

Data File : VN052306.D
Acq On : 14 Nov 2018 11:24
Operator : MD\SY
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Nov 15 02:34:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 02:30:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	267588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	456240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	71398	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
35) Dibromofluoromethane	7.59	113	54960	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	
50) Toluene-d8	10.09	98	215713	18.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.26%	
62) 4-Bromofluorobenzene	12.40	95	67490	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	59499	20.983 ug/l	98
3) Chloromethane	2.06	50	78551	19.934 ug/l	98
4) Vinyl Chloride	2.19	62	68277	20.045 ug/l	99
5) Bromomethane	2.57	94	41014	19.314 ug/l	94
6) Chloroethane	2.71	64	38179	19.824 ug/l	98
7) Trichlorofluoromethane	3.02	101	90975	19.301 ug/l	99
8) Diethyl Ether	3.41	74	34271	19.077 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57325	19.258 ug/l	99
10) Methyl Iodide	3.96	142	77144	19.302 ug/l	100
11) Tert butyl alcohol	4.79	59	17078	85.235 ug/l	100
12) 1,1-Dichloroethene	3.74	96	53229	19.324 ug/l	94
13) Acrolein	3.61	56	28375	102.948 ug/l	99
14) Allyl chloride	4.33	41	102002	18.034 ug/l	97
15) Acrylonitrile	4.99	53	110833	95.875 ug/l	99
16) Acetone	3.82	43	101828	96.227 ug/l	95
17) Carbon Disulfide	4.06	76	151970	19.240 ug/l	100
18) Methyl Acetate	4.33	43	58207	19.275 ug/l #	79
19) Methyl tert-butyl Ether	5.05	73	155615	19.658 ug/l	97
20) Methylene Chloride	4.55	84	64114	18.508 ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	57510	20.155 ug/l	98
22) Diisopropyl ether	5.95	45	230186	19.735 ug/l	99
23) Vinyl Acetate	5.90	43	784379	100.194 ug/l	99
24) 1,1-Dichloroethane	5.85	63	120540	19.479 ug/l	99
25) 2-Butanone	6.83	43	145893	99.607 ug/l	99
26) 2,2-Dichloropropane	6.83	77	88810	19.517 ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	66771	19.340 ug/l	99
28) Bromochloromethane	7.20	49	59969	18.847 ug/l	98
29) Tetrahydrofuran	7.21	42	92148	95.023 ug/l	99
30) Chloroform	7.37	83	115619	19.605 ug/l	99
31) Cyclohexane	7.65	56	116871	16.290 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	95899	19.089 ug/l	98
36) 1,1-Dichloropropene	7.79	75	88015	19.247 ug/l	98
37) Ethyl Acetate	6.93	43	65388	18.714 ug/l	98
38) Carbon Tetrachloride	7.78	117	81543	19.409 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99956	19.148	ug/l	98
40) Benzene	8.04	78	257902	19.742	ug/l	99
41) Methacrylonitrile	7.21	41	92536	49.216	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	91405	19.621	ug/l	100
43) Isopropyl Acetate	8.17	43	120918	18.882	ug/l #	87
44) Trichloroethene	8.83	130	65063	20.219	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73272	19.764	ug/l	97
46) Dibromomethane	9.21	93	41556	19.362	ug/l	98
47) Bromodichloromethane	9.40	83	85911	19.506	ug/l	98
48) Methyl methacrylate	9.20	41	59530	18.320	ug/l	99
49) 1,4-Dioxane	9.20	88	8966	359.429	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	317948	98.631	ug/l	99
52) Toluene	10.16	92	153233	19.608	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85819	19.320	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	99267	19.604	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	55430	19.566	ug/l	98
56) Ethyl methacrylate	10.43	69	73617	19.759	ug/l	98
57) 1,3-Dichloropropane	10.71	76	99412	19.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	211405	99.664	ug/l	100
59) 2-Hexanone	10.75	43	220345	99.375	ug/l	100
60) Dibromochloromethane	10.90	129	58775	19.175	ug/l	100
61) 1,2-Dibromoethane	11.00	107	54311	19.246	ug/l	99
64) Tetrachloroethene	10.63	164	56669	19.498	ug/l	98
65) Chlorobenzene	11.43	112	165838	19.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	58135	19.729	ug/l	99
67) Ethyl Benzene	11.51	91	295030	19.671	ug/l	100
68) m/p-Xylenes	11.62	106	217646	39.717	ug/l	99
69) o-Xylene	11.95	106	106331	20.242	ug/l	99
70) Styrene	11.96	104	169957	20.207	ug/l	99
71) Bromoform	12.12	173	33019	18.978	ug/l #	99
73) Isopropylbenzene	12.25	105	279038	19.757	ug/l	100
74) N-amyl acetate	12.07	43	99435	19.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	67315	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85171	30.838	ug/l #	100
77) Bromobenzene	12.53	156	64468	19.618	ug/l	99
78) n-propylbenzene	12.59	91	326505	19.767	ug/l	100
79) 2-Chlorotoluene	12.67	91	192883	19.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	227823	20.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16564	18.024	ug/l	93
82) 4-Chlorotoluene	12.77	91	190933	19.313	ug/l	99
83) tert-Butylbenzene	12.99	119	198062	19.974	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	227631	20.189	ug/l	99
85) sec-Butylbenzene	13.17	105	270348	20.015	ug/l	99
86) p-Isopropyltoluene	13.29	119	231529	20.235	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	114231	19.572	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112854	19.449	ug/l	98
89) n-Butylbenzene	13.61	91	192496	19.588	ug/l	98
90) Hexachloroethane	13.87	117	38378	18.937	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	113673	20.103	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9198	18.270	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111418\
Quantitation Report (Not Reviewed)

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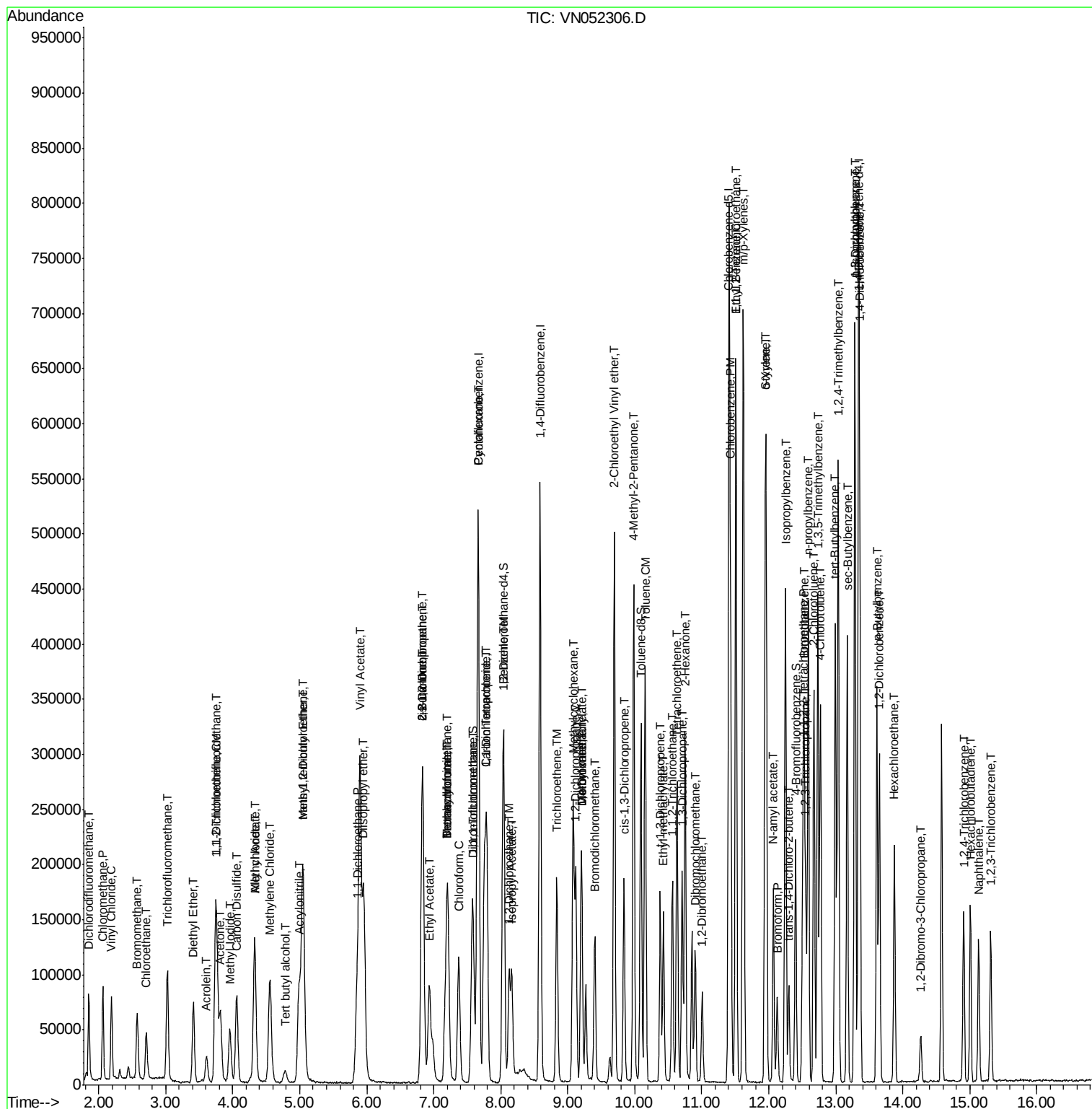
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45089	19.379	ug/l	98
94) Hexachlorobutadiene	15.01	225	25468	19.678	ug/l	98
95) Naphthalene	15.13	128	102758	19.545	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	41541	19.334	ug/l	98

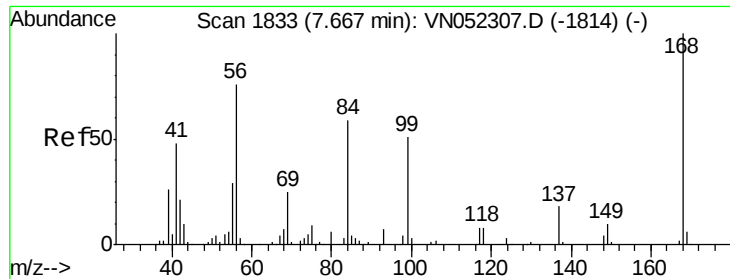
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

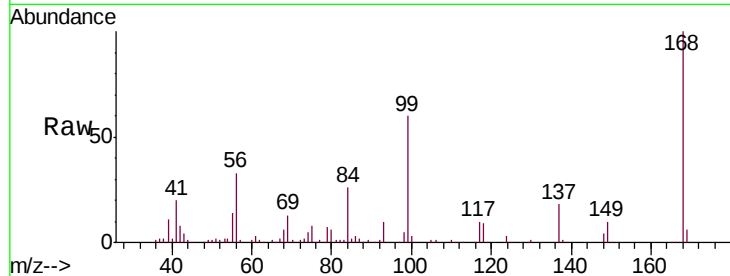
VSTDIC020

Tgt Ion:168 Resp: 267588

Ion Ratio Lower Upper

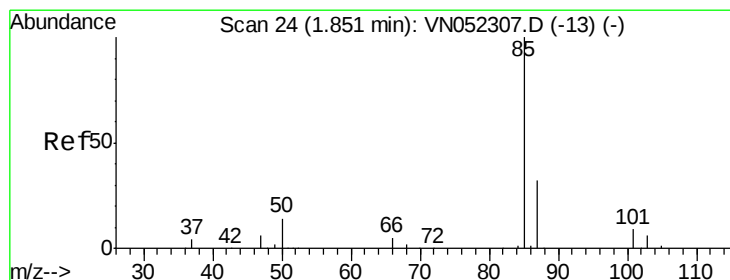
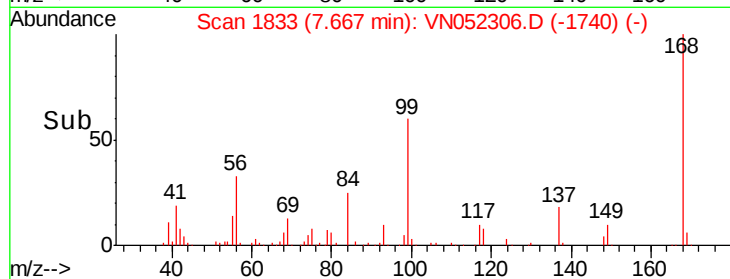
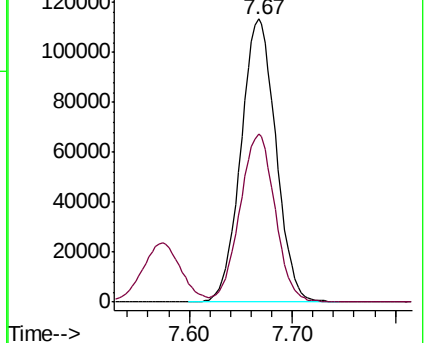
168 100

99 59.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.983 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052306.D

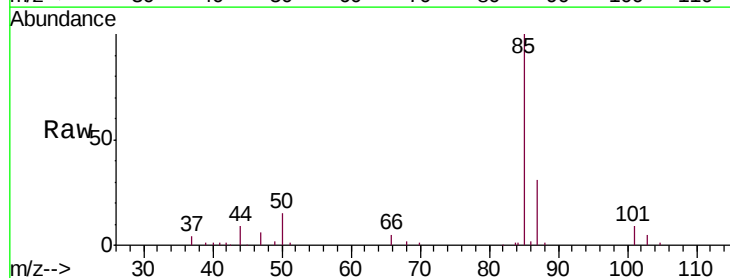
Acq: 14 Nov 2018 11:24

Tgt Ion: 85 Resp: 59499

Ion Ratio Lower Upper

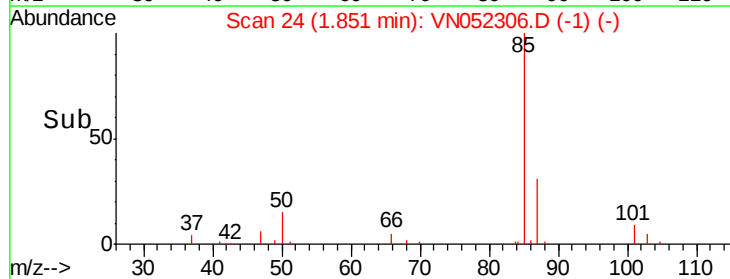
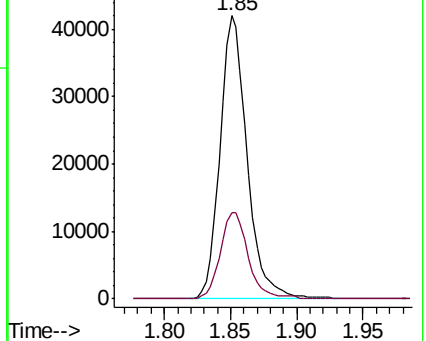
85 100

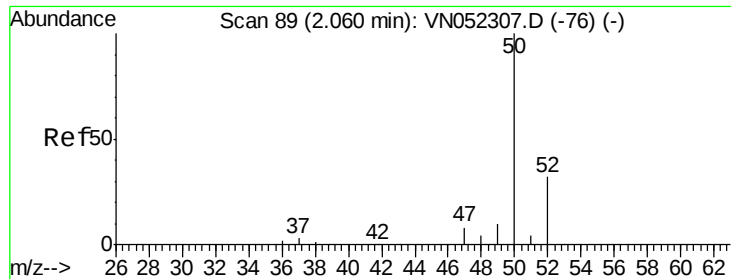
87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

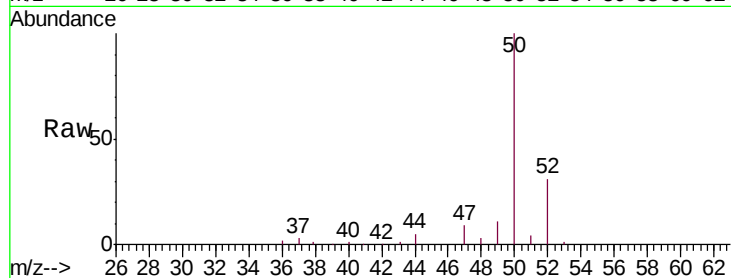
VSTDIC020

Tgt Ion: 50 Resp: 78551

Ion Ratio Lower Upper

50 100

52 30.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN052307.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN052307.D (-76) (-)

2.06

50000

40000

30000

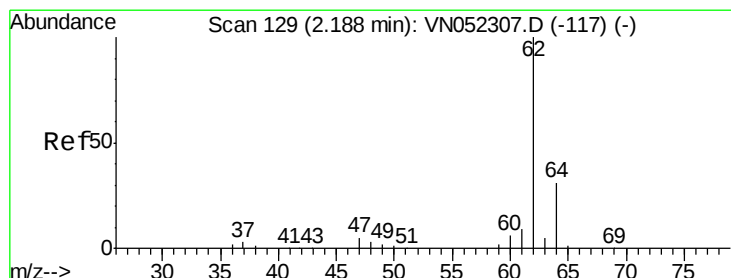
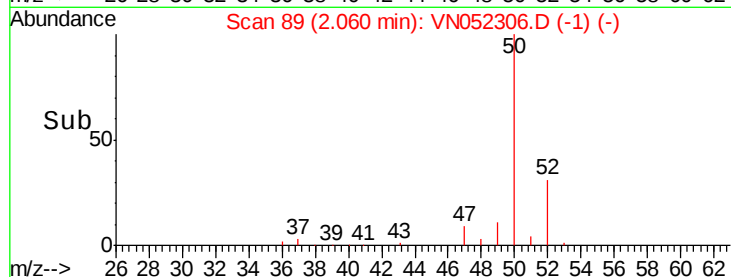
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 20.045 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052306.D

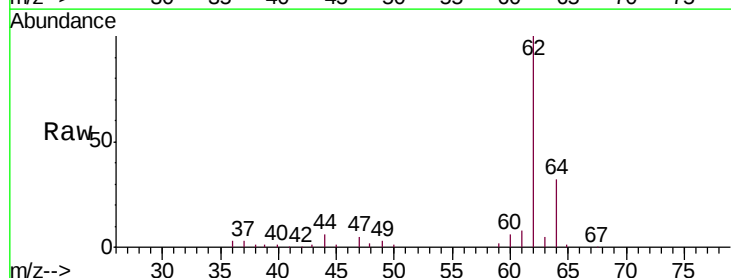
Acq: 14 Nov 2018 11:24

Tgt Ion: 62 Resp: 68277

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN052307.D (-117) (-)

Ion 63.90 (63.60 to 64.60): VN052307.D (-117) (-)

2.19

50000

40000

30000

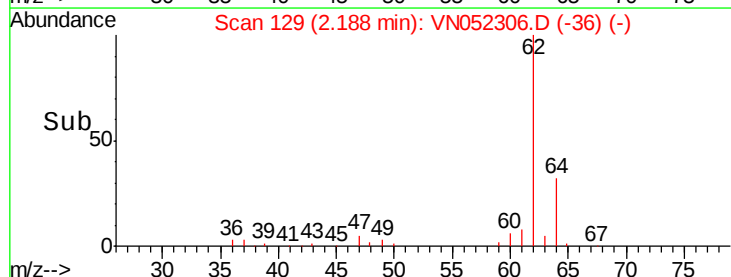
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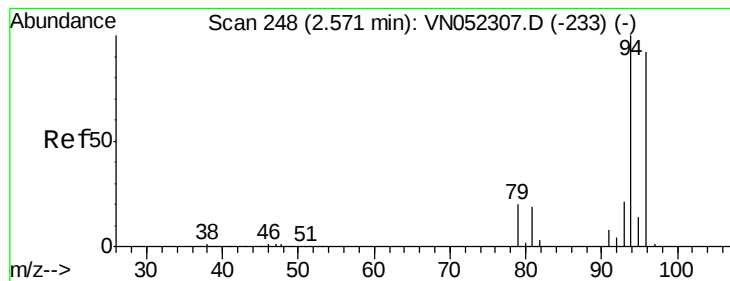
10000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052306.D

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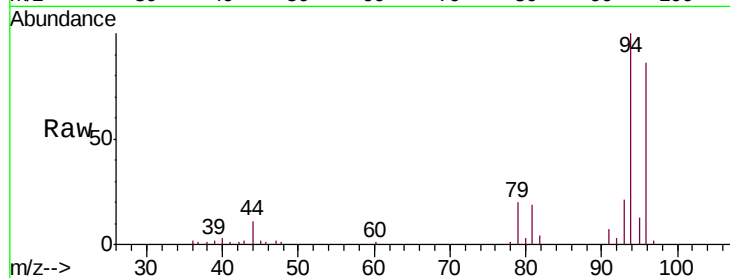
VSTDIC020

Tgt Ion: 94 Resp: 41014

Ion Ratio Lower Upper

94 100

96 86.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN052307.D (-233) (-)

Ion 95.90 (95.60 to 96.60): VN052307.D (-233) (-)

2.57

25000

20000

15000

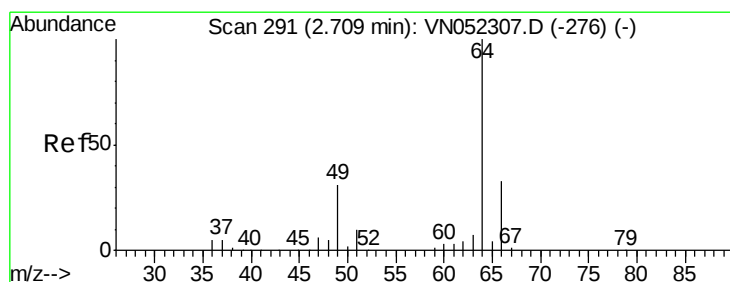
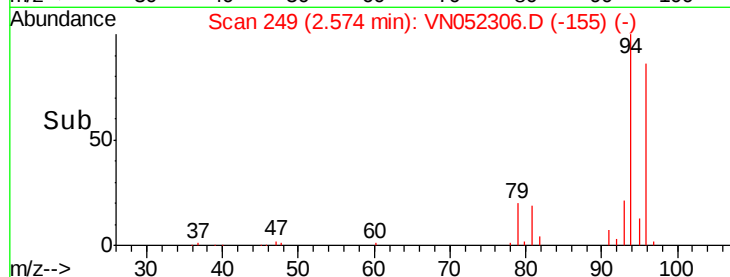
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.824 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052306.D

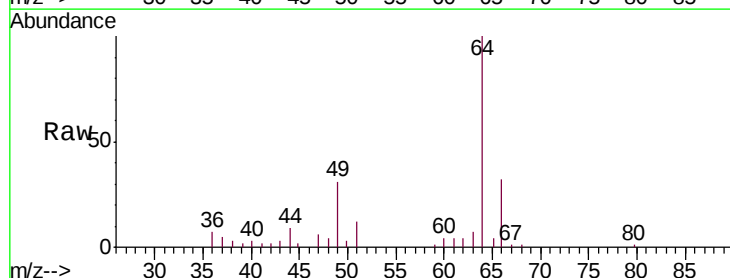
Acq: 14 Nov 2018 11:24

Tgt Ion: 64 Resp: 38179

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN052307.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN052307.D (-276) (-)

2.71

20000

15000

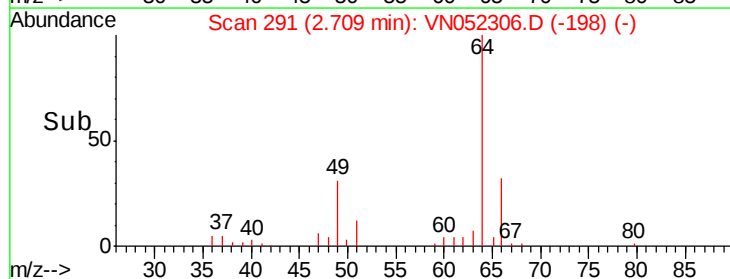
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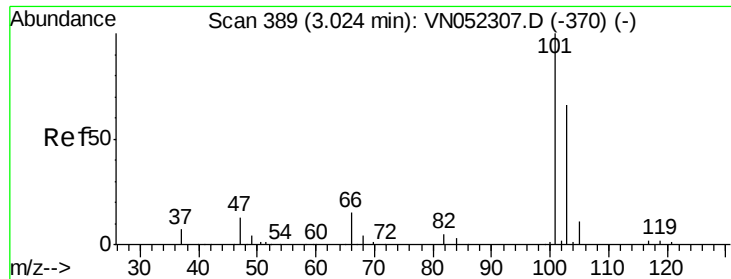
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



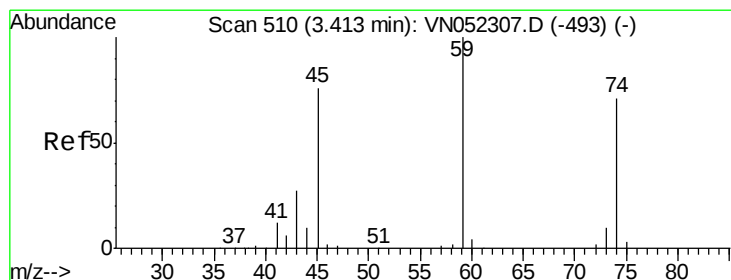
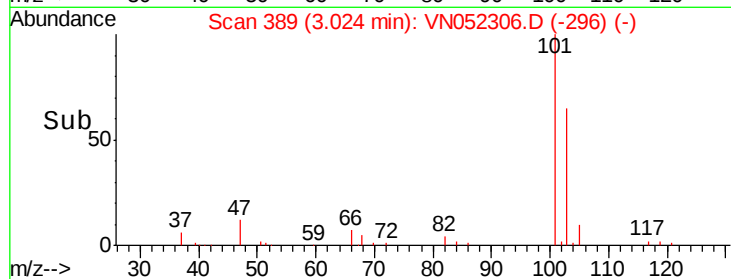
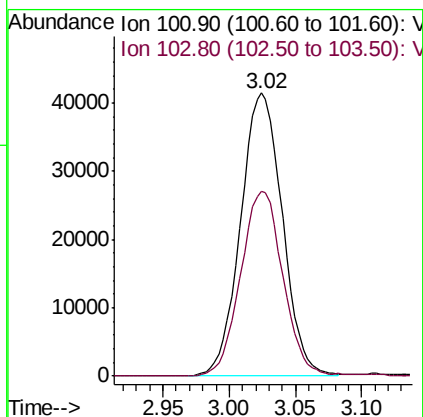
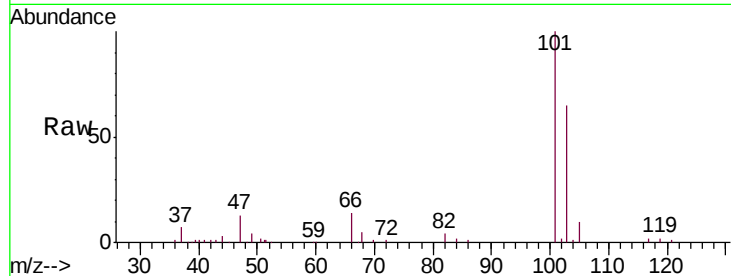


