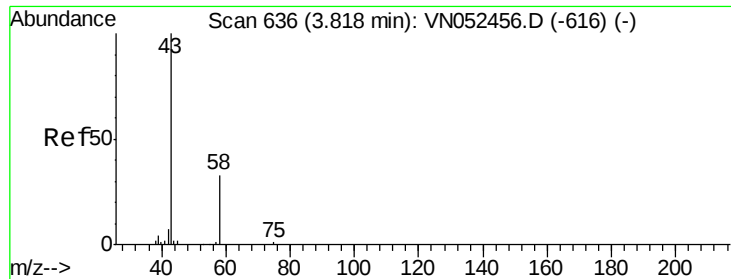
Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 35.4 17.6 52.9





#15

Acetone

Concen: 91.927 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

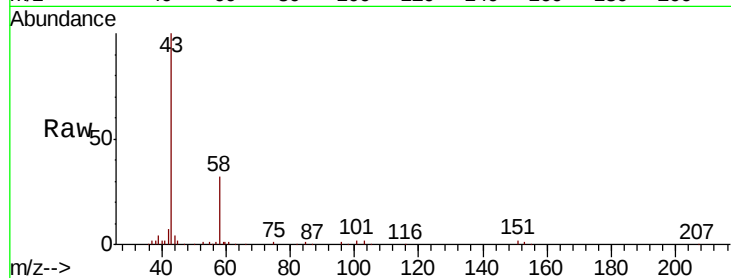
VSTDCCC020EC

Tot Ion: 58 Resp: 77708

Ion Ratio Lower Upper

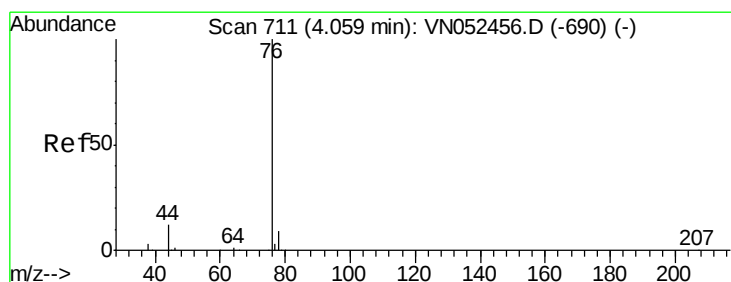
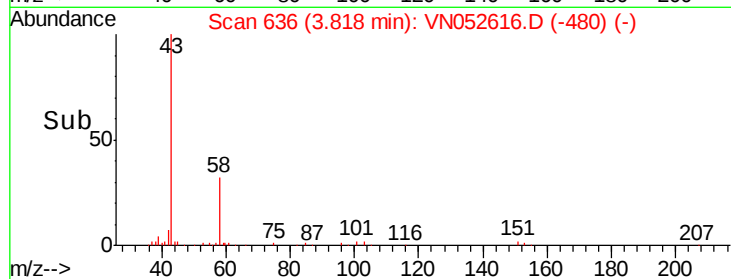
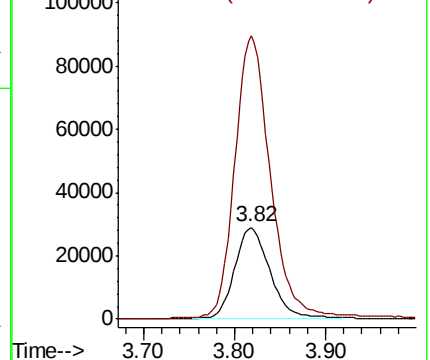
58 100

43 308.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.054 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052616.D

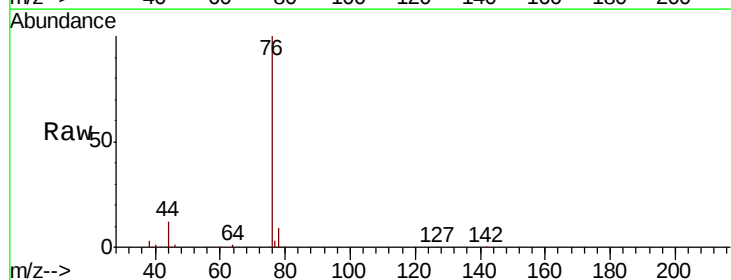
Acq: 30 Nov 2018 19:21

Tgt Ion: 76 Resp: 515356

Ion Ratio Lower Upper

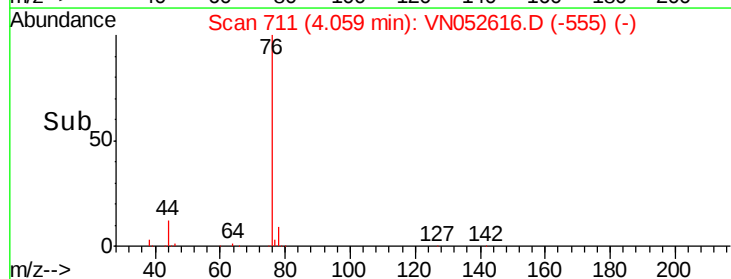
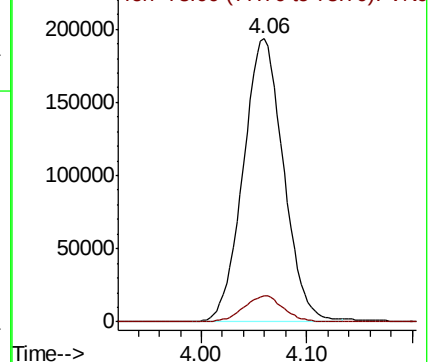
76 100

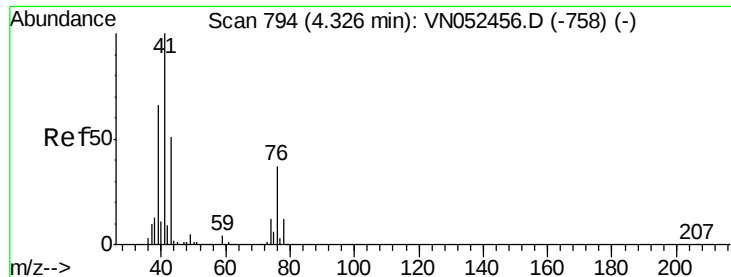
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

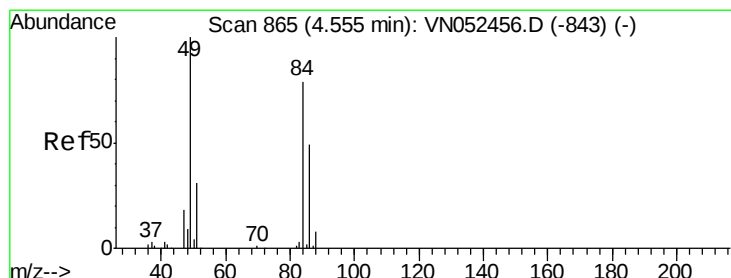
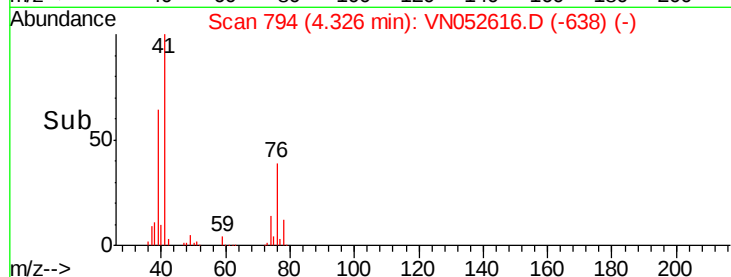
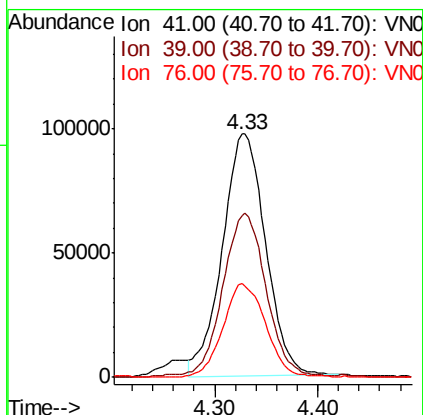
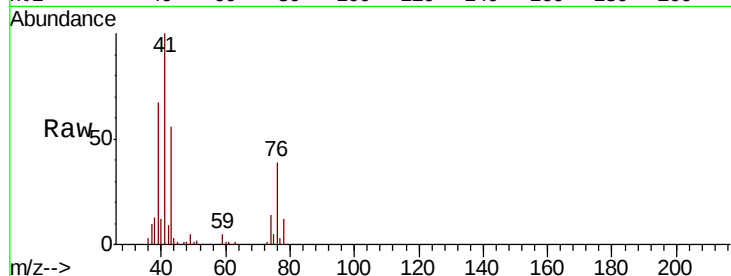




#17
Allvl chloride
Concen: 18.081 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

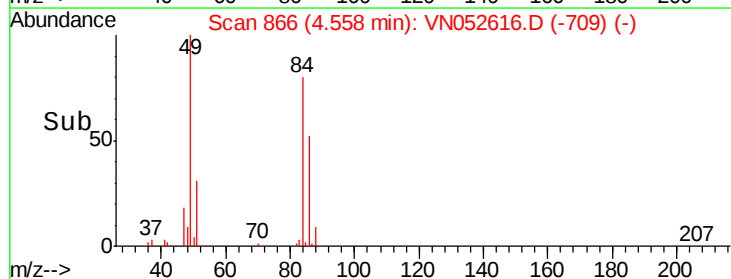
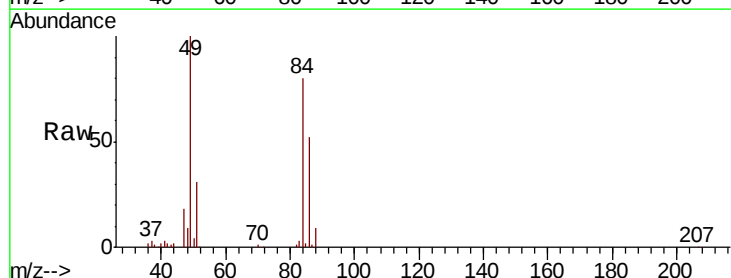
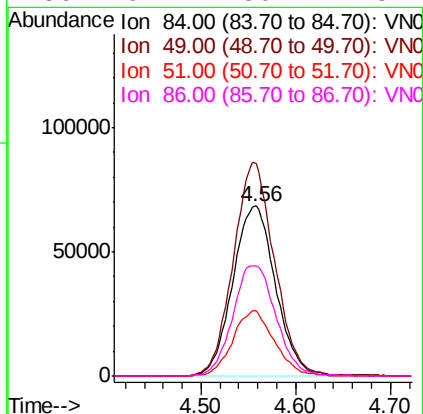
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

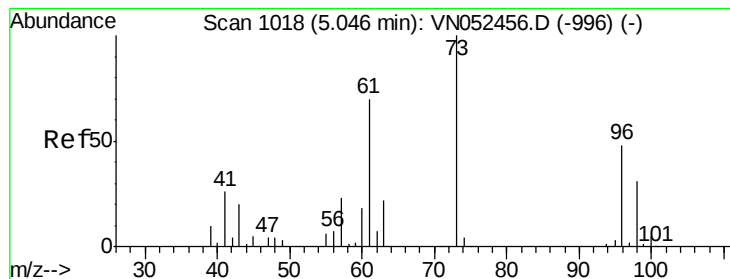
Tot Ion: 41 Resp: 284302
Ion Ratio Lower Upper
41 100
39 66.4 32.8 98.3
76 38.5 18.6 55.8



#18
Methylene Chloride
Concen: 20.585 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 84 Resp: 214895
Ion Ratio Lower Upper
84 100
49 124.4 101.4 152.0
51 38.4 31.7 47.5
86 64.7 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 19.783 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

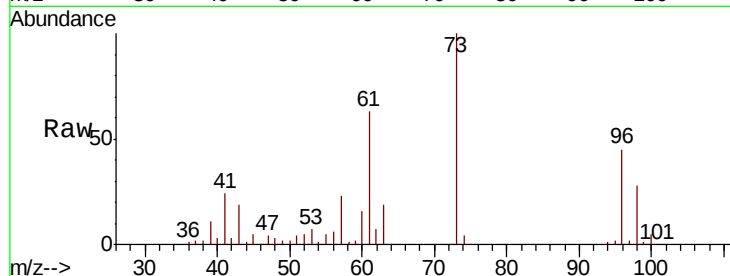
Tot Ion: 96 Resp: 191955

Ion Ratio Lower Upper

96 100

61 141.0 118.2 177.4

98 62.5 51.4 77.2

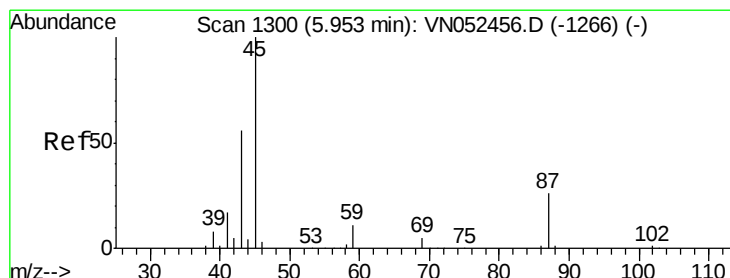
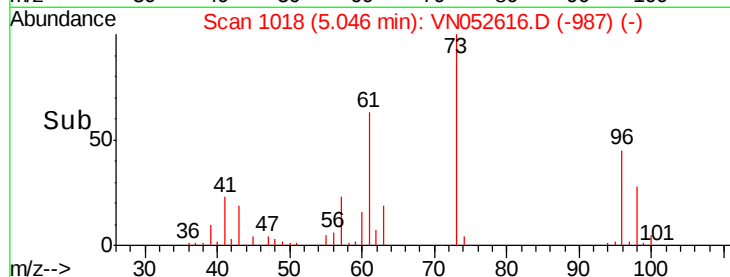
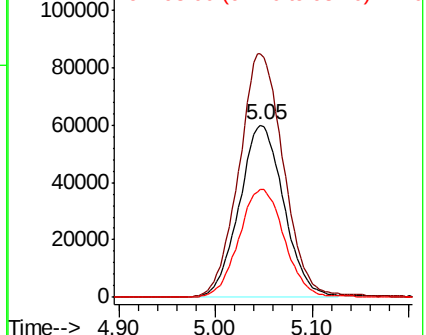


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.568 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion: 45 Resp: 646574

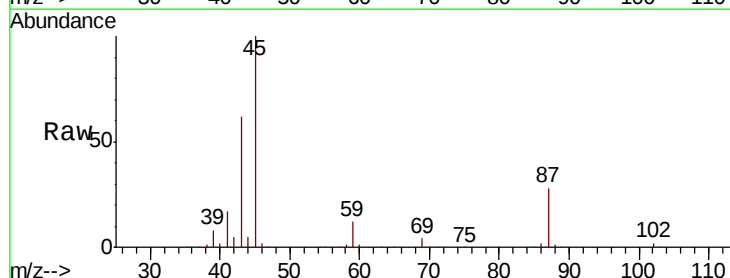
Ion Ratio Lower Upper

45 100

43 60.6 47.8 71.8

87 27.7 21.3 31.9

59 11.7 8.9 13.3



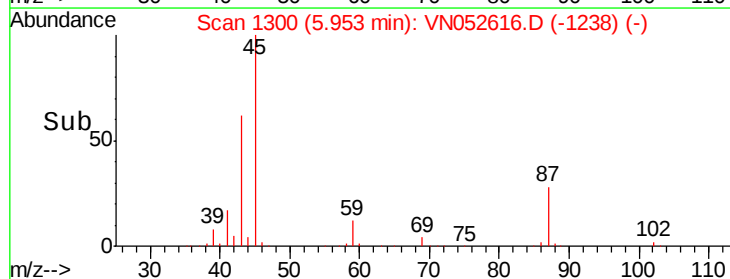
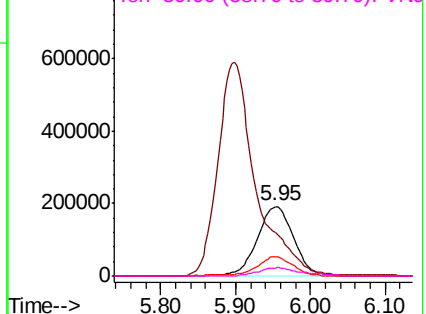
Abundance

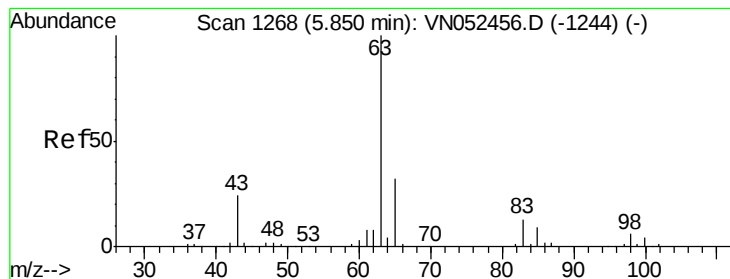
Ion 45.00 (44.70 to 45.70): VN0

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





#21

1,1-Dichloroethane

Concen: 19.721 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

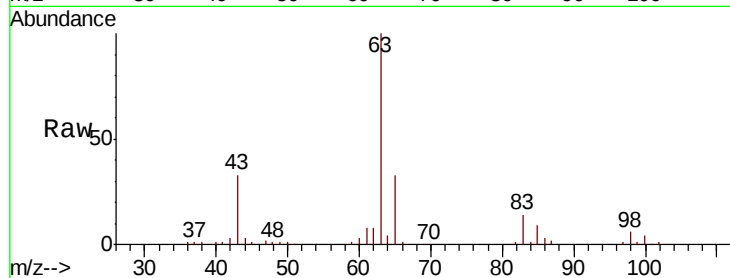
Tot Ion: 63 Resp: 371414

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

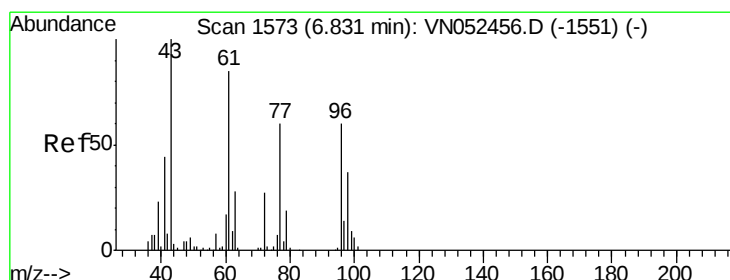
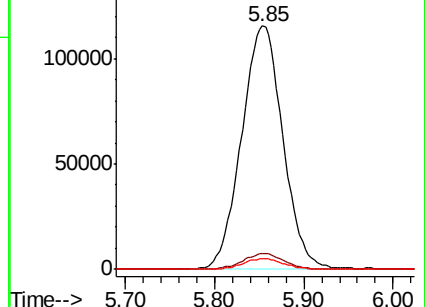
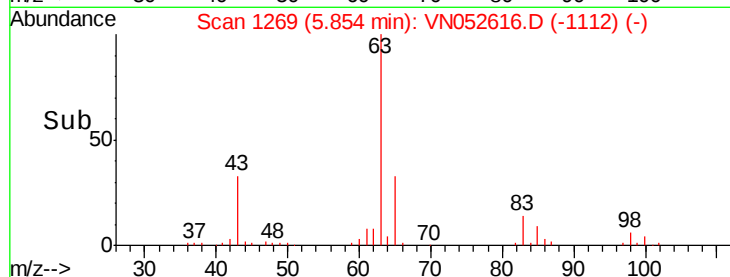
100 4.5 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052616.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052616.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052616.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.604 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

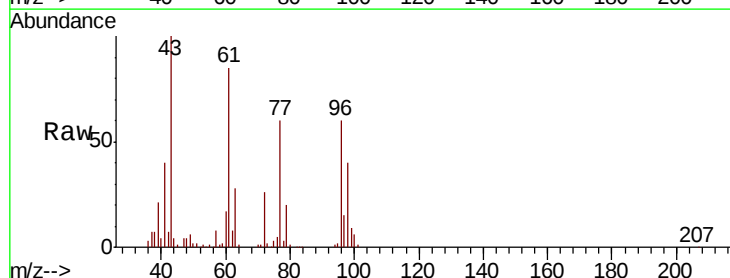
Tgt Ion: 96 Resp: 217998

Ion Ratio Lower Upper

96 100

61 146.5 116.7 175.1

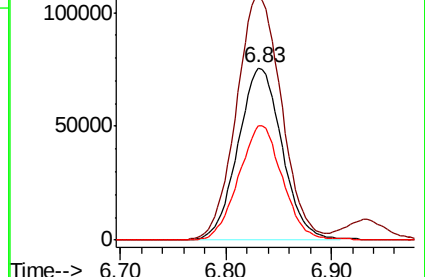
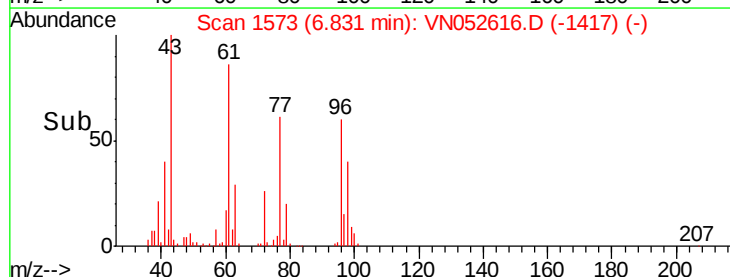
98 66.7 50.8 76.2

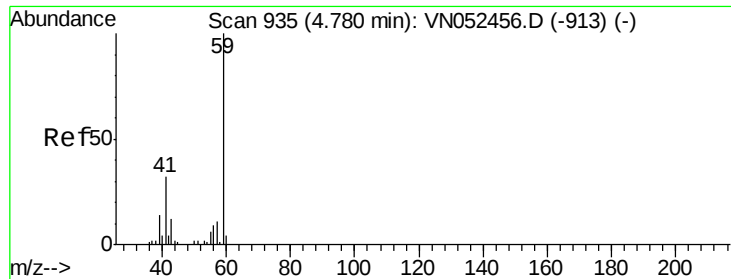


Abundance Ion 96.00 (95.70 to 96.70): VN052616.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052616.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052616.D (-1417) (-)



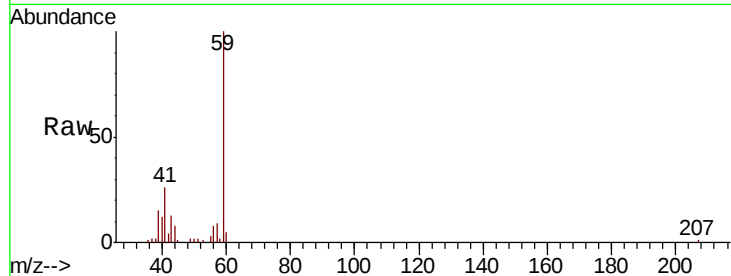


#23

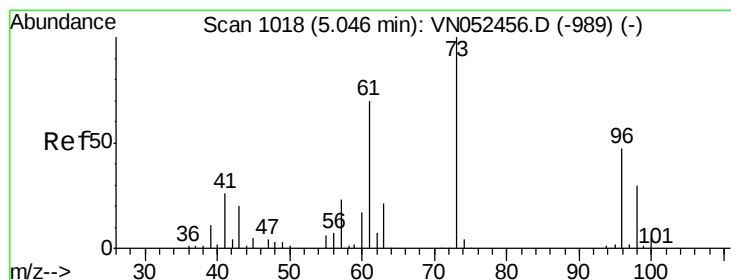
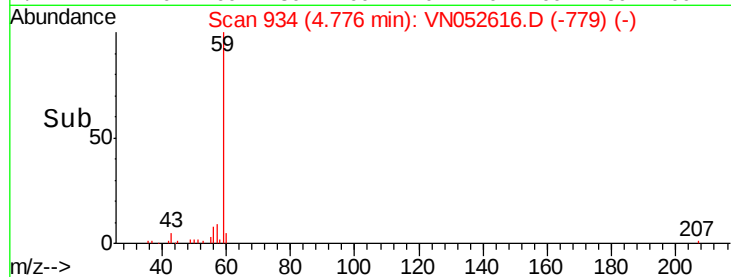
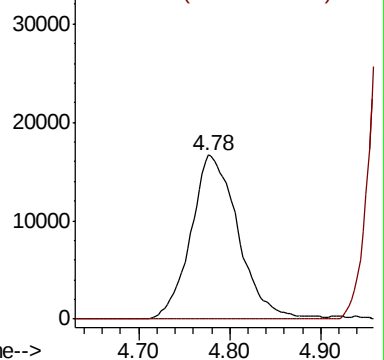
tert-Butyl Alcohol
 Concen: 123.027 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 59737
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



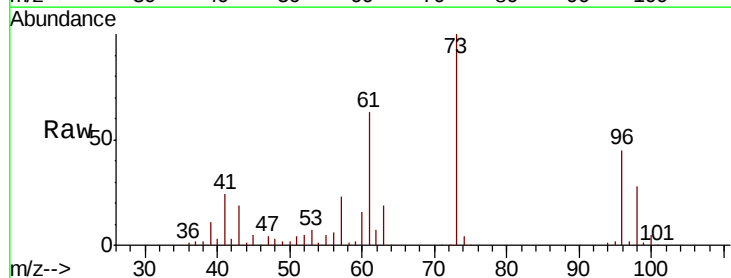
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