#7

Trichlorofluoromethane
 Concen: 19.301 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052306.D
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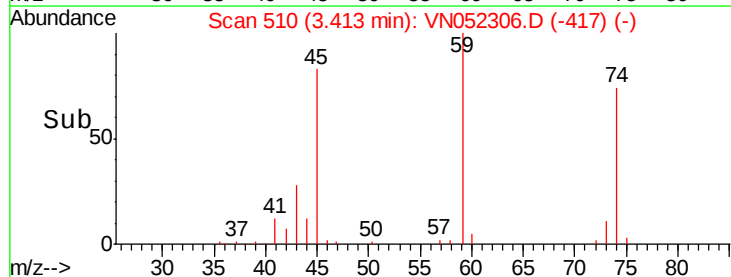
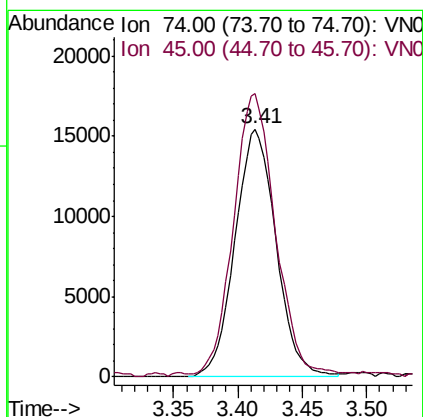
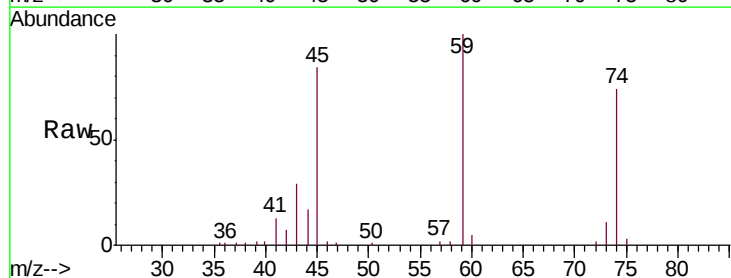
Tgt Ion:101 Resp: 90975
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.8 79.2

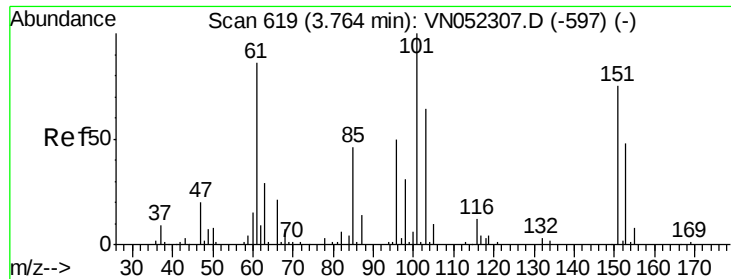


#8

Diethyl Ether
 Concen: 19.077 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052306.D
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Tgt Ion: 74 Resp: 34271
 Ion Ratio Lower Upper
 74 100
 45 113.9 54.3 162.9

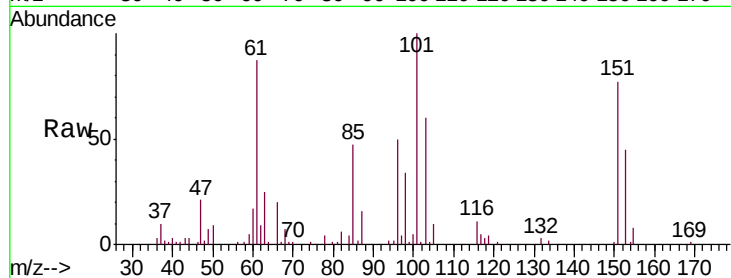




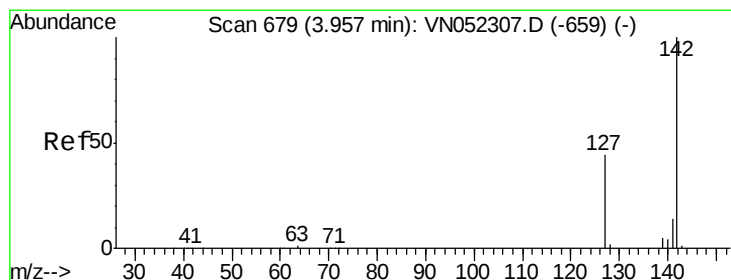
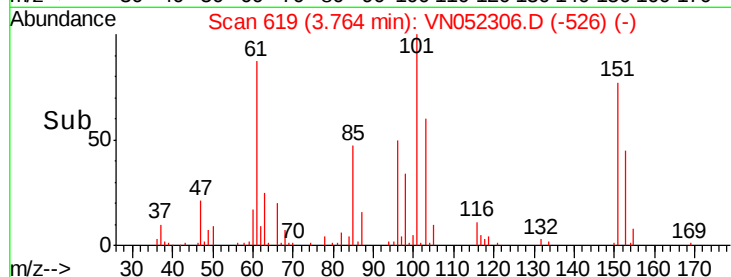
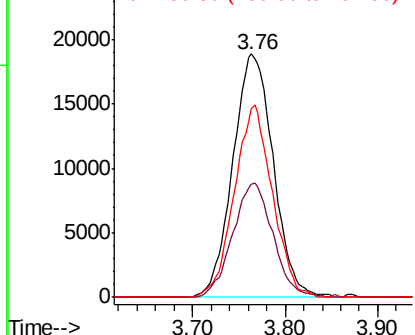
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.258 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:101 Resp: 57325
 Ion Ratio Lower Upper
 101 100
 85 46.5 37.4 56.0
 151 74.1 58.6 88.0

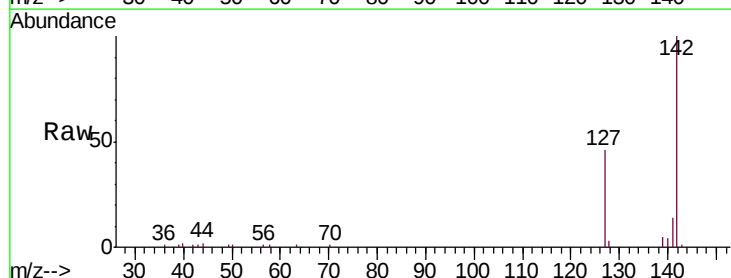


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

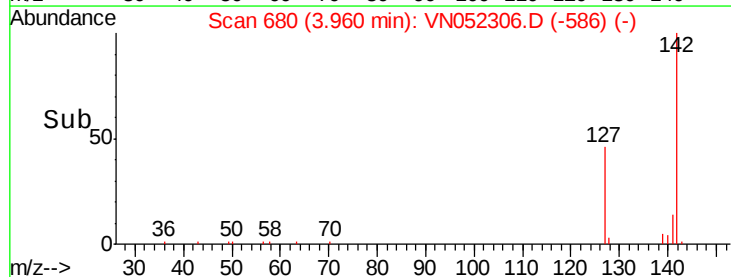
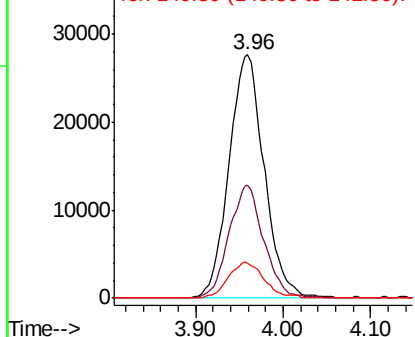


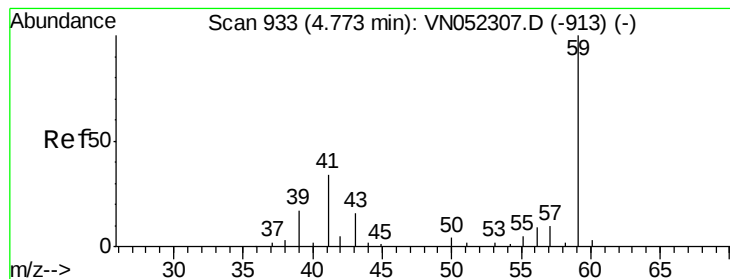
#10
 Methyl Iodide
 Concen: 19.302 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion:142 Resp: 77144
 Ion Ratio Lower Upper
 142 100
 127 45.5 36.3 54.5
 141 14.8 11.4 17.2



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



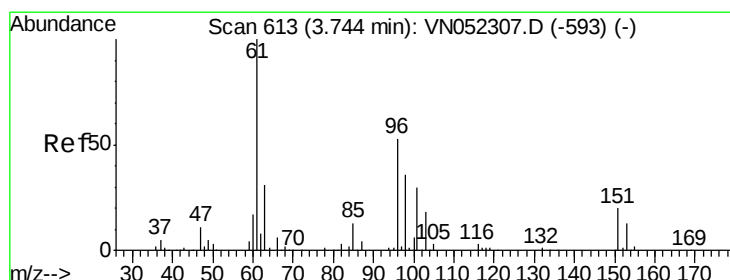
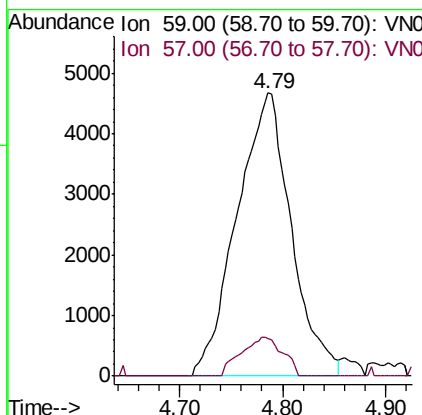
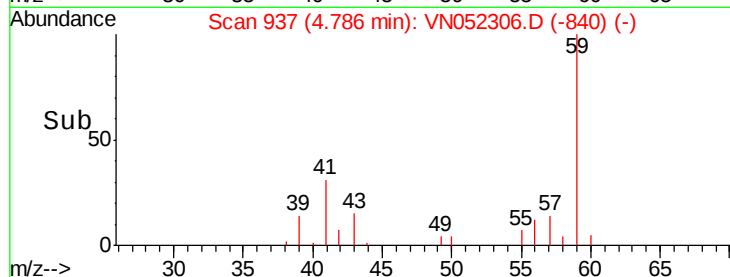
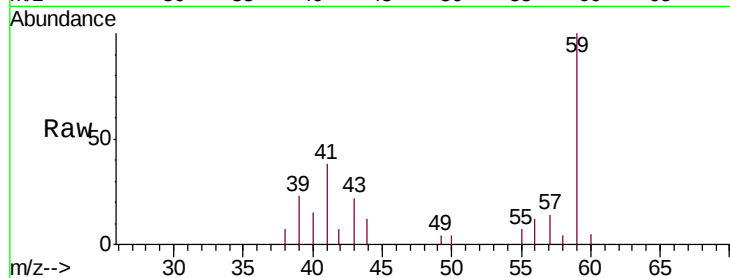


#11

Tert butyl alcohol
 Concen: 85.235 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

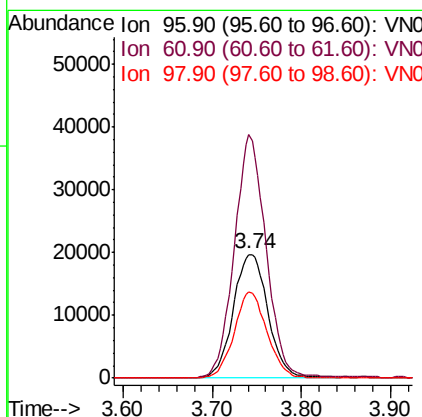
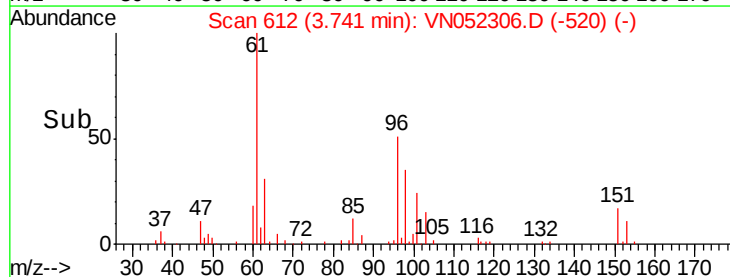
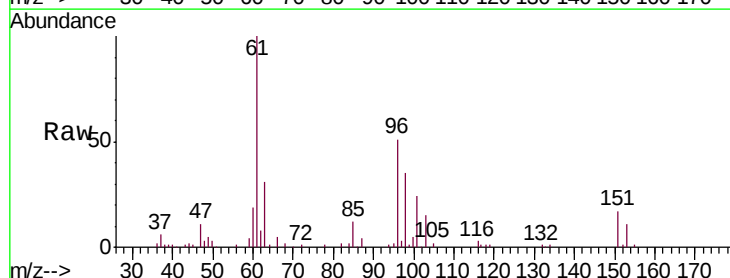
Tgt Ion: 59 Resp: 17078
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

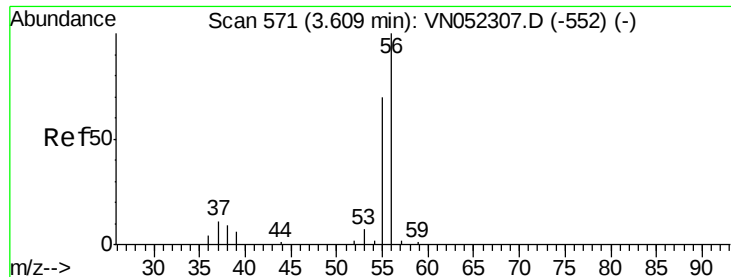


#12

1,1-Dichloroethene
 Concen: 19.324 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 96 Resp: 53229
 Ion Ratio Lower Upper
 96 100
 61 197.1 149.6 224.4
 98 69.8 54.2 81.2





#13

Acrolein

Concen: 102.948 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

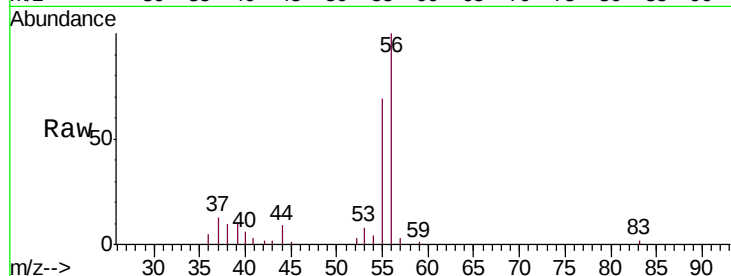
VSTDIC020

Tgt Ion: 56 Resp: 28375

Ion Ratio Lower Upper

56 100

55 72.4 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

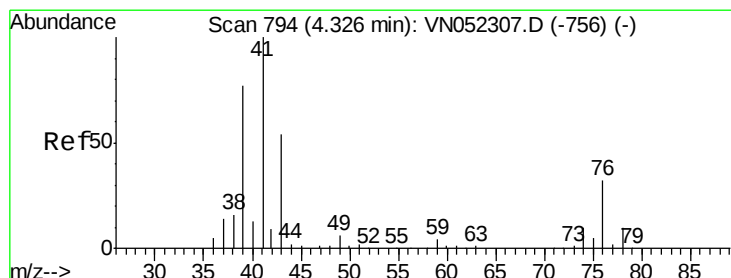
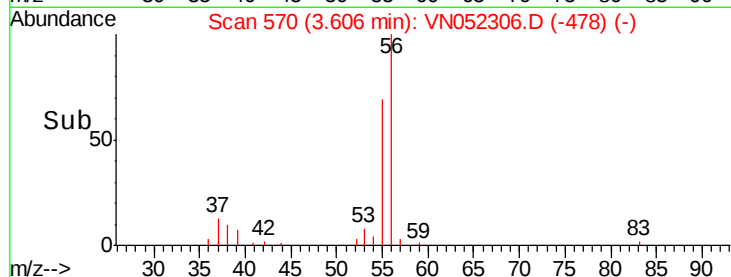
4000

2000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 18.034 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

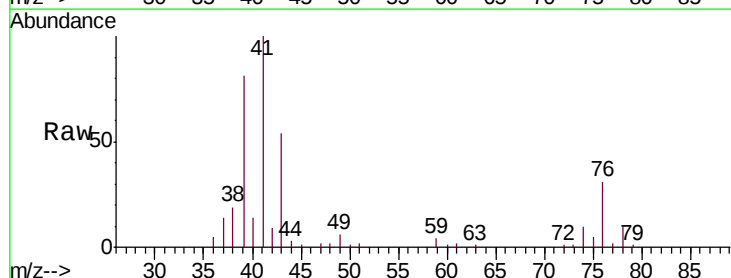
Tgt Ion: 41 Resp: 102002

Ion Ratio Lower Upper

41 100

39 76.3 59.1 88.7

76 32.1 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

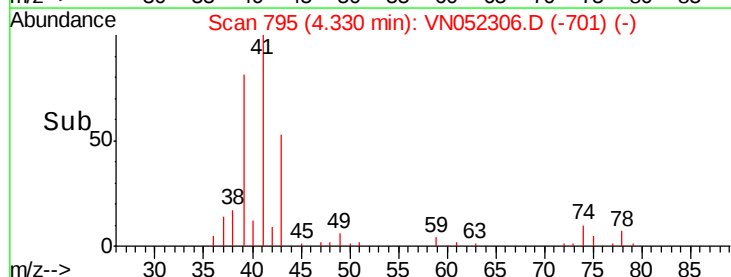
20000

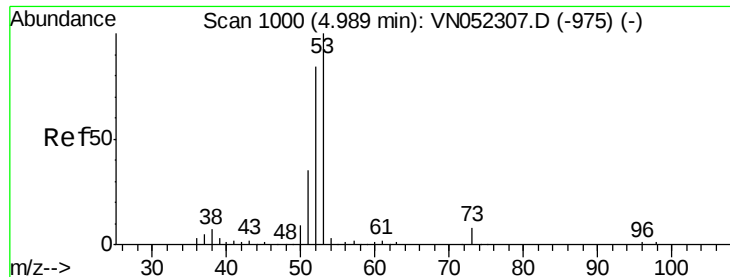
10000

0

4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 95.875 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

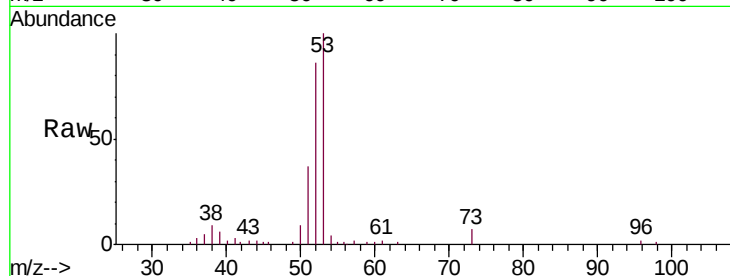
Tgt Ion: 53 Resp: 110833

Ion Ratio Lower Upper

53 100

52 83.7 67.5 101.3

51 38.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052306.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052306.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052306.D (-975) (-)

4.99

30000

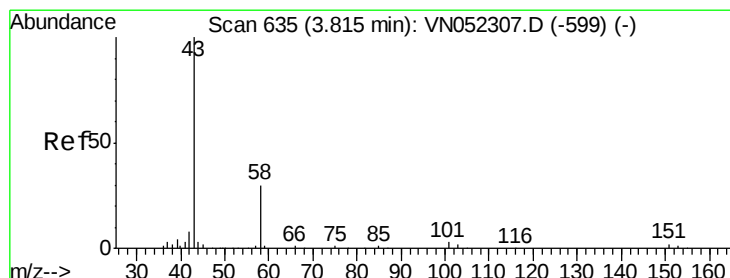
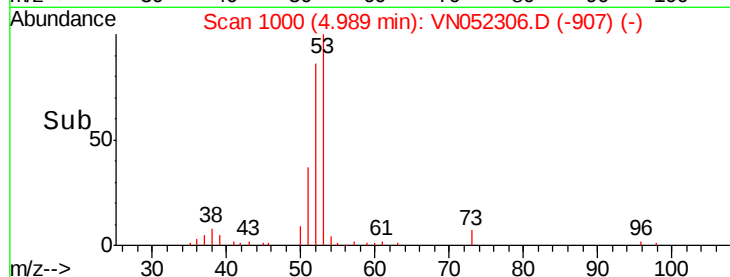
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 96.227 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052306.D

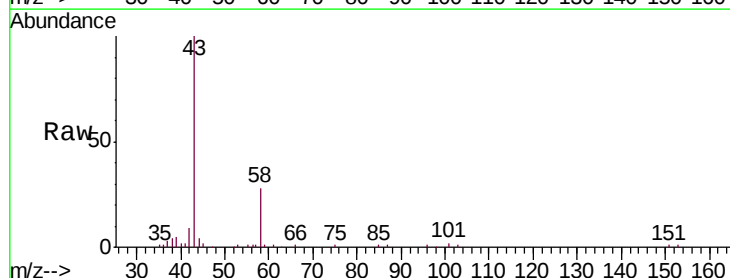
Acq: 14 Nov 2018 11:24

Tgt Ion: 43 Resp: 101828

Ion Ratio Lower Upper

43 100

58 27.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052306.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052306.D (-542) (-)

3.82

40000

30000

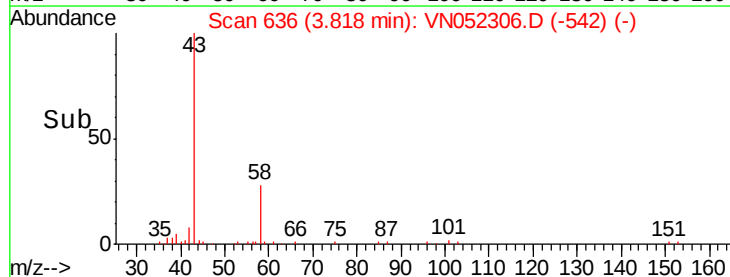
20000

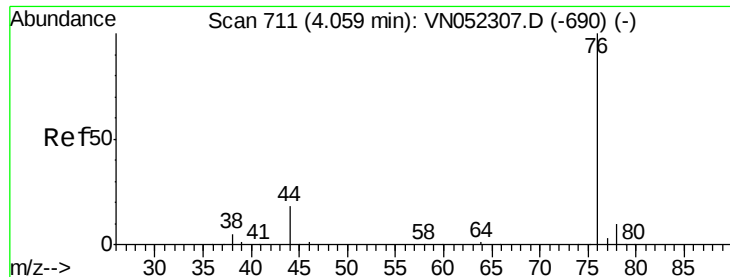
10000

0

3.70 3.80 3.90

Time-->

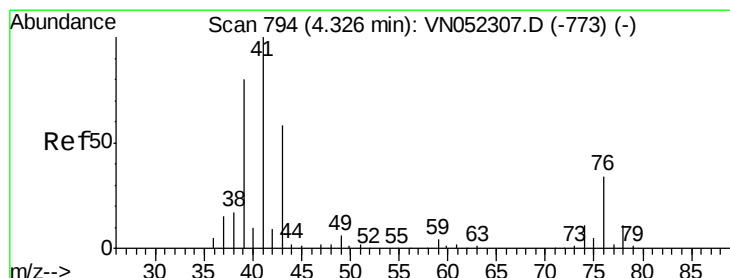
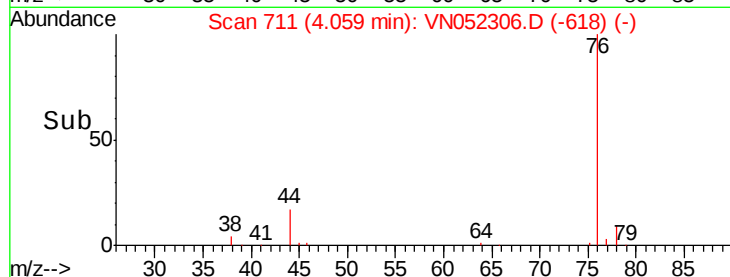
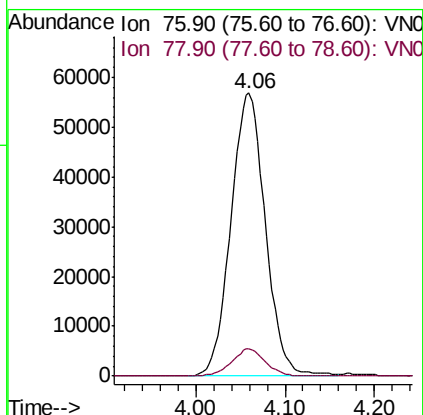
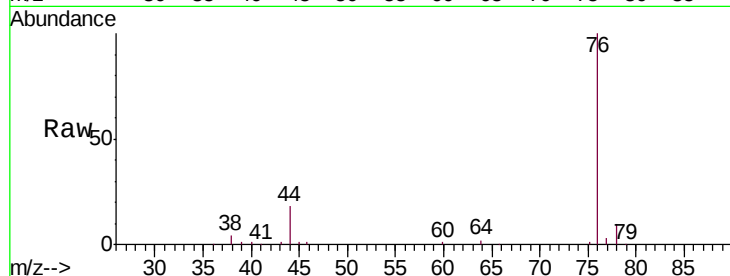




#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

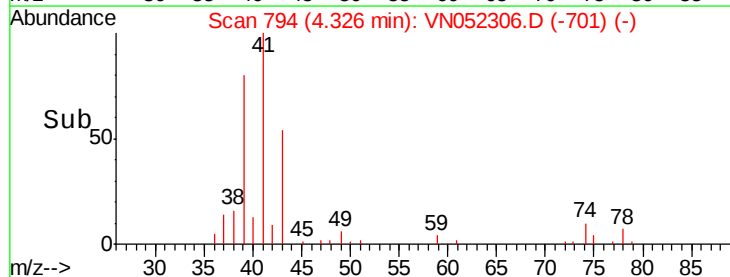
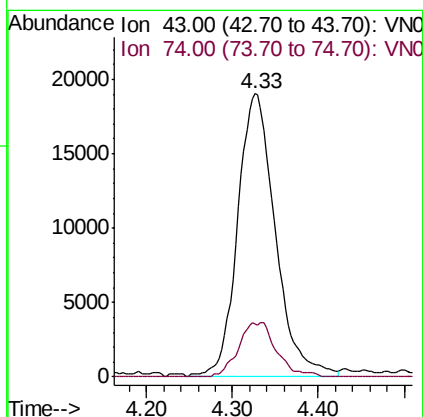
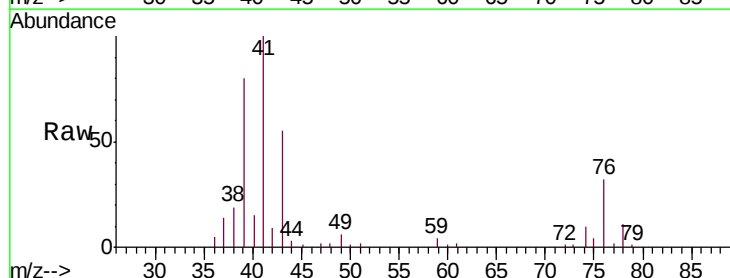
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

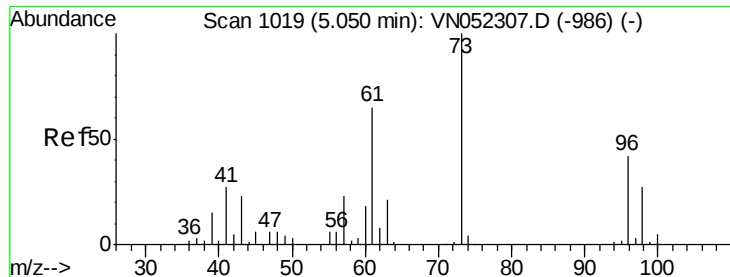
Tgt Ion: 76 Resp: 151970
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5



#18
Methyl Acetate
Concen: 19.275 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 43 Resp: 58207
Ion Ratio Lower Upper
43 100
74 10.2 15.9 23.9#





#19

Methyl tert-butyl Ether

Concen: 19.658 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

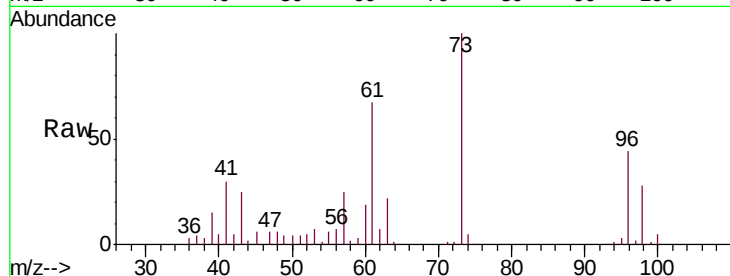
VSTDIC020

Tgt Ion: 73 Resp: 155615

Ion Ratio Lower Upper

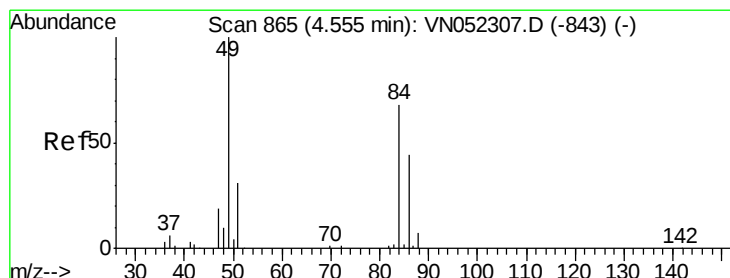
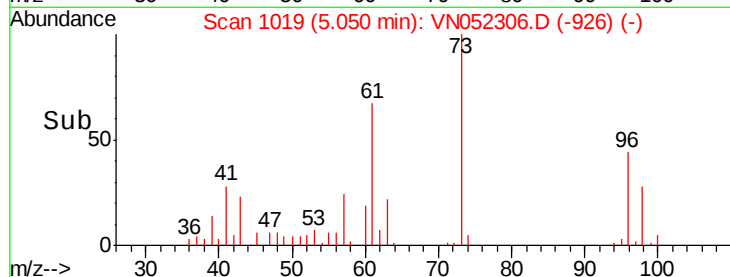
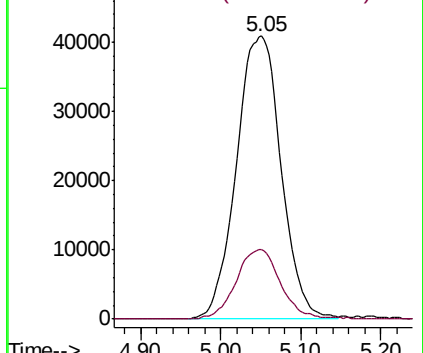
73 100

57 24.7 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VN052307.D (-986) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-986) (-)



#20

Methylene Chloride

Concen: 18.508 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion: 84 Resp: 64114

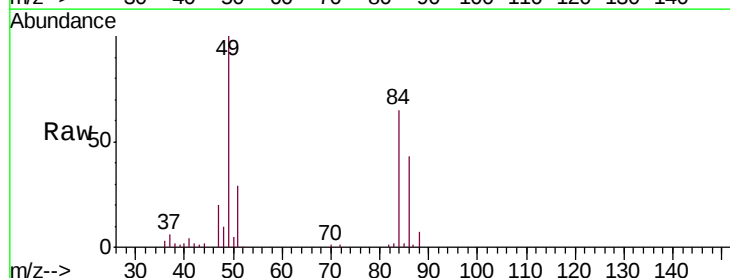
Ion Ratio Lower Upper

84 100

49 154.8 118.2 177.2

51 44.8 36.1 54.1

86 66.5 51.6 77.4

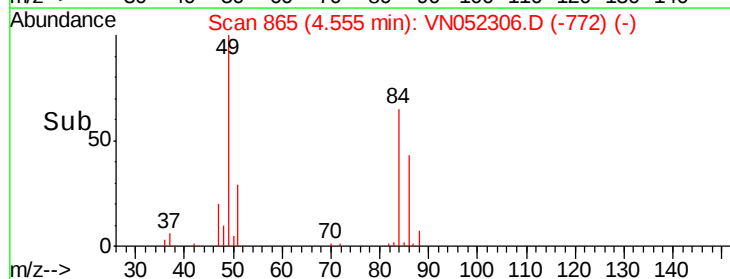
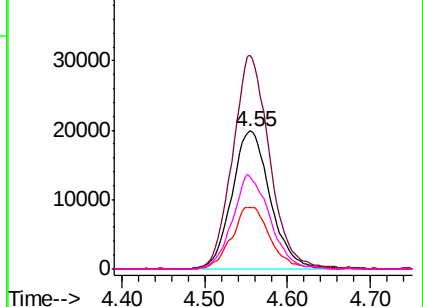


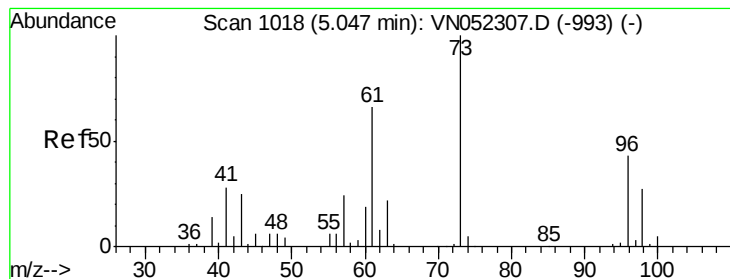
Abundance Ion 83.90 (83.60 to 84.60): VN052307.D (-843) (-)

Ion 48.90 (48.60 to 49.60): VN052307.D (-843) (-)

Ion 50.90 (50.60 to 51.60): VN052307.D (-843) (-)

Ion 85.90 (85.60 to 86.60): VN052307.D (-843) (-)





#21

trans-1,2-Dichloroethene

Concen: 20.155 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

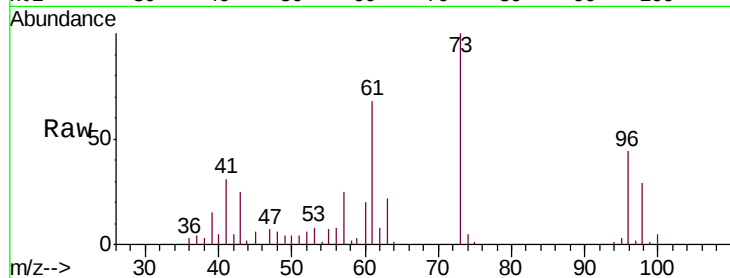
Tgt Ion: 96 Resp: 57510

Ion Ratio Lower Upper

96 100

61 152.7 123.6 185.4

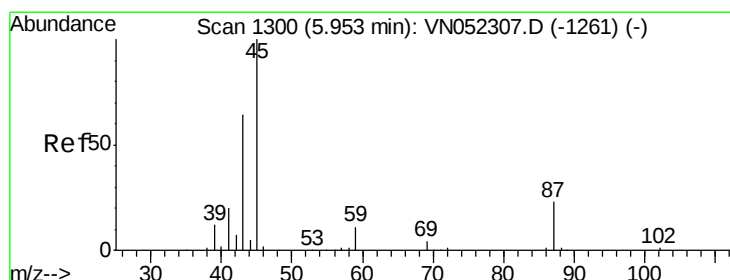
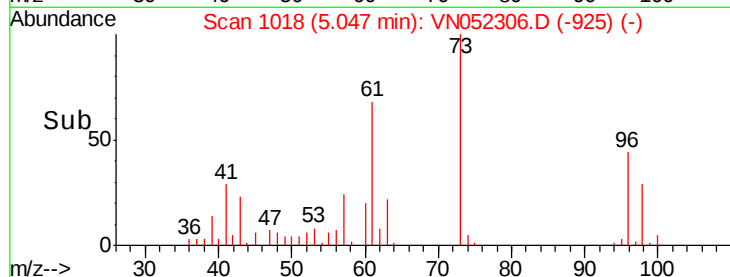
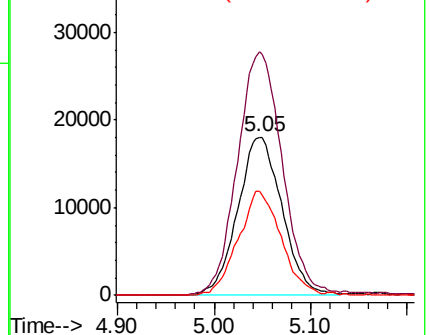
98 66.0 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN052306.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN052306.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN052306.D (-1207) (-)



#22

Diisopropyl ether

Concen: 19.735 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion: 45 Resp: 230186

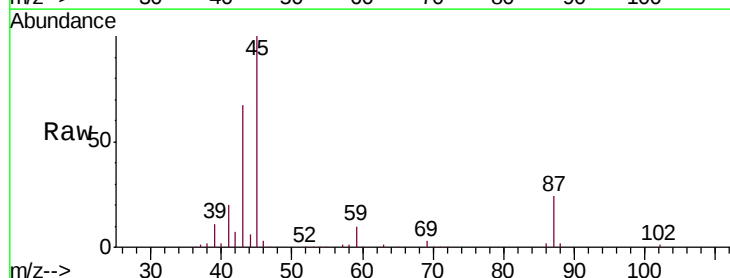
Ion Ratio Lower Upper

45 100

43 64.4 51.4 77.2

87 24.0 18.8 28.2

59 9.9 8.6 12.8

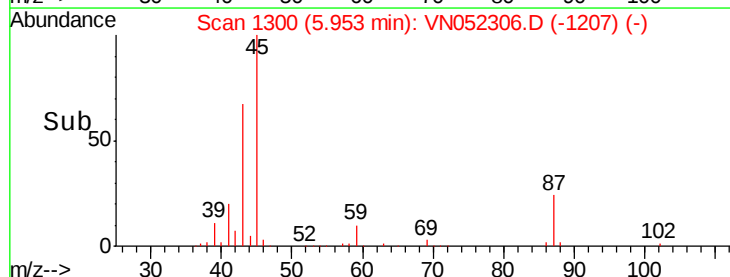
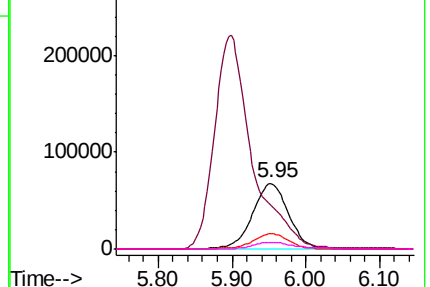


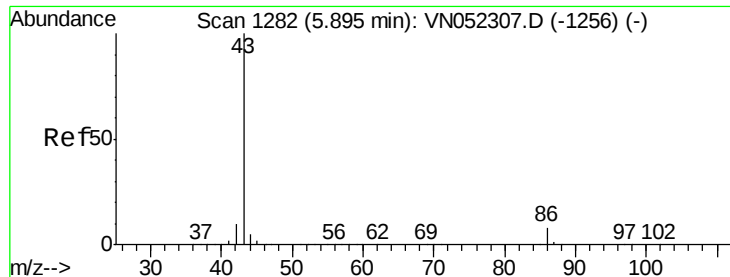
Abundance Ion 45.00 (44.70 to 45.70): VN052306.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN052306.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN052306.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN052306.D (-1207) (-)





#23

Vinyl Acetate

Concen: 100.194 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

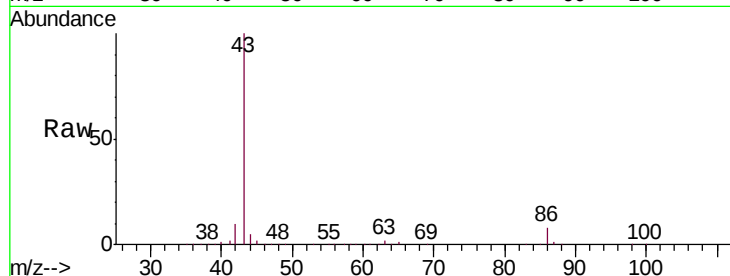
VSTDIC020

Tgt Ion: 43 Resp: 784379

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN052307.D (-1256) (-)

5.90

250000

200000

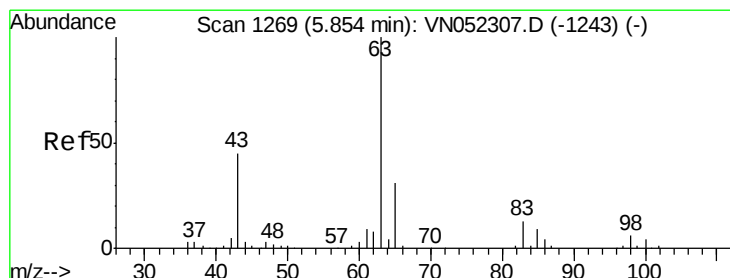
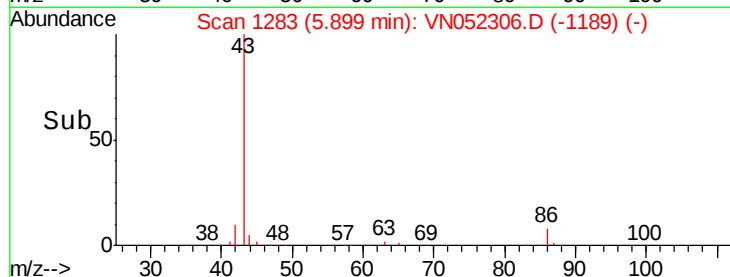
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.479 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

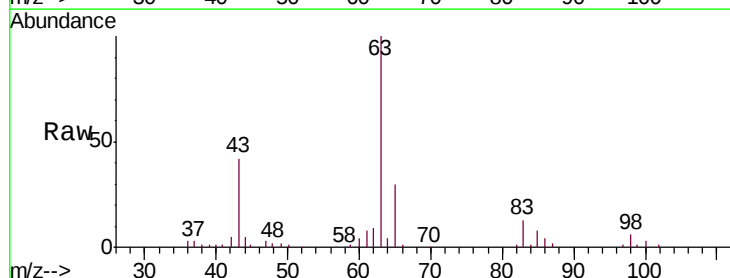
Tgt Ion: 63 Resp: 120540

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052307.D (-1243) (-)

5.85

50000

40000

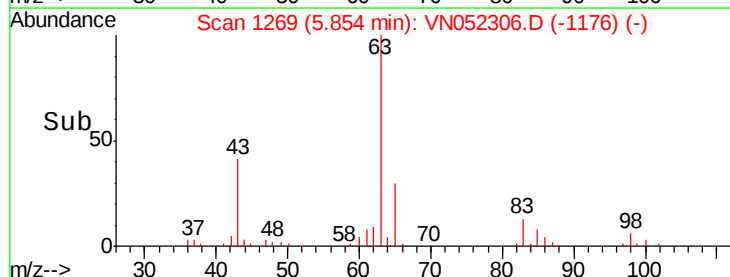
30000

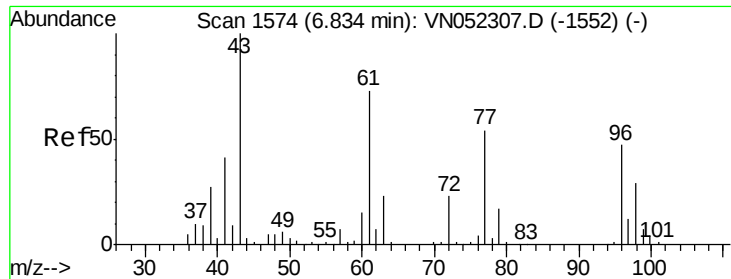
20000

10000

0

Time--> 5.70 5.80 5.90

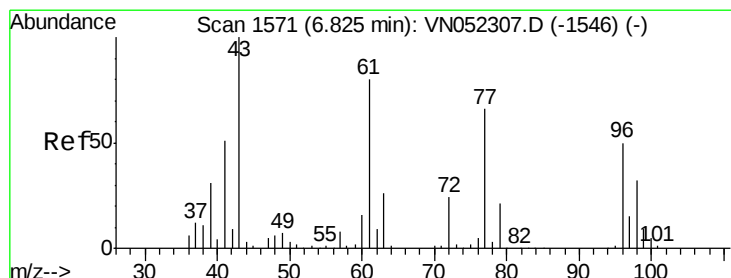
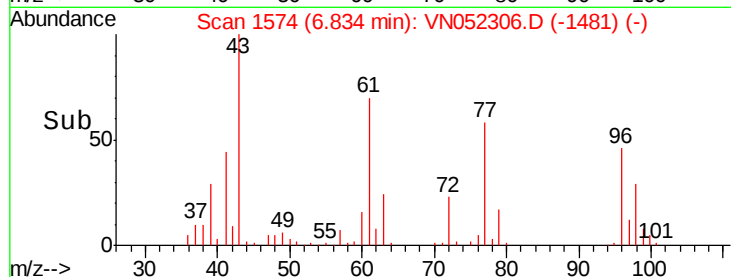
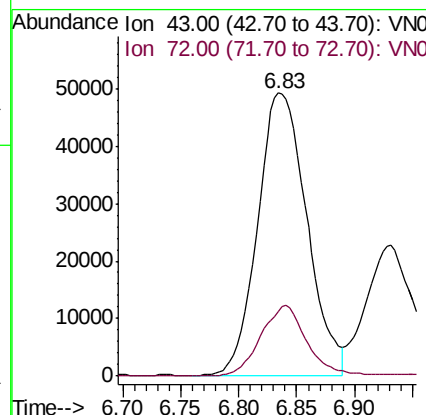
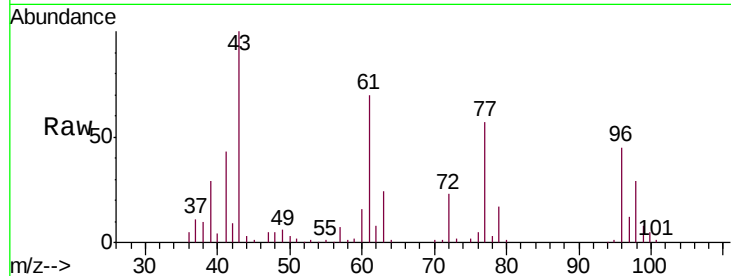




#25
2-Butanone
Concen: 99.607 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

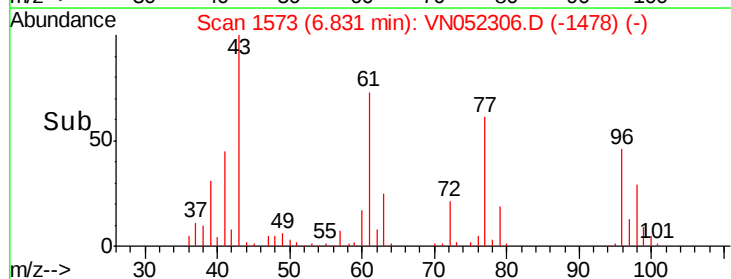
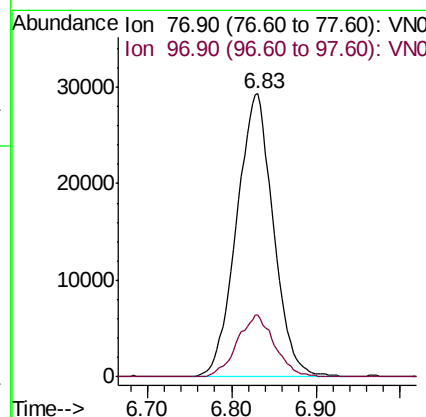
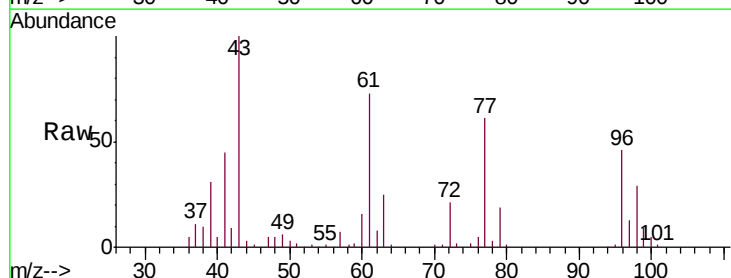
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

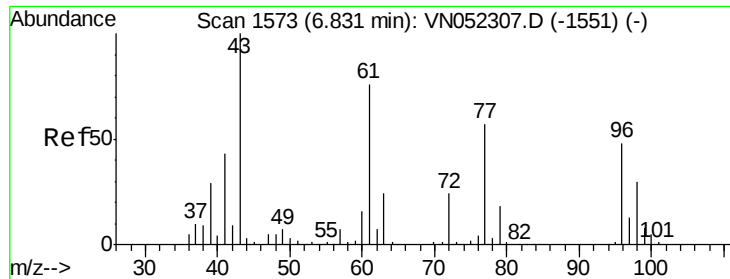
Tgt Ion: 43 Resp: 145893
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8



#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 77 Resp: 88810
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1

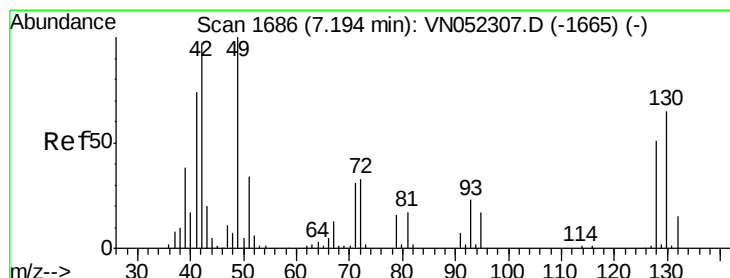
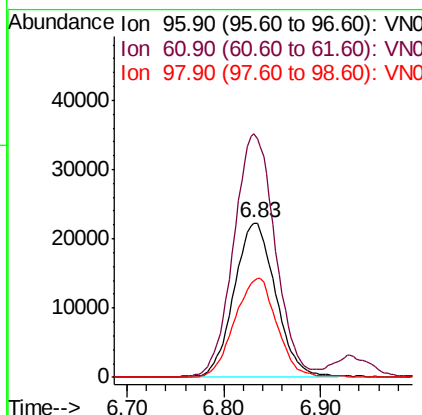
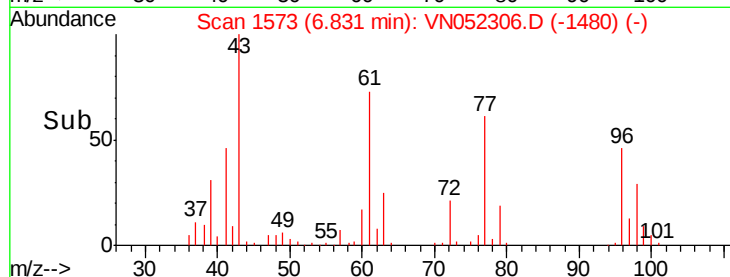
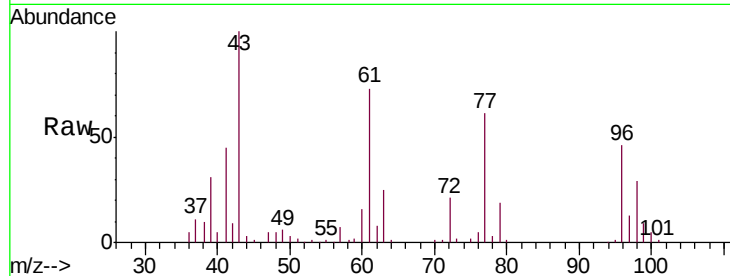




#27
 cis-1,2-Dichloroethene
 Concen: 19.340 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

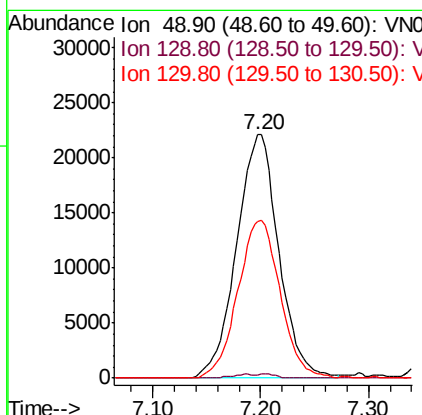
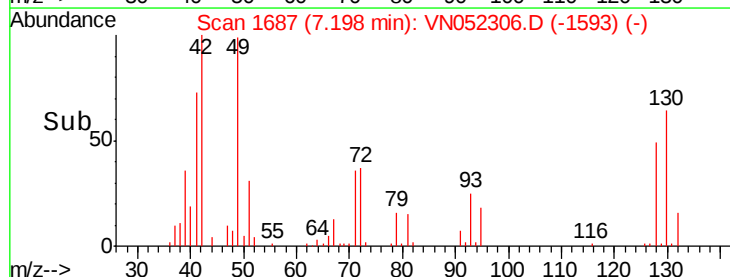
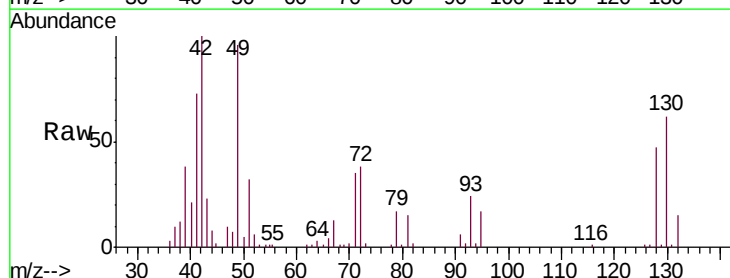
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

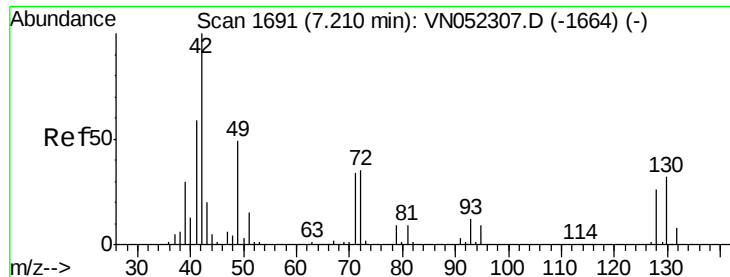
Tgt Ion: 96 Resp: 66771
 Ion Ratio Lower Upper
 96 100
 61 158.1 0.0 316.8
 98 64.7 0.0 126.6



#28
 Bromochloromethane
 Concen: 18.847 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 49 Resp: 59969
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.0
 130 64.9 50.4 75.6





#29

Tetrahydrofuran

Concen: 95.023 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

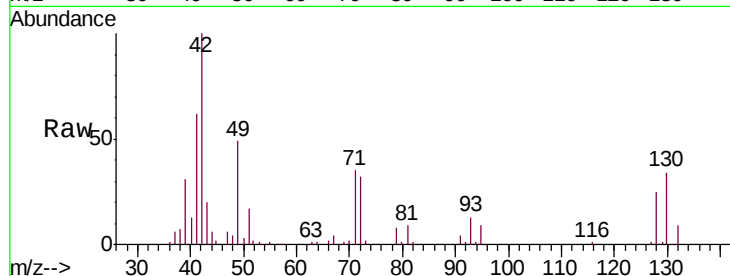
Tgt Ion: 42 Resp: 92148

Ion Ratio Lower Upper

42 100

72 36.2 28.6 42.8

71 33.9 26.7 40.1

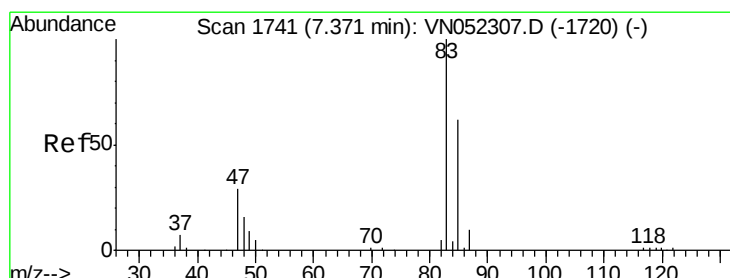
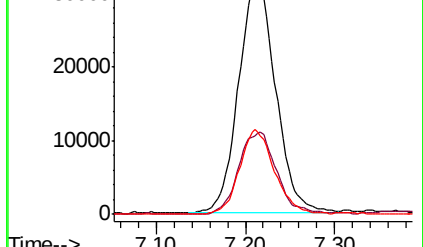
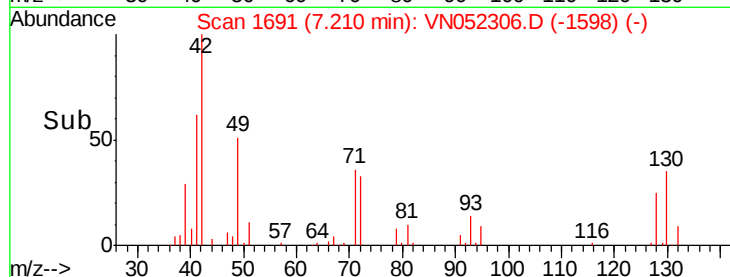