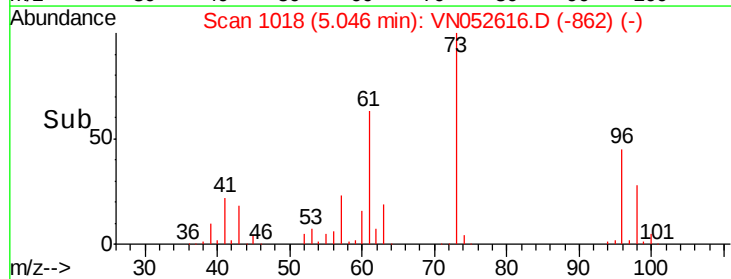
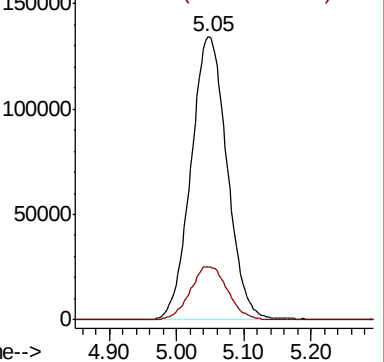
#24

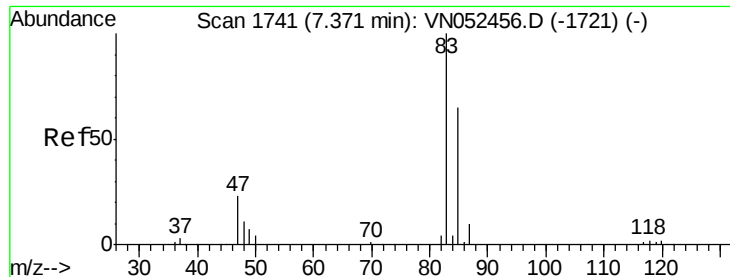
Methyl tert-Butyl Ether
 Concen: 21.149 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 73 Resp: 500219
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

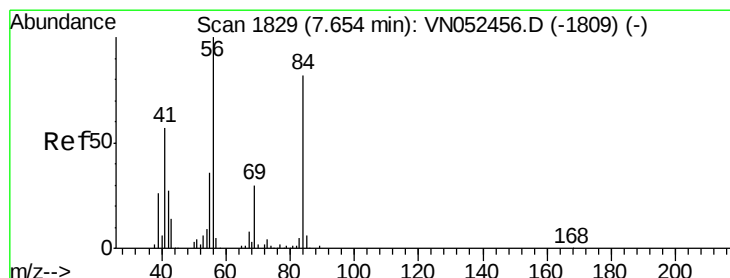
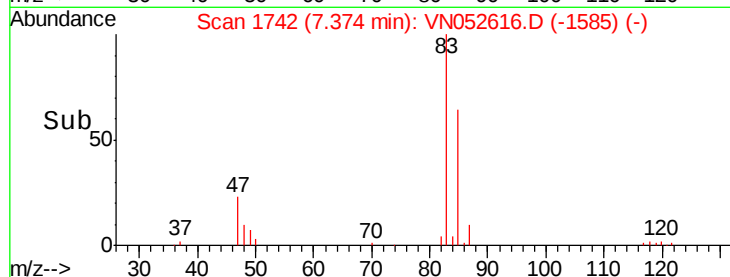
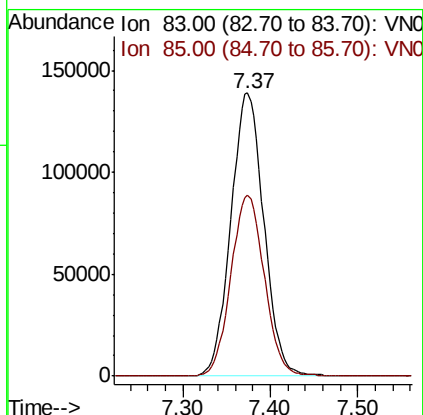
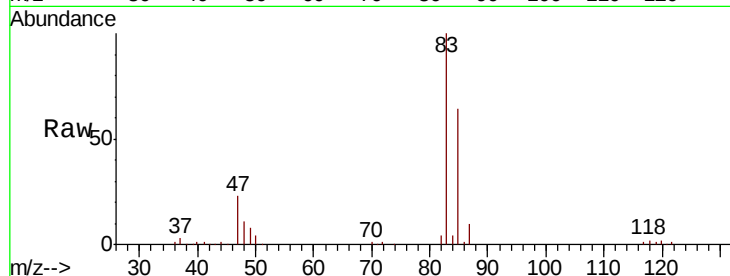




#25
Chloroform
Concen: 20.045 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

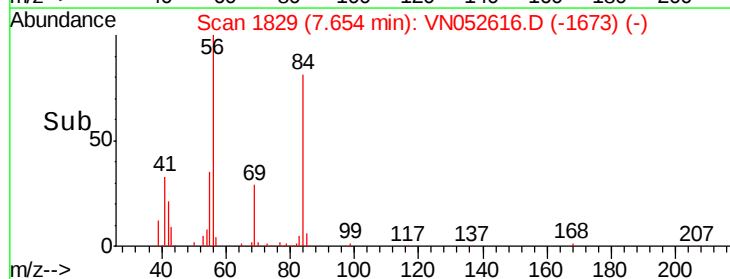
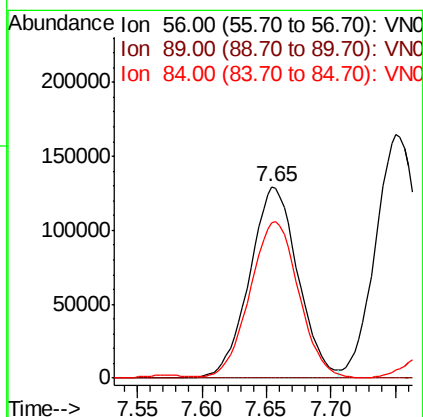
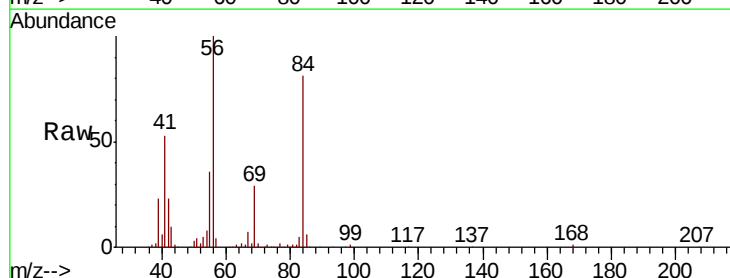
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

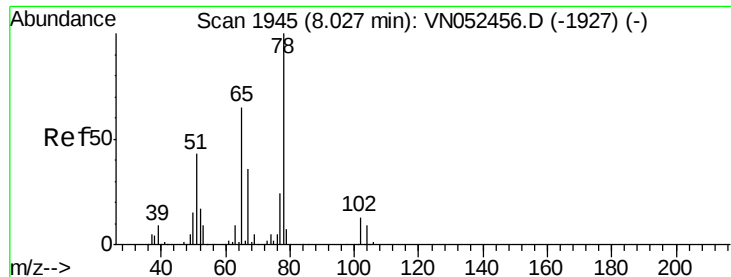
Tot Ion: 83 Resp: 364188
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5



#26
Cyclohexane
Concen: 19.030 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 56 Resp: 338025
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.0 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.030 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

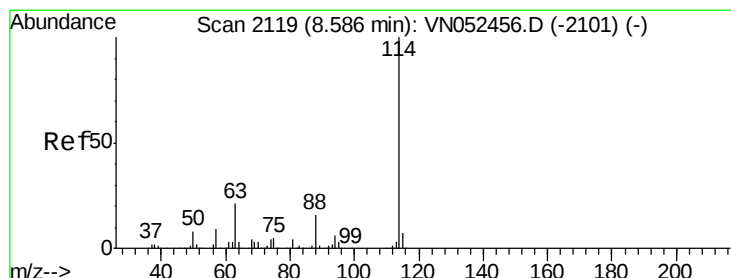
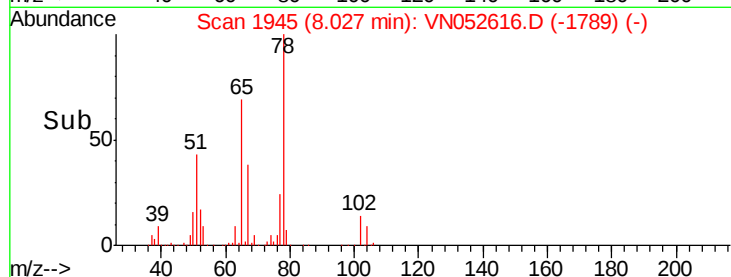
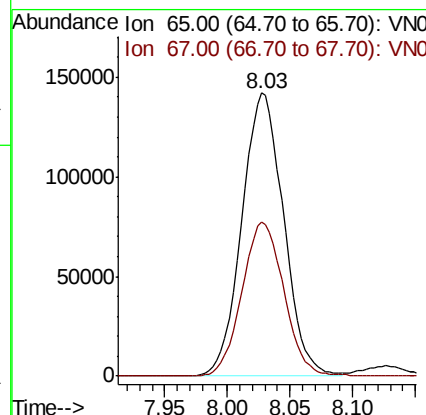
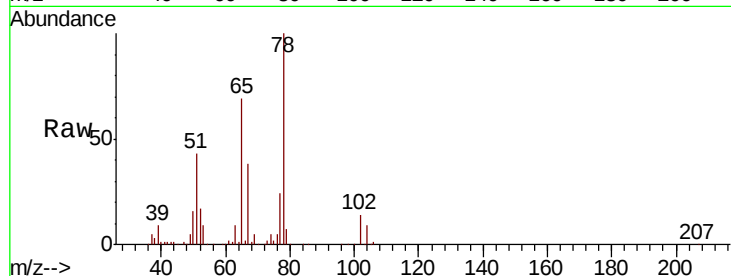
VSTDCCC020EC

Tot Ion: 65 Resp: 329402

Ion Ratio Lower Upper

65 100

67 54.6 44.6 66.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

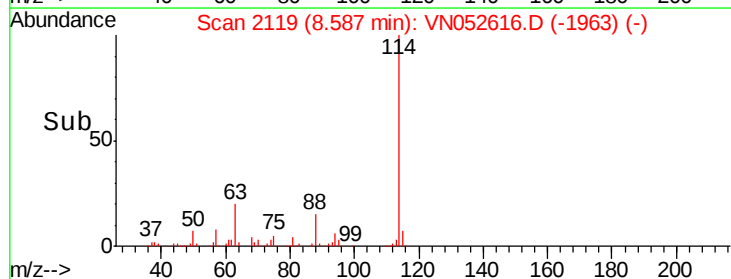
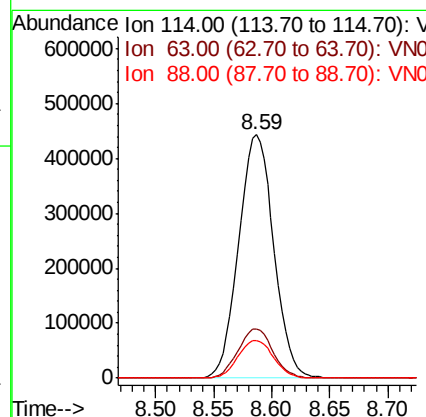
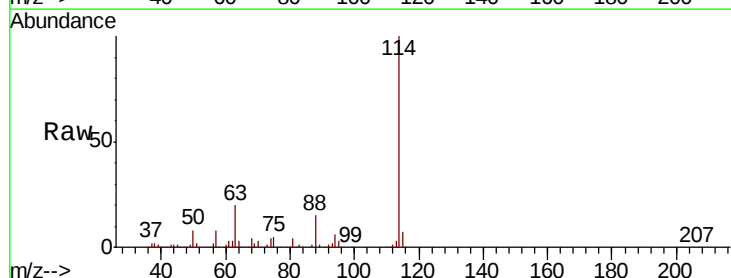
Tgt Ion: 114 Resp: 929081

Ion Ratio Lower Upper

114 100

63 20.3 16.9 25.3

88 15.6 12.8 19.2

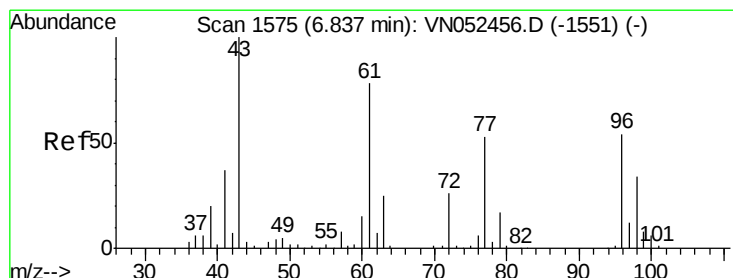
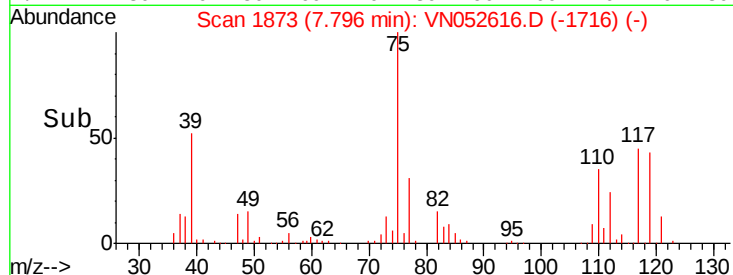
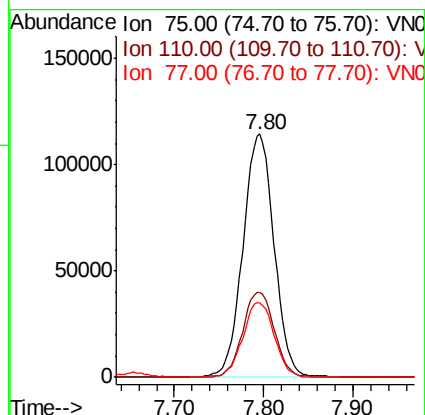
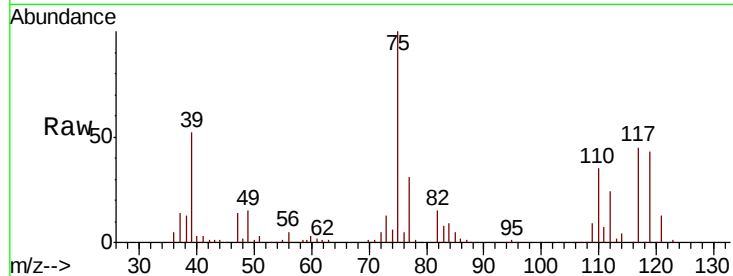




#29
 1,1-Dichloropropene
 Concen: 19.523 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

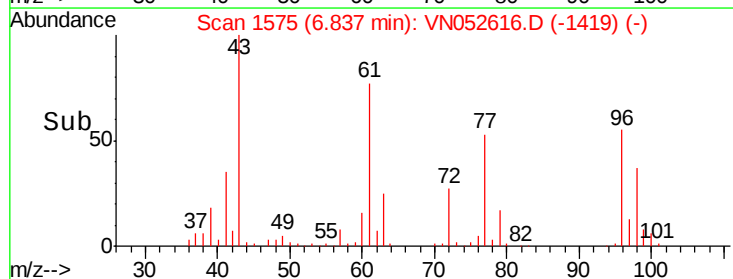
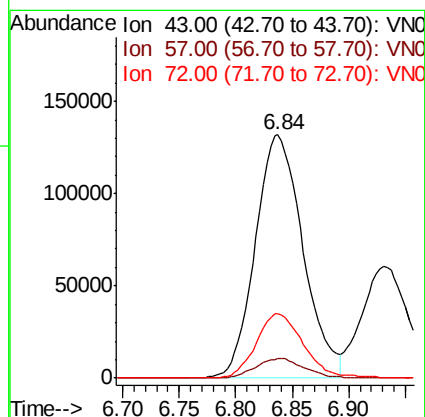
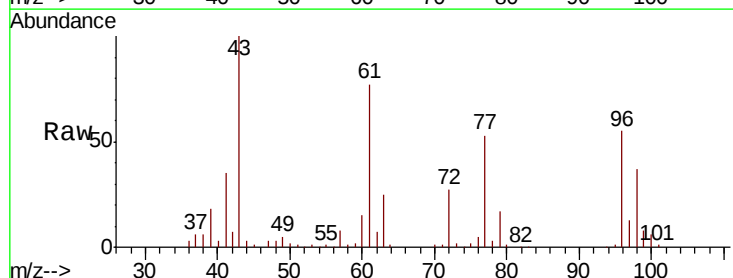
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

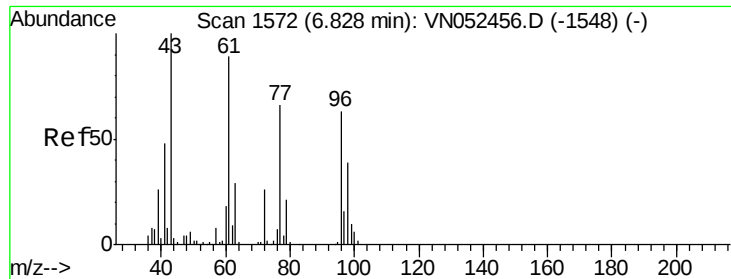
Tot Ion: 75 Resp: 276990
 Ion Ratio Lower Upper
 75 100
 110 35.7 0.0 70.2
 77 31.2 0.0 62.6



#30
 2-Butanone
 Concen: 101.179 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 384125
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.2 9.4
 72 26.5 21.0 31.6





#31

2,2-Dichloropropane

Concen: 19.040 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

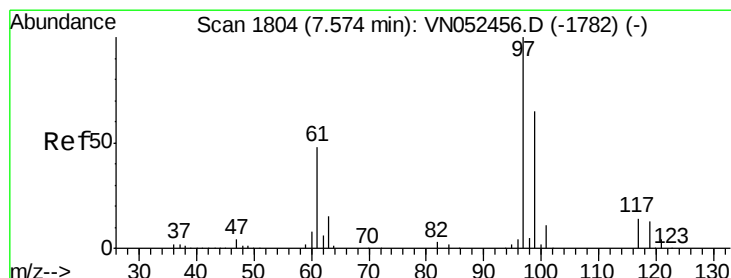
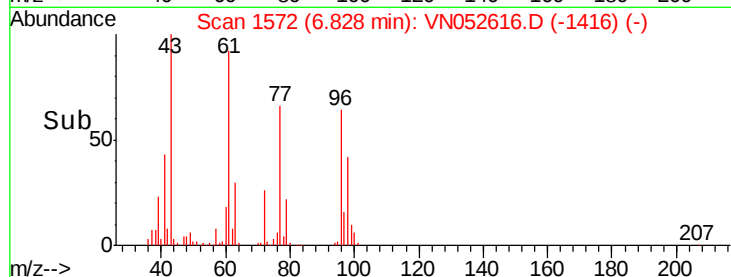
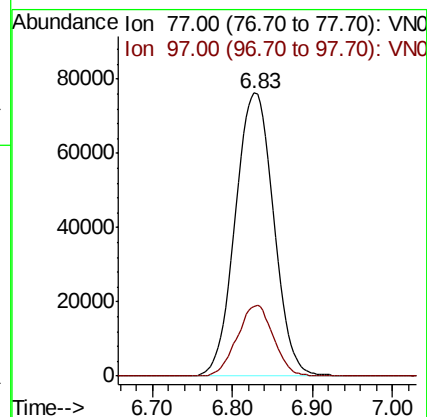
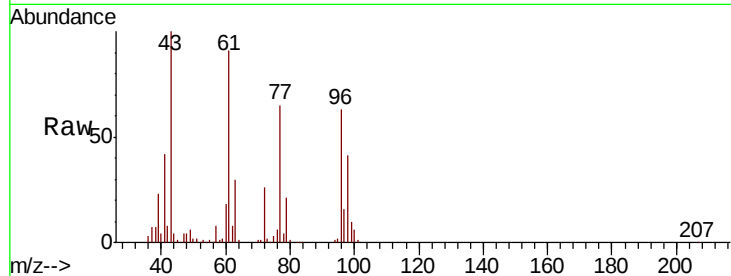
VSTDCCC020EC

Tot Ion: 77 Resp: 248691

Ion Ratio Lower Upper

77 100

97 23.6 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 20.430 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

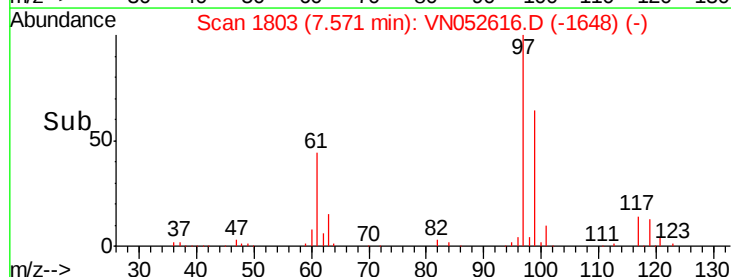
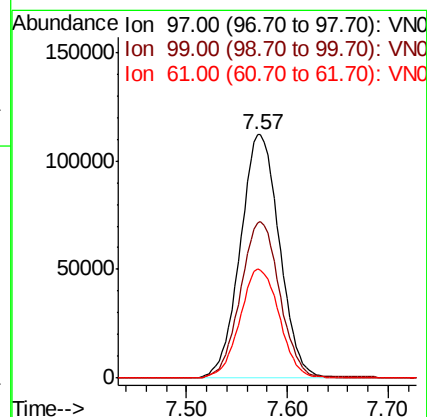
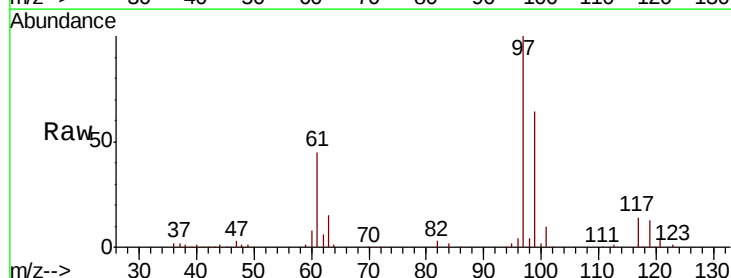
Tgt Ion: 97 Resp: 301609

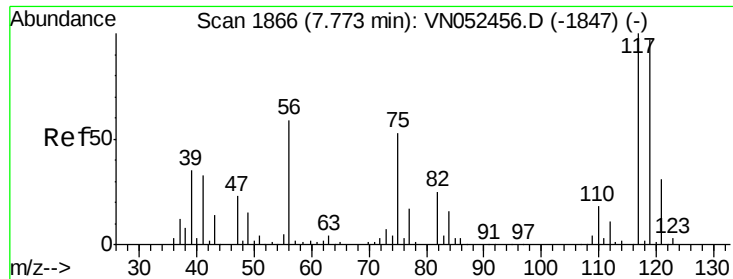
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 45.2 38.1 57.1

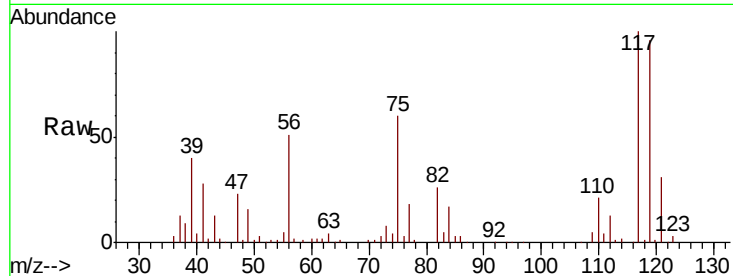




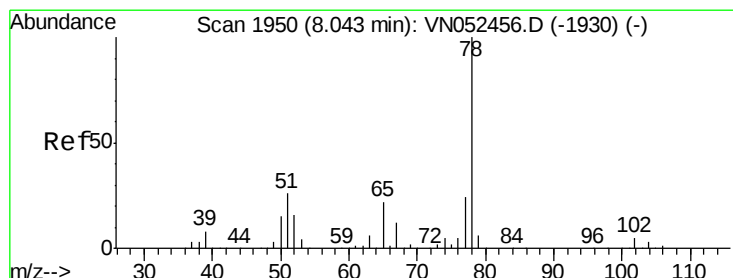
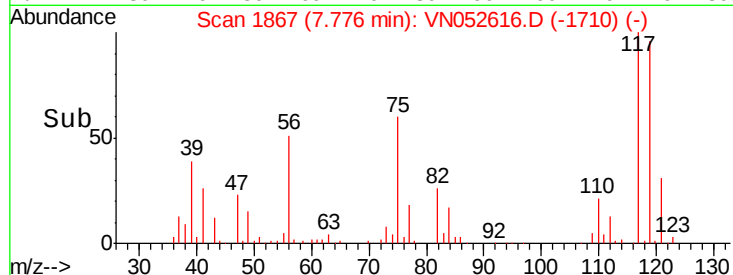
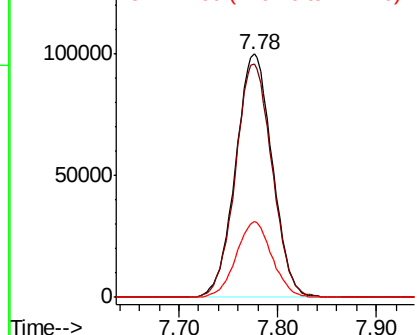
#33
Carbon Tetrachloride
Concen: 19.923 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 257346
Ion Ratio Lower Upper
117 100
119 96.1 77.3 115.9
121 31.1 24.9 37.3