Abundance Ion 42.00 (41.70 to 42.70): VN052307.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN052307.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN052307.D (-1664) (-)

Time-->



#30

Chloroform

Concen: 19.605 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052306.D

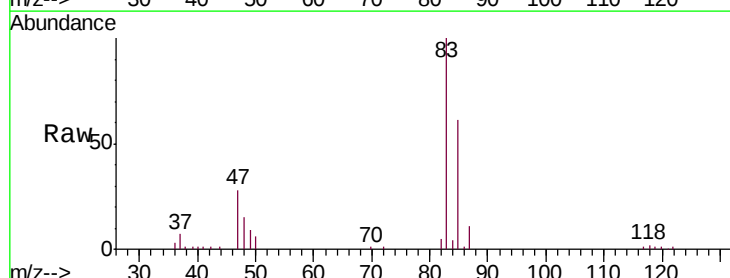
Acq: 14 Nov 2018 11:24

Tgt Ion: 83 Resp: 115619

Ion Ratio Lower Upper

83 100

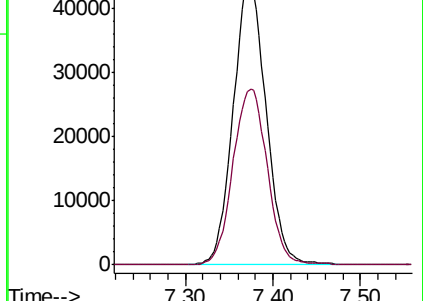
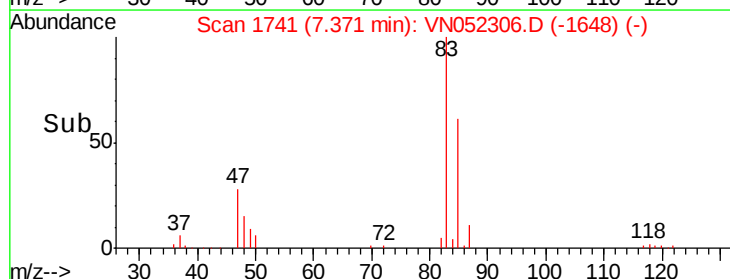
85 61.0 49.4 74.2

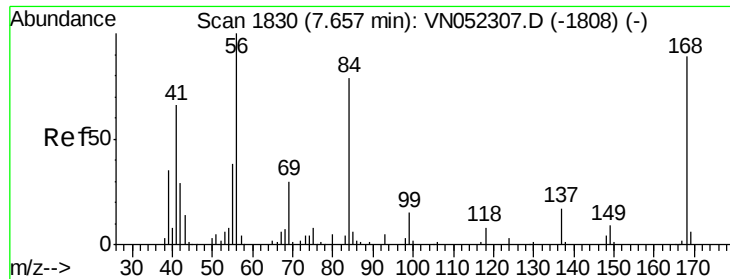


Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-1720) (-)

Time-->

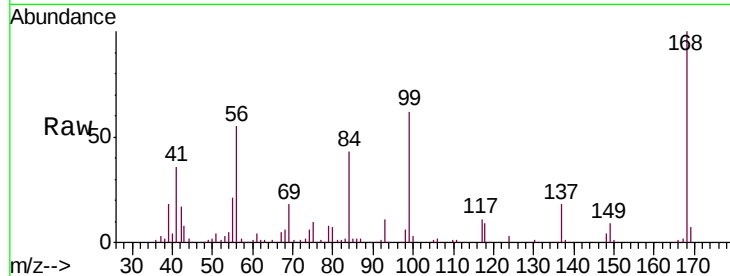




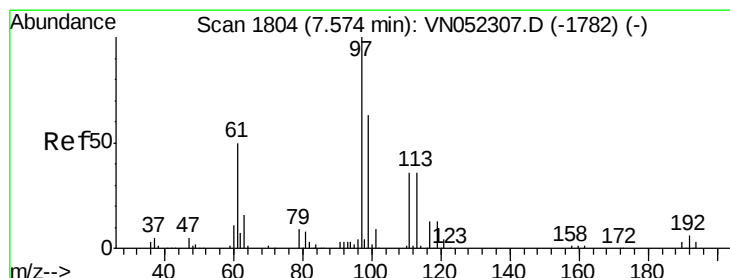
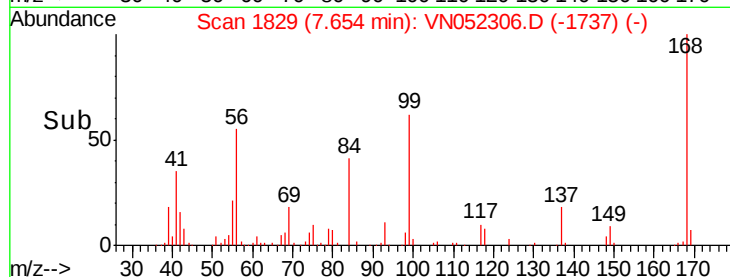
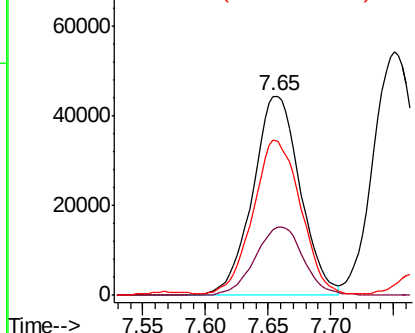
#31
Cyclohexane
Concen: 16.290 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 116871
Ion Ratio Lower Upper
56 100
69 32.7 23.8 35.8
84 76.9 63.0 94.6

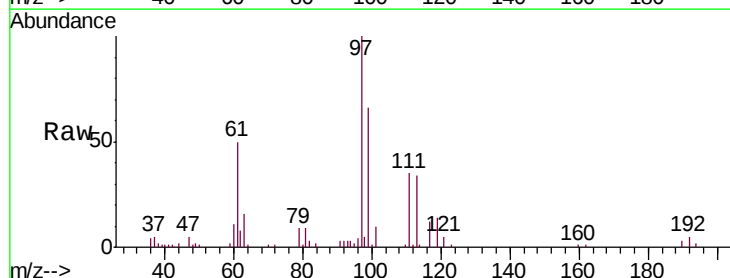


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

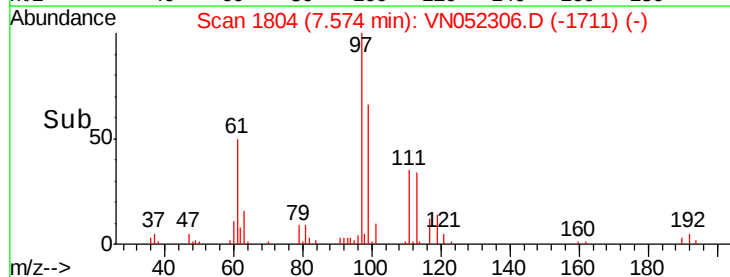
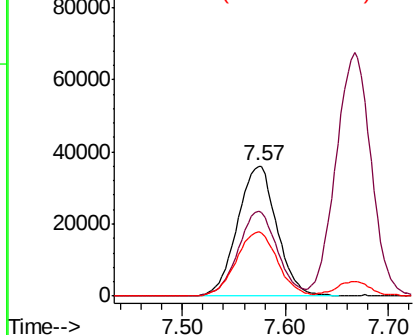


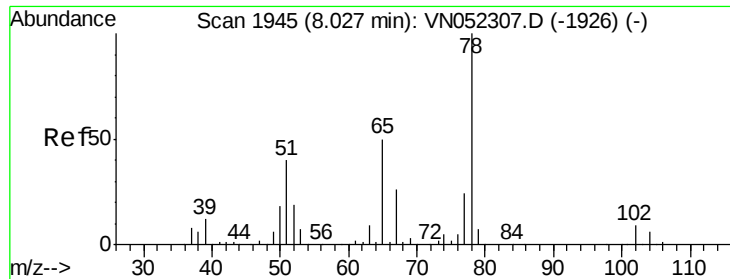
#32
1,1,1-Trichloroethane
Concen: 19.089 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 97 Resp: 95899
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.2
61 51.7 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

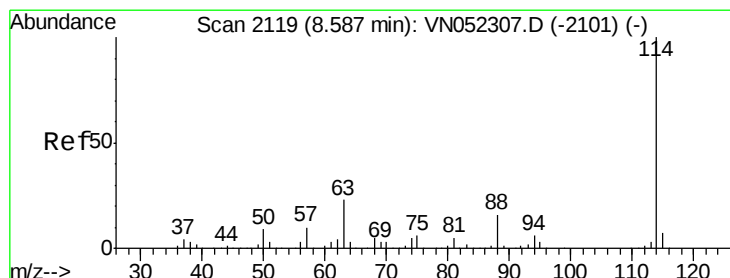
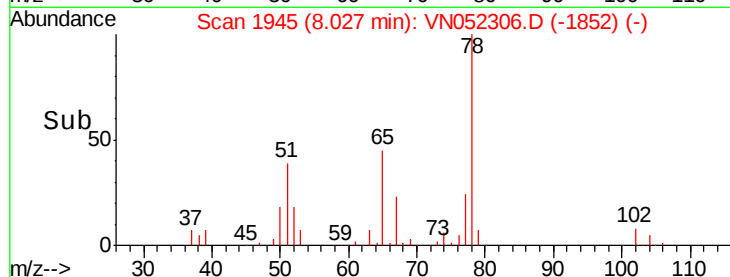
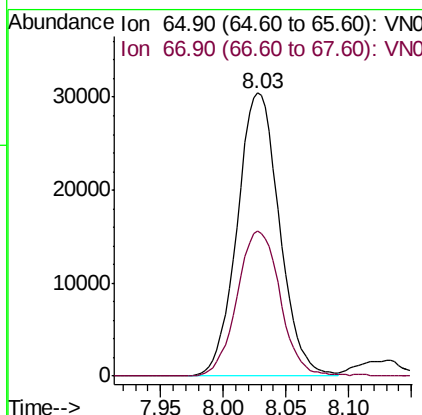
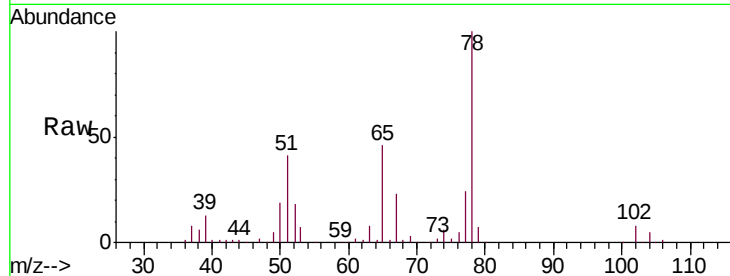




#33
 1,2-Dichloroethane-d4
 Concen: 19.089 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

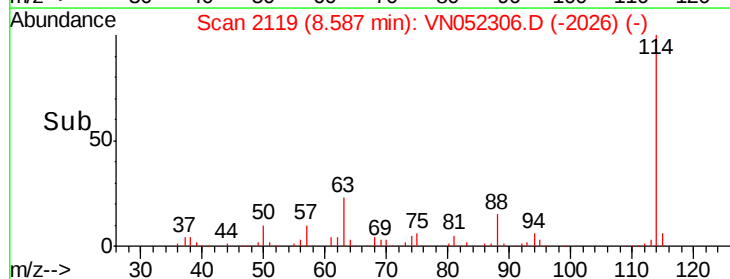
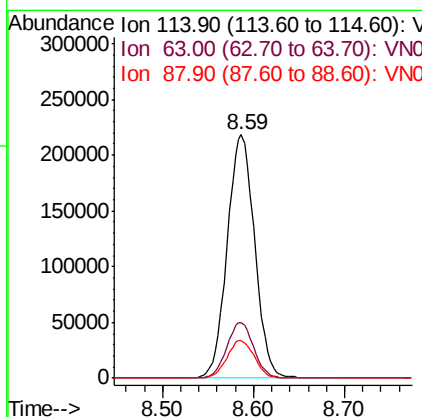
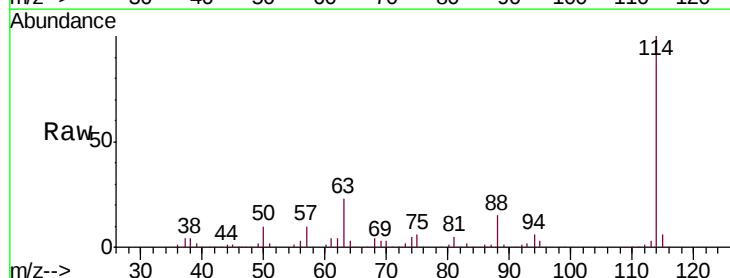
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

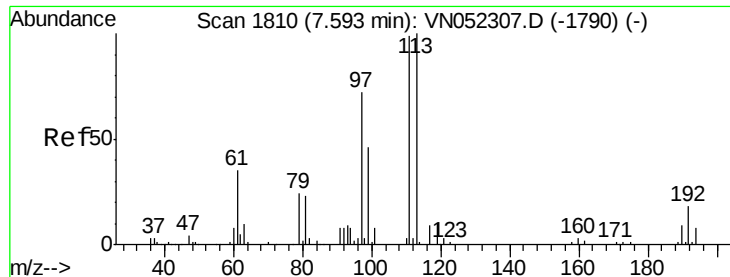
Tgt Ion: 65 Resp: 71398
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 114 Resp: 456240
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.4
 88 15.3 0.0 31.2

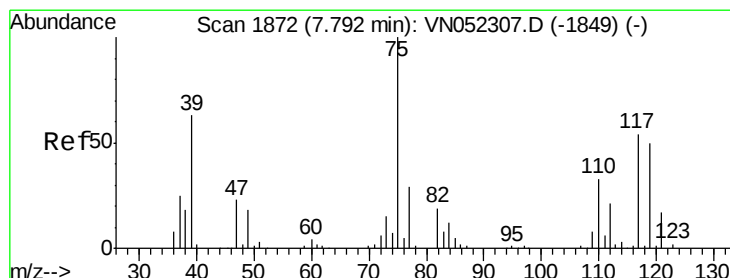
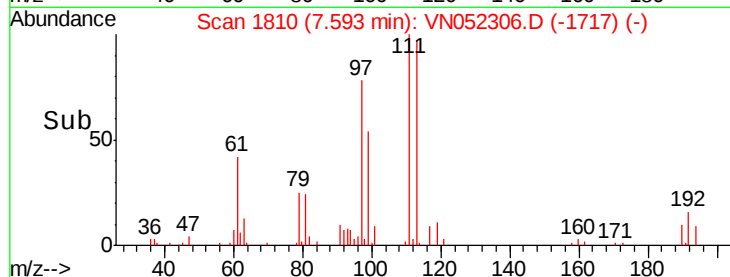
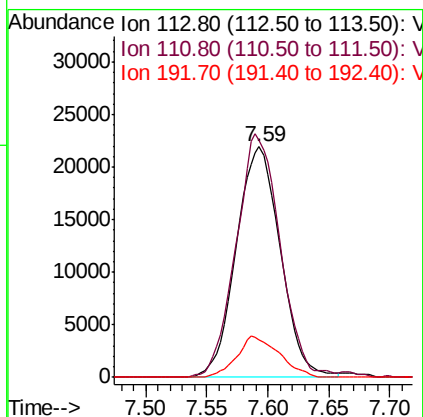
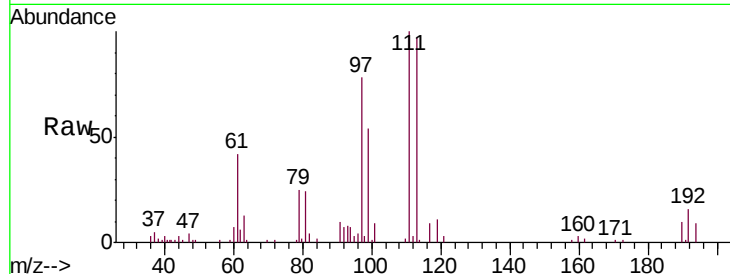




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

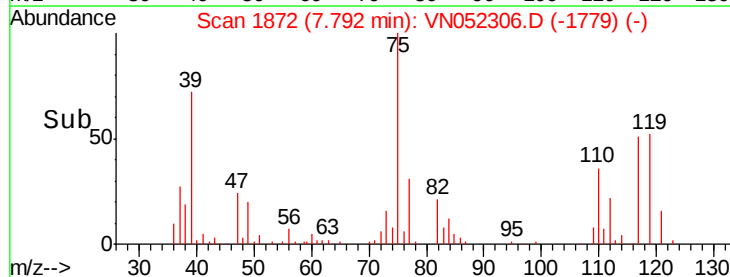
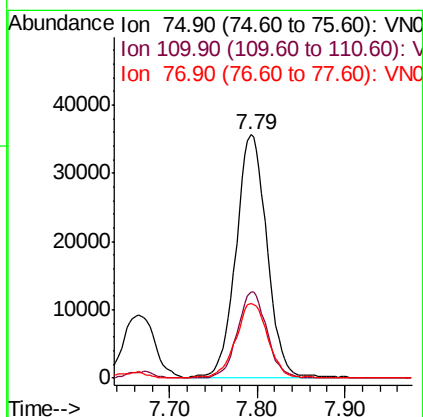
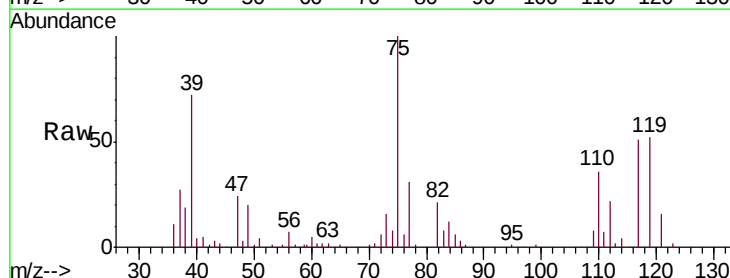
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

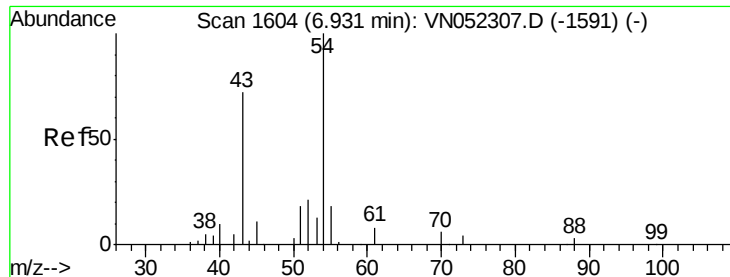
Tgt Ion: 113 Resp: 54960
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.0 121.6
 192 17.1 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 19.247 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 75 Resp: 88015
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.5 49.5
 77 31.5 24.2 36.2

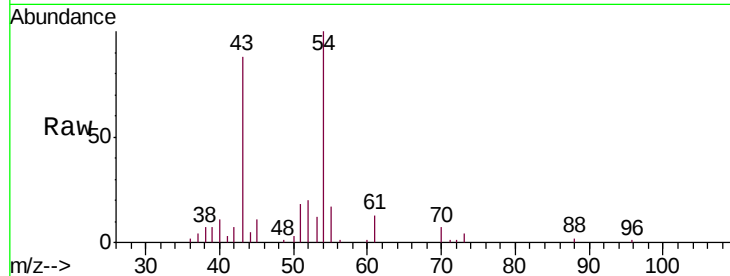




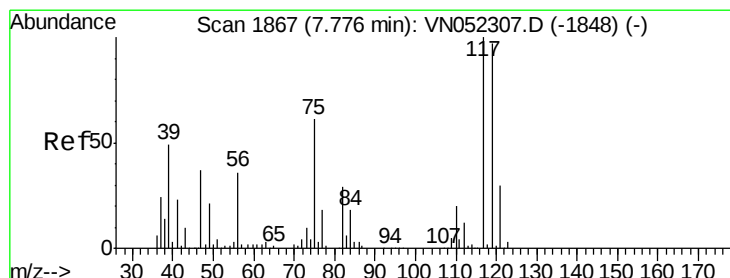
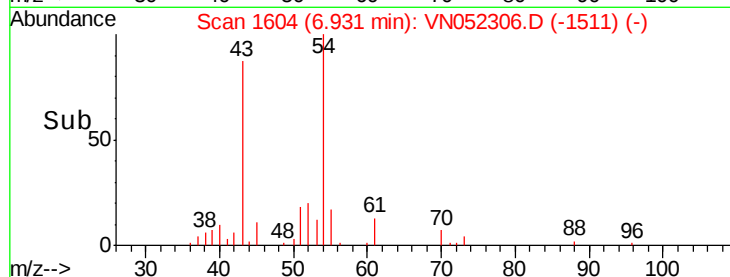
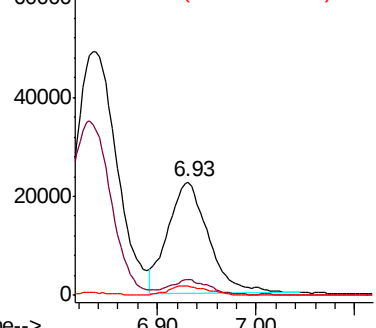
#37
Ethyl Acetate
Concen: 18.714 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 65388
Ion Ratio Lower Upper
43 100
61 12.4 10.3 15.5
70 8.1 5.6 8.4

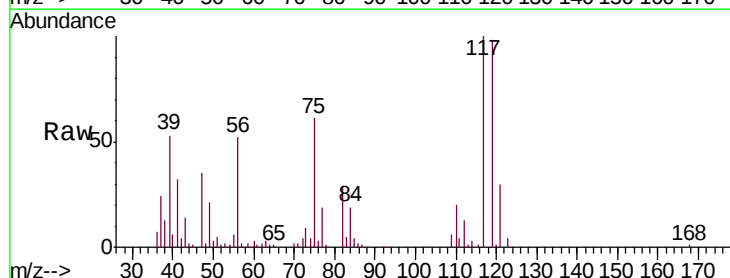


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

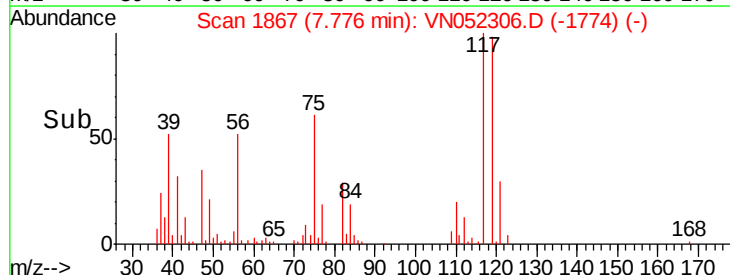
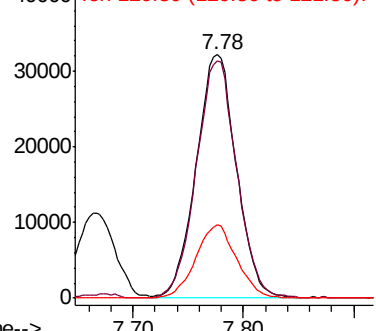


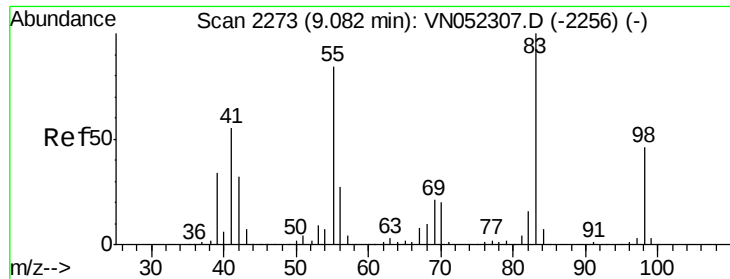
#38
Carbon Tetrachloride
Concen: 19.409 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 117 Resp: 81543
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 30.3 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

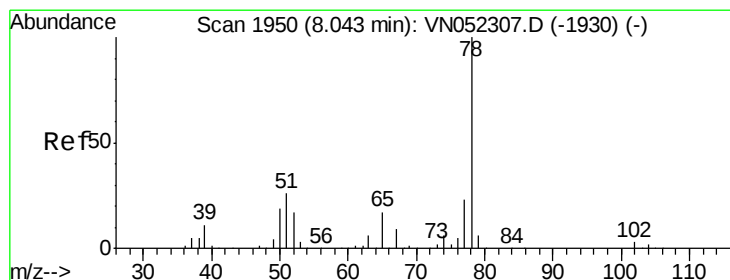
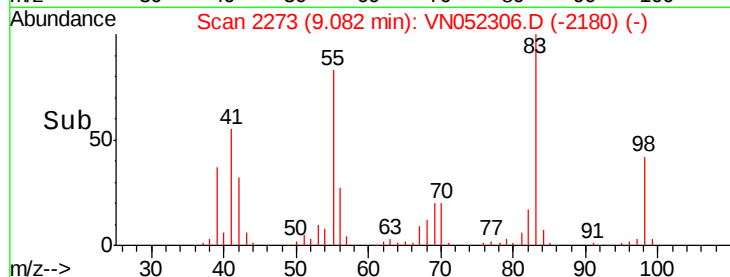
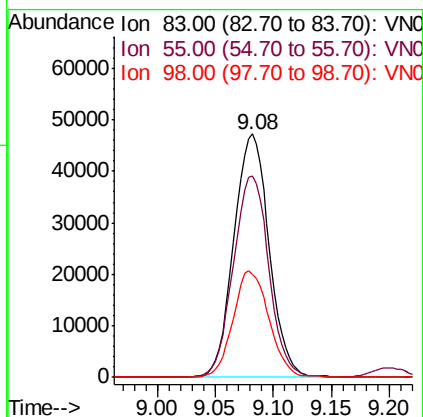
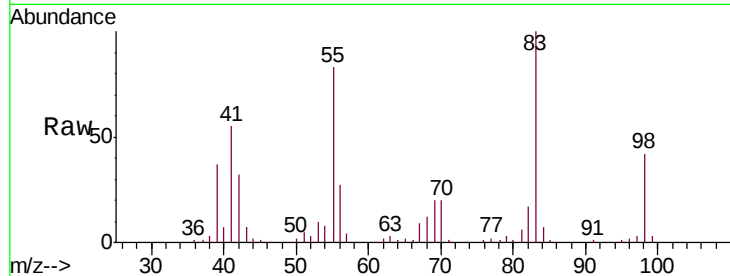




#39
Methylcyclohexane
Concen: 19.148 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

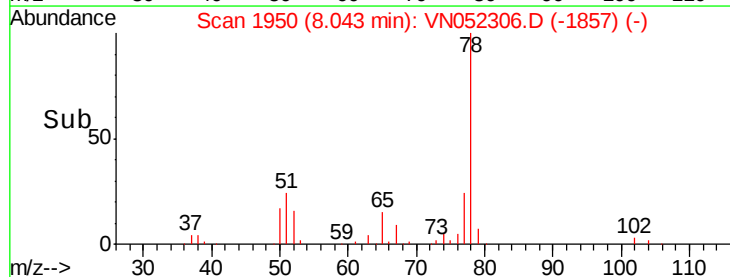
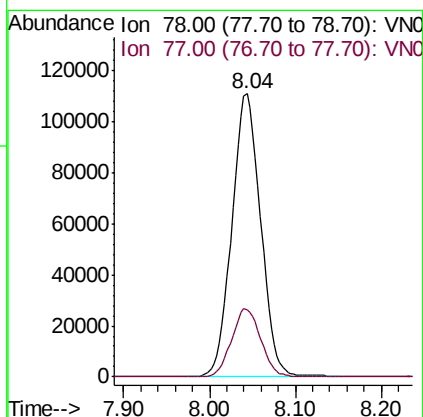
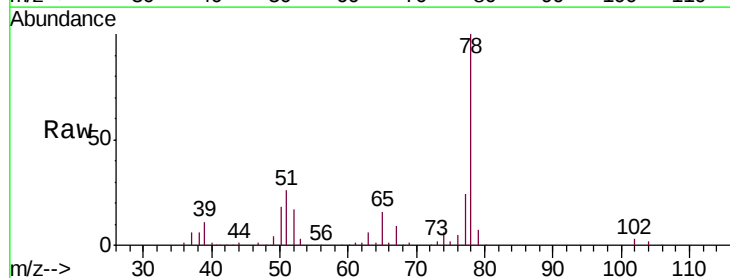
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

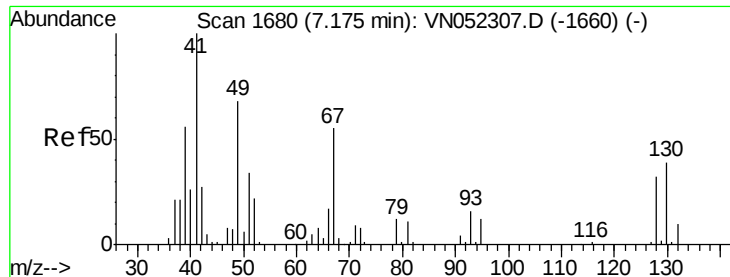
Tgt Ion: 83 Resp: 99956
Ion Ratio Lower Upper
83 100
55 82.7 66.8 100.2
98 42.5 36.4 54.6



#40
Benzene
Concen: 19.742 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 78 Resp: 257902
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

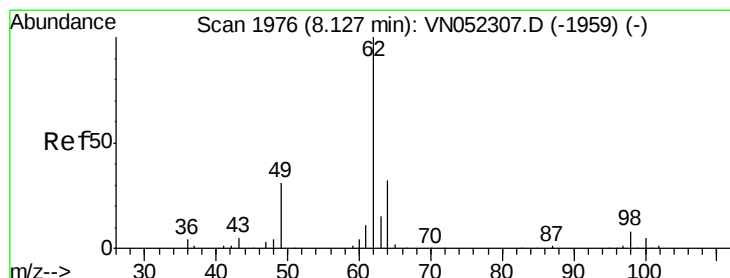
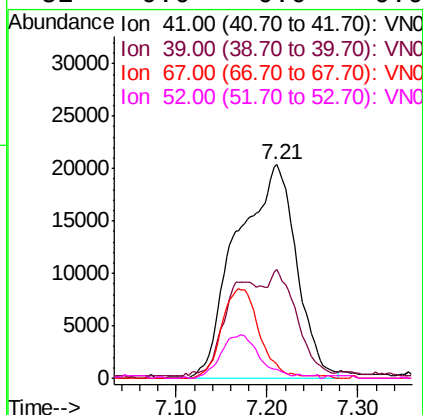
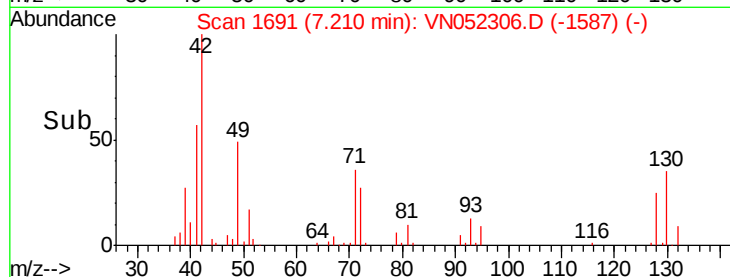
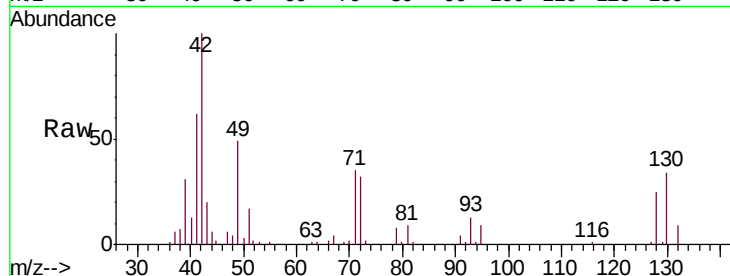




#41
Methacrylonitrile
Concen: 49.216 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

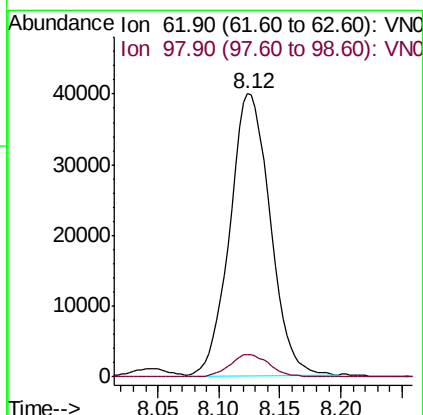
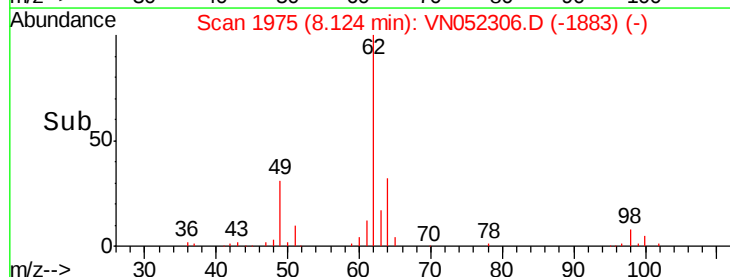
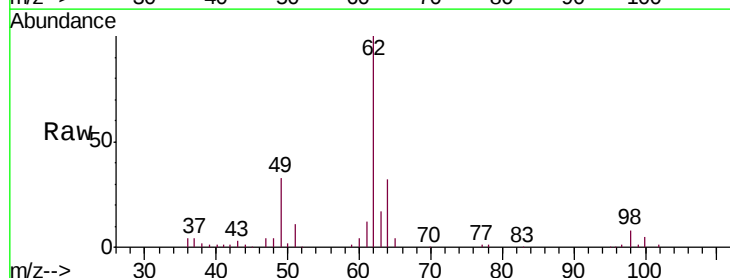
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

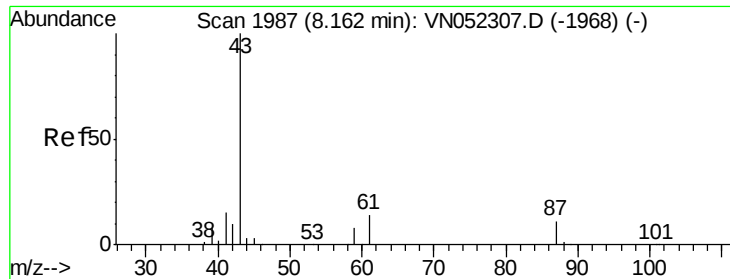
Tgt Ion:	41	Resp:	92536
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.621 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:	62	Resp:	91405
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.882 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

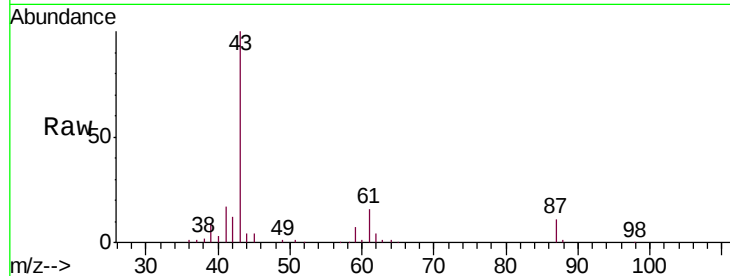
Tgt Ion: 43 Resp: 120918

Ion Ratio Lower Upper

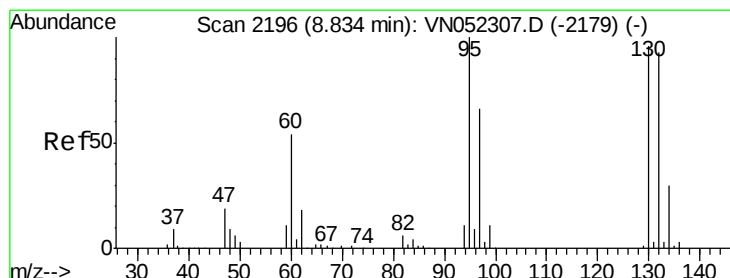
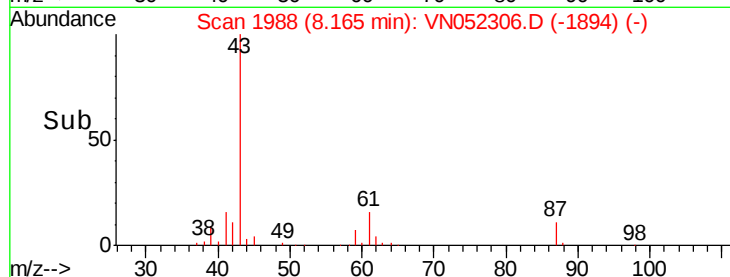
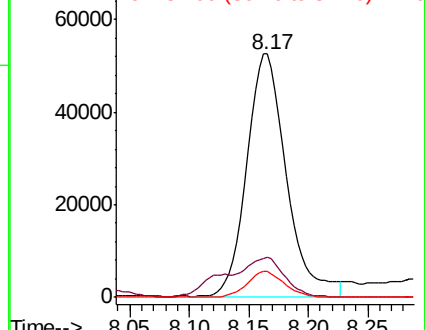
43 100

61 23.7 12.0 18.0#

87 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#44

Trichloroethene

Concen: 20.219 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052306.D

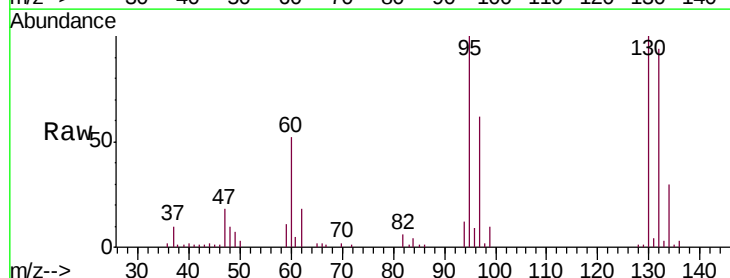
Acq: 14 Nov 2018 11:24

Tgt Ion:130 Resp: 65063

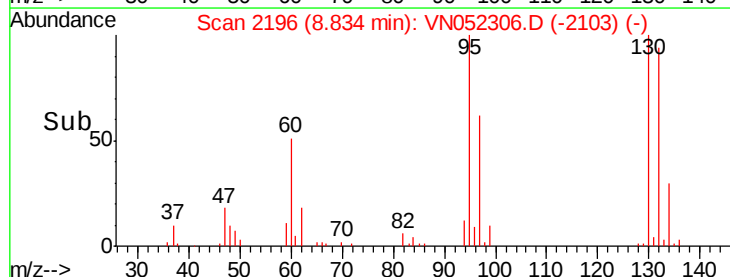
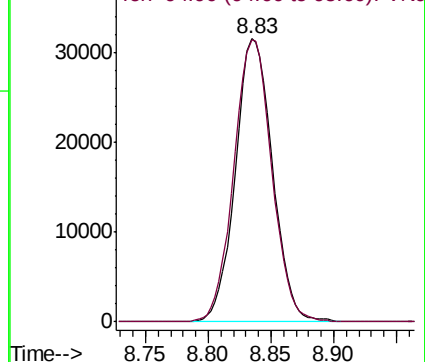
Ion Ratio Lower Upper

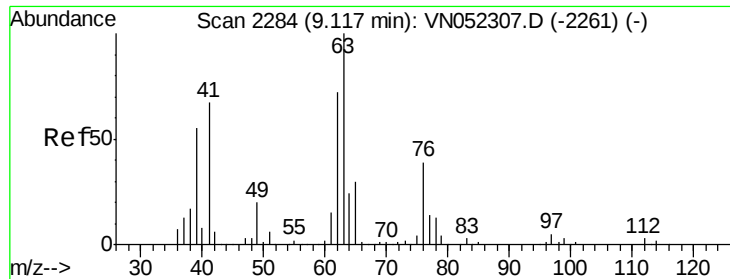
130 100

95 99.7 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VNO

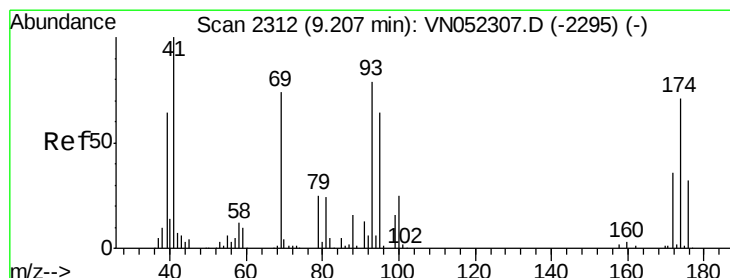
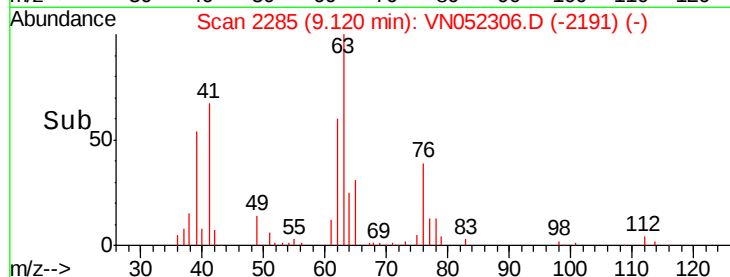
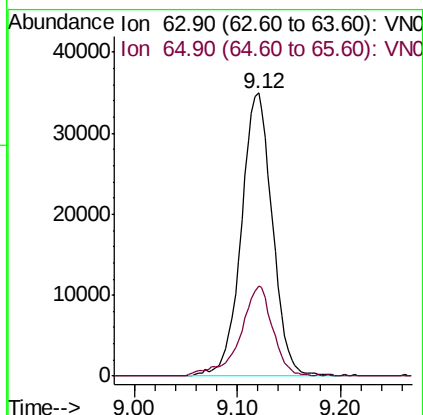
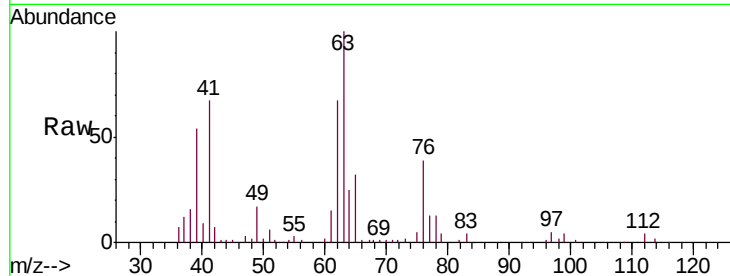




#45
 1,2-Dichloropropane
 Concen: 19.764 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

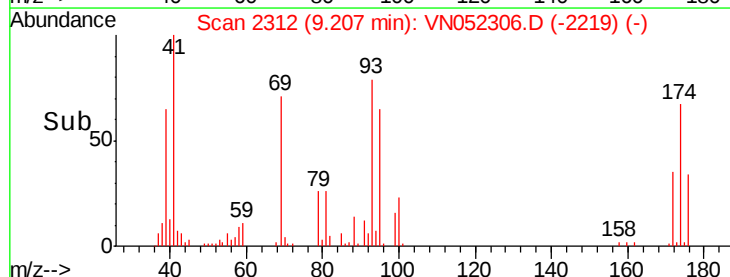
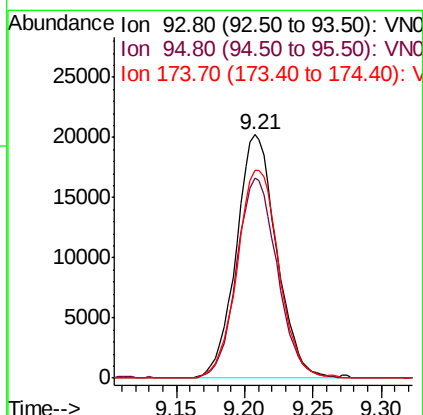
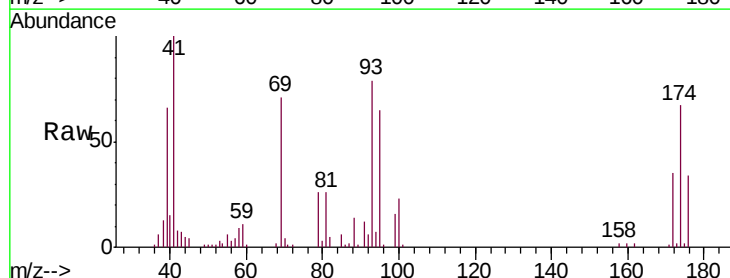
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

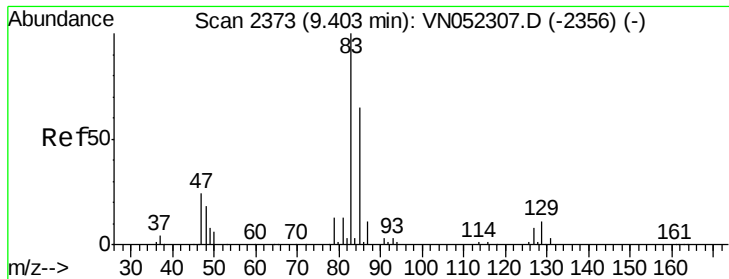
Tgt Ion: 63 Resp: 73272
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4



#46
 Dibromomethane
 Concen: 19.362 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 93 Resp: 41556
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.2 96.2
 174 87.7 70.9 106.3





#47

Bromodichloromethane

Concen: 19.506 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

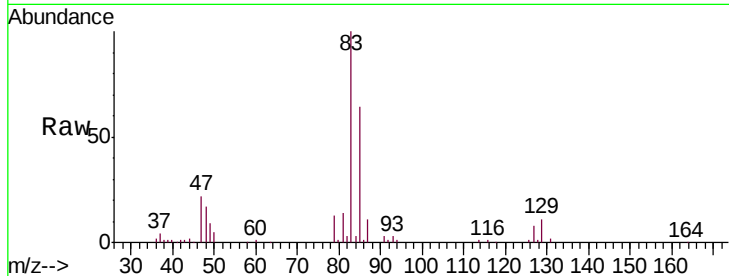
Tgt Ion: 83 Resp: 85911

Ion Ratio Lower Upper

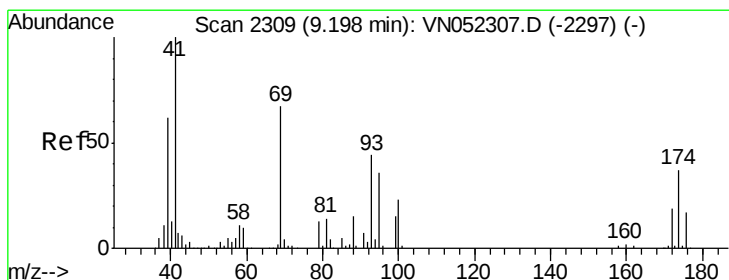
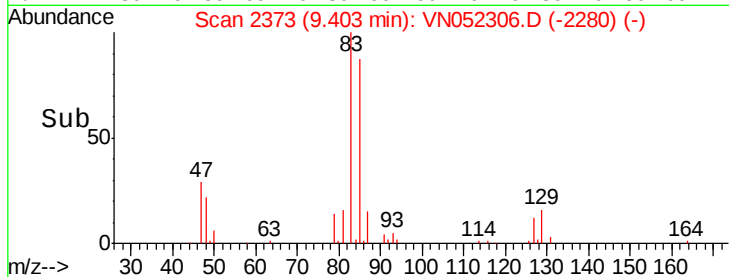
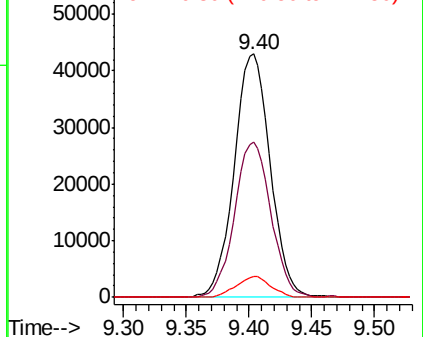
83 100

85 63.7 52.2 78.4

127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 18.320 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

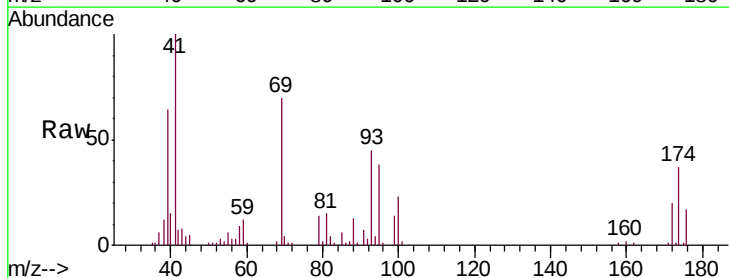
Tgt Ion: 41 Resp: 59530

Ion Ratio Lower Upper

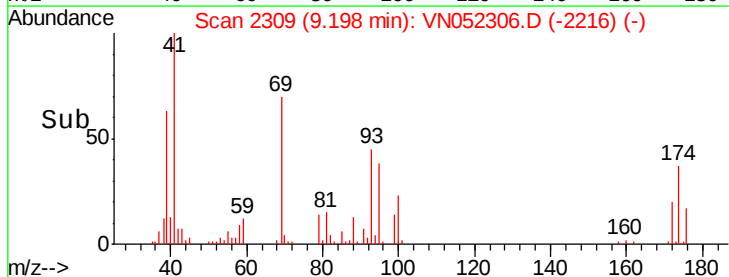
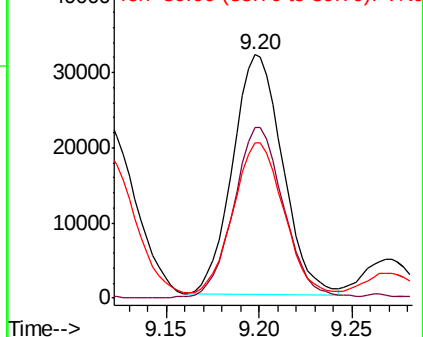
41 100

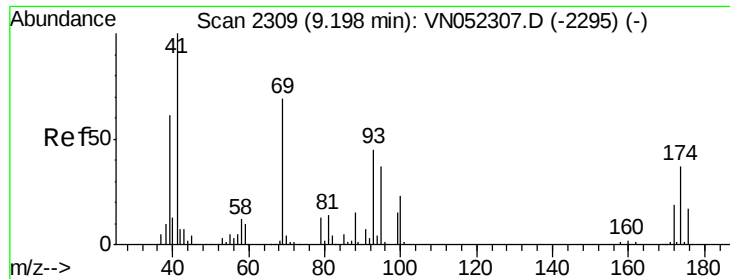
69 71.8 57.1 85.7

39 66.0 52.5 78.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 359.429 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

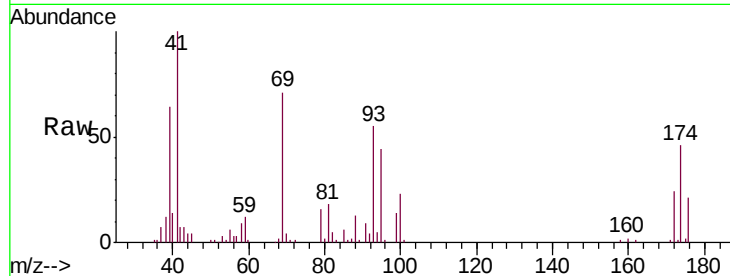
Tgt Ion: 88 Resp: 8966

Ion Ratio Lower Upper

88 100

43 37.1 33.3 49.9

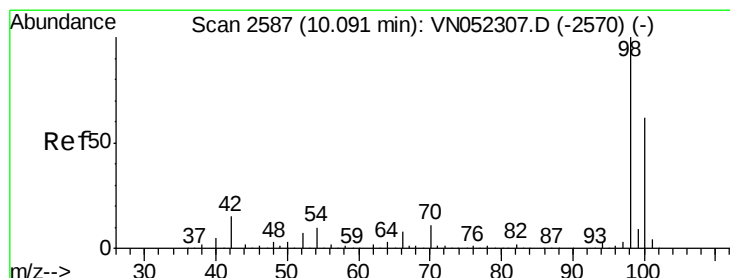
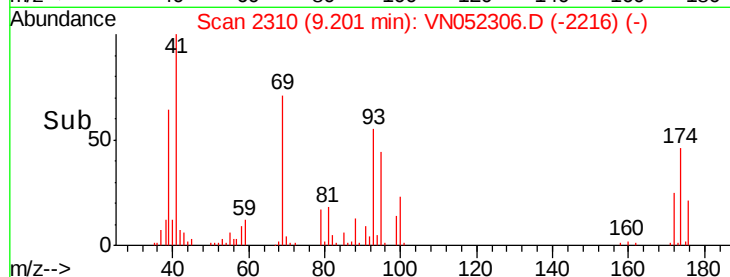
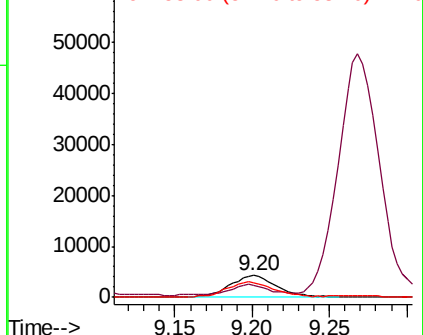
58 72.2 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)



#50

Toluene-d8

Concen: 359.429 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052306.D

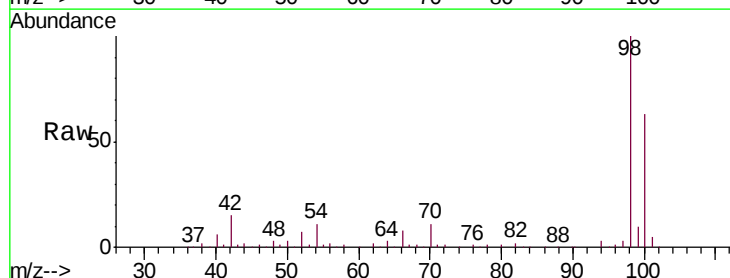
Acq: 14 Nov 2018 11:24

Tgt Ion: 98 Resp: 215713

Ion Ratio Lower Upper

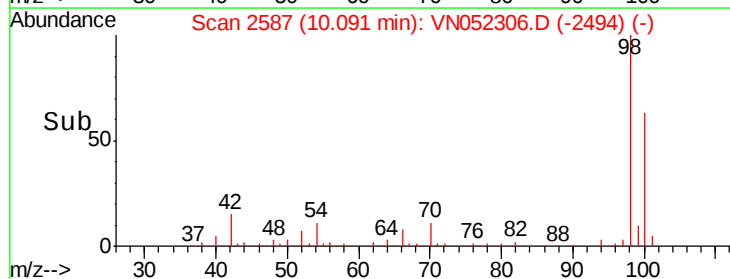
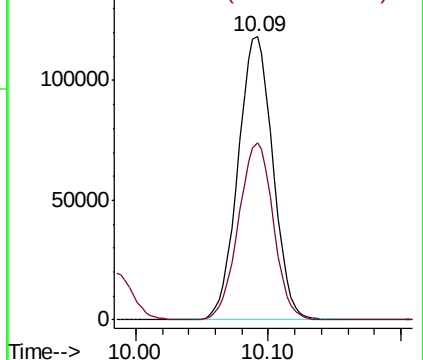
98 100

100 62.3 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 98.631 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