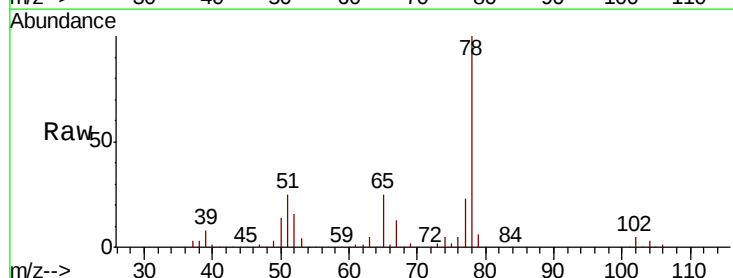


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

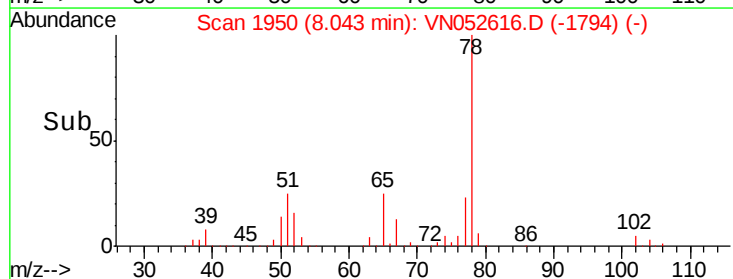
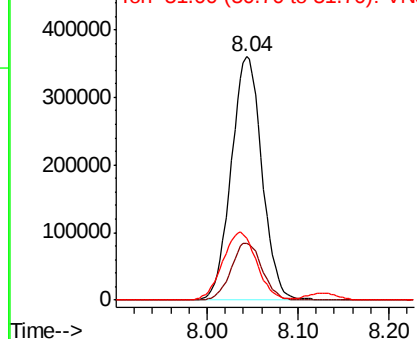


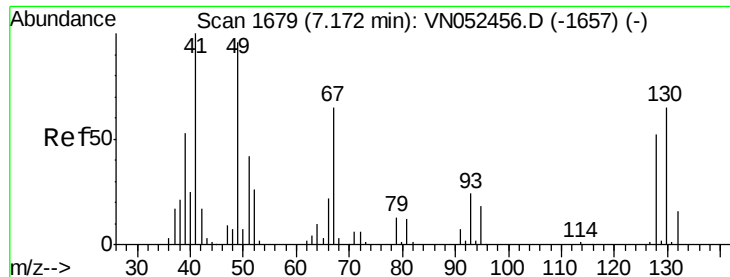
#34
Benzene
Concen: 19.819 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 78 Resp: 845431
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6
51 25.3 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

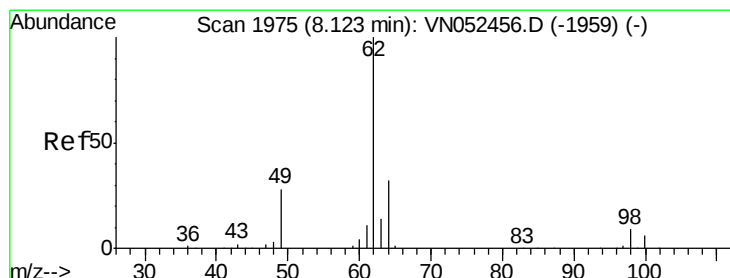
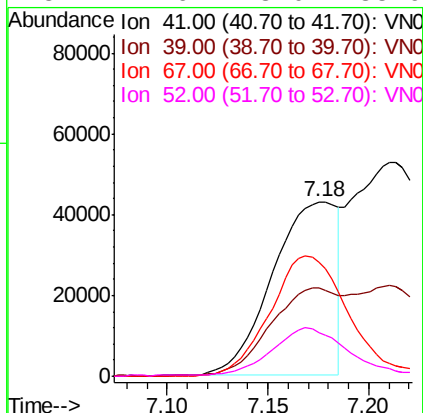
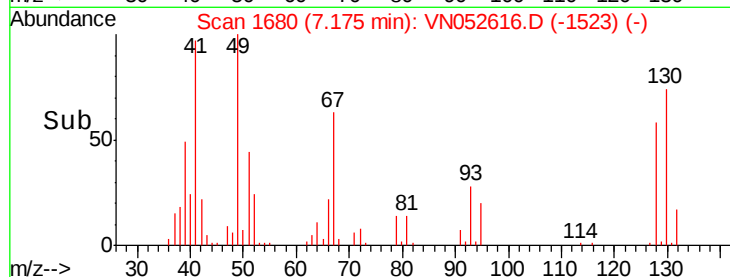
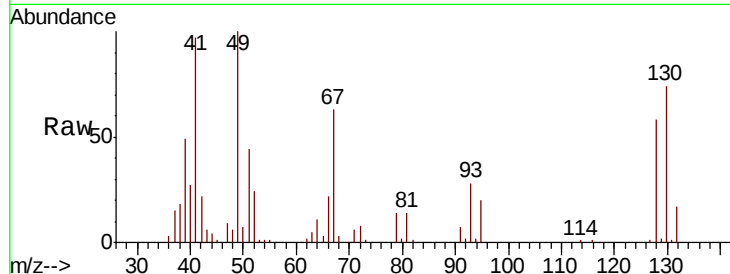




#35
Methacrylonitrile
Concen: 20.346 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

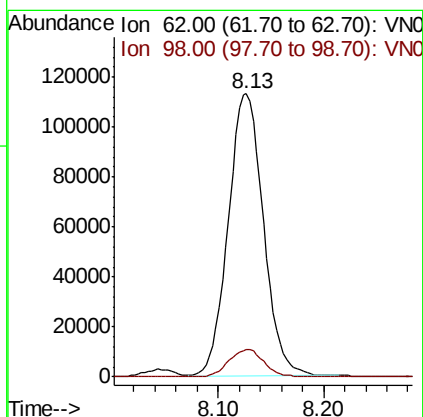
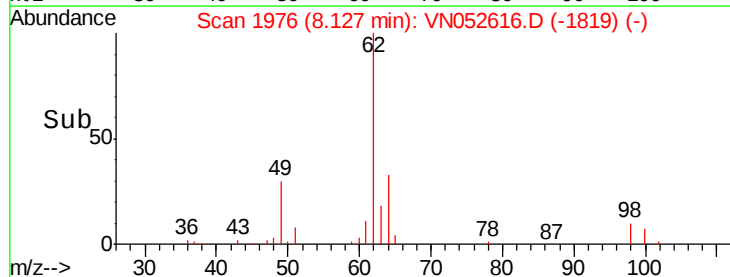
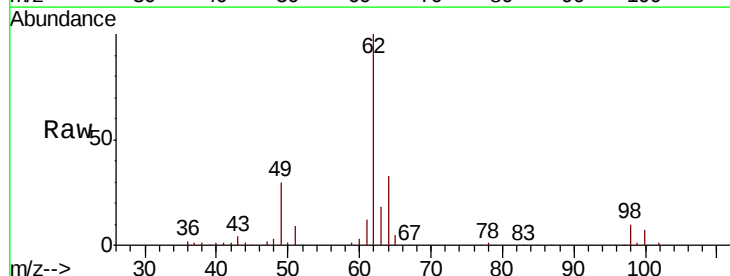
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

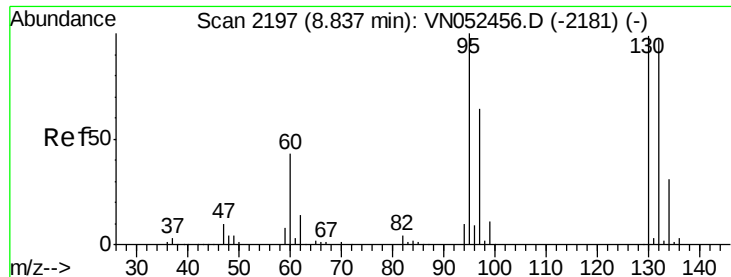
Tot Ion: 41 Resp: 95834
Ion Ratio Lower Upper
41 100
39 50.1 26.6 79.7
67 65.6 32.3 96.9
52 24.6 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.222 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 62 Resp: 261391
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2

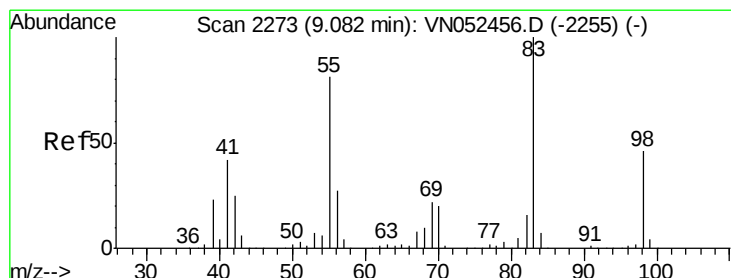
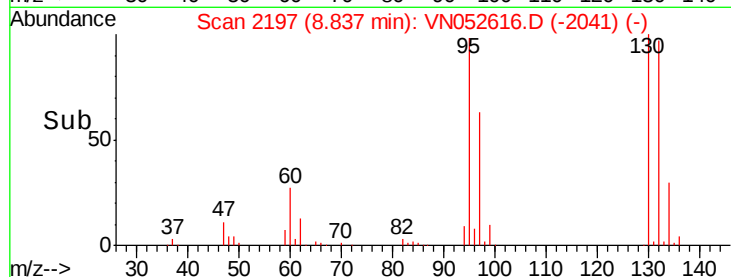
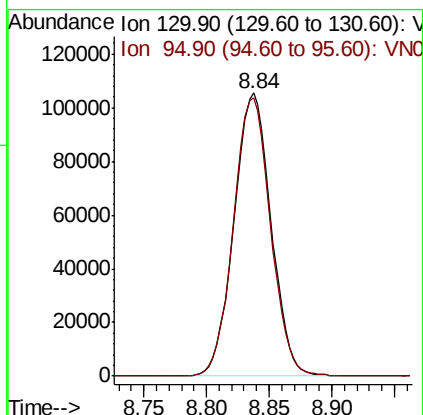
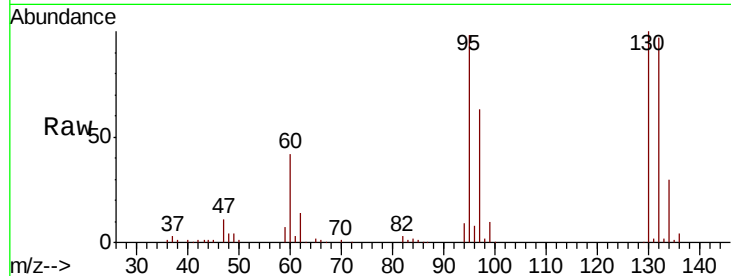




#37
 Trichloroethene
 Concen: 20.042 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

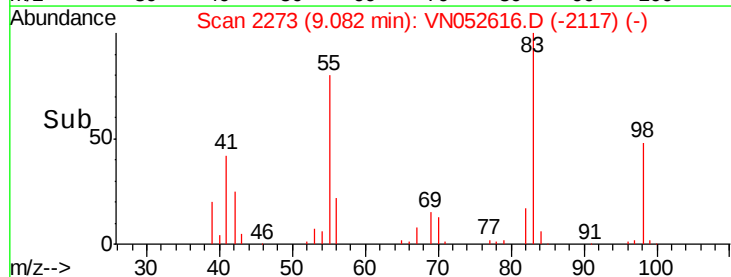
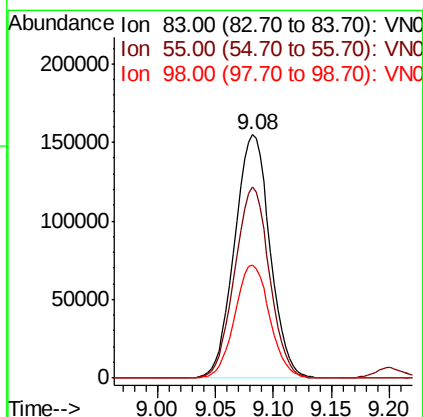
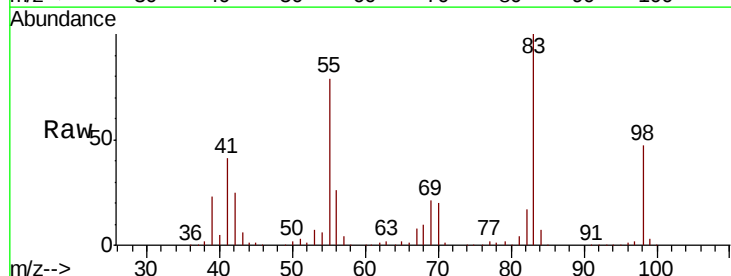
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

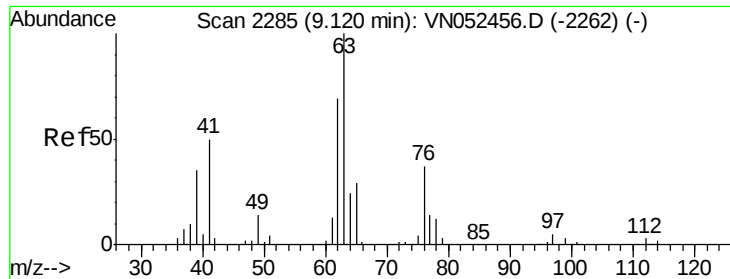
Tot Ion:130 Resp: 216786
 Ion Ratio Lower Upper
 130 100
 95 98.2 81.0 121.4



#38
 Methylcyclohexane
 Concen: 18.720 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 83 Resp: 328793
 Ion Ratio Lower Upper
 83 100
 55 77.1 39.8 119.4
 98 45.8 22.9 68.5

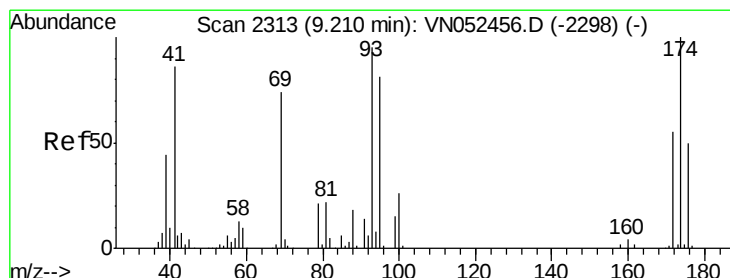
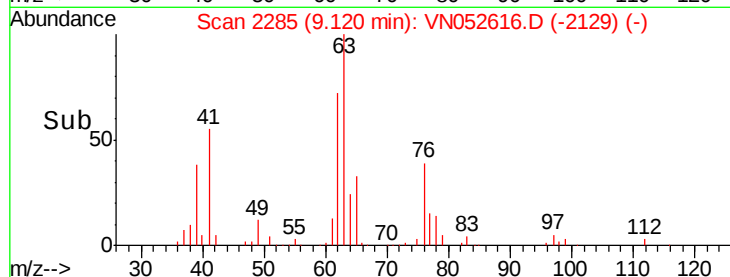
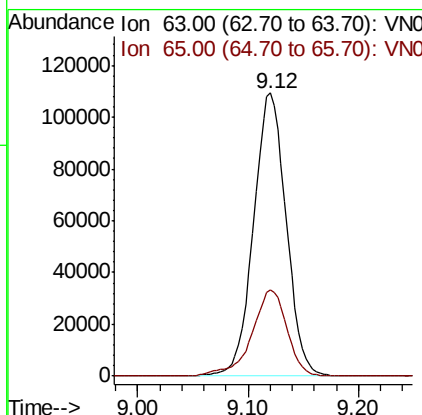
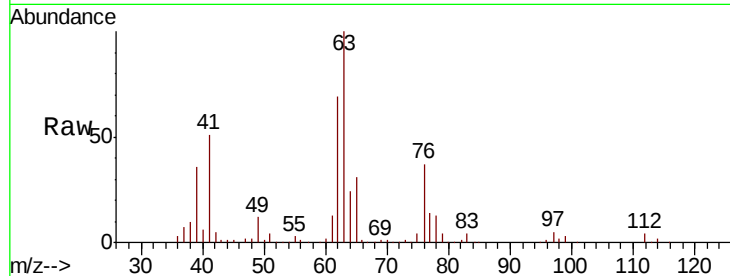




#39
 1,2-Dichloropropane
 Concen: 19.652 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

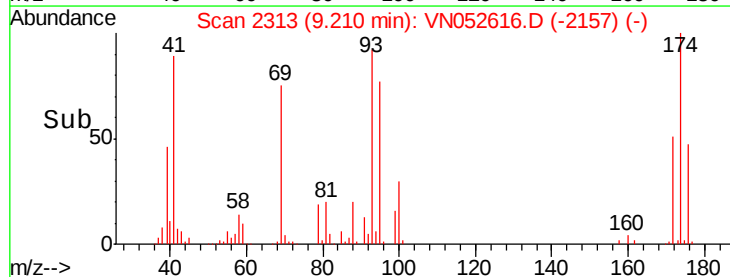
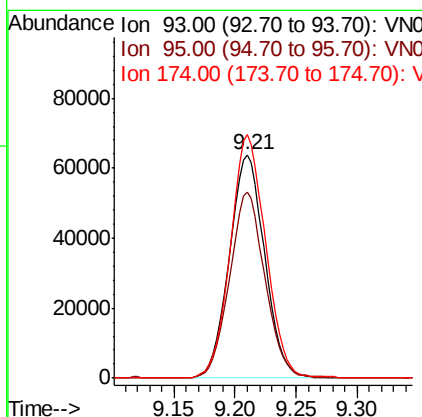
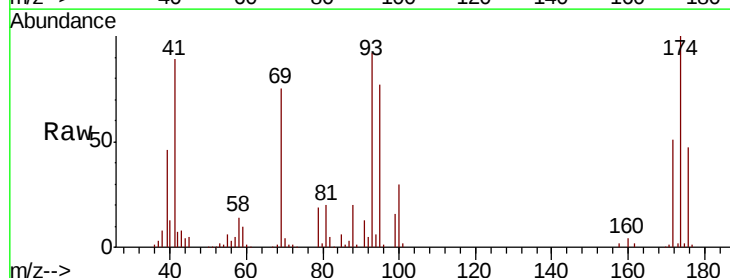
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

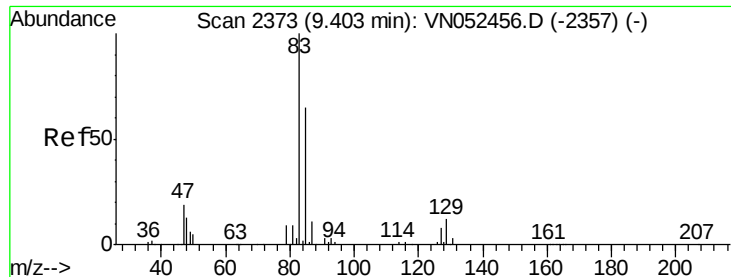
Tot Ion: 63 Resp: 224709
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4



#40
 Dibromomethane
 Concen: 20.783 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 93 Resp: 128421
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 168.4
 174 108.6 0.0 210.0





#41

Bromodichloromethane

Concen: 19.679 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

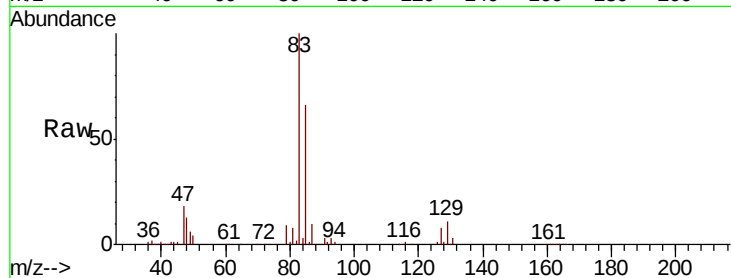
Tot Ion: 83 Resp: 268656

Ion Ratio Lower Upper

83 100

85 65.7 52.4 78.6

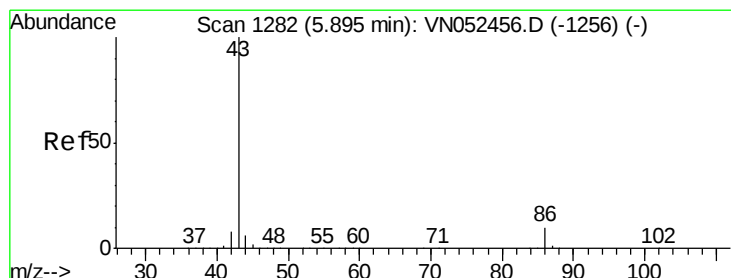
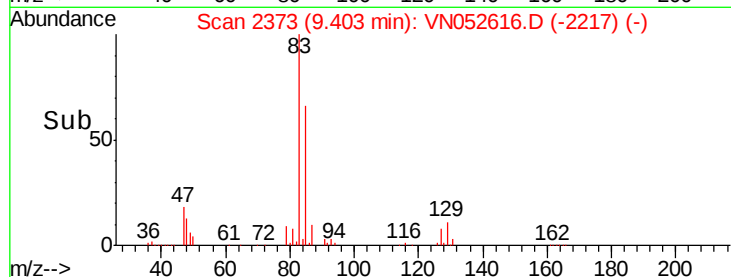
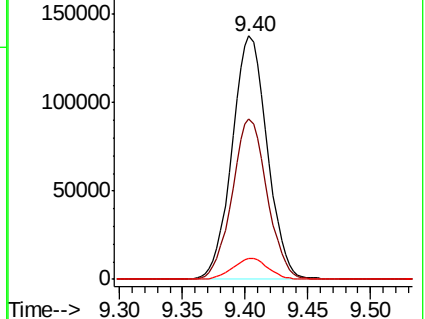
127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 101.038 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052616.D

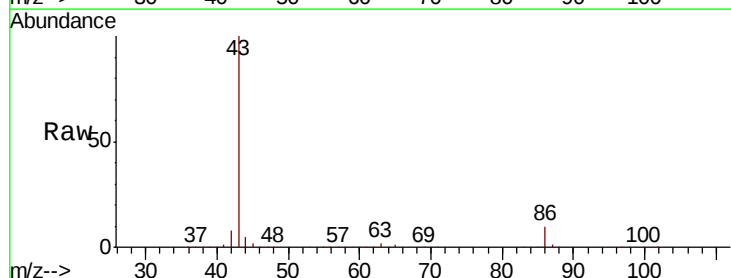
Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 2075454

Ion Ratio Lower Upper

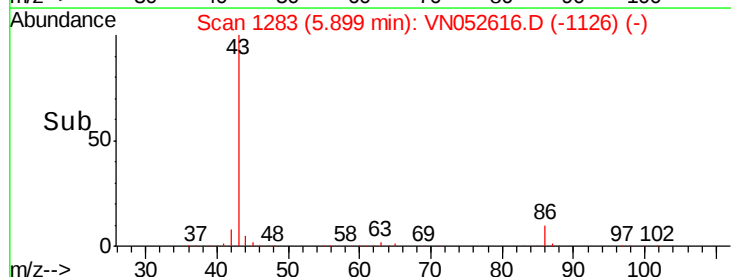
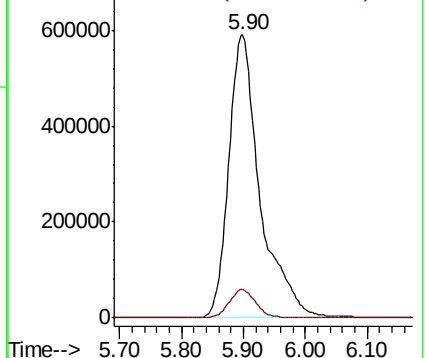
43 100

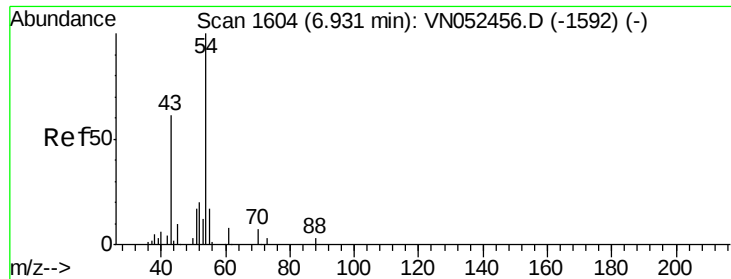
86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

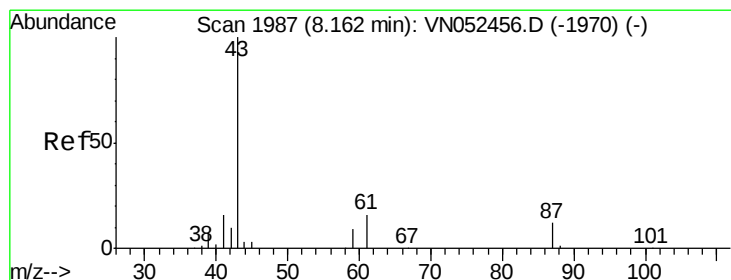
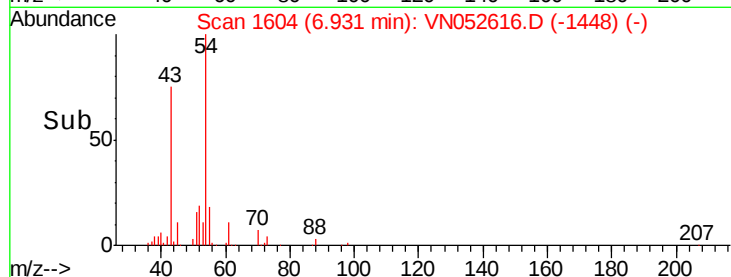
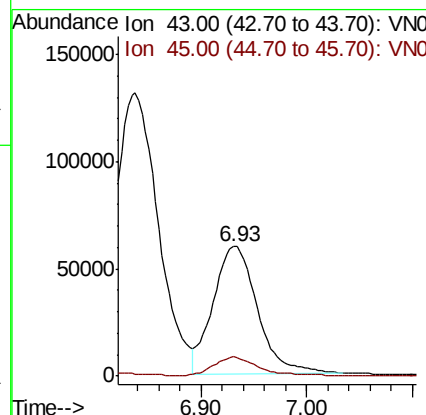
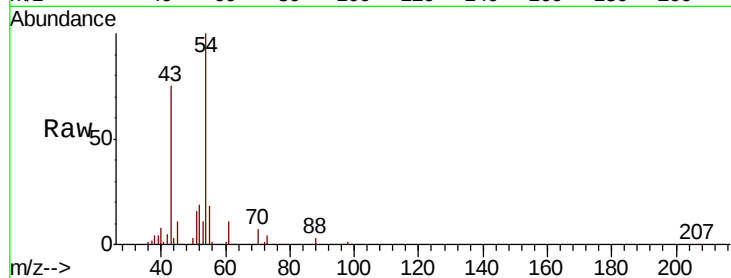