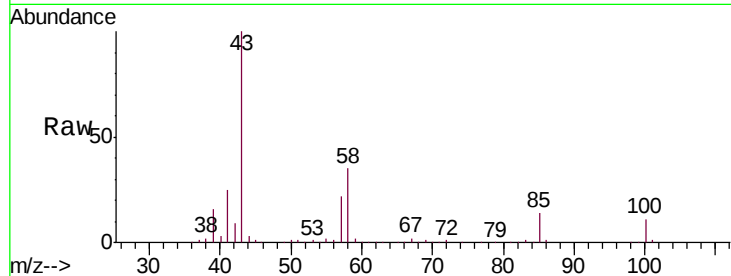
VSTDIC020

Tgt Ion: 43 Resp: 317948

Ion Ratio Lower Upper

43 100

58 34.2 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.98

200000

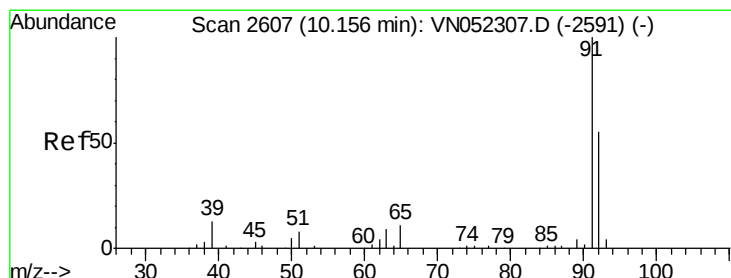
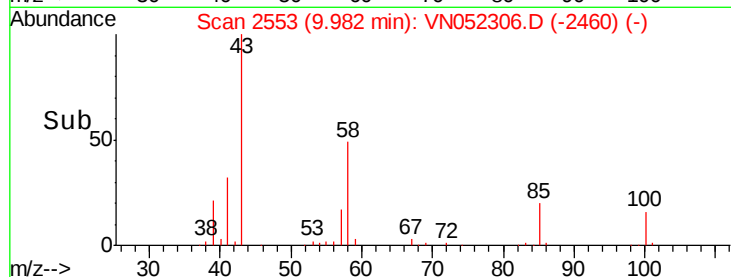
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.608 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052306.D

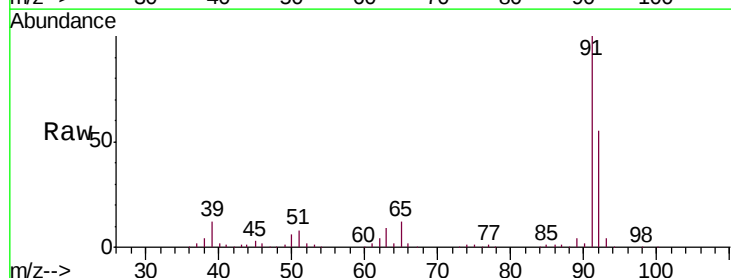
Acq: 14 Nov 2018 11:24

Tgt Ion: 92 Resp: 153233

Ion Ratio Lower Upper

92 100

91 180.2 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.16

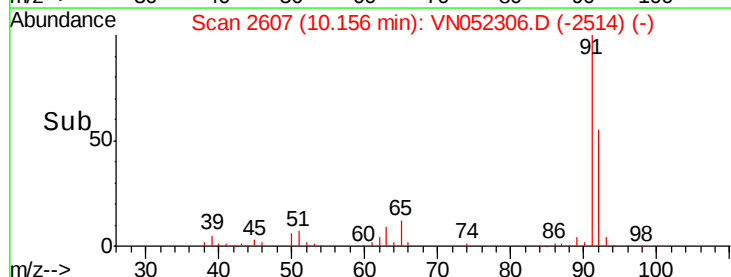
150000

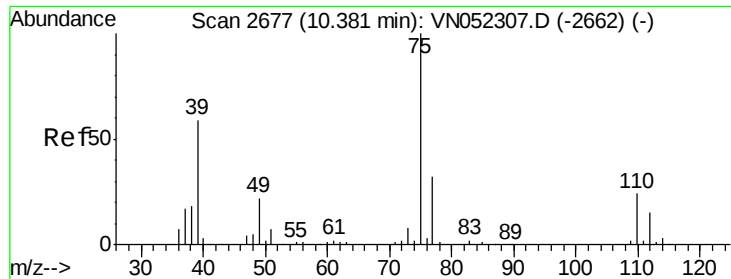
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

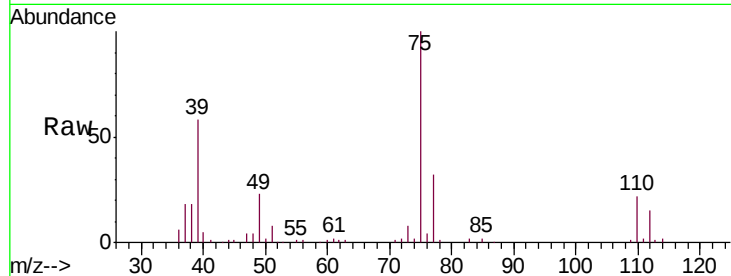
VSTDIC020

Tgt Ion: 75 Resp: 85819

Ion Ratio Lower Upper

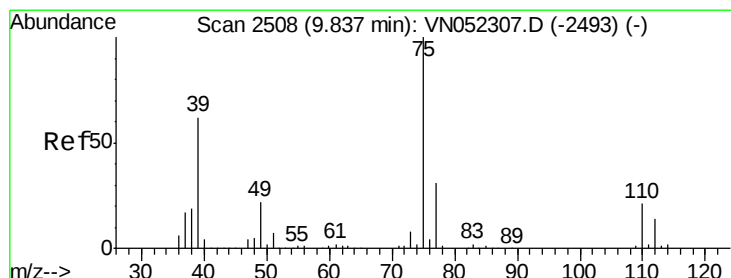
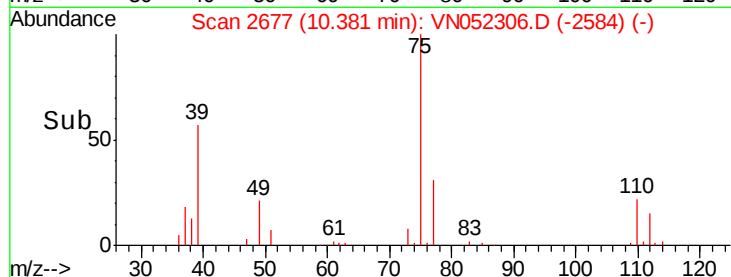
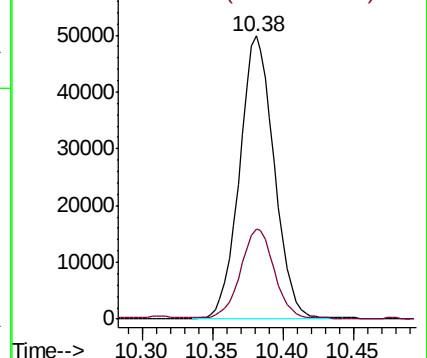
75 100

77 31.7 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.604 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

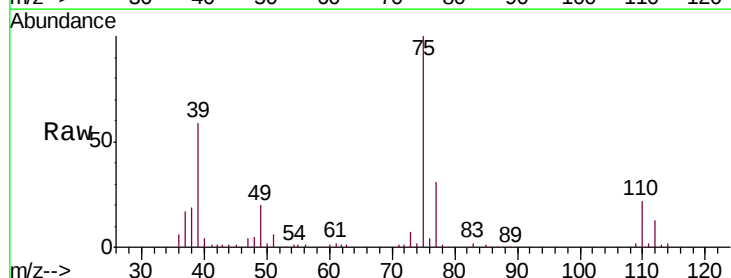
Tgt Ion: 75 Resp: 99267

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

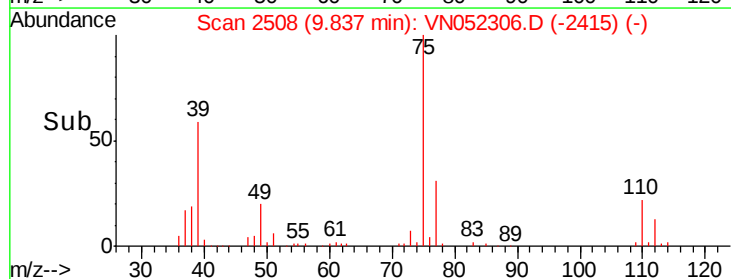
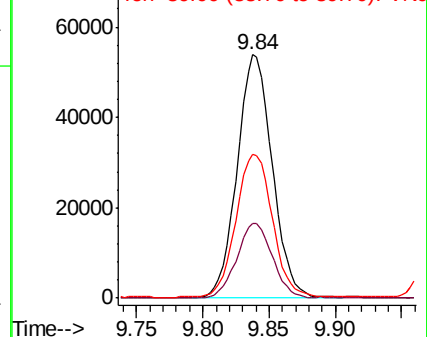
39 58.5 49.9 74.9

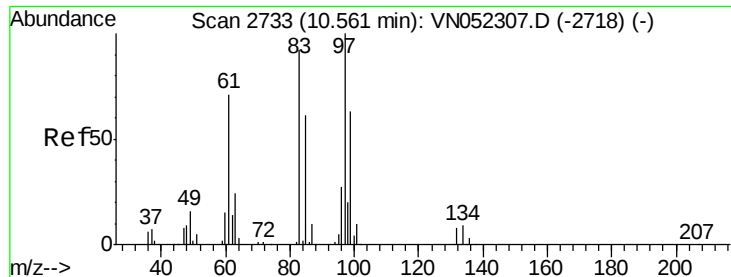


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.566 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 55430

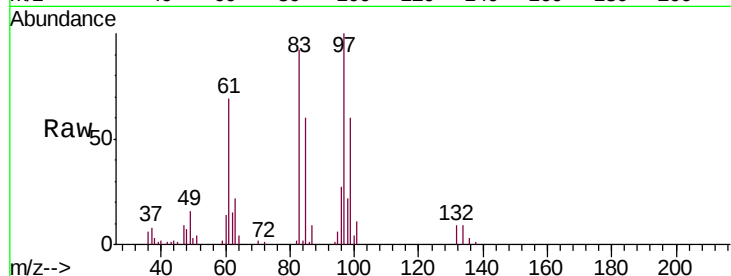
Ion Ratio Lower Upper

97 100

83 92.2 73.8 110.6

85 59.5 49.0 73.4

99 59.9 50.5 75.7

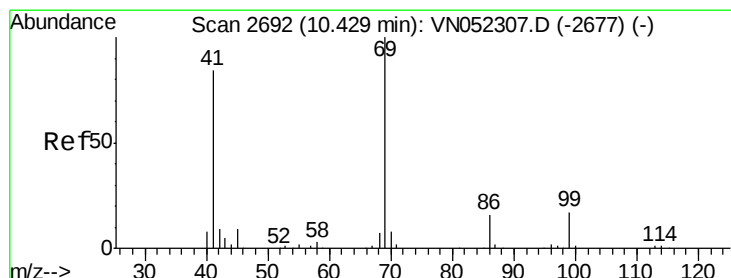
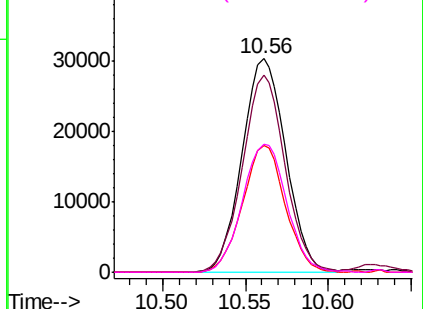
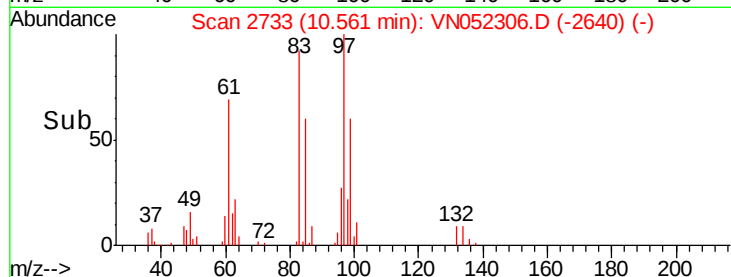


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.759 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

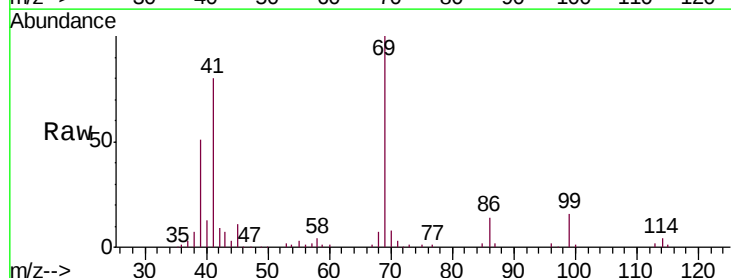
Tgt Ion: 69 Resp: 73617

Ion Ratio Lower Upper

69 100

41 79.2 64.8 97.2

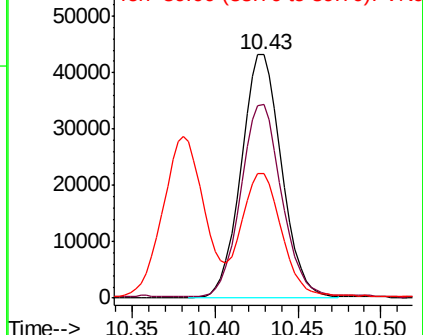
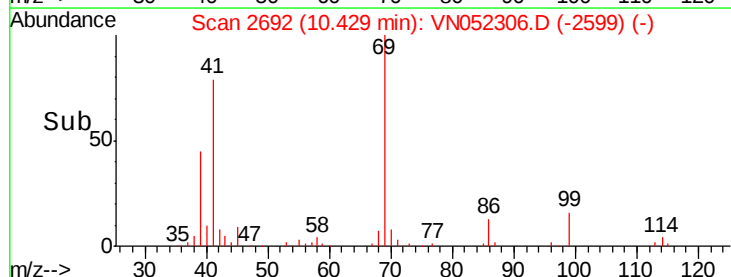
39 49.7 41.0 61.6

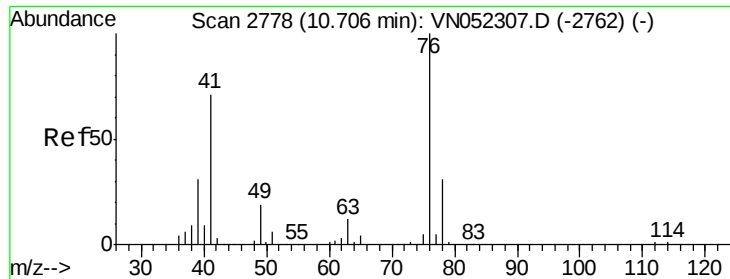


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

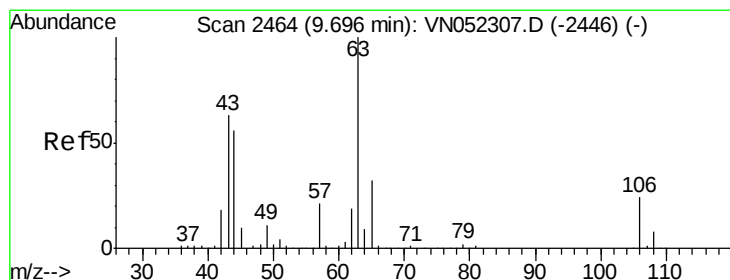
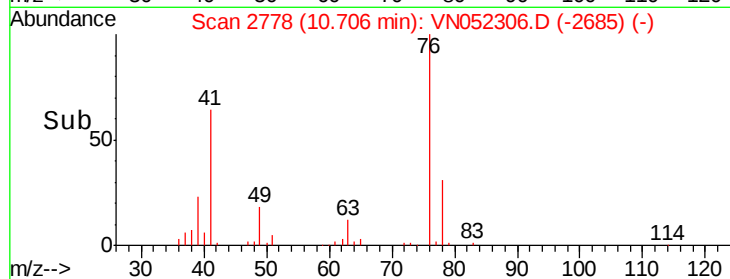
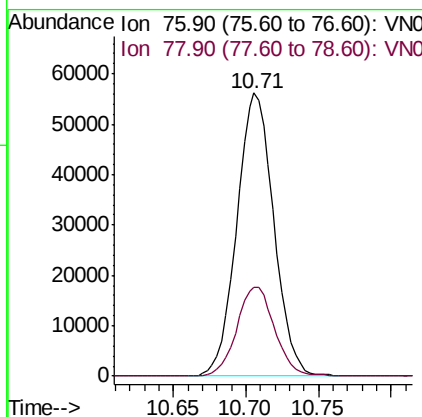
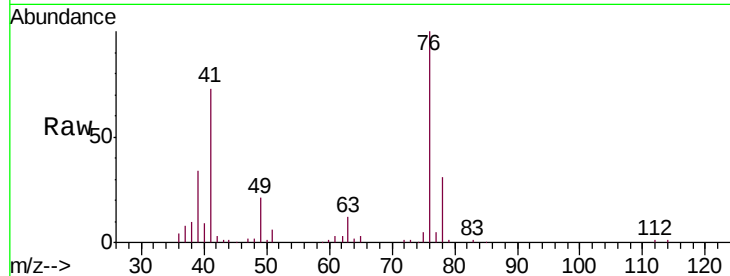




#57
 1,3-Dichloropropane
 Concen: 19.811 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

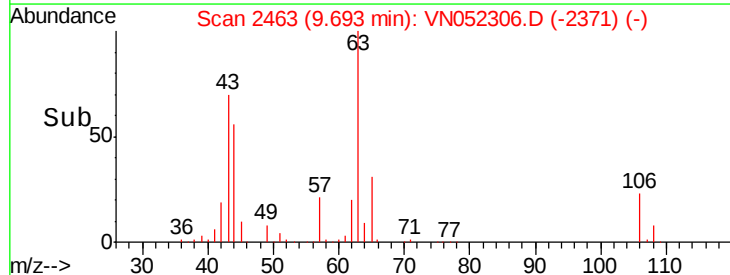
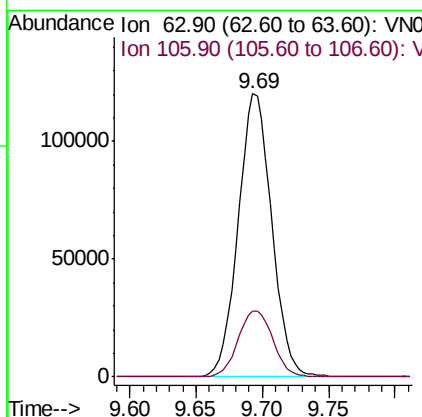
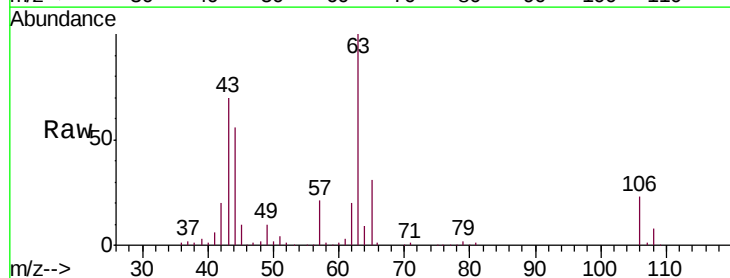
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

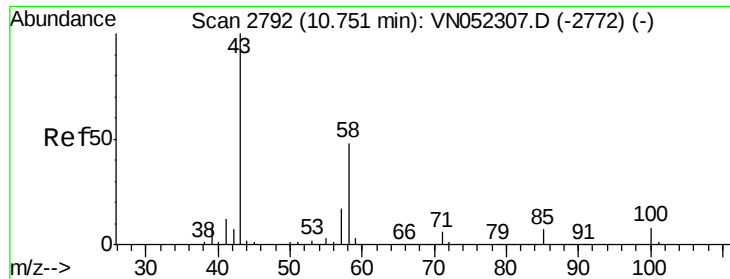
Tgt Ion: 76 Resp: 99412
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.664 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 63 Resp: 211405
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.3 28.9

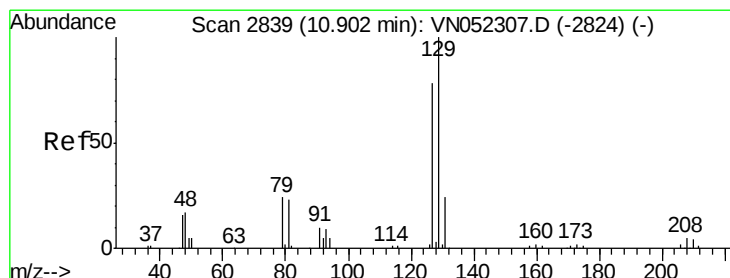
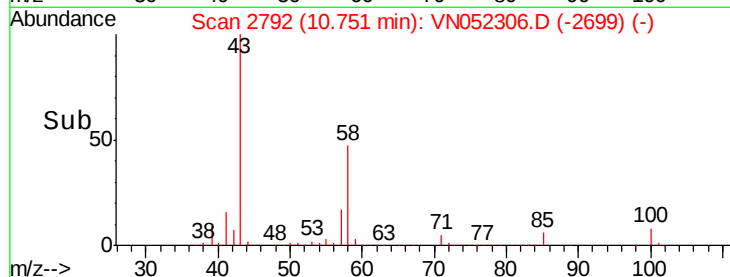
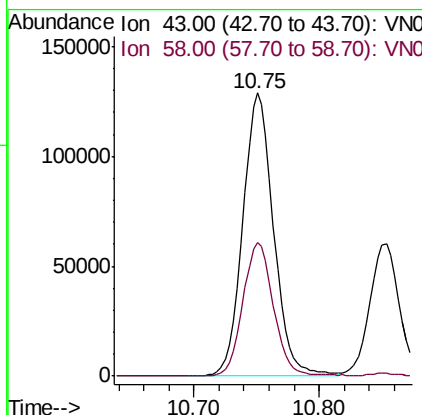
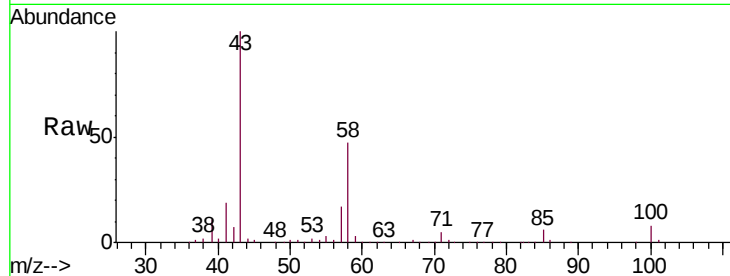




#59
2-Hexanone
Concen: 99.375 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

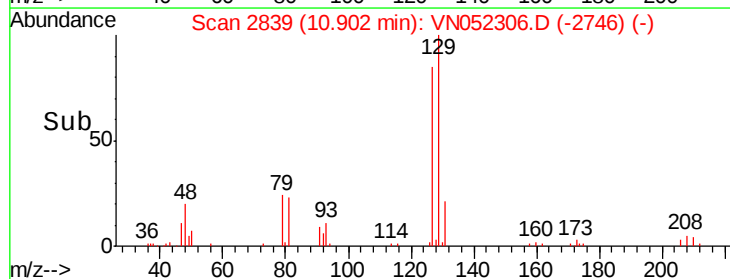
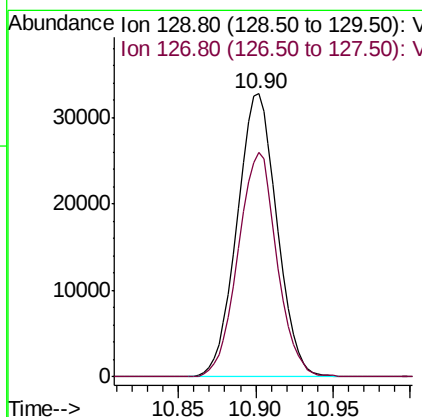
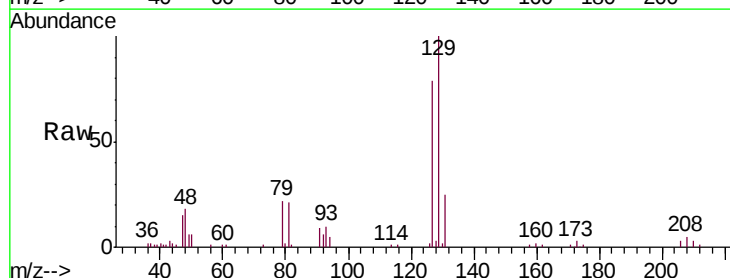
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

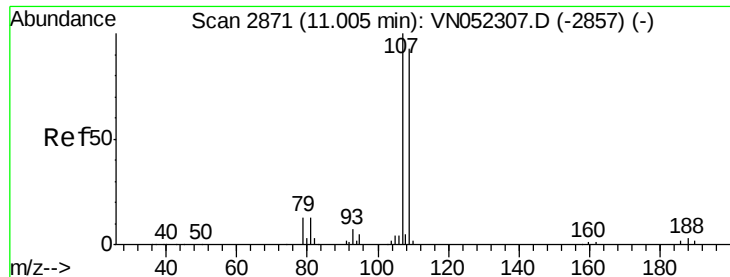
Tgt Ion: 43 Resp: 220345
Ion Ratio Lower Upper
43 100
58 46.9 23.5 70.6



#60
Dibromochloromethane
Concen: 19.175 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 129 Resp: 58775
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

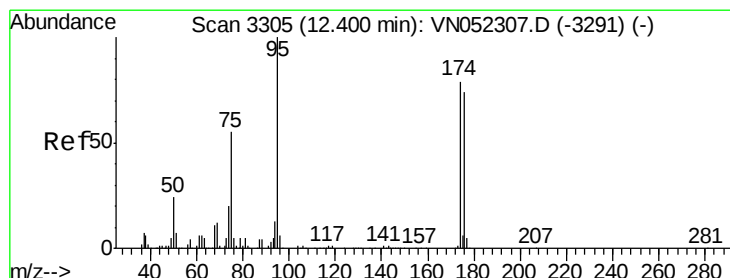
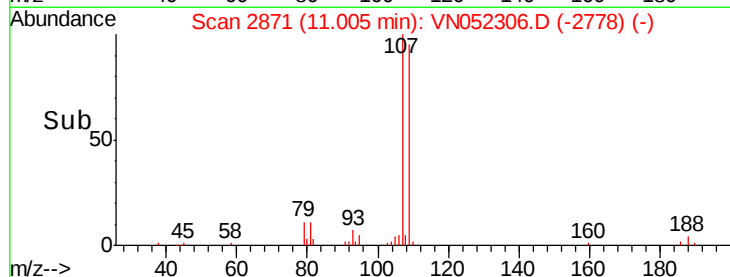
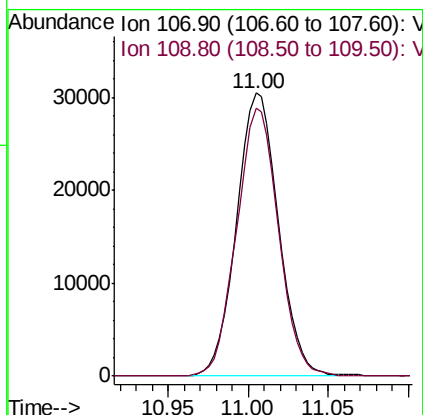
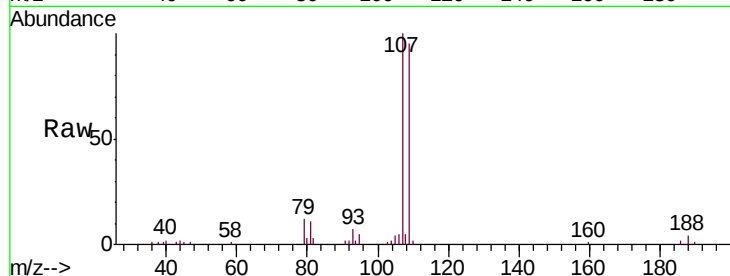




#61
 1,2-Dibromoethane
 Concen: 19.246 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

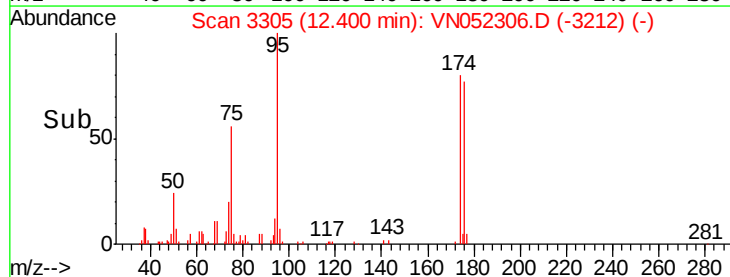
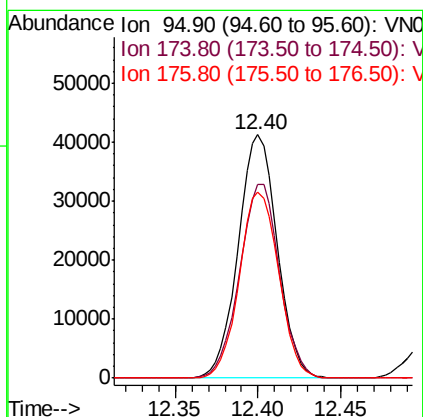
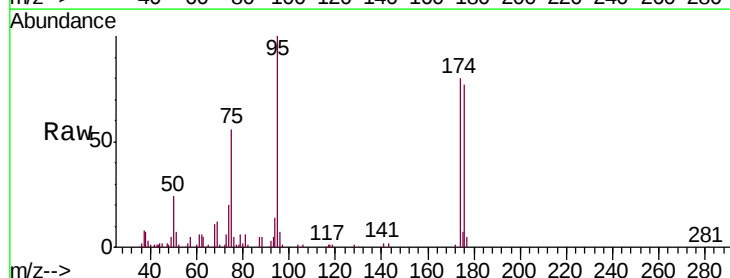
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

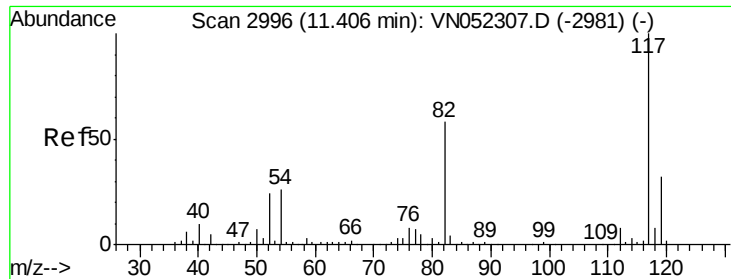
Tgt Ion: 107 Resp: 54311
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 19.246 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 95 Resp: 67490
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 156.0
 176 77.2 0.0 148.4

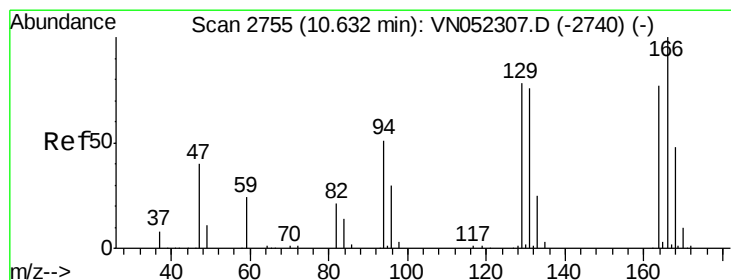
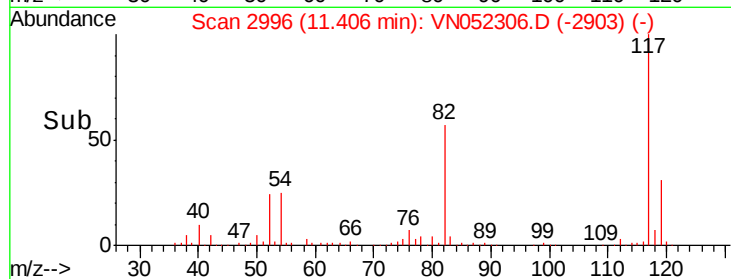
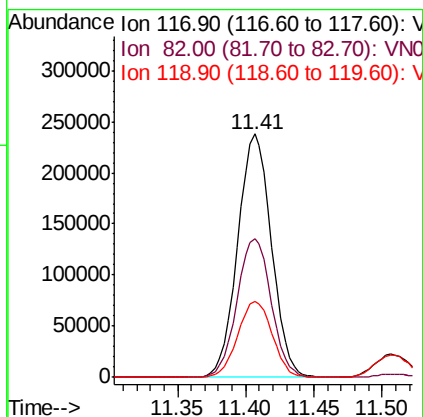
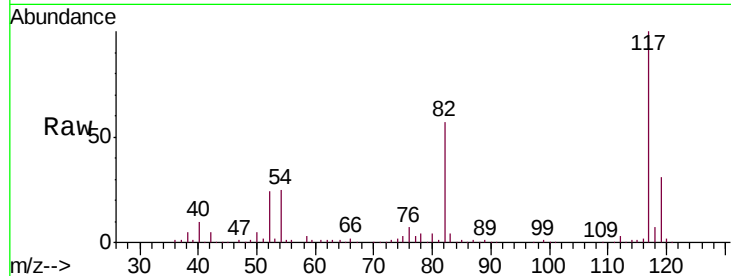




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

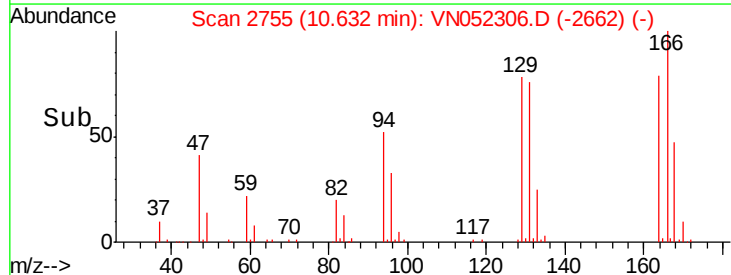
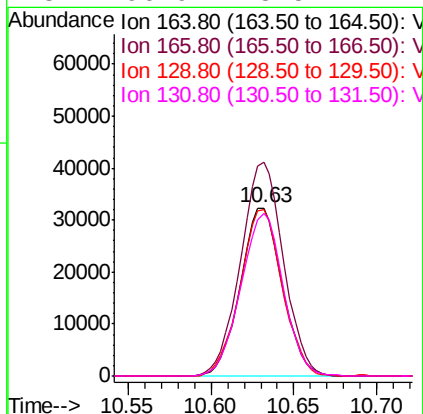
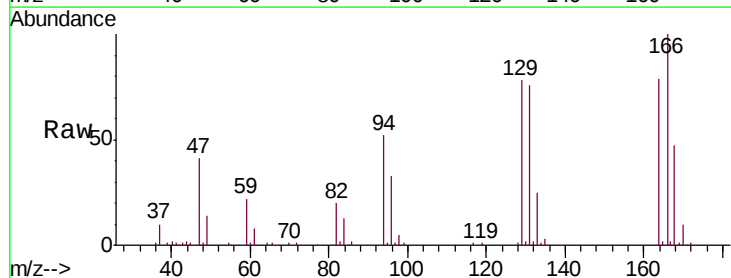
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

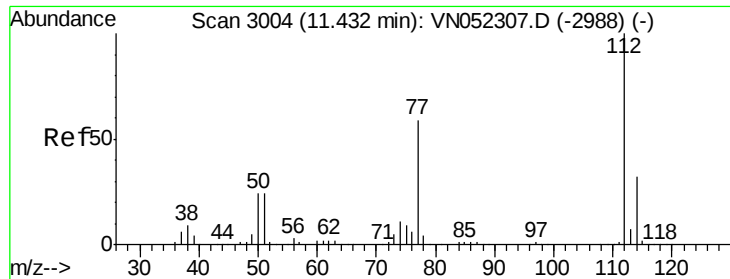
Tgt Ion:117 Resp: 408814
Ion Ratio Lower Upper
117 100
82 57.0 46.5 69.7
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 19.498 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:164 Resp: 56669
Ion Ratio Lower Upper
164 100
166 127.1 103.8 155.6
129 98.7 80.7 121.1
131 96.9 78.5 117.7





#65

Chlorobenzene

Concen: 19.191 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

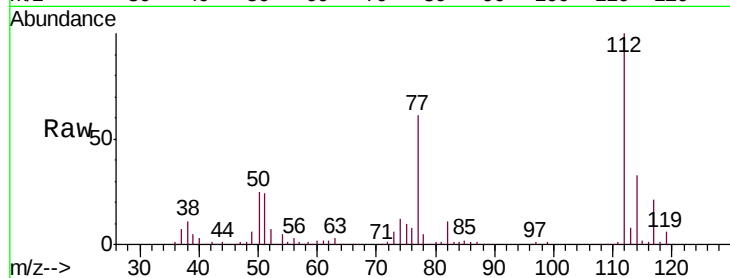
VSTDIC020

Tgt Ion:112 Resp: 165838

Ion Ratio Lower Upper

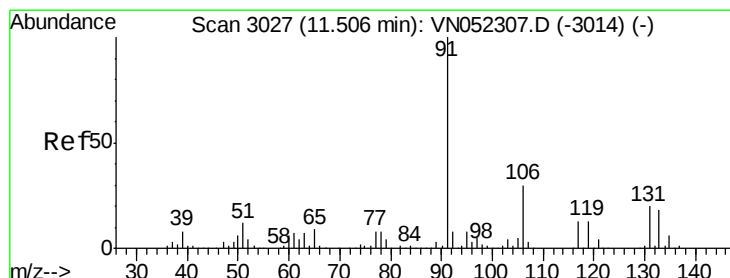
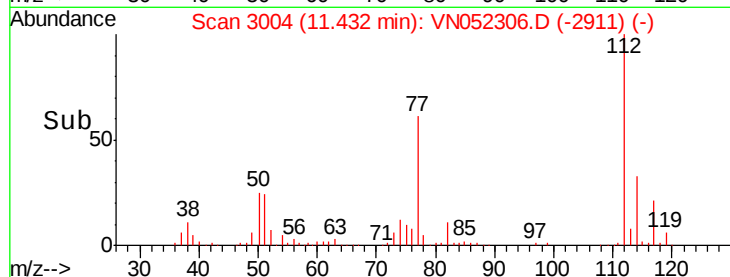
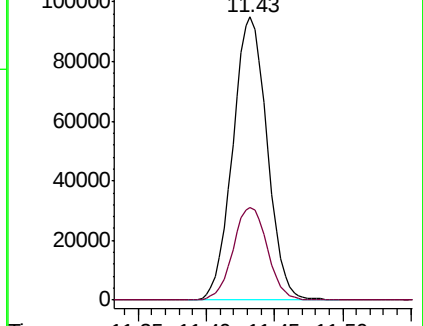
112 100

114 32.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.729 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

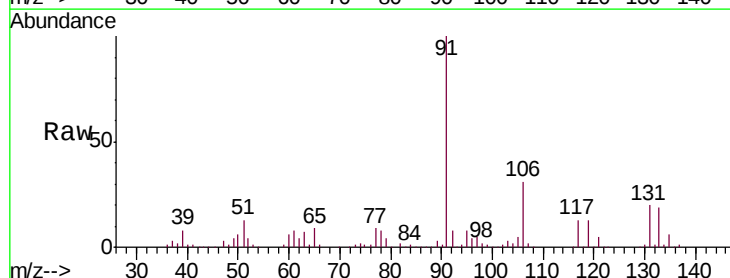
Tgt Ion:131 Resp: 58135

Ion Ratio Lower Upper

131 100

133 94.6 47.4 142.3

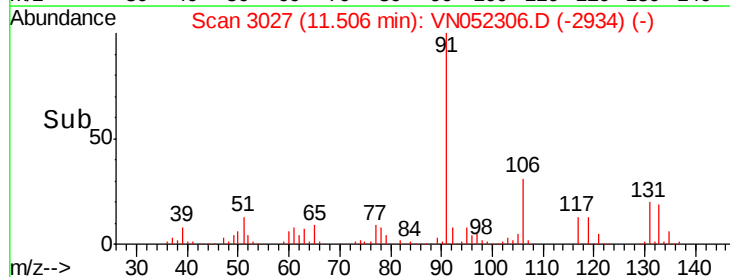
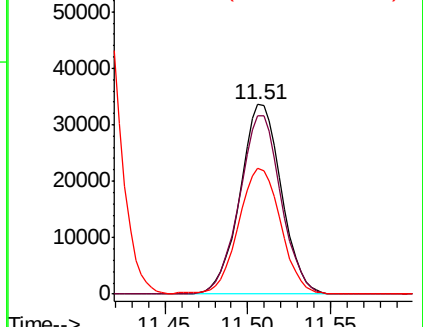
119 67.8 33.3 99.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.671 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

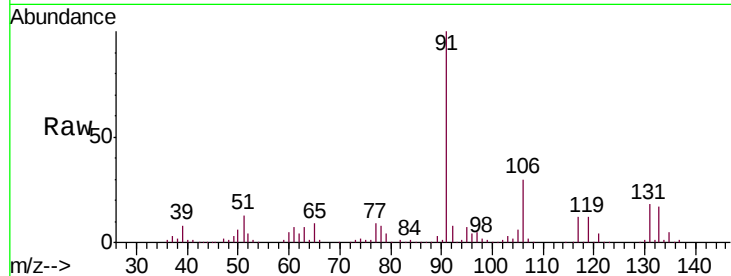
VSTDIC020

Tgt Ion: 91 Resp: 295030

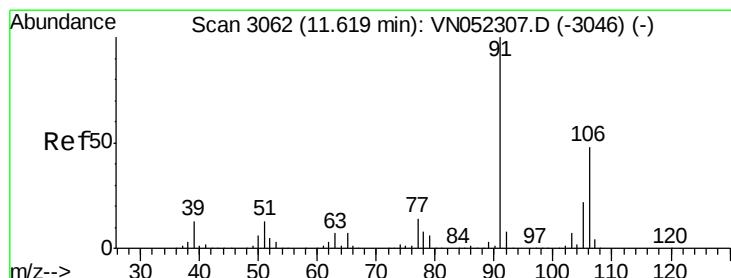
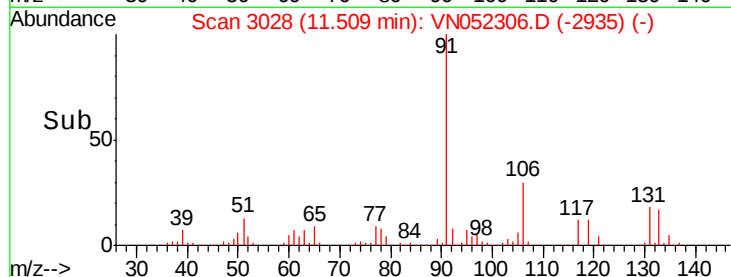
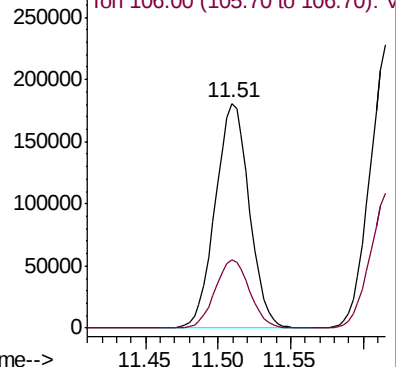
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3013) (-)



#68

m/p-Xylenes

Concen: 39.717 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN052306.D

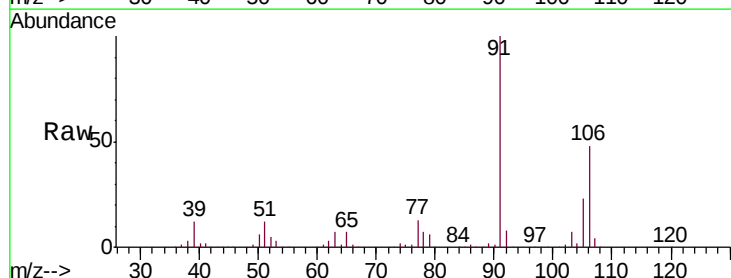
Acq: 14 Nov 2018 11:24

Tgt Ion: 106 Resp: 217646

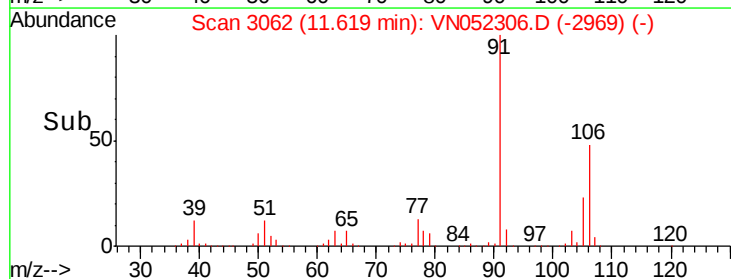
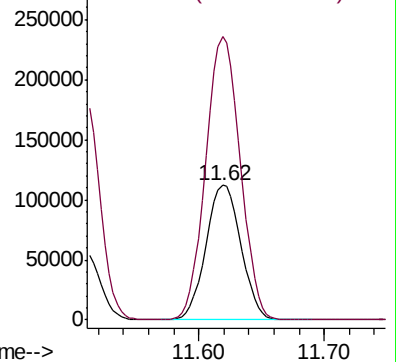
Ion Ratio Lower Upper

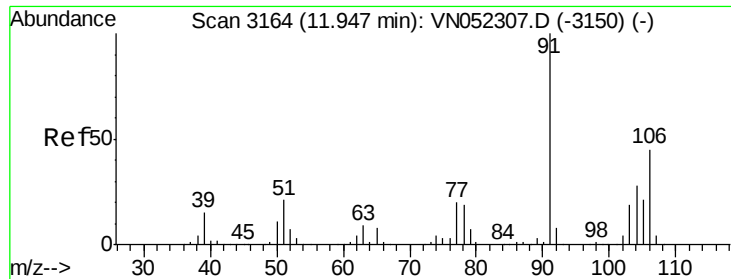
106 100

91 207.8 165.5 248.3



Abundance Ion 106.00 (105.70 to 106.70): VN052307.D (-3046) (-)

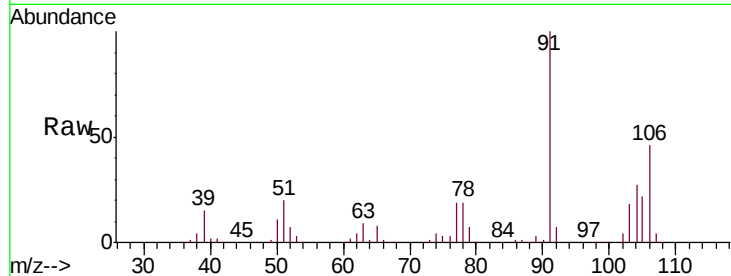




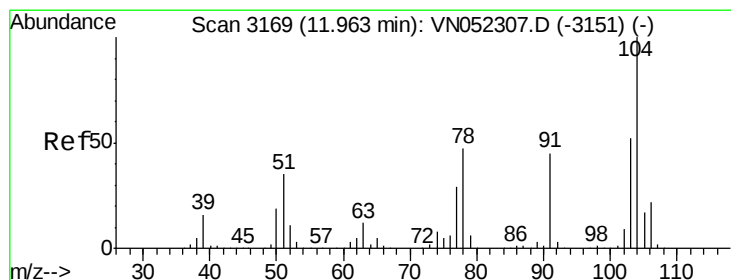
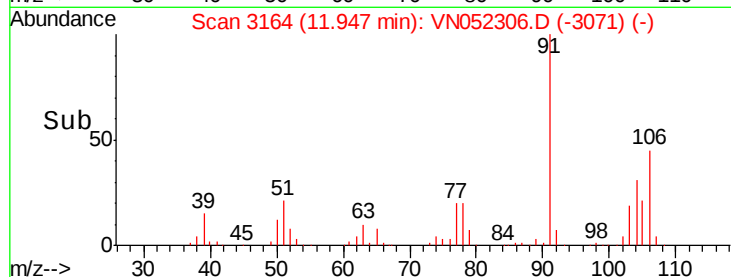
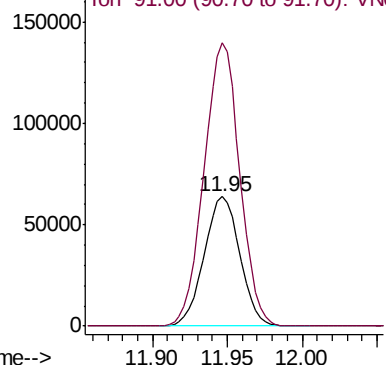
#69
o-Xylene
Concen: 20.242 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 106331
Ion Ratio Lower Upper
106 100
91 218.2 110.0 330.0

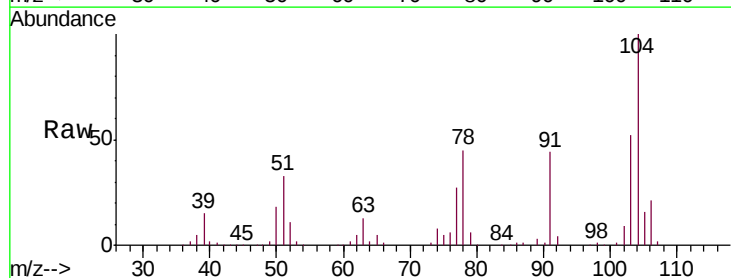


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

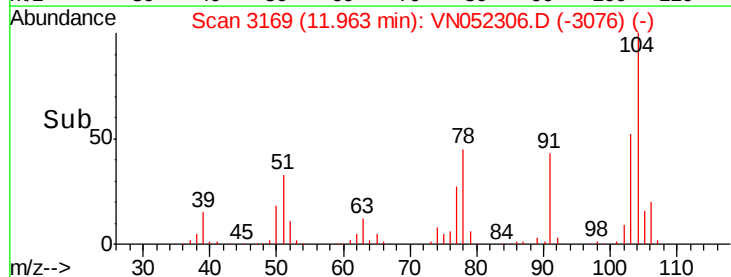
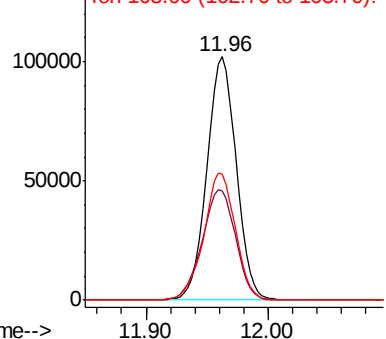


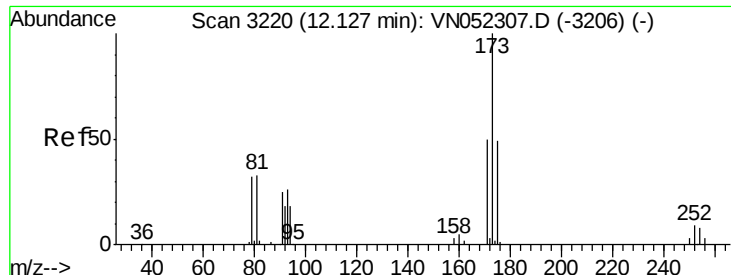
#70
Styrene
Concen: 20.207 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:104 Resp: 169957
Ion Ratio Lower Upper
104 100
78 51.7 42.7 64.1
103 56.3 45.4 68.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.978 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

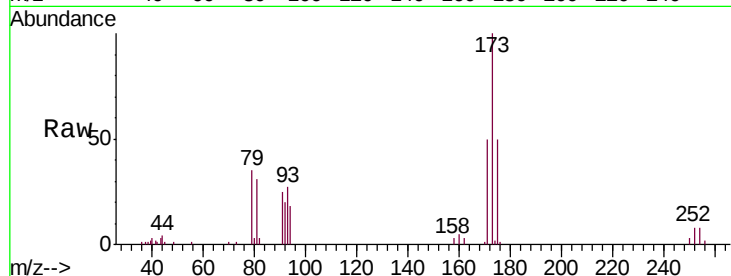
Tgt Ion:173 Resp: 33019

Ion Ratio Lower Upper

173 100

175 49.4 25.0 75.0

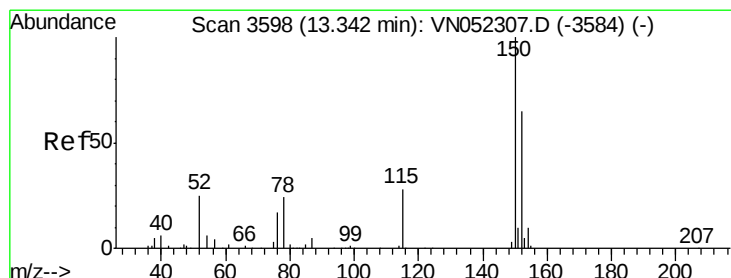
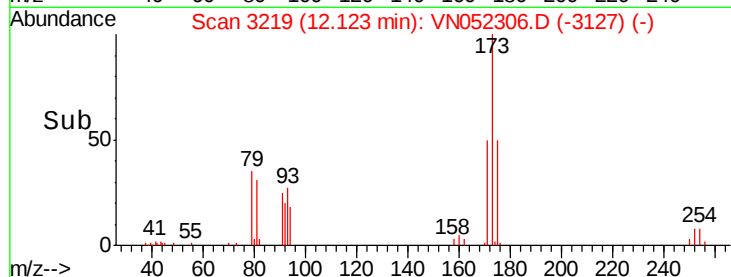
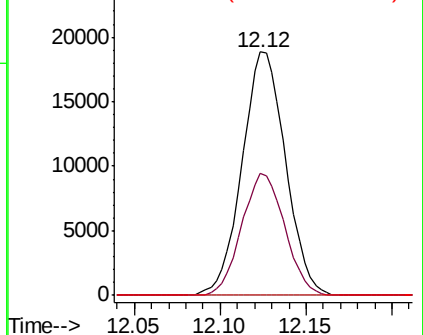
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

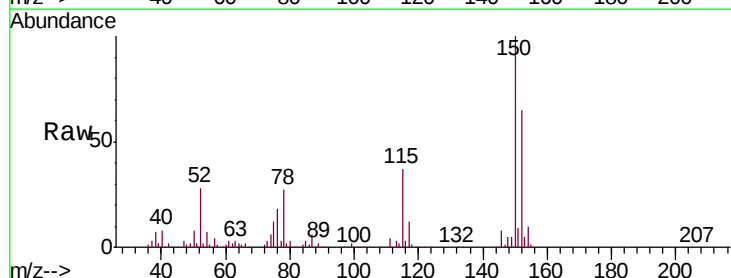
Tgt Ion:152 Resp: 175667

Ion Ratio Lower Upper

152 100

115 58.7 30.3 91.0

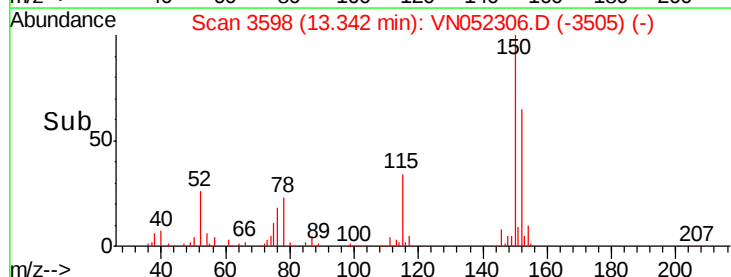
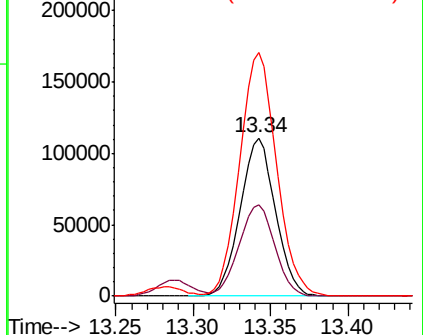
150 161.7 0.0 348.2

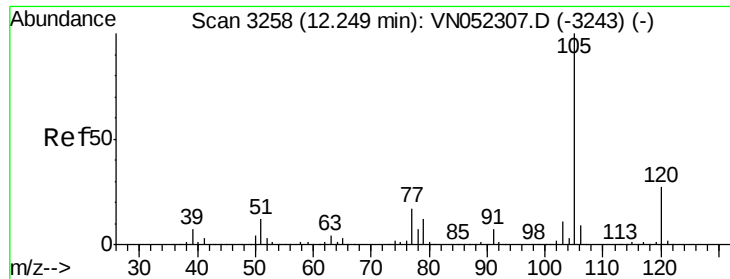


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.757 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