#43
Ethyl Acetate
Concen: 21.504 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

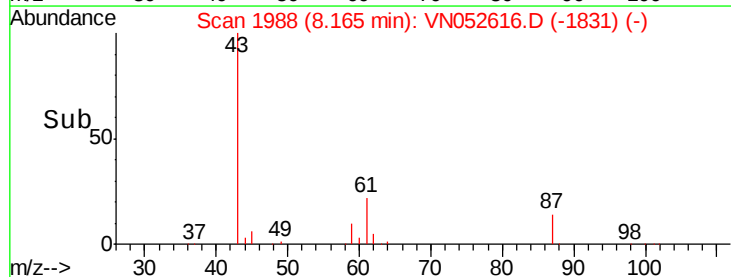
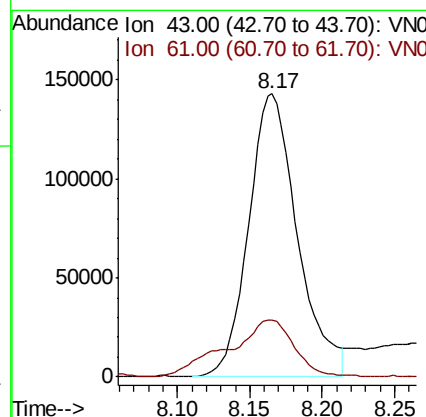
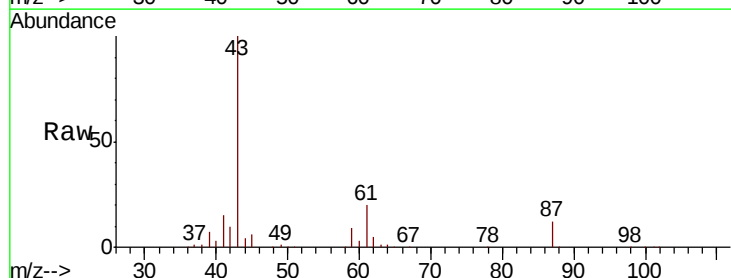
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

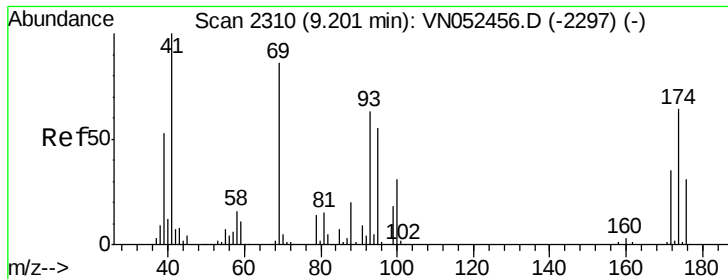
Tot Ion: 43 Resp: 173595
Ion Ratio Lower Upper
43 100
45 13.7 1.0 1.6#



#44
Isopropyl Acetate
Concen: 23.421 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 331603
Ion Ratio Lower Upper
43 100
61 19.0 16.0 24.0





#45

1,4-Dioxane

Concen: 477.534 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

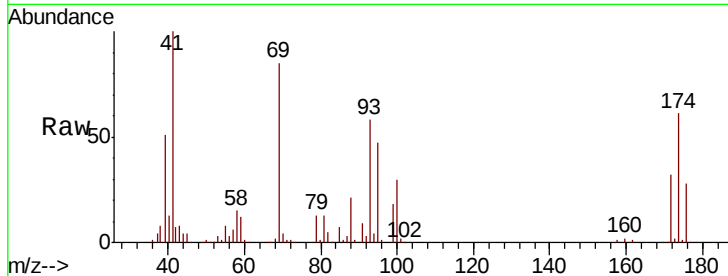
Tot Ion: 88 Resp: 36987

Ion Ratio Lower Upper

88 100

43 33.5 29.5 44.3

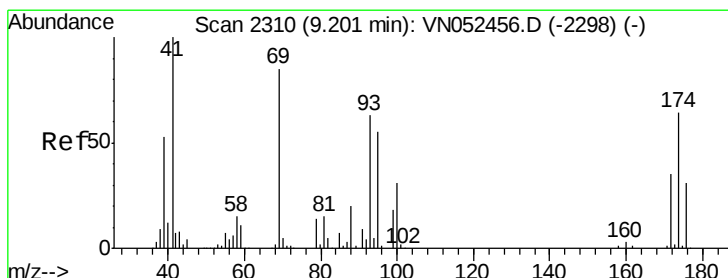
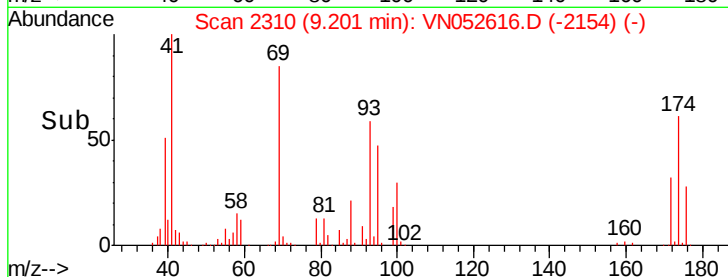
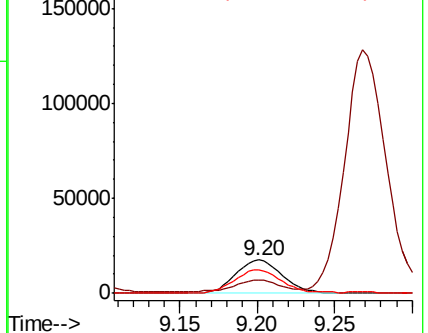
58 72.4 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 21.219 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

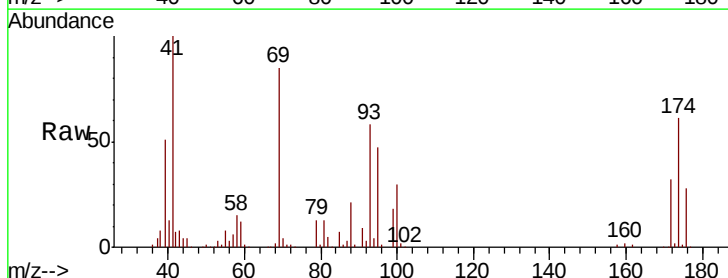
Tgt Ion: 41 Resp: 155987

Ion Ratio Lower Upper

41 100

69 85.5 42.5 127.6

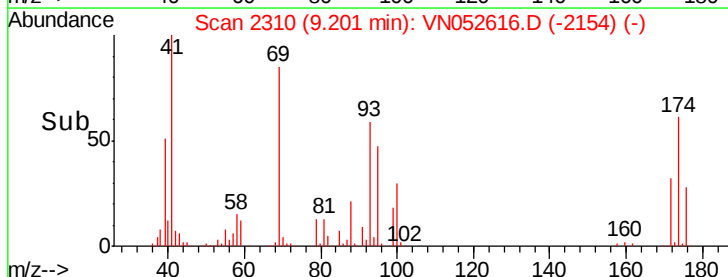
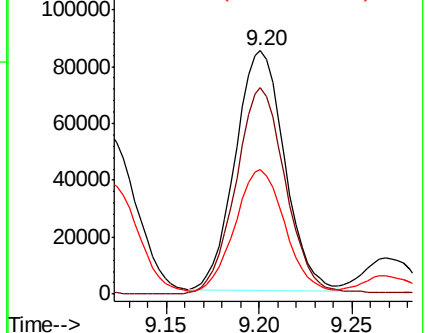
39 50.8 26.3 78.9

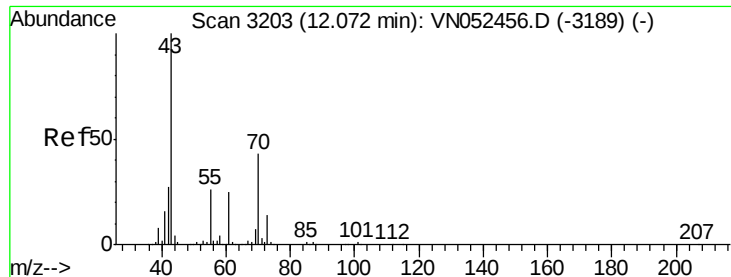


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

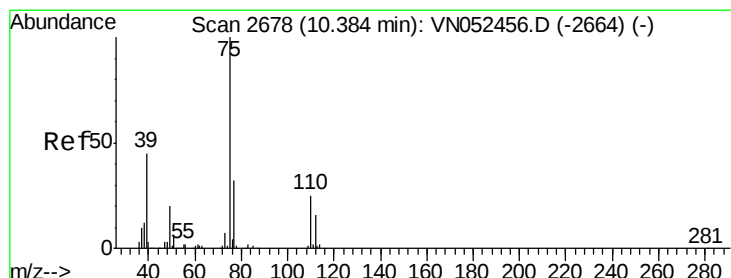
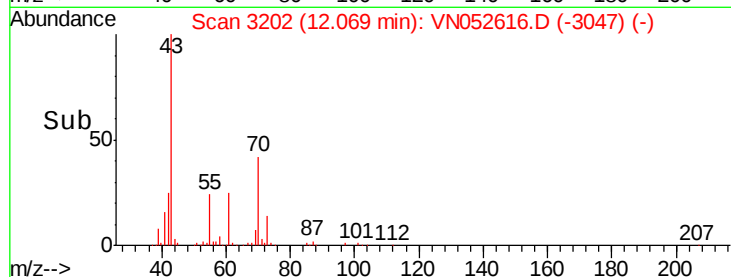
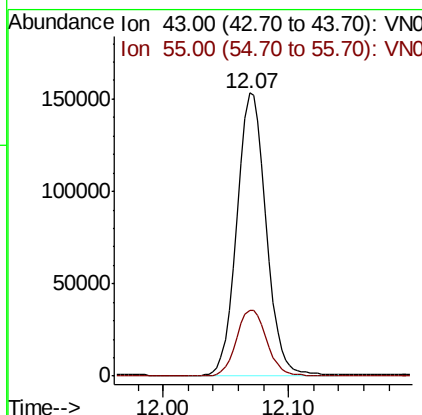
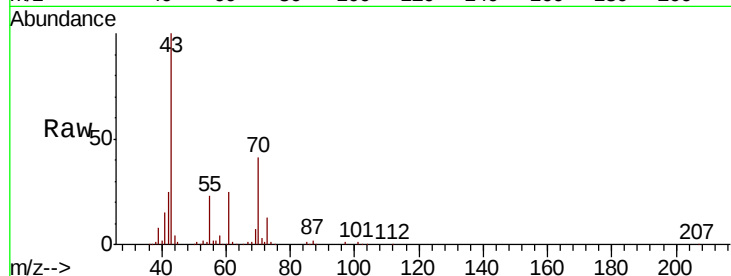




#47
n-amvl Acetate
Concen: 21.126 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

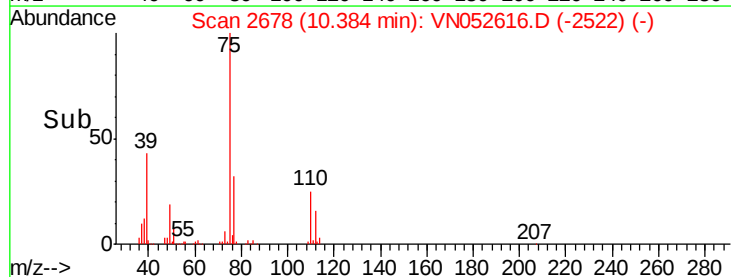
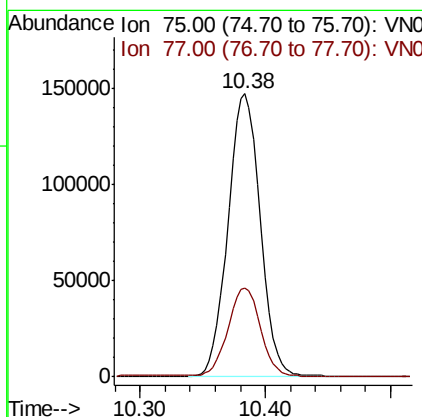
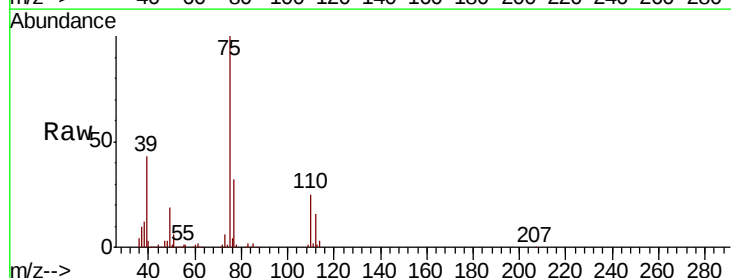
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

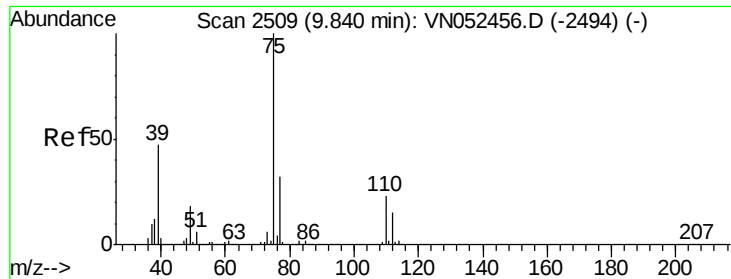
Tot Ion: 43 Resp: 247993
Ion Ratio Lower Upper
43 100
55 24.6 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.948 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 75 Resp: 264052
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.456 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

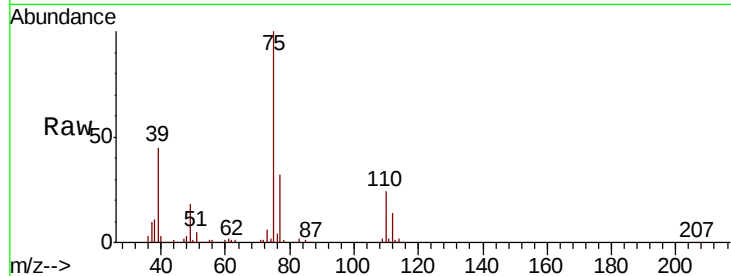
Tot Ion: 75 Resp: 313769

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

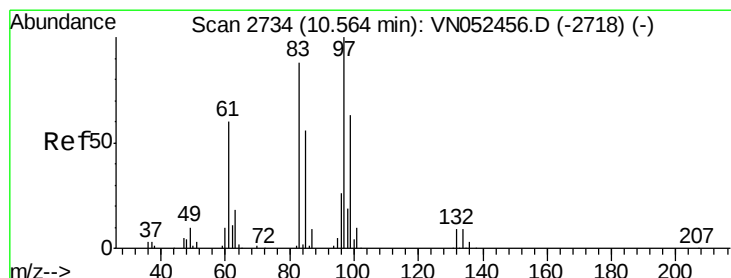
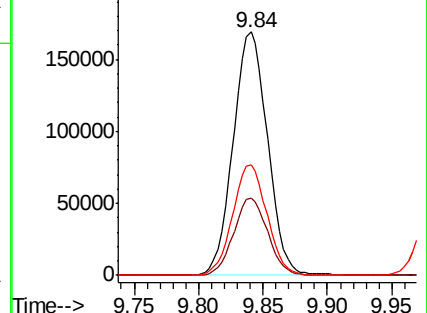
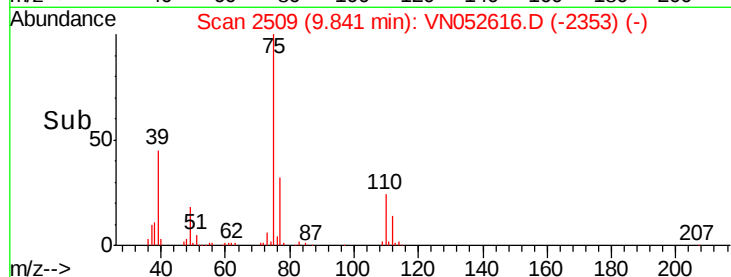
39 45.1 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 20.968 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Tgt Ion: 97 Resp: 183656

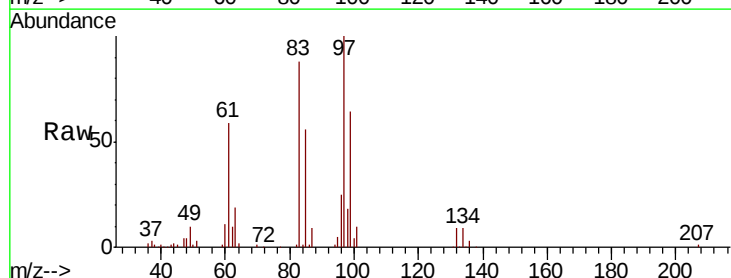
Ion Ratio Lower Upper

97 100

83 88.1 70.4 105.6

85 56.3 45.0 67.6

99 63.7 50.2 75.2

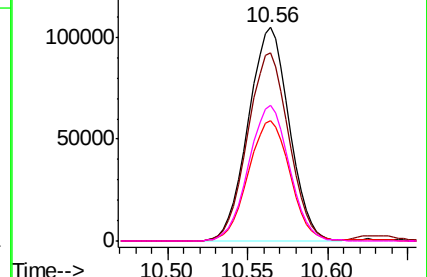
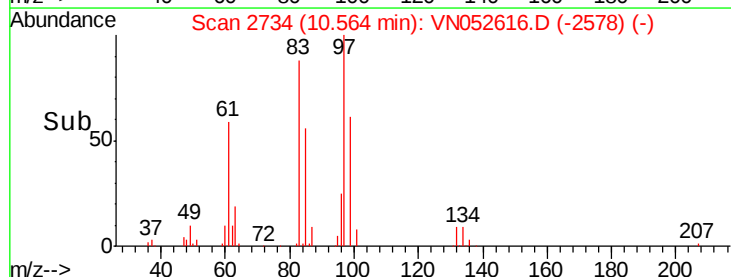


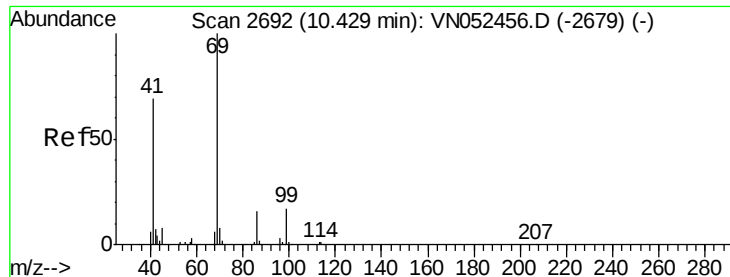
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 21.222 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

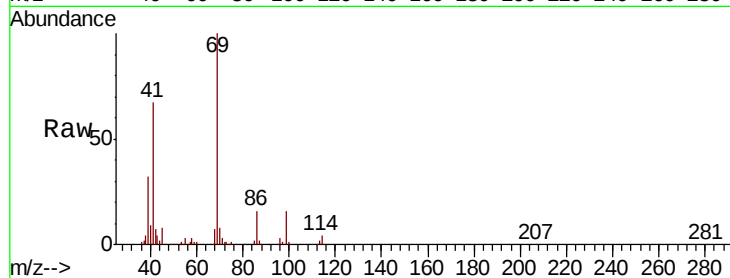
Tot Ion: 69 Resp: 233454

Ion Ratio Lower Upper

69 100

41 66.4 34.4 103.3

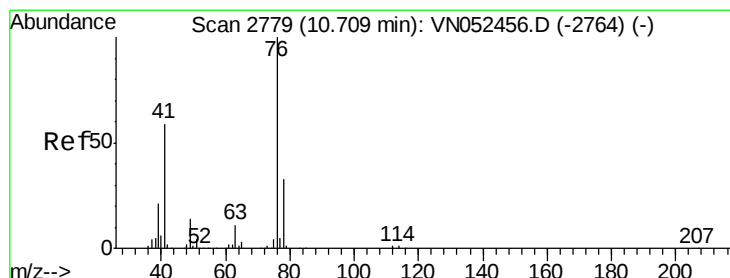
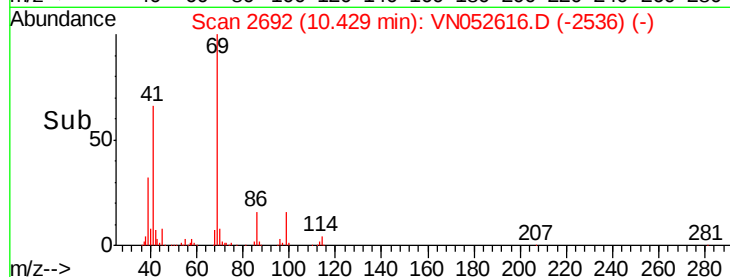
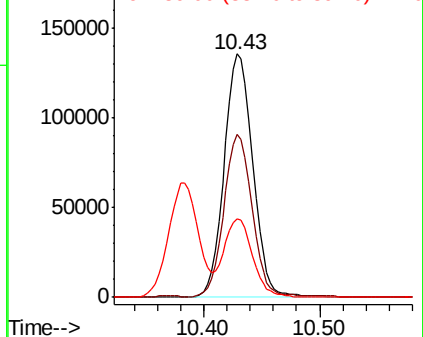
39 31.8 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.495 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052616.D

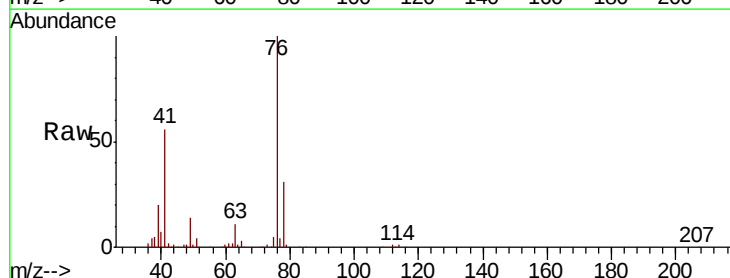
Acq: 30 Nov 2018 19:21

Tgt Ion: 76 Resp: 319531

Ion Ratio Lower Upper

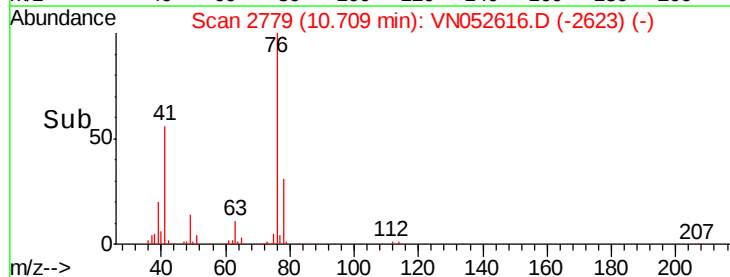
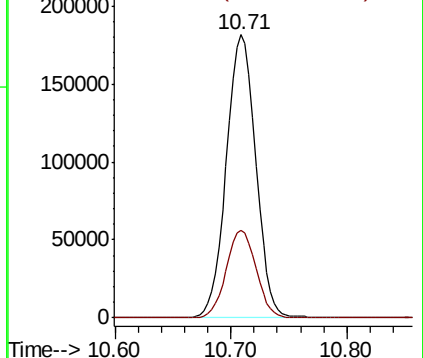
76 100

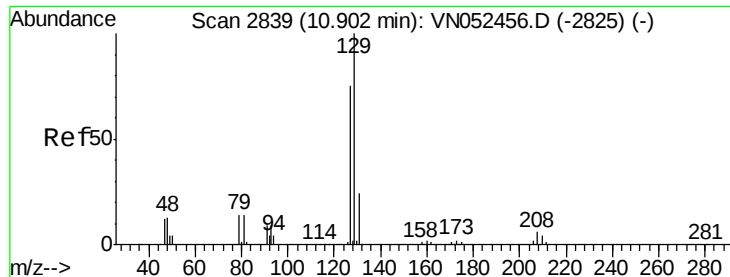
78 31.5 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.331 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

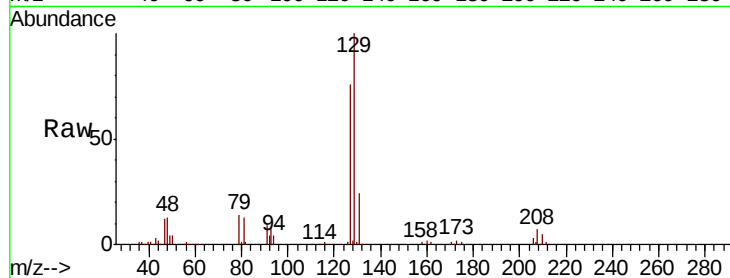
VSTDCCC020EC

Tot Ion:129 Resp: 196055

Ion Ratio Lower Upper

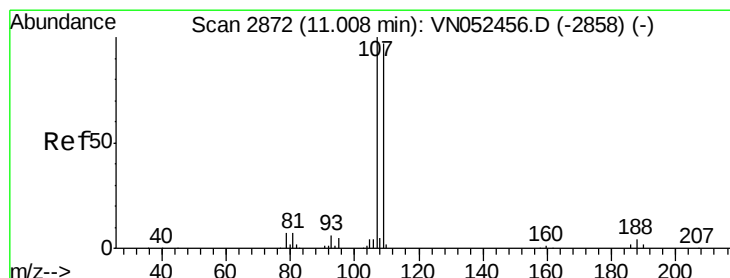
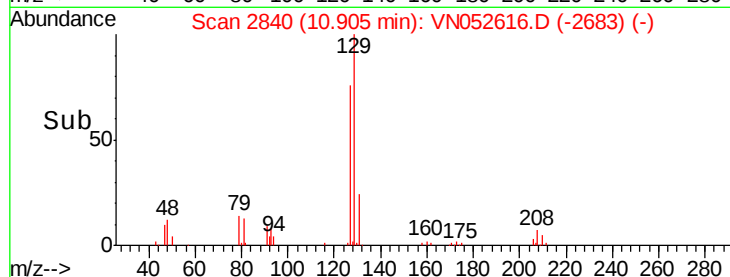
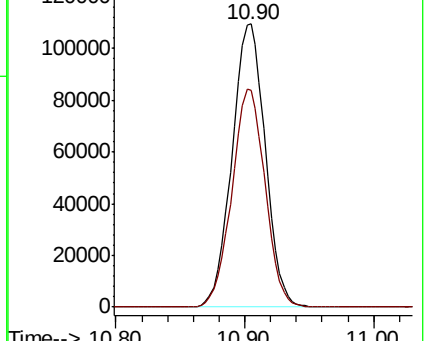
129 100

127 76.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.971 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052616.D

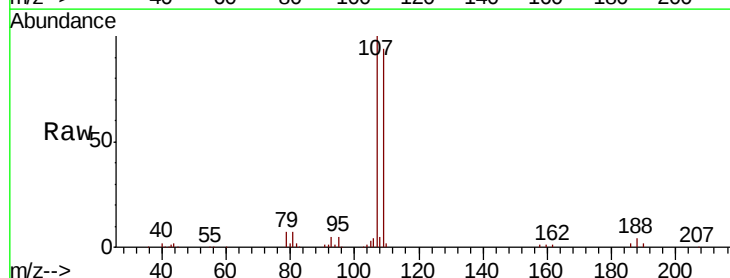
Acq: 30 Nov 2018 19:21

Tgt Ion:107 Resp: 179486

Ion Ratio Lower Upper

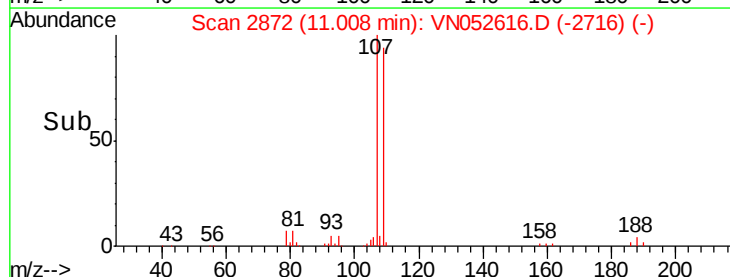
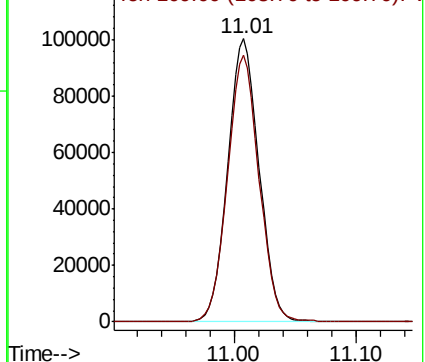
107 100

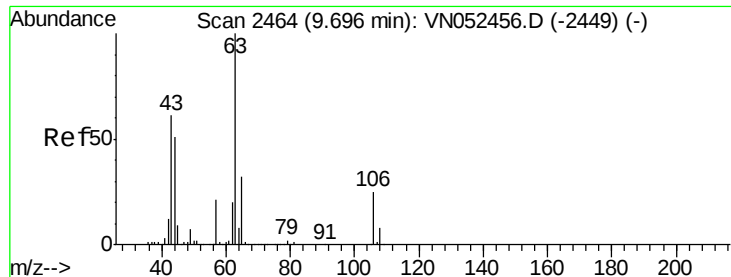
109 94.8 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

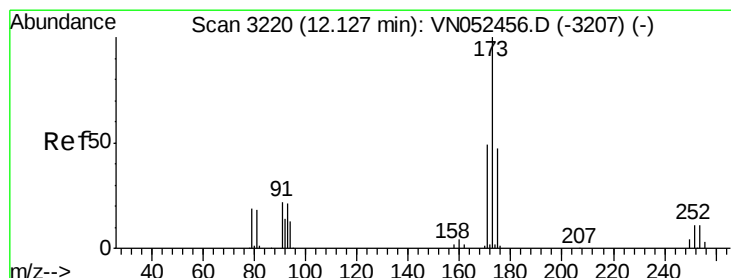
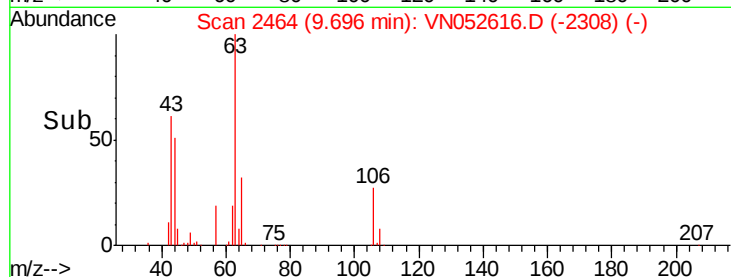
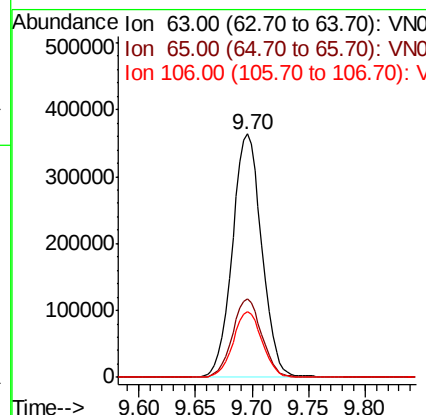
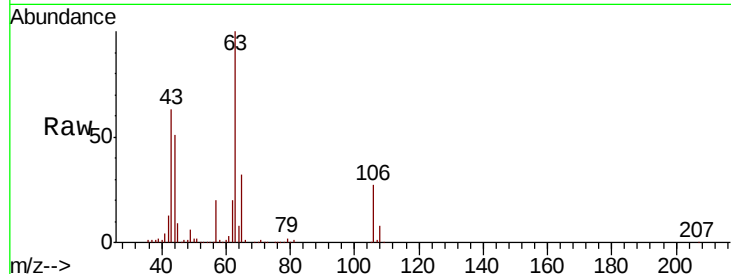




#55
 2-Chloroethyl vinyl ether
 Concen: 102.081 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

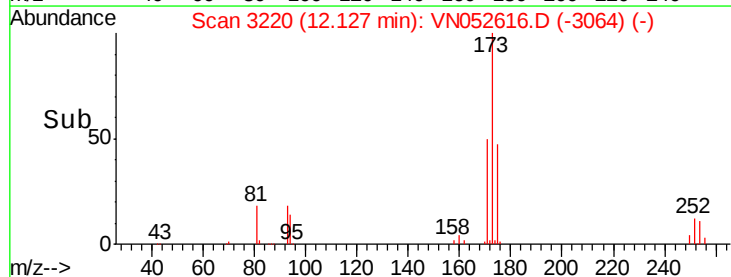
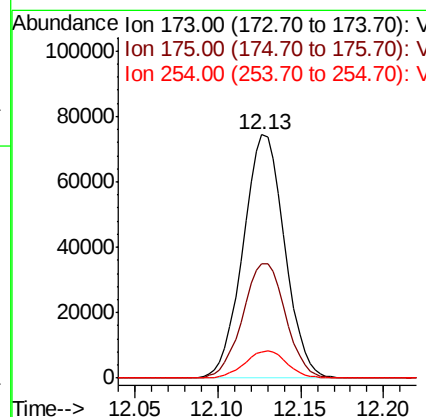
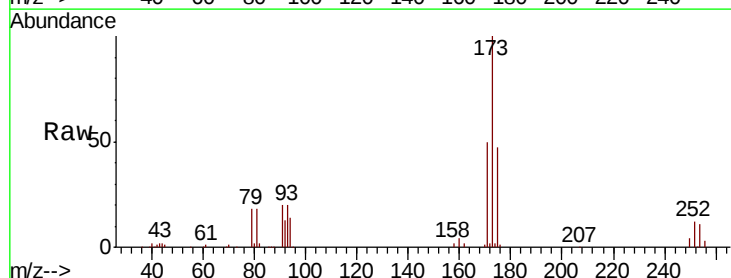
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

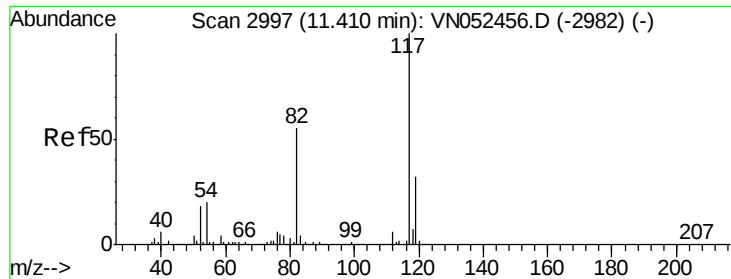
Tot Ion: 63 Resp: 657329
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 26.6 20.4 30.6



#56
 Bromoform
 Concen: 20.598 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion: 173 Resp: 129829
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.7 58.1
 254 11.4 8.4 12.6

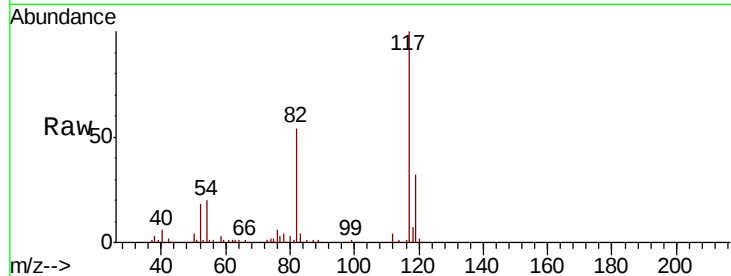




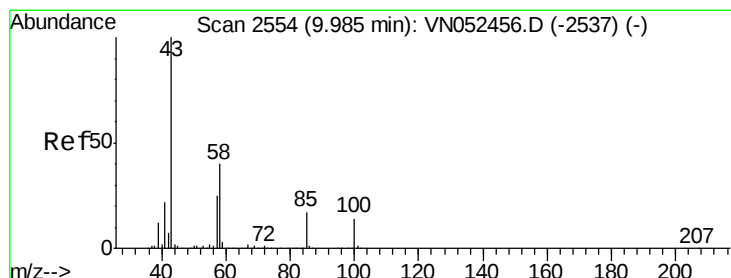
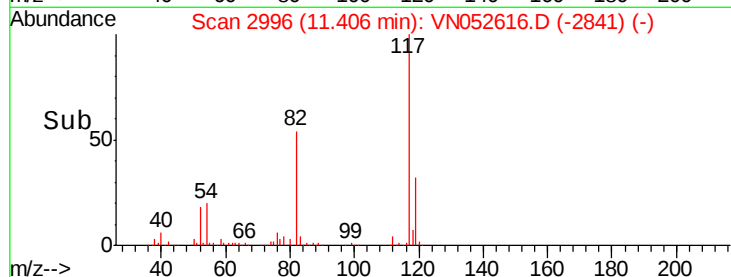
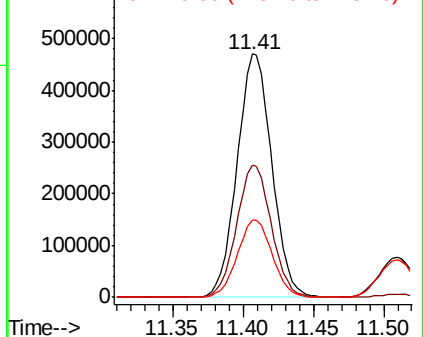
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 813348
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.0 25.4 38.2

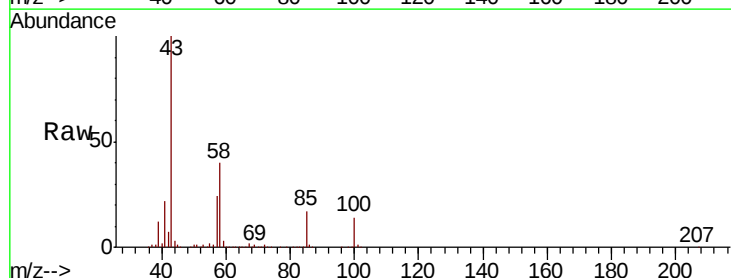


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

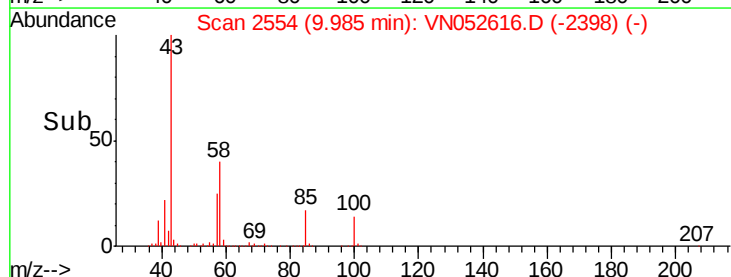
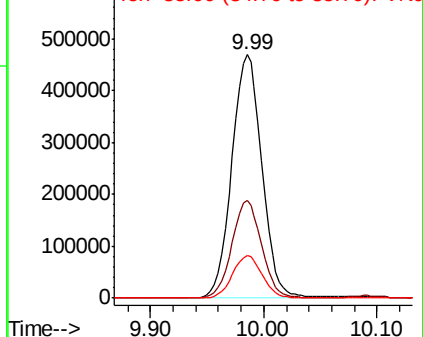


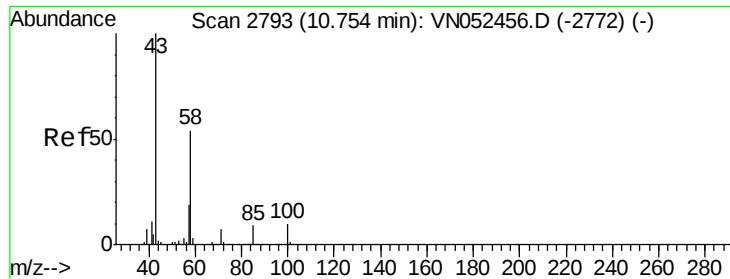
#58
4-Methyl-2-Pentanone
Concen: 109.837 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 43 Resp: 866085
Ion Ratio Lower Upper
43 100
58 39.7 31.6 47.4
85 17.3 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

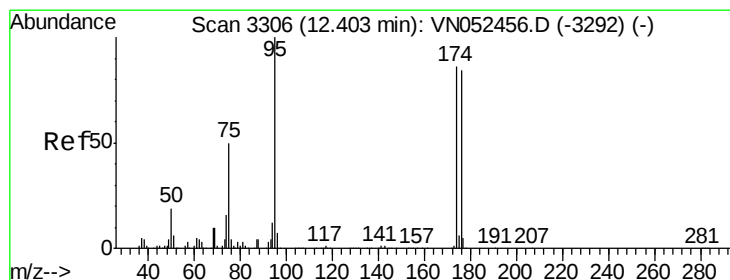
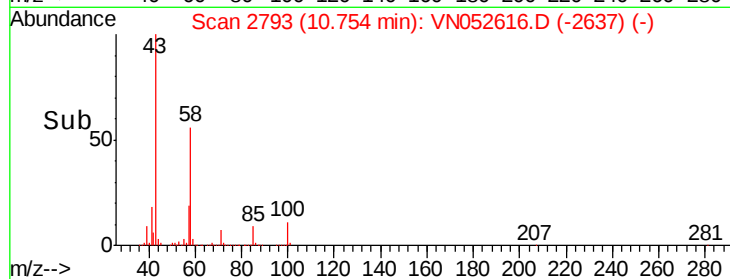
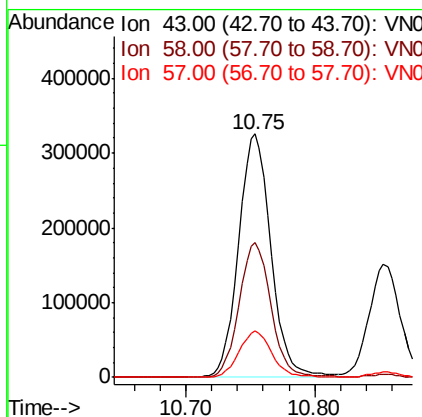
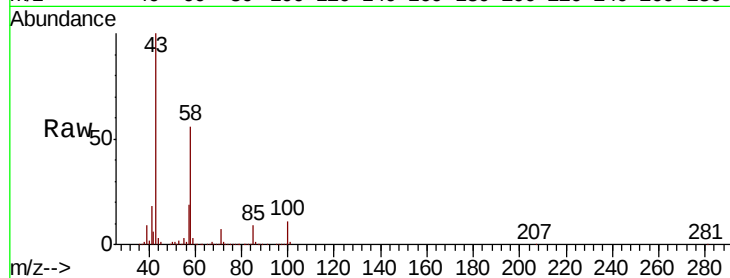




#59
2-Hexanone
Concen: 105.226 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

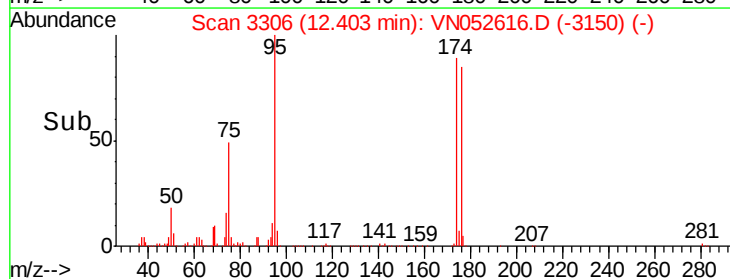
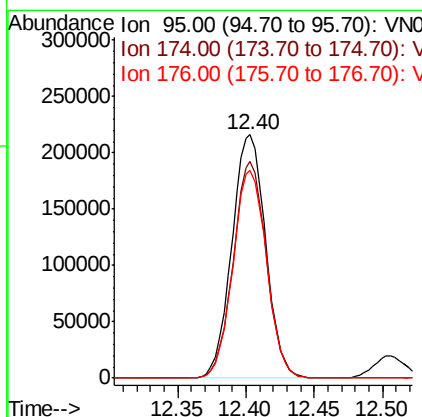
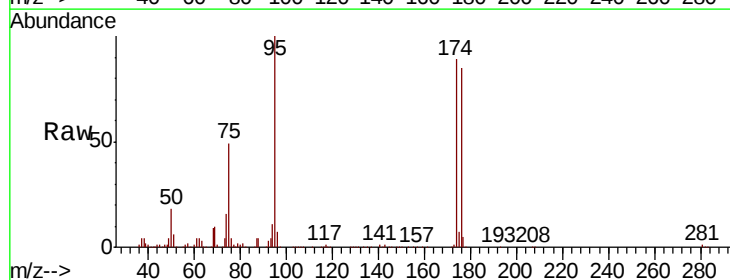
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

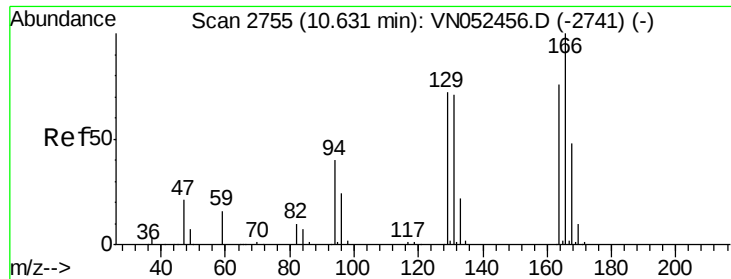
Tot Ion: 43 Resp: 566798
Ion Ratio Lower Upper
43 100
58 54.9 43.2 64.8
57 19.4 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 105.226 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 95 Resp: 371044
Ion Ratio Lower Upper
95 100
174 87.2 67.9 101.9
176 84.9 66.4 99.6

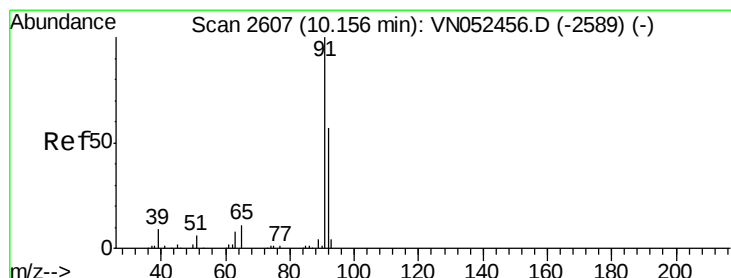
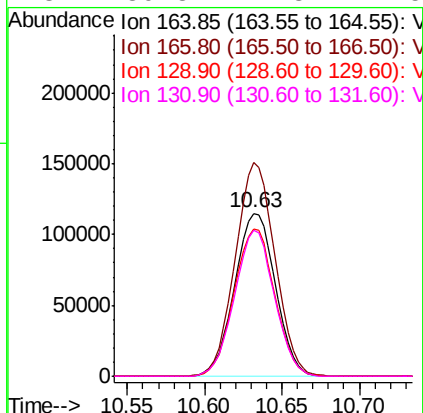
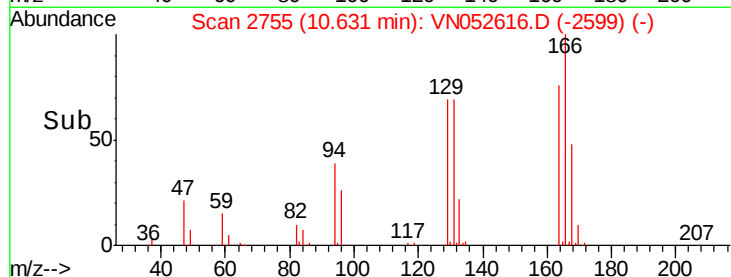
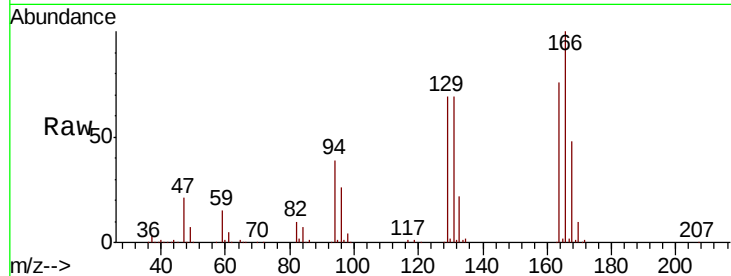




#61
Tetrachloroethene
Concen: 21.066 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

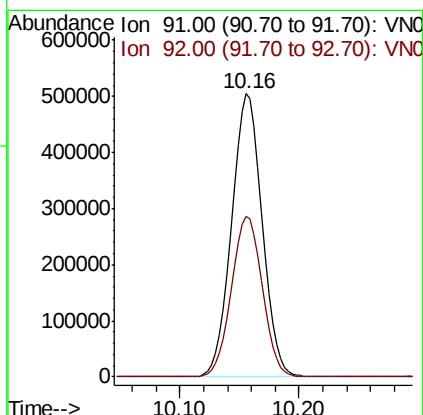
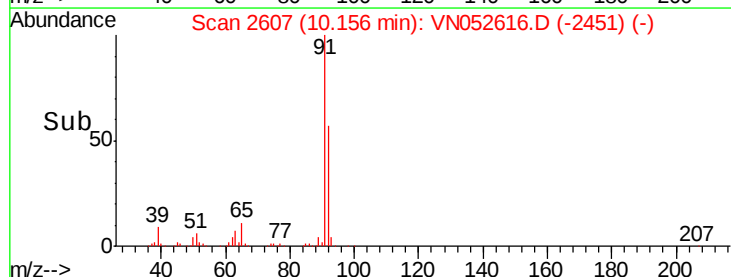
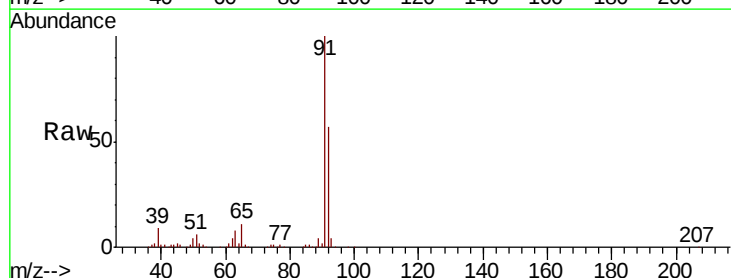
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

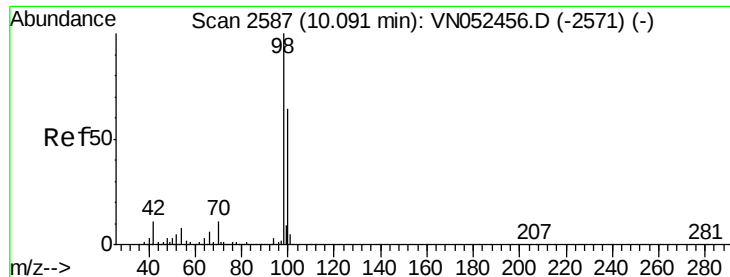
Tot Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	157.0
129	90.3	75.3	112.9
131	89.8	74.3	111.5



#62
Toluene
Concen: 20.000 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.4	68.2





#63

Toluene-d8

Concen: 20.000 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

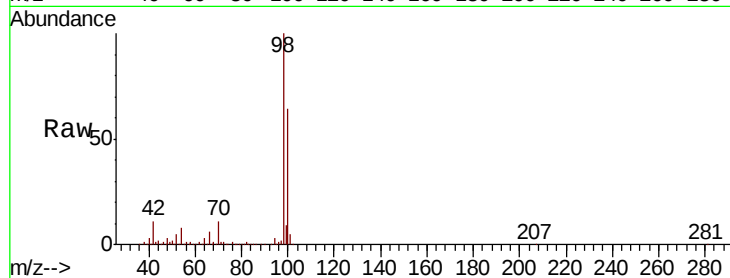
VSTDCCC020EC

Tot Ion: 98 Resp: 1115104

Ion Ratio Lower Upper

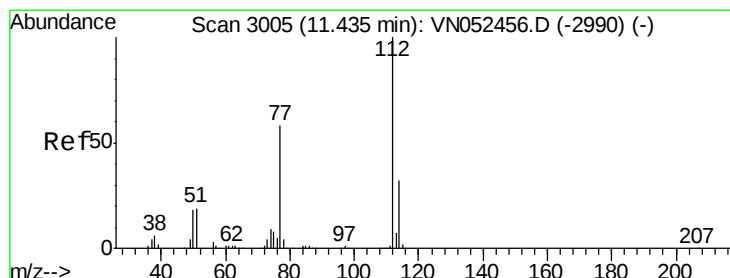
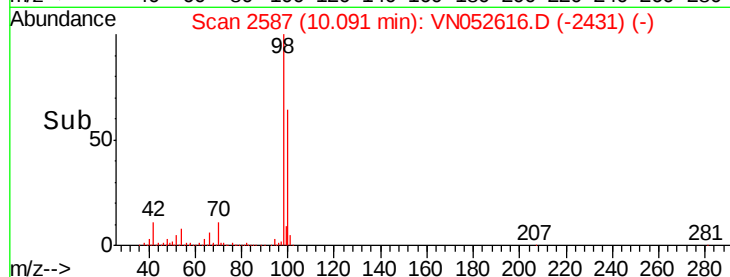
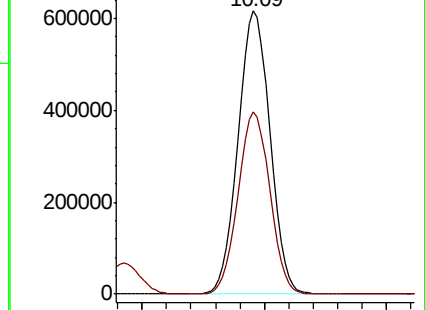
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 20.091 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052616.D

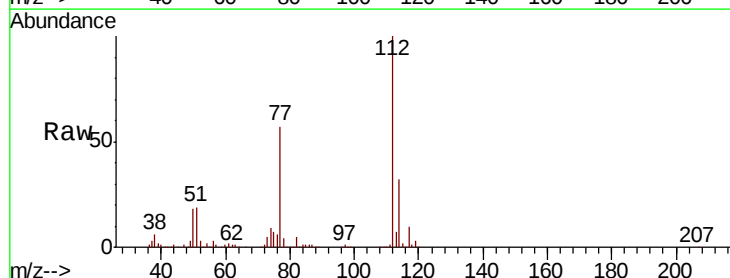
Acq: 30 Nov 2018 19:21

Tgt Ion: 112 Resp: 549828

Ion Ratio Lower Upper

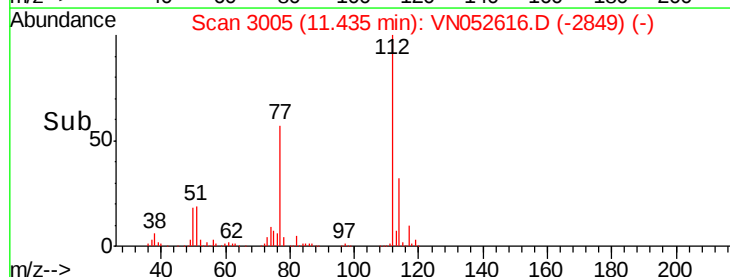
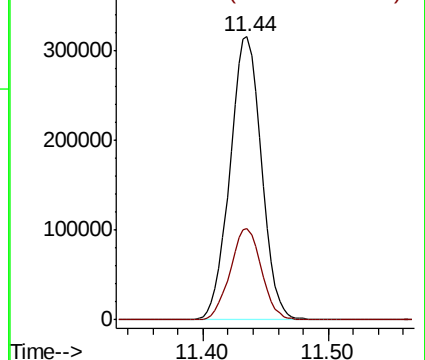
112 100

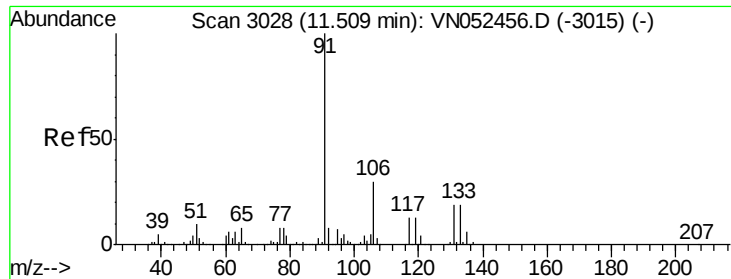
114 32.3 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.315 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

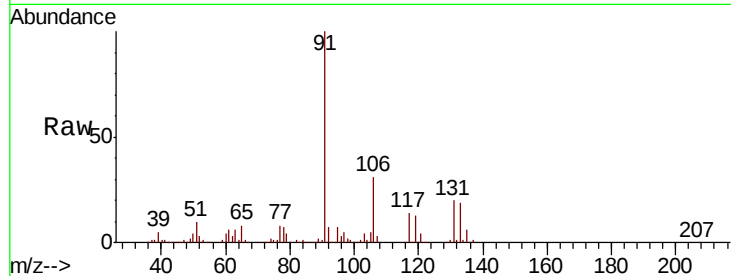
Tot Ion:131 Resp: 192981

Ion Ratio Lower Upper

131 100

133 96.6 0.0 193.4

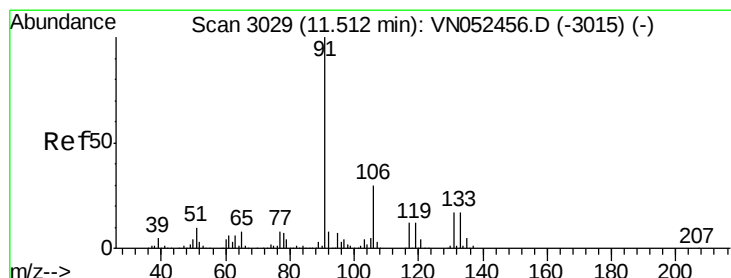
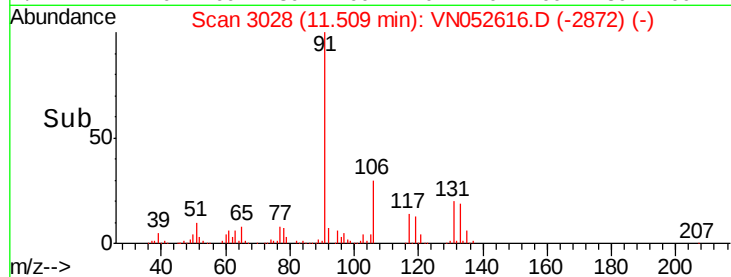
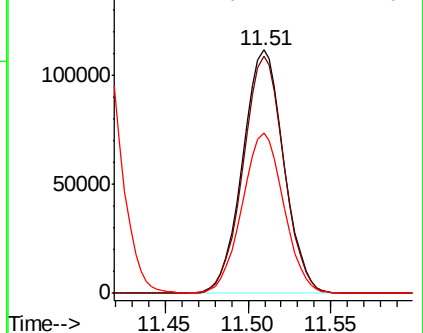
119 66.7 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.848 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052616.D

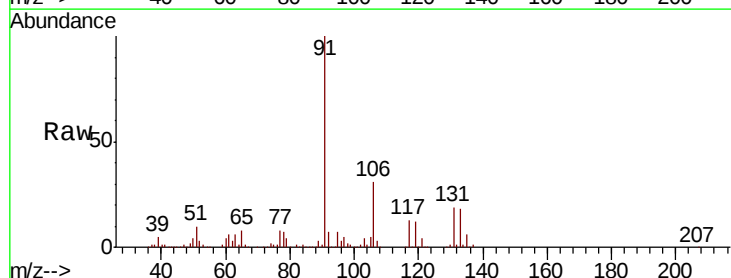
Acq: 30 Nov 2018 19:21

Tgt Ion: 91 Resp: 959165

Ion Ratio Lower Upper

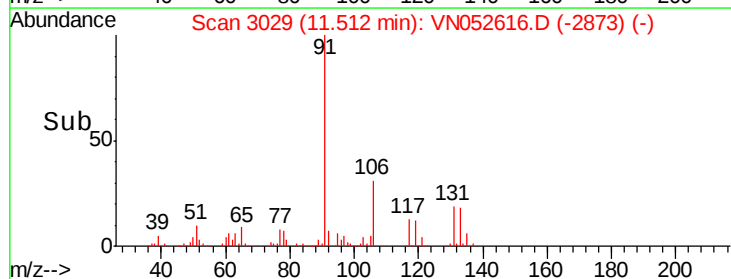
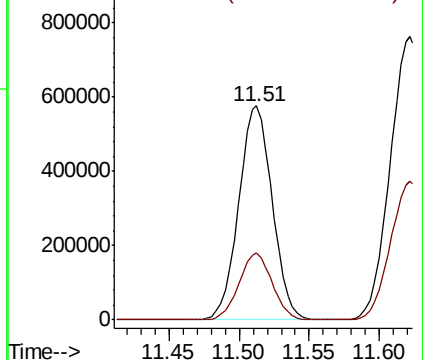
91 100

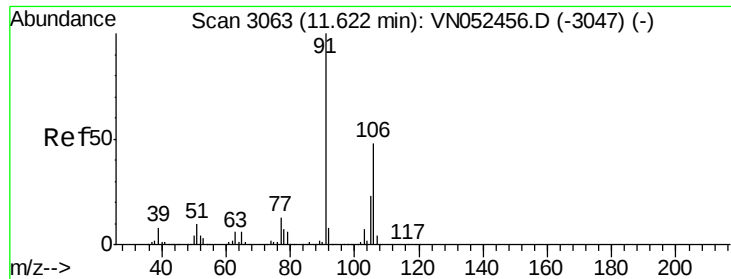
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

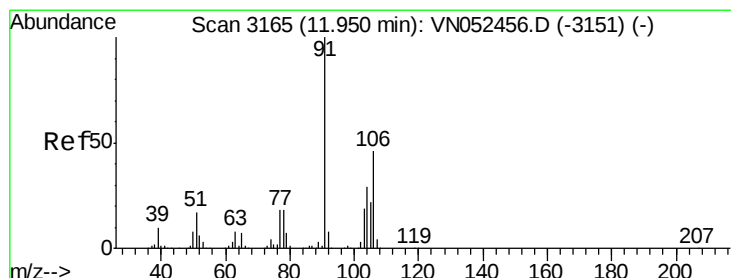
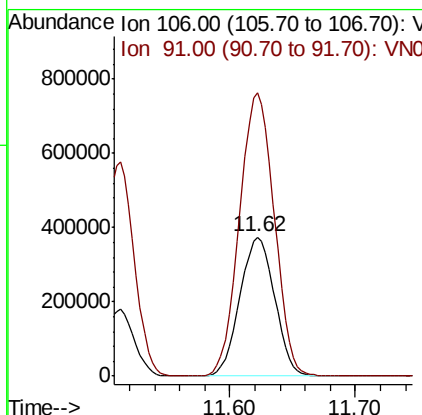
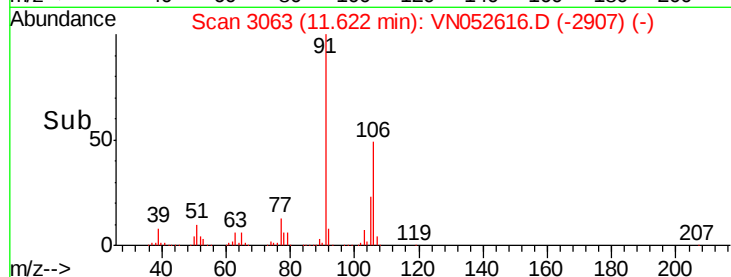
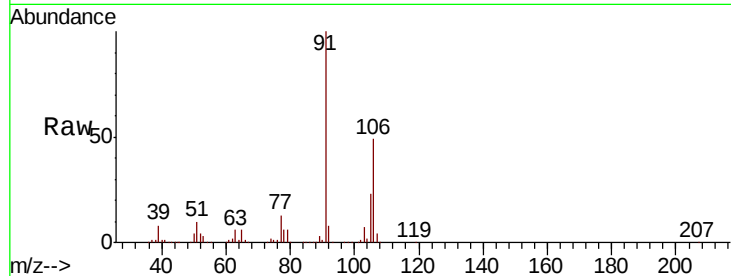




#67
m/p-Xylenes
Concen: 40.078 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

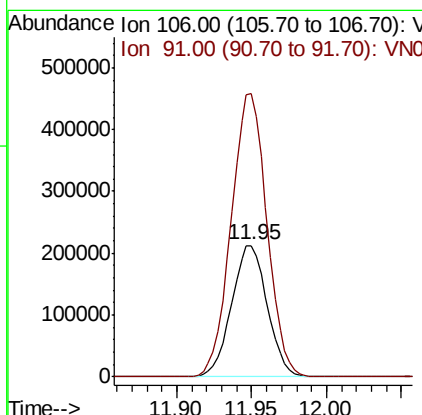
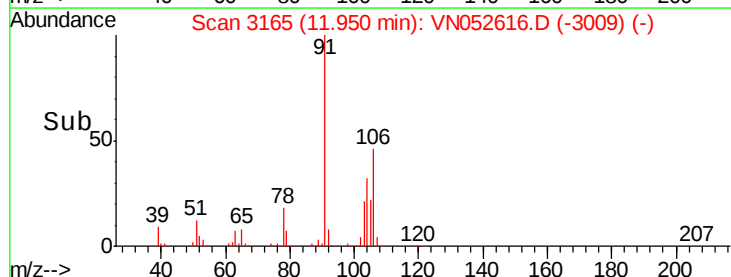
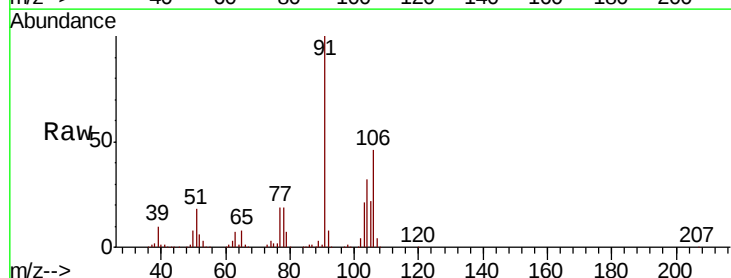
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

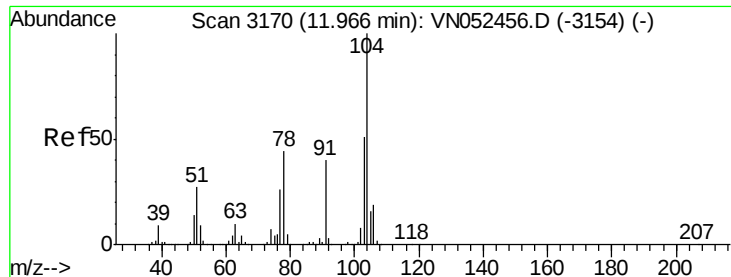
Tot Ion:106 Resp: 721547
Ion Ratio Lower Upper
106 100
91 203.9 163.9 245.9



#68
o-Xylene
Concen: 20.169 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion:106 Resp: 352445
Ion Ratio Lower Upper
106 100
91 215.9 107.8 323.4

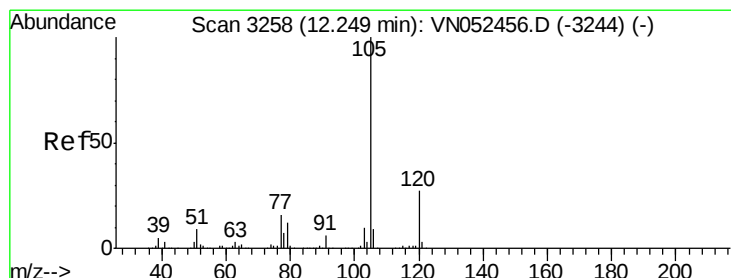
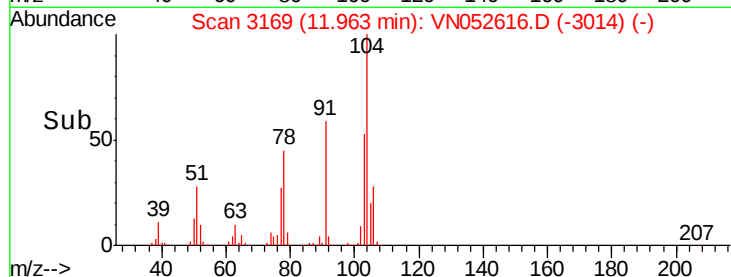
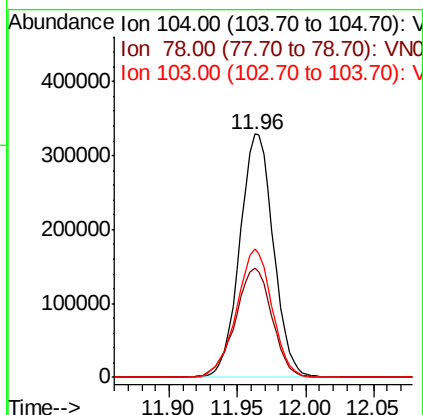
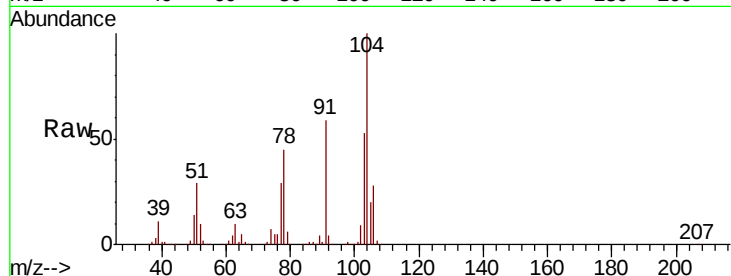




#69
Stvrene
Concen: 20.023 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

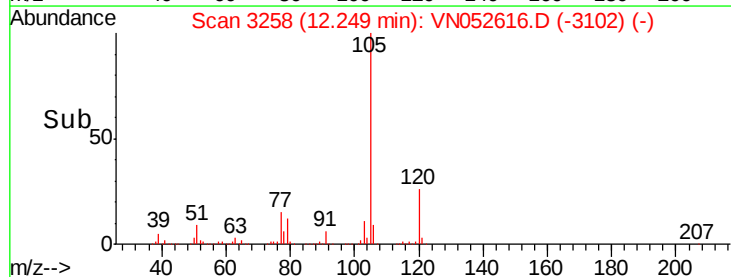
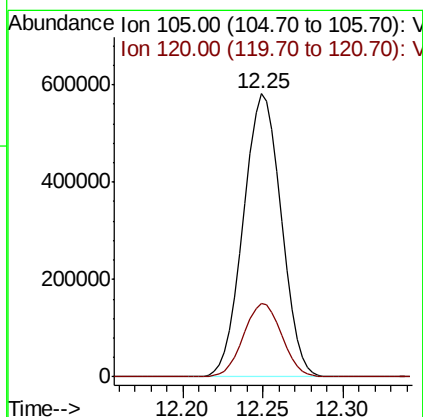
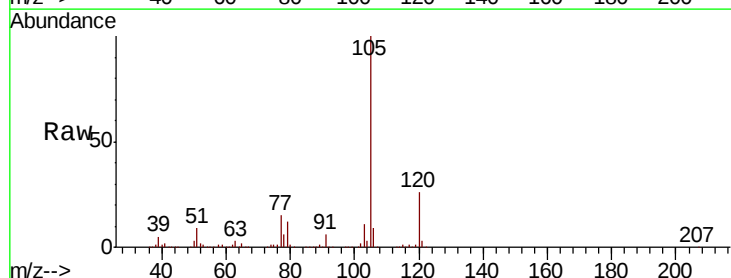
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

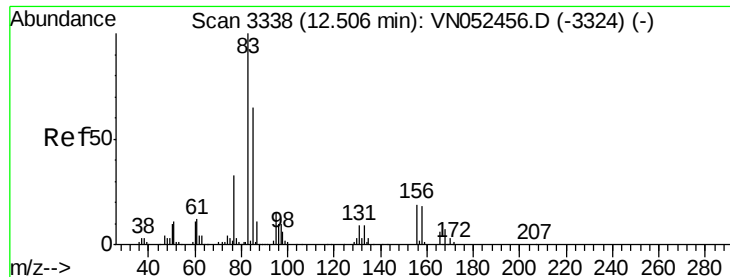
Tot Ion:104 Resp: 564731
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 55.5 44.6 66.8



#70
Isopropylbenzene
Concen: 20.237 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion:105 Resp: 940875
Ion Ratio Lower Upper
105 100
120 26.2 18.6 34.6

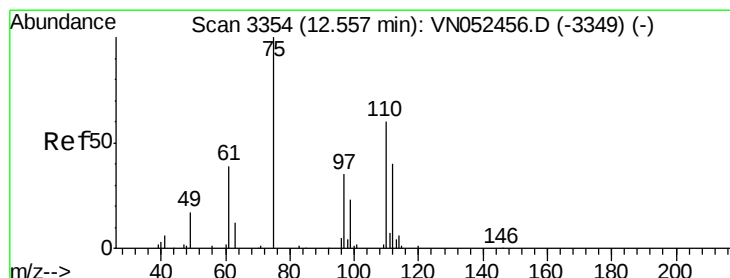
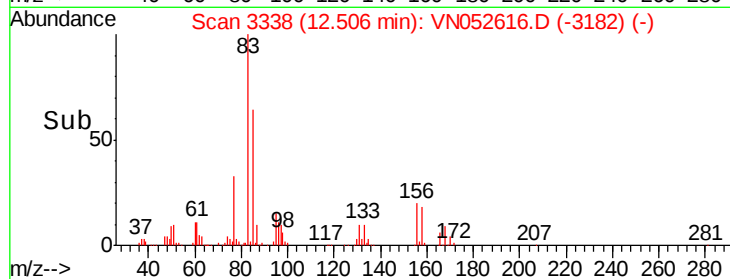
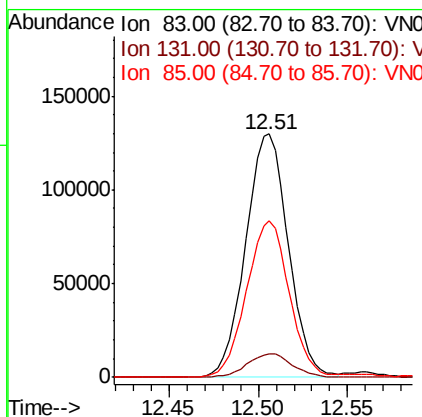
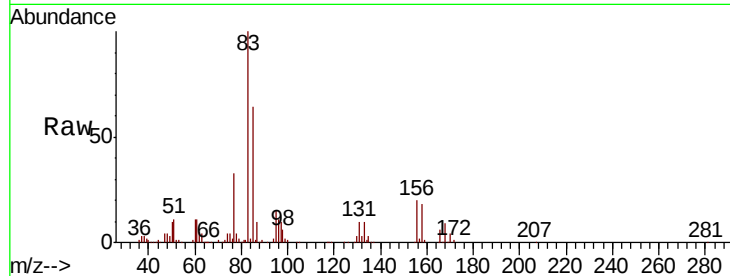




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.472 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

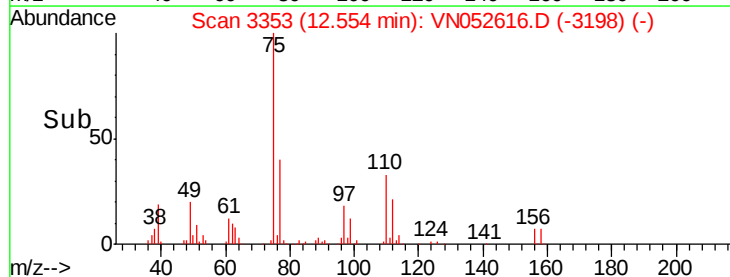
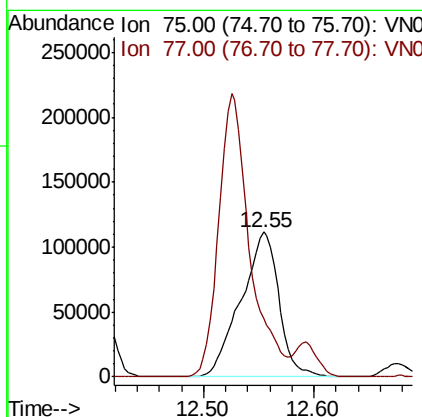
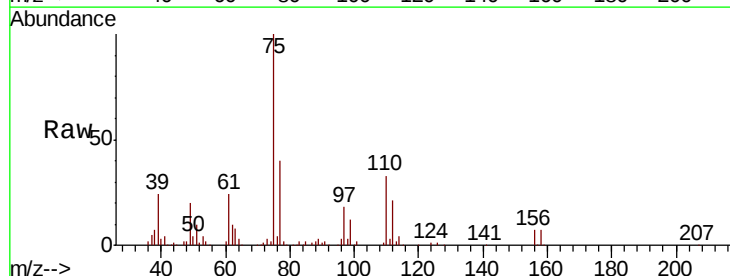
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

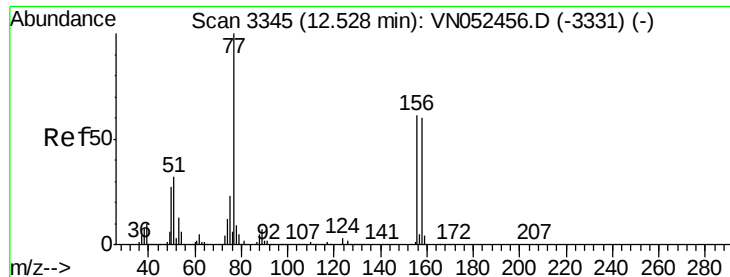
Tot Ion	83	Resp	217166
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.2	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.721 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion	75	Resp	266715
Ion Ratio	Lower	Upper	
75	100		
77	159.6	0.0	514.8





#73

Bromobenzene

Concen: 20.788 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

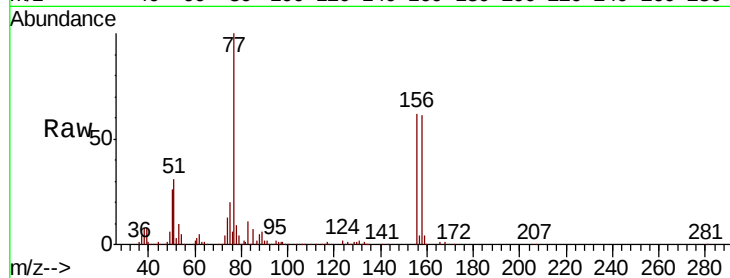
Tot Ion:156 Resp: 233750

Ion Ratio Lower Upper

156 100

77 182.2 0.0 382.6

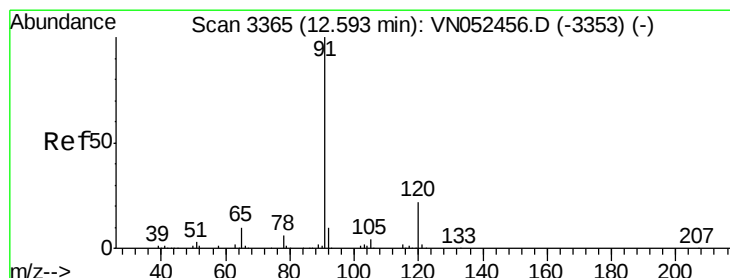
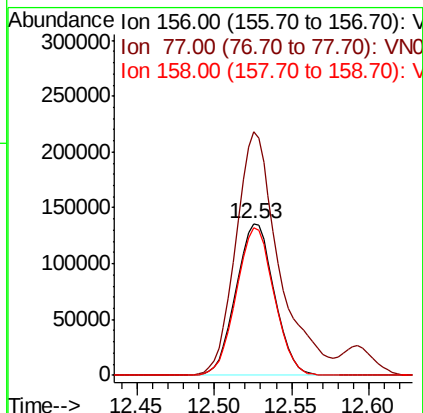
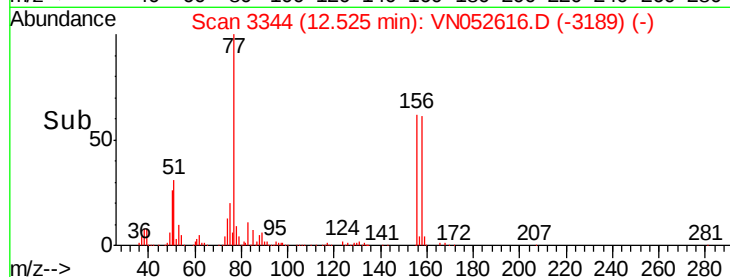
158 96.3 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.539 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052616.D

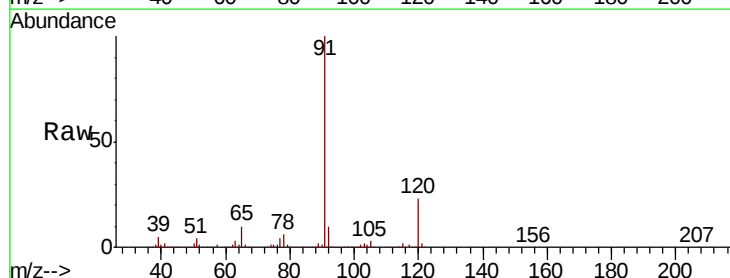
Acq: 30 Nov 2018 19:21

Tgt Ion: 91 Resp: 1058457

Ion Ratio Lower Upper

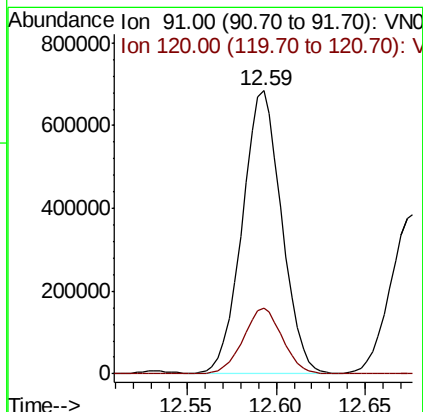
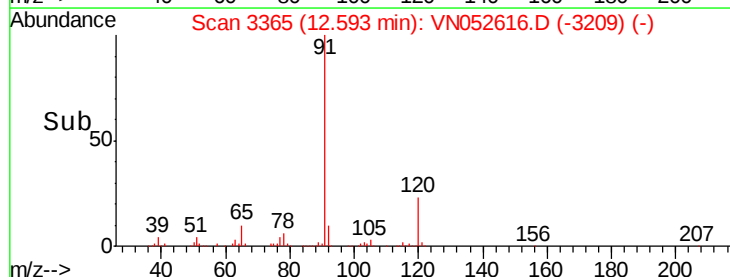
91 100

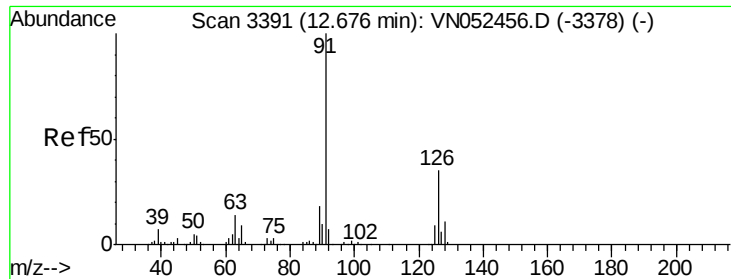
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.182 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

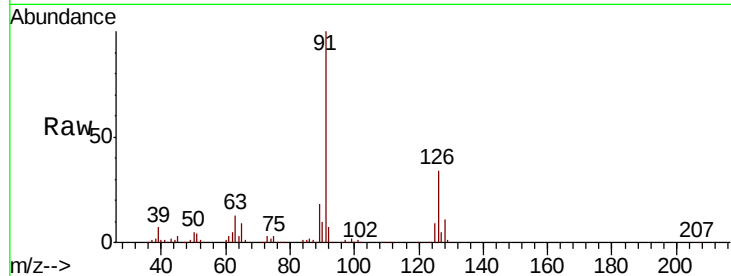
VSTDCCC020EC

Tot Ion: 91 Resp: 634579

Ion Ratio Lower Upper

91 100

126 34.3 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

400000

200000

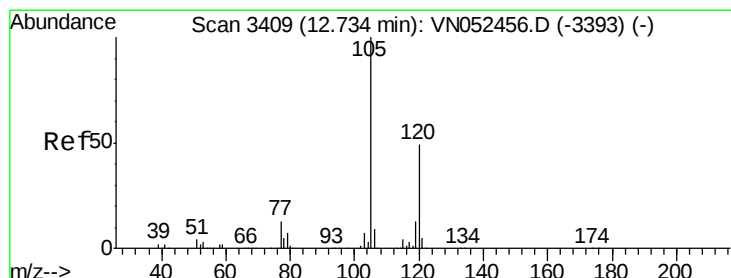
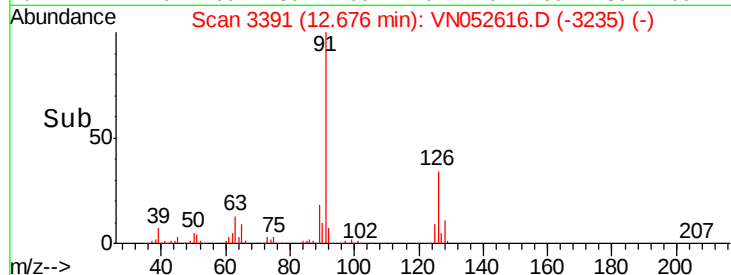
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.336 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052616.D

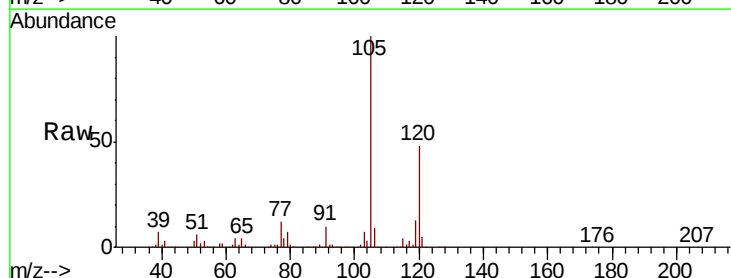
Acq: 30 Nov 2018 19:21

Tgt Ion: 105 Resp: 763668

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

500000

400000

300000

200000

100000

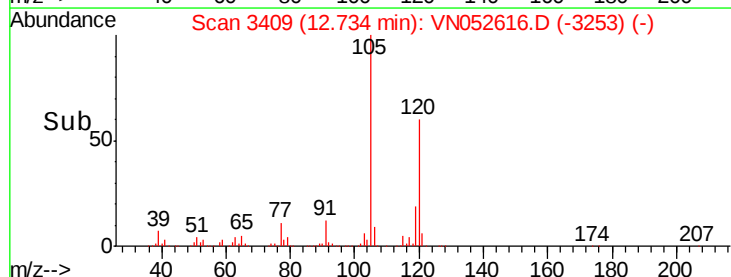
0

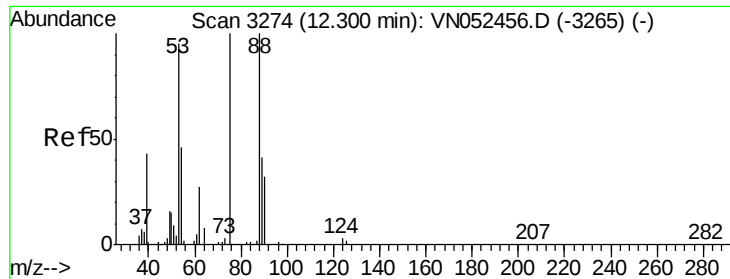
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 20.125 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

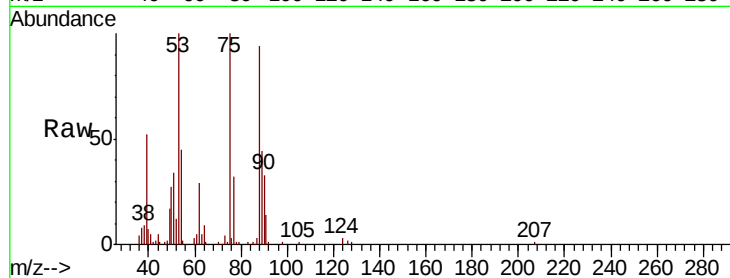
Tot Ion: 75 Resp: 55194

Ion Ratio Lower Upper

75 100

53 100.9 48.5 145.6

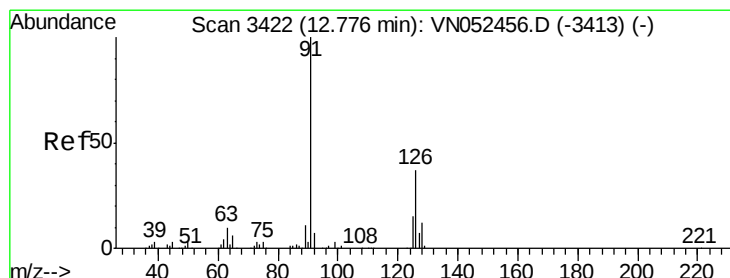
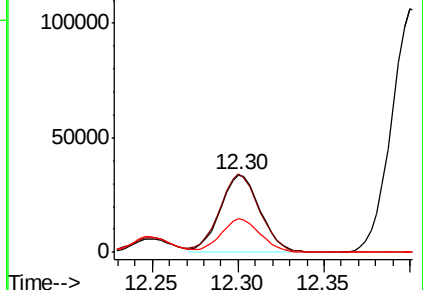
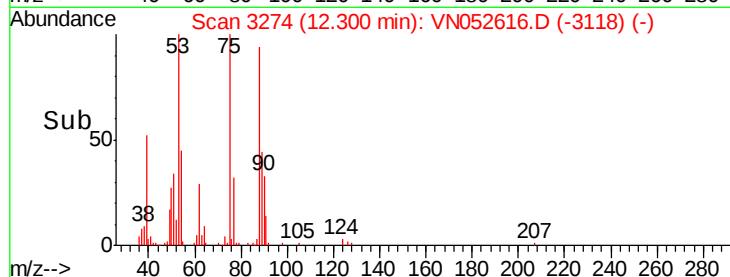
89 43.9 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.669 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052616.D

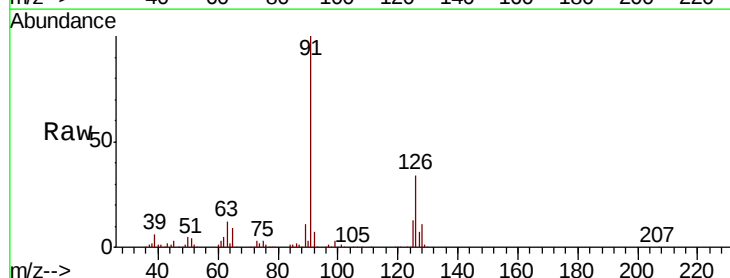
Acq: 30 Nov 2018 19:21

Tgt Ion: 91 Resp: 617610

Ion Ratio Lower Upper

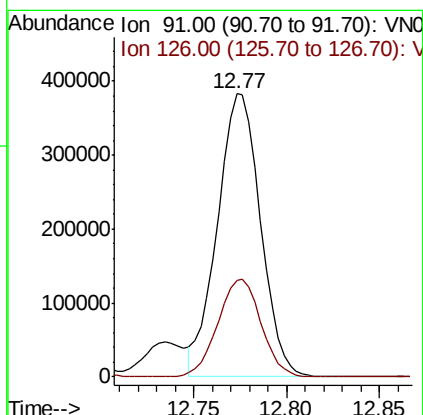
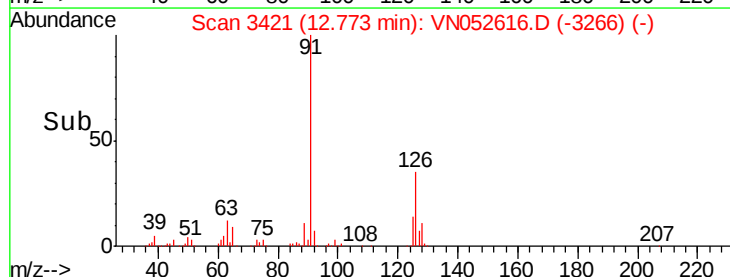
91 100

126 34.7 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.535 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

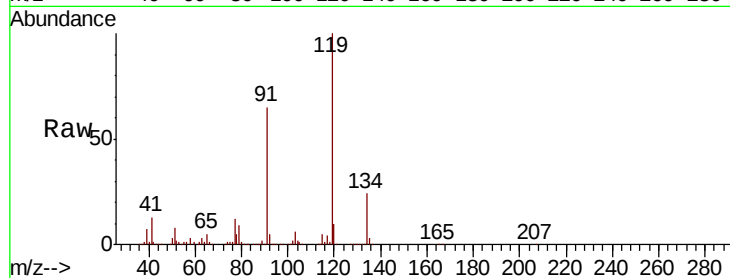
Tot Ion:119 Resp: 671574

Ion Ratio Lower Upper

119 100

91 63.5 0.0 129.8

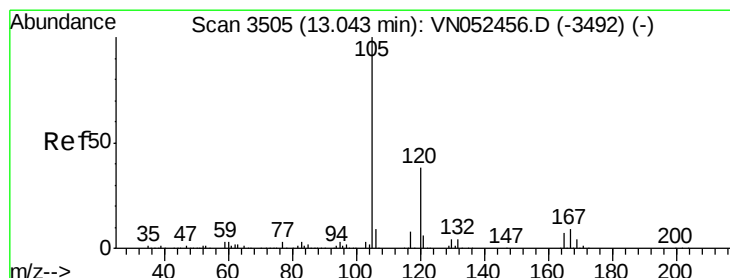
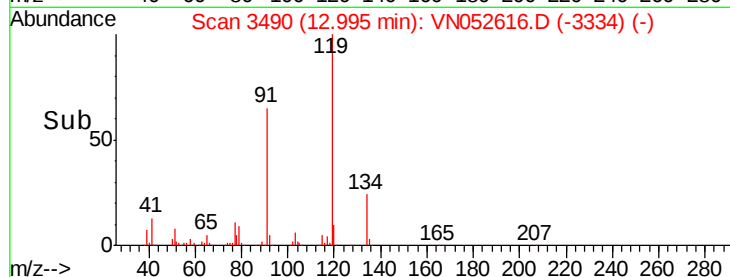
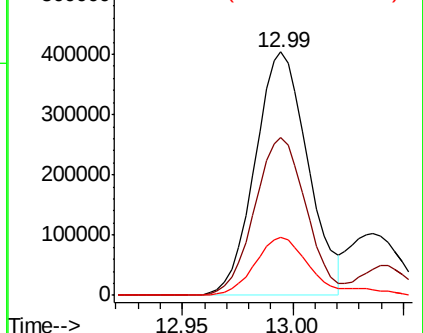
134 23.8 0.0 52.2



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



#80

1,2,4-Trimethylbenzene

Concen: 20.271 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN052616.D

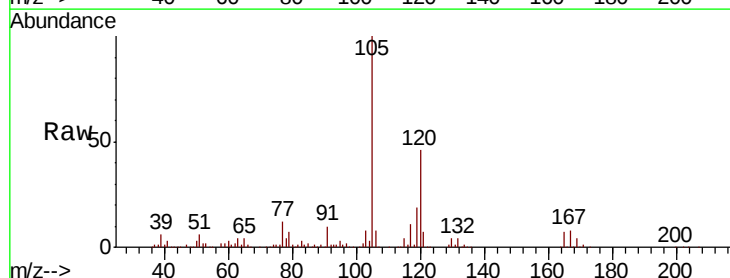
Acq: 30 Nov 2018 19:21

Tgt Ion:105 Resp: 761719

Ion Ratio Lower Upper

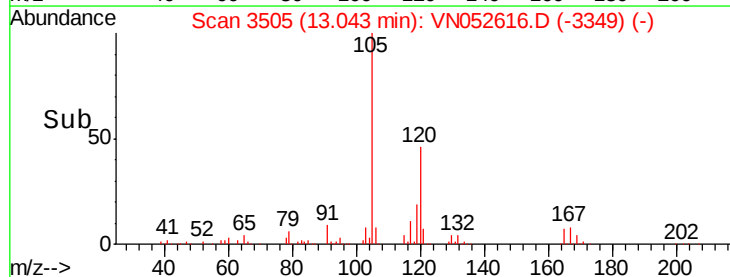
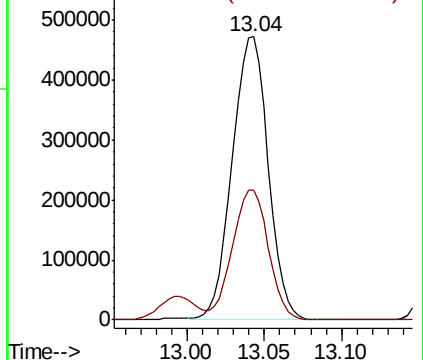
105 100

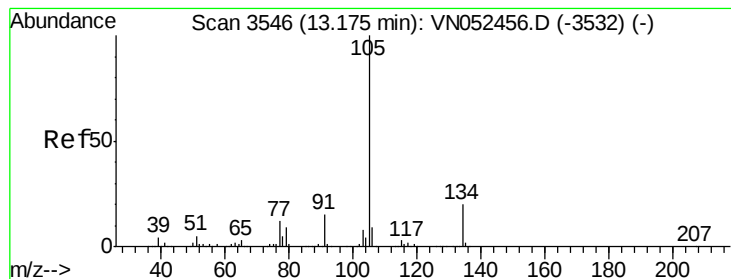
120 46.2 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.801 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

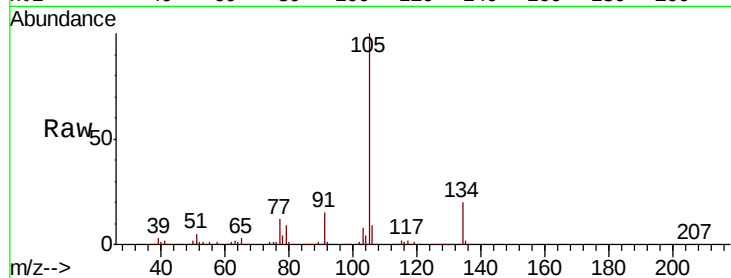
VSTDCCC020EC

Tot Ion:105 Resp: 901979

Ion Ratio Lower Upper

105 100

134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

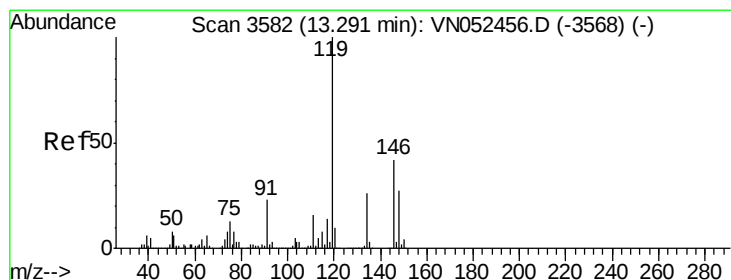
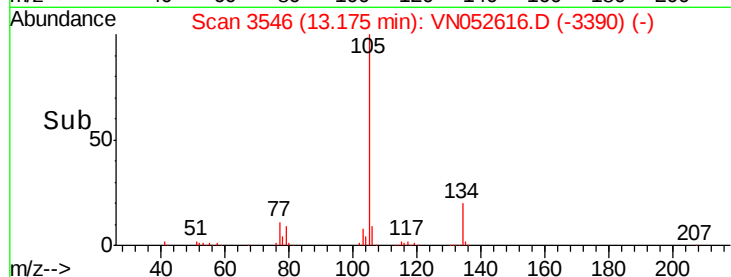
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.706 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

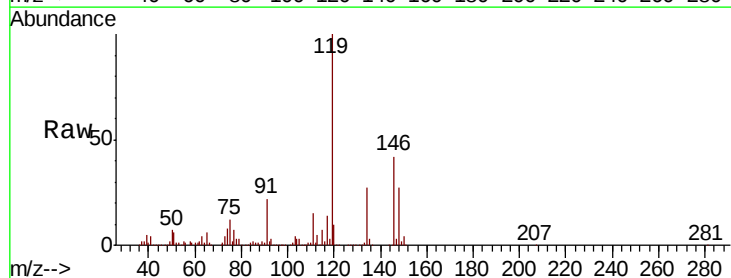
Tgt Ion:119 Resp: 764384

Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.6

91 22.6 0.0 46.2



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

13.29

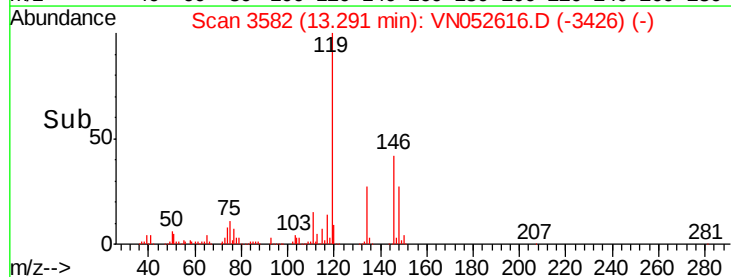
600000

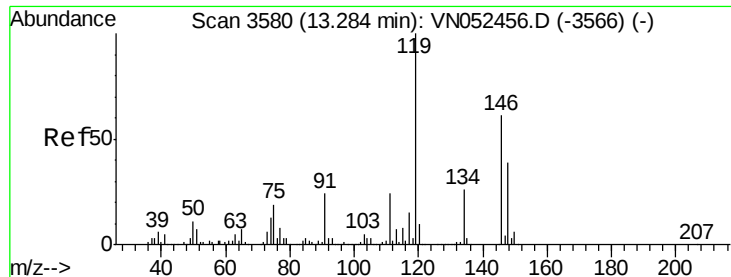
400000

200000

0

Time-->

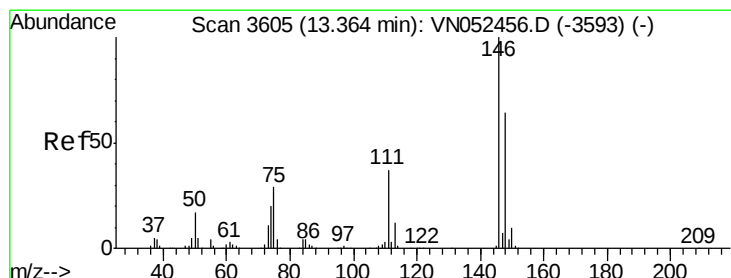
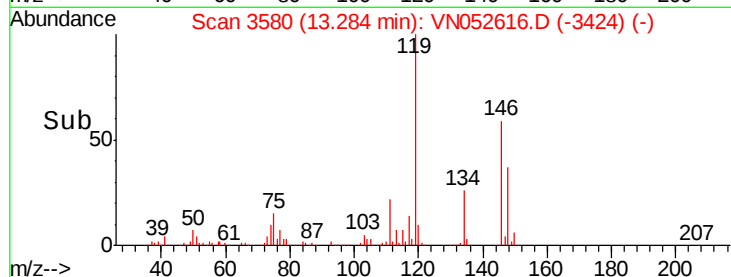
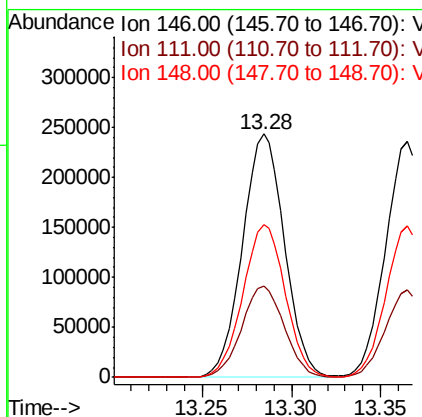
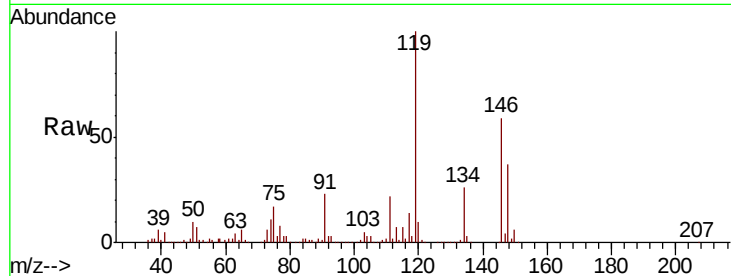




#83
 1,3-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

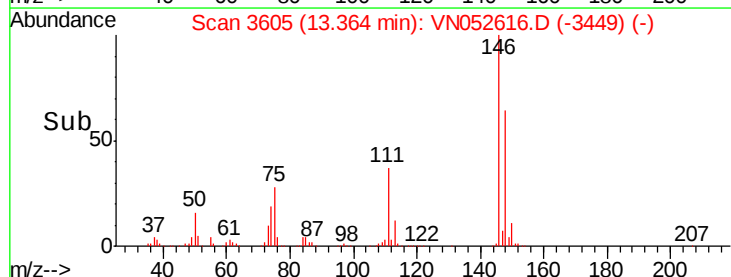
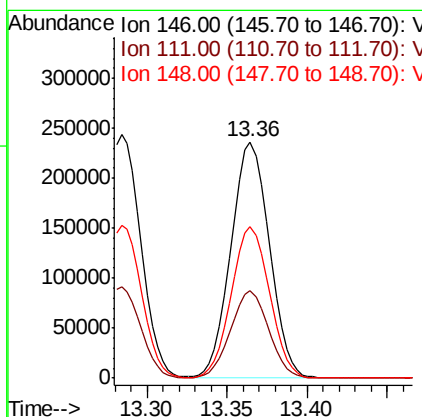
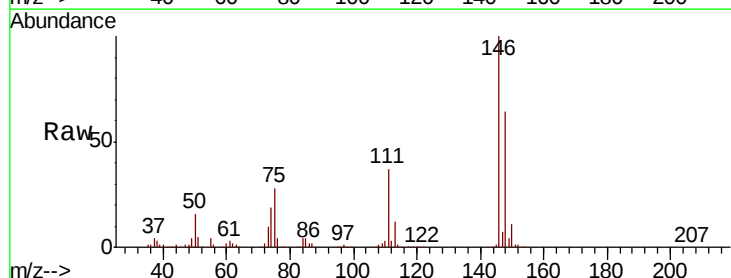
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

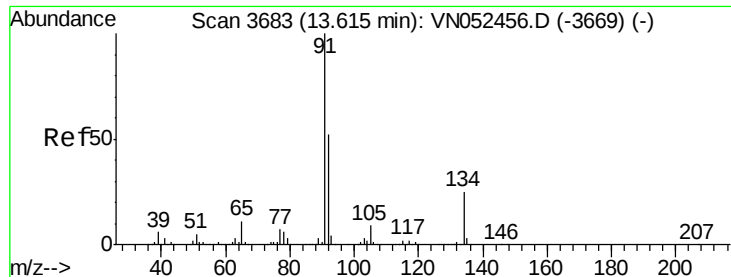
Tot Ion:146 Resp: 401287
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.7 59.0
 148 63.4 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 20.262 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion:146 Resp: 387147
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.8 56.3
 148 63.7 32.5 97.4

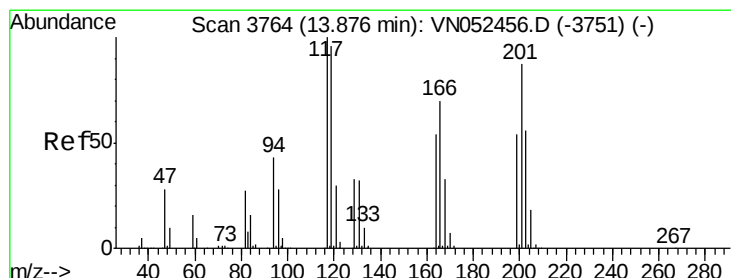
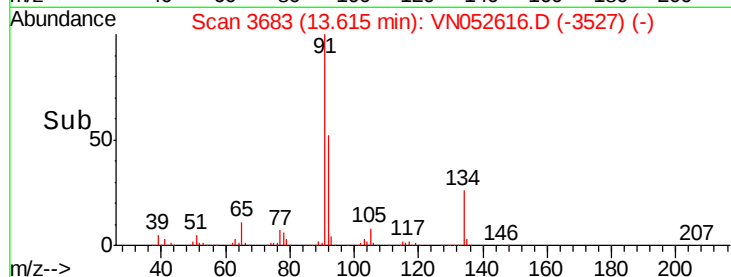
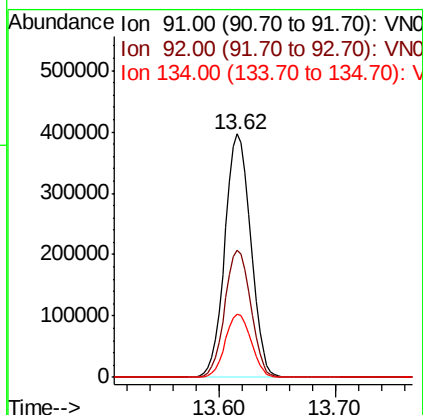
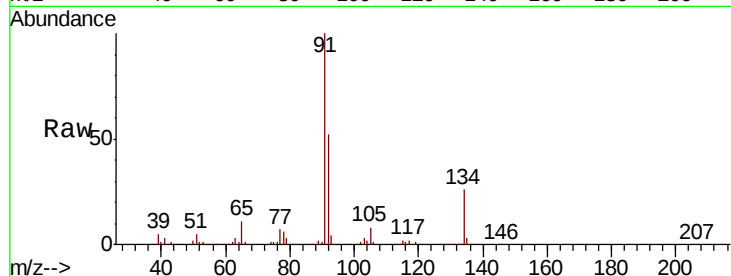




#85
n-Butylbenzene
Concen: 18.429 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

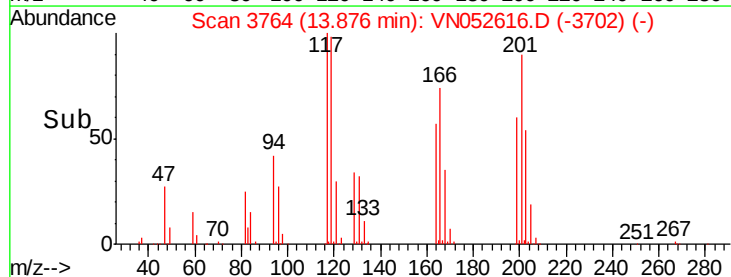
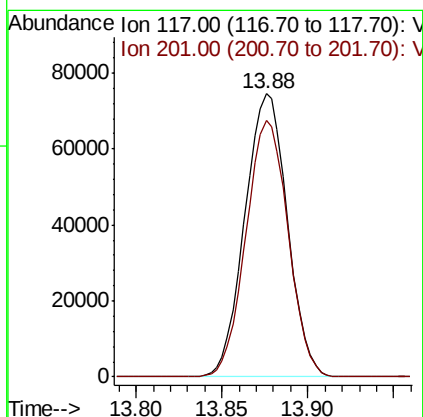
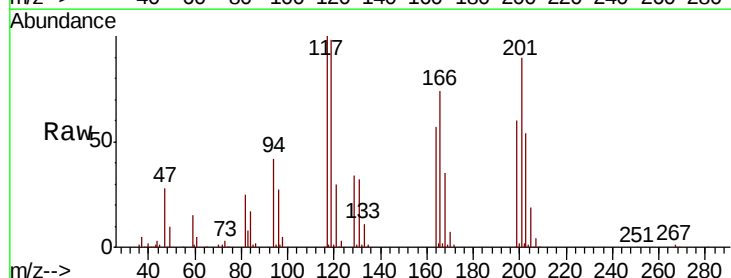
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

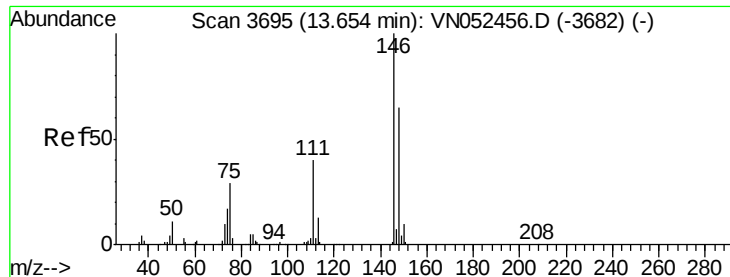
Tot Ion: 91 Resp: 614027
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.2
134 26.0 0.0 50.6



#86
Hexachloroethane
Concen: 19.462 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052616.D
Acq: 30 Nov 2018 19:21

Tgt Ion: 117 Resp: 127908
Ion Ratio Lower Upper
117 100
201 89.8 43.8 131.3





#87

1,2-Dichlorobenzene

Concen: 20.800 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

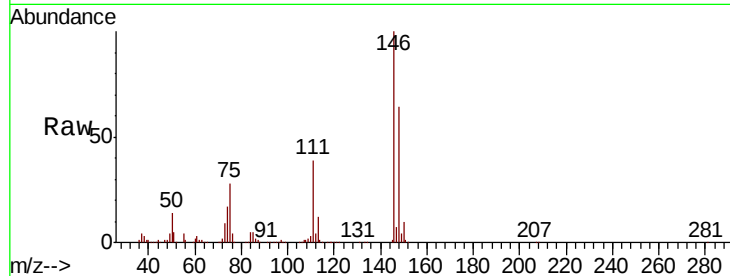
Tot Ion:146 Resp: 391460

Ion Ratio Lower Upper

146 100

111 39.1 20.3 60.8

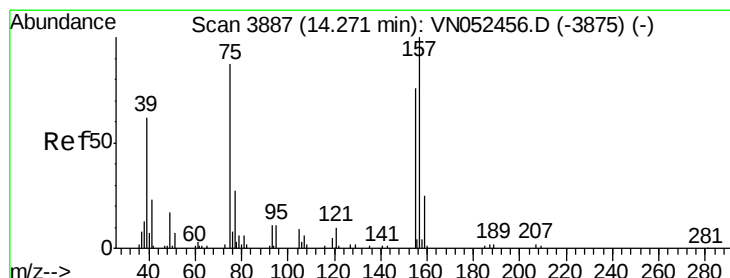
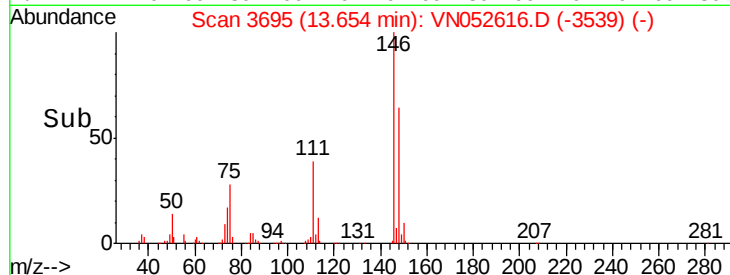
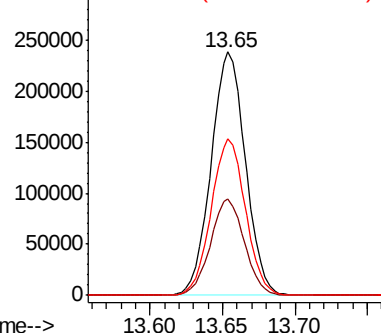
148 64.2 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.306 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

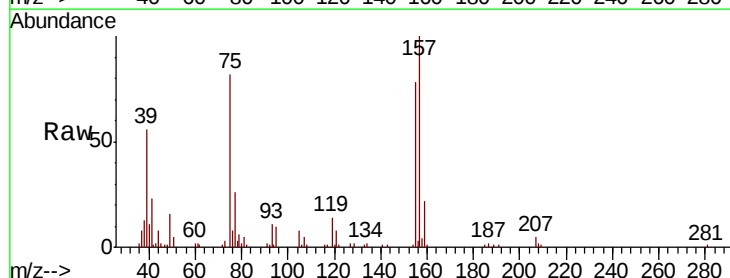
Tgt Ion: 75 Resp: 31601

Ion Ratio Lower Upper

75 100

155 91.4 72.2 108.2

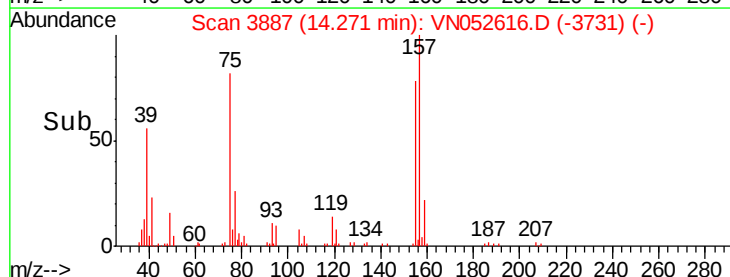
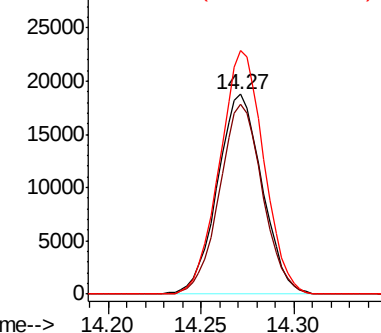
157 119.9 94.2 141.2

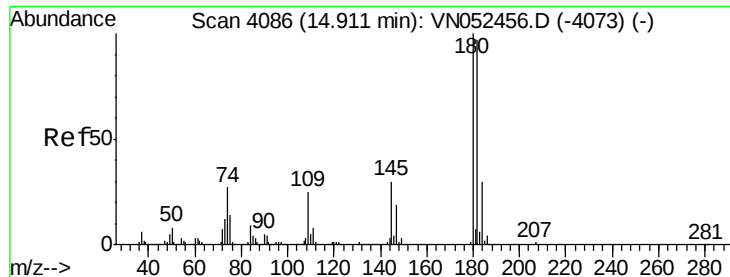


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

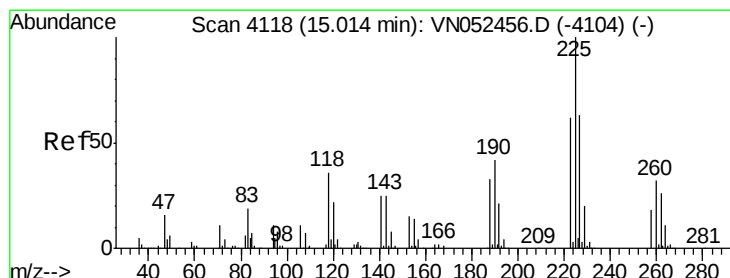
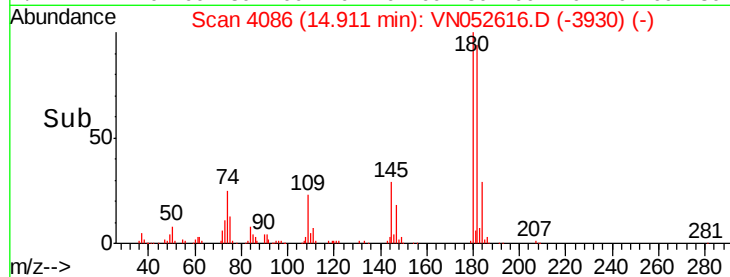
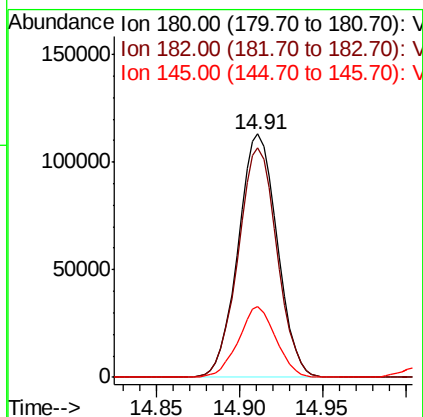
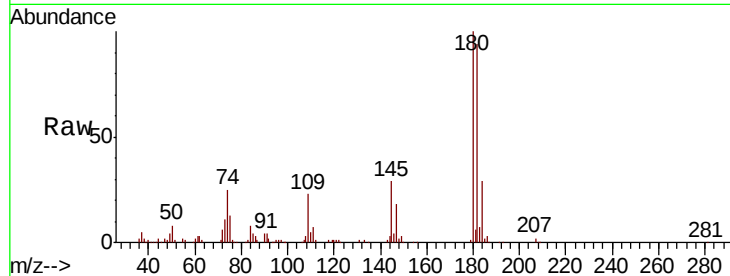




#89
 1,2,4-Trichlorobenzene
 Concen: 19.945 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

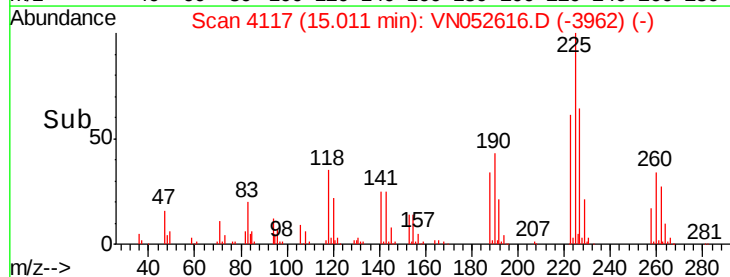
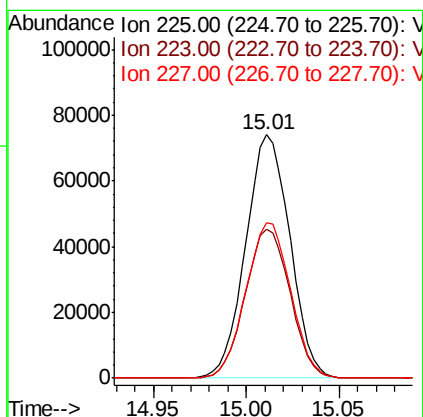
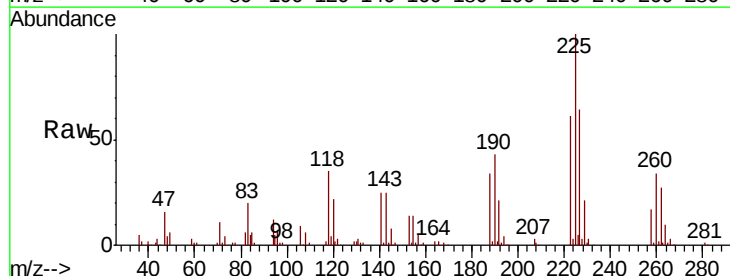
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

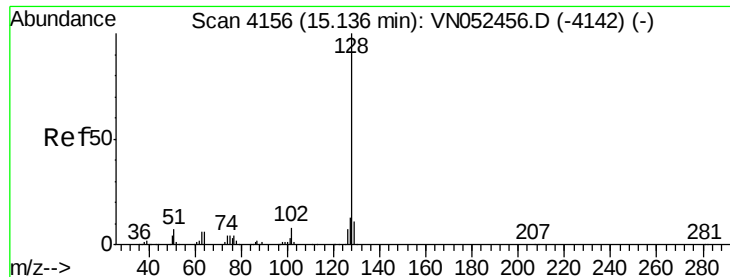
Tot Ion:180 Resp: 184932
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.6 114.8
 145 27.9 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 20.175 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052616.D
 Acq: 30 Nov 2018 19:21

Tgt Ion:225 Resp: 122712
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 125.6
 227 64.5 0.0 127.8





#91

Naphthalene

Concen: 20.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

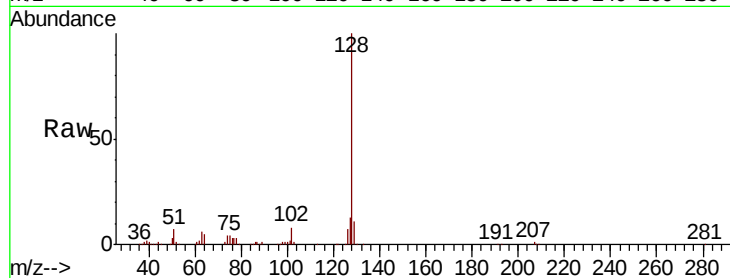
Tot Ion:128 Resp: 386073

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

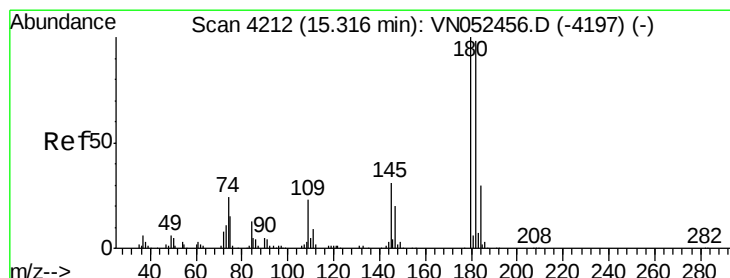
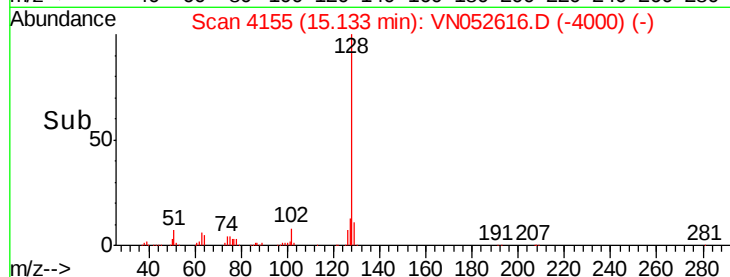
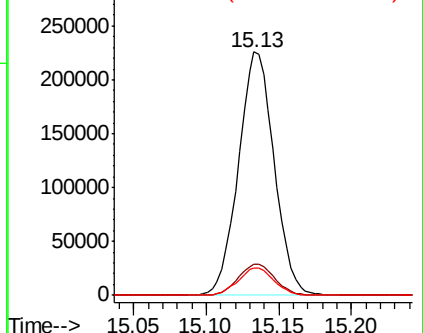
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 20.883 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052616.D

Acq: 30 Nov 2018 19:21

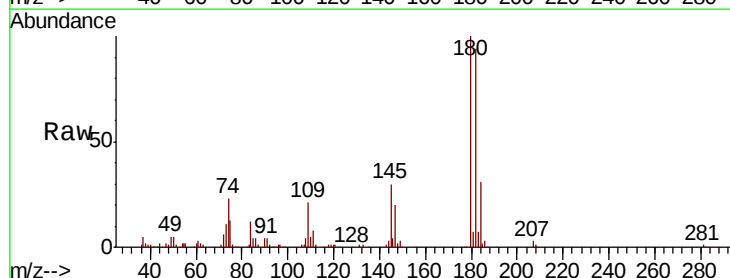
Tgt Ion:180 Resp: 178441

Ion Ratio Lower Upper

180 100

182 95.0 0.0 196.2

145 30.6 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