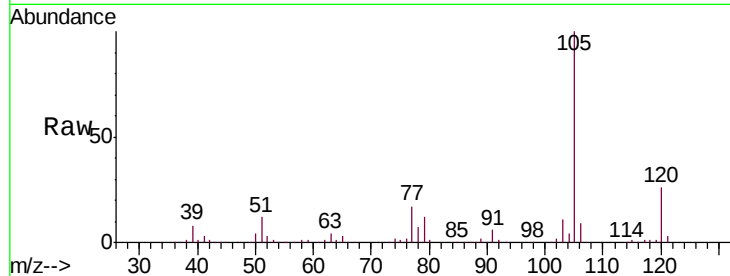
VSTDIC020

Tgt Ion: 105 Resp: 279038

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

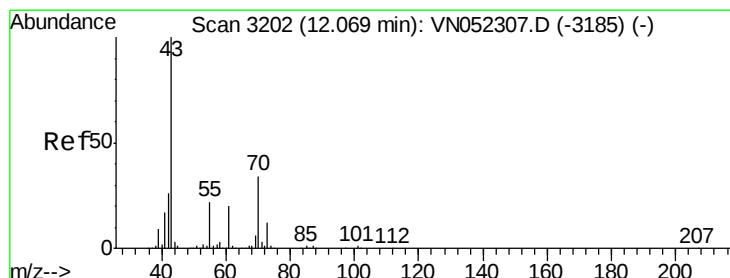
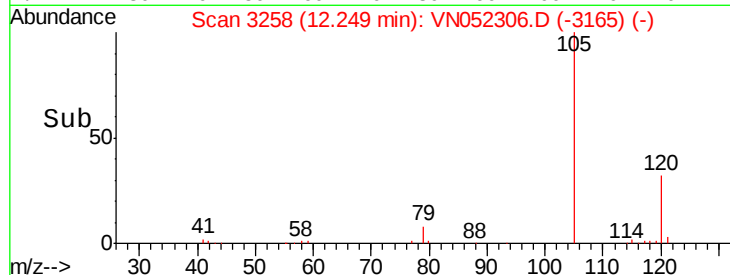
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.766 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion: 43 Resp: 99435

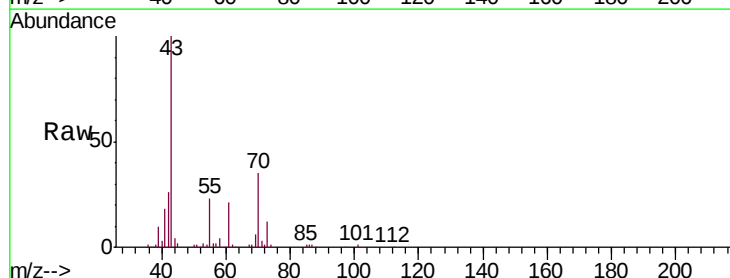
Ion Ratio Lower Upper

43 100

70 34.8 27.1 40.7

55 22.8 17.4 26.0

61 20.5 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

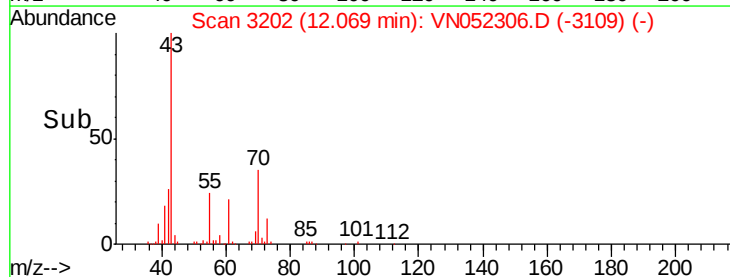
40000

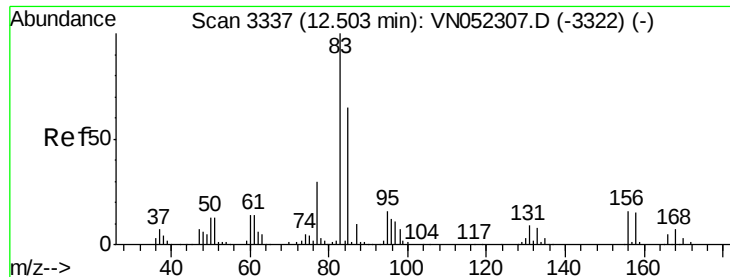
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

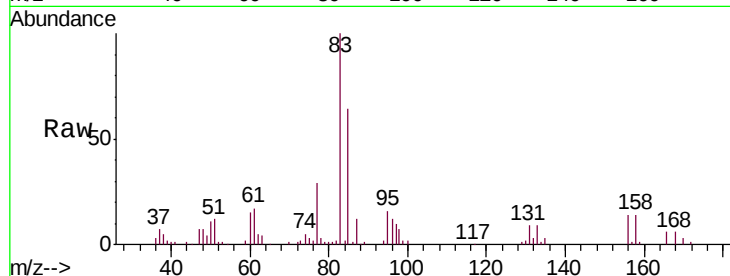
Tgt Ion: 83 Resp: 67315

Ion Ratio Lower Upper

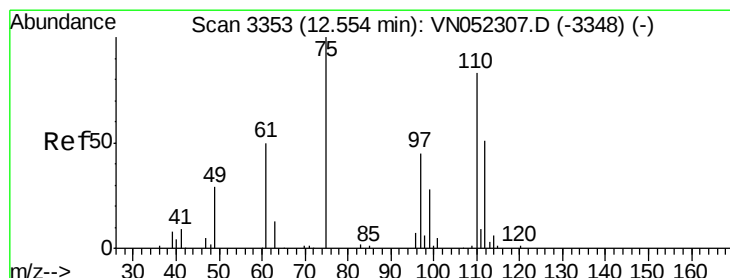
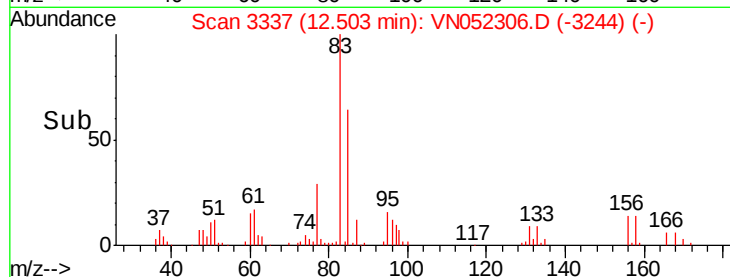
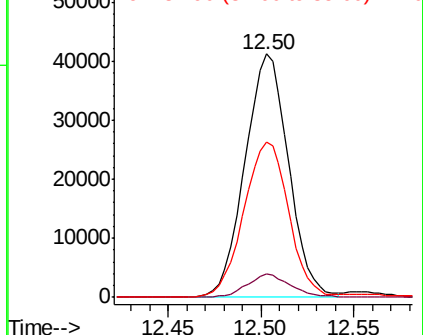
83 100

131 9.6 4.7 14.1

85 65.6 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 30.838 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052306.D

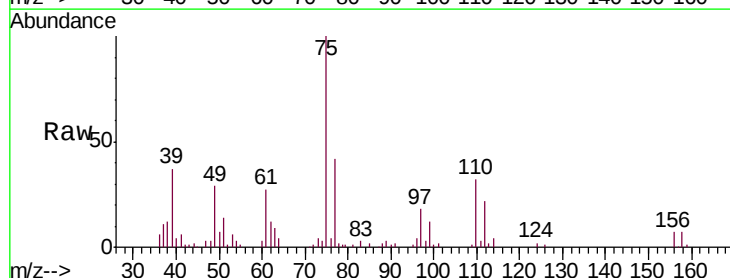
Acq: 14 Nov 2018 11:24

Tgt Ion: 75 Resp: 85171

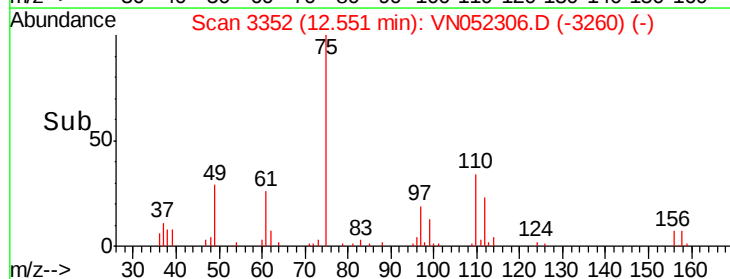
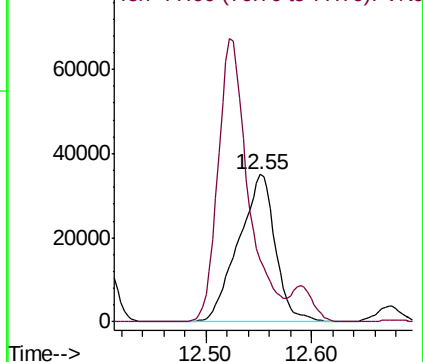
Ion Ratio Lower Upper

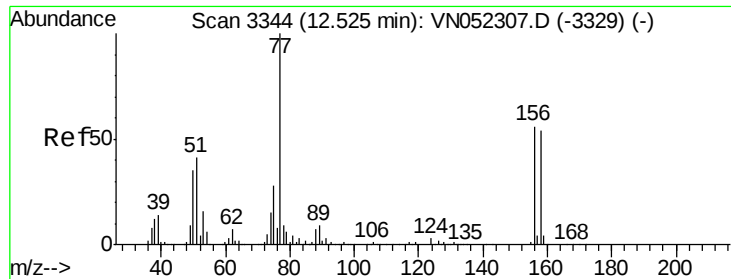
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

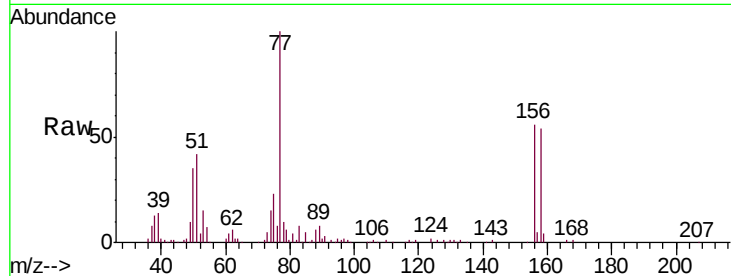
Tgt Ion:156 Resp: 64468

Ion Ratio Lower Upper

156 100

77 207.8 103.6 310.9

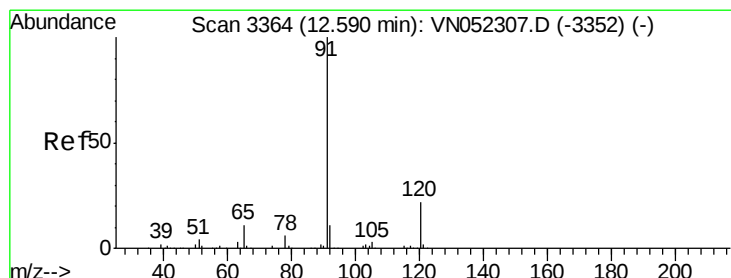
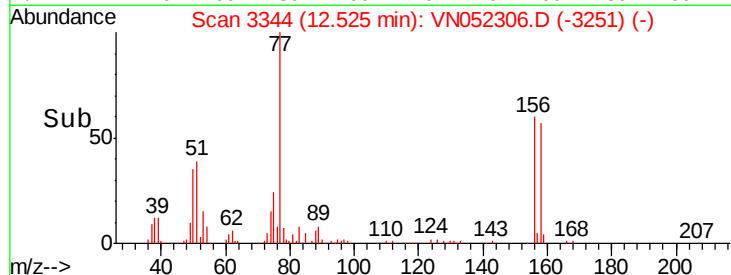
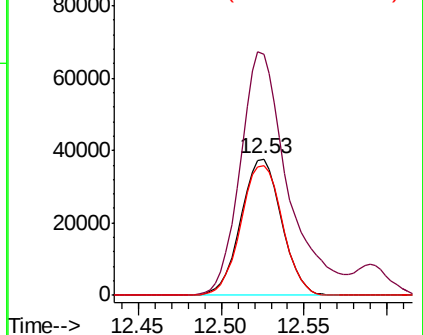
158 97.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.767 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052306.D

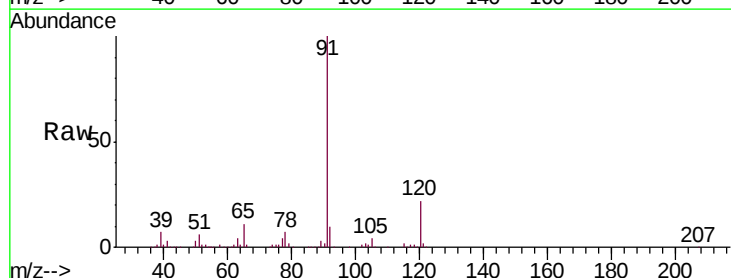
Acq: 14 Nov 2018 11:24

Tgt Ion: 91 Resp: 326505

Ion Ratio Lower Upper

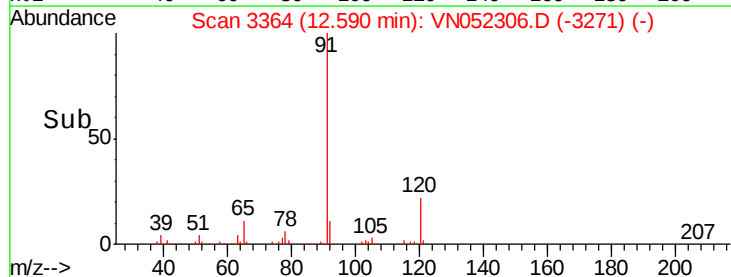
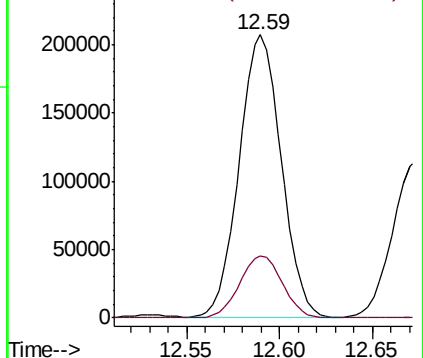
91 100

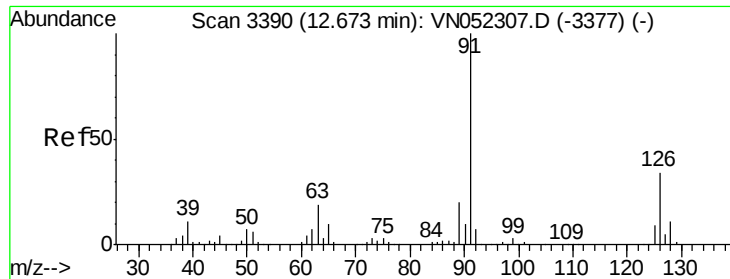
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

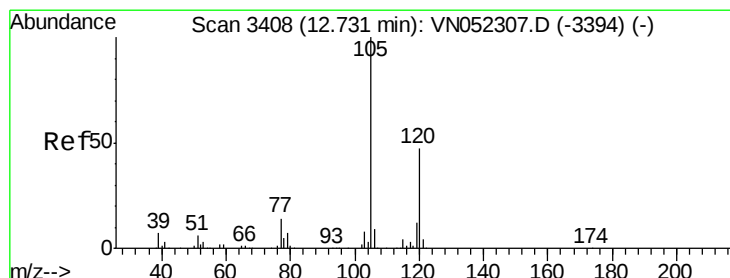
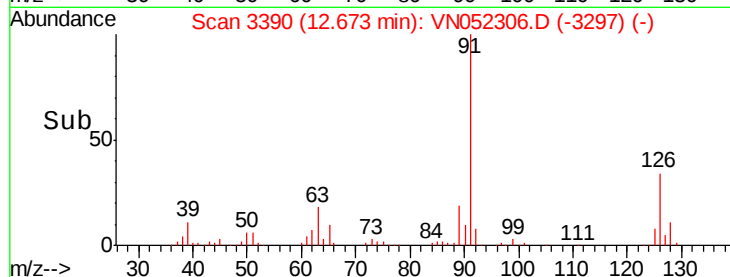
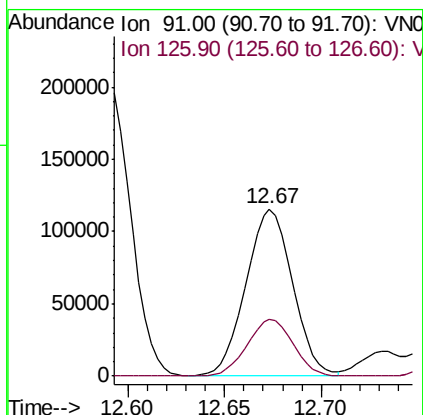
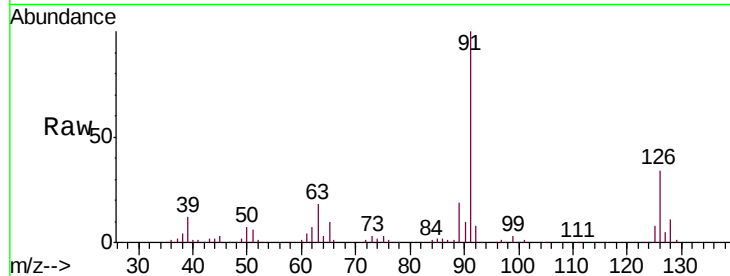




#79
 2-Chlorotoluene
 Concen: 19.989 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

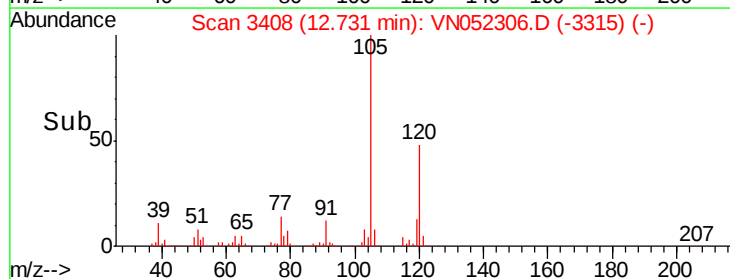
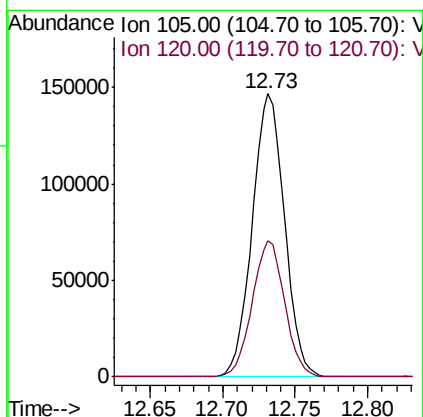
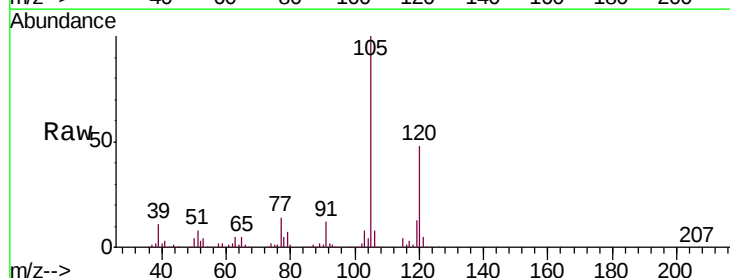
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

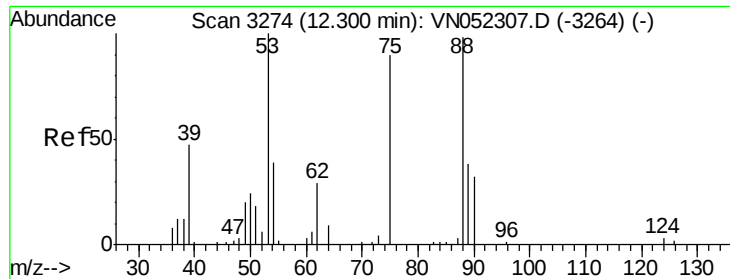
Tgt Ion: 91 Resp: 192883
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.284 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 105 Resp: 227823
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.024 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

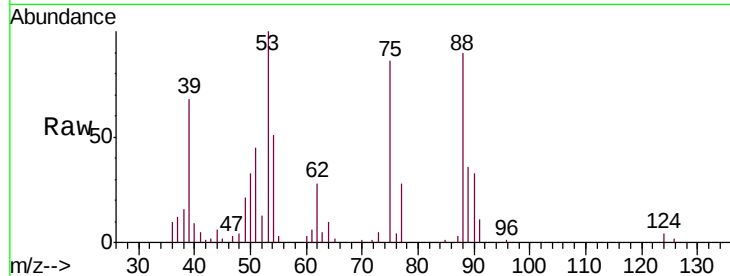
Tgt Ion: 75 Resp: 16564

Ion Ratio Lower Upper

75 100

53 122.6 90.2 135.2

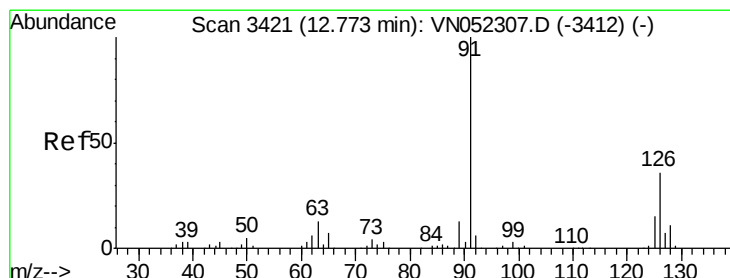
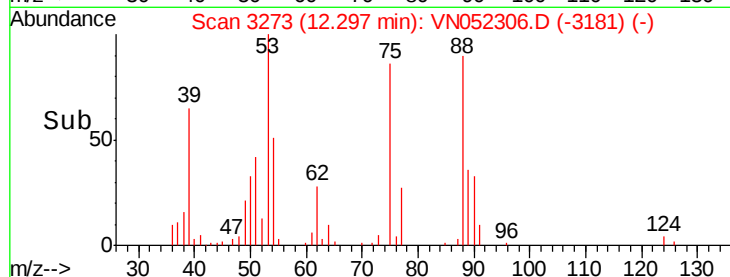
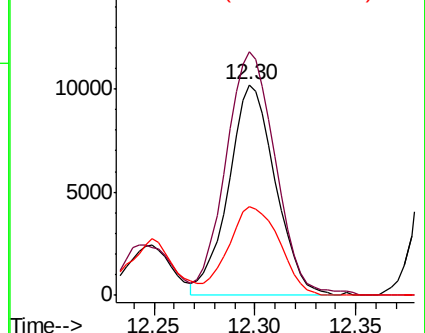
89 45.5 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.313 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052306.D

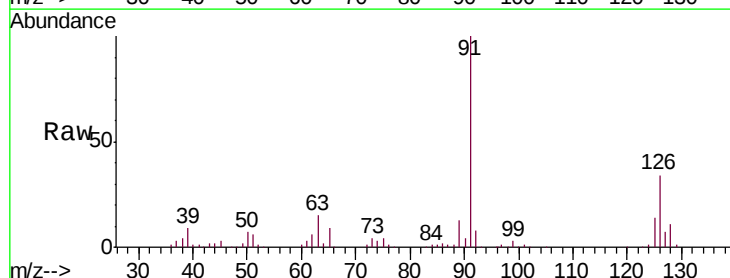
Acq: 14 Nov 2018 11:24

Tgt Ion: 91 Resp: 190933

Ion Ratio Lower Upper

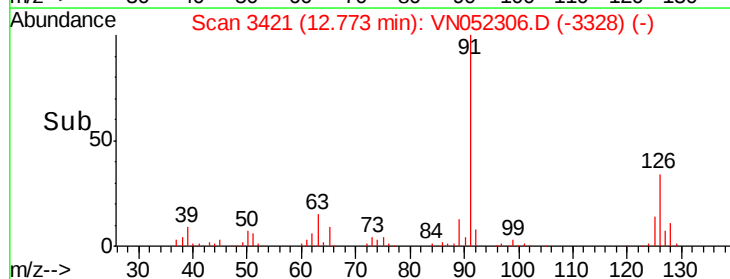
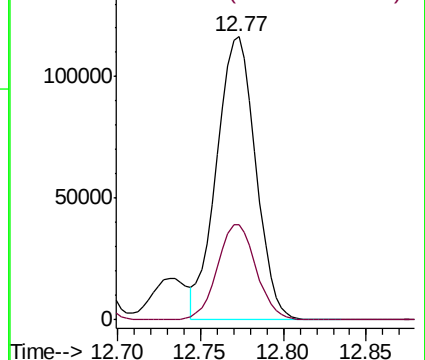
91 100

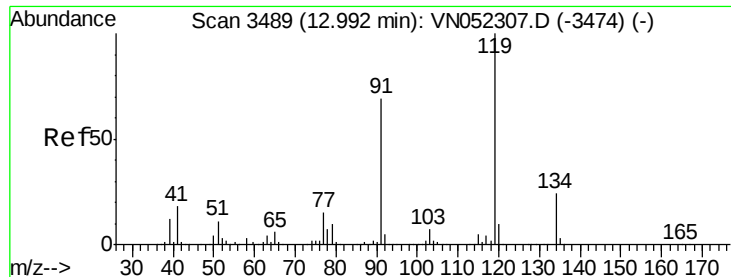
126 33.4 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3412) (-)

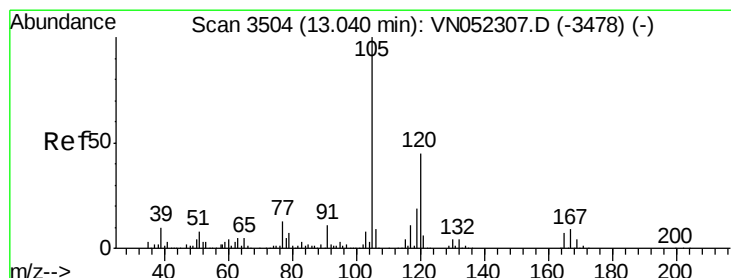
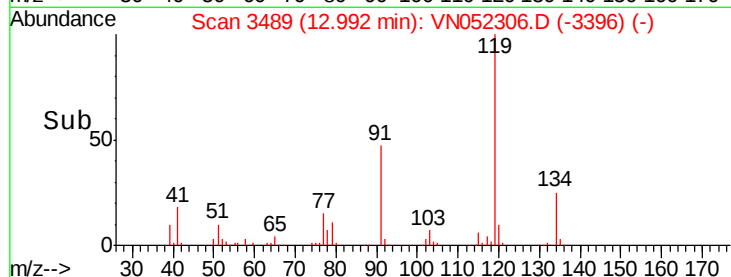
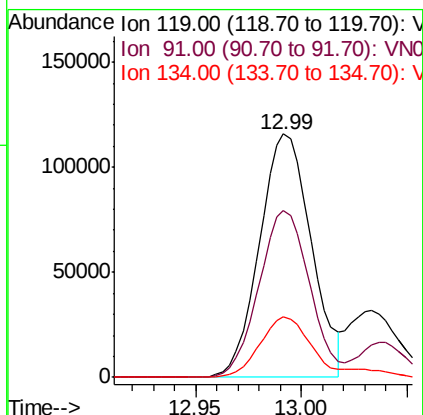
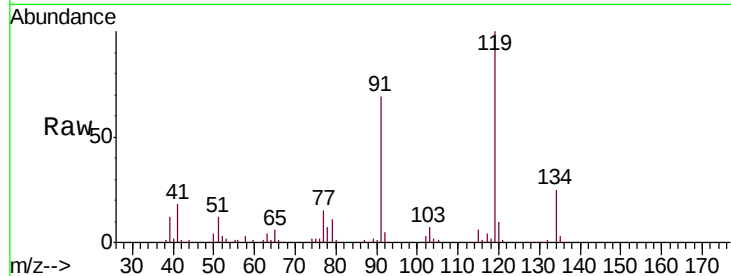




#83
 tert-Butylbenzene
 Concen: 19.974 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

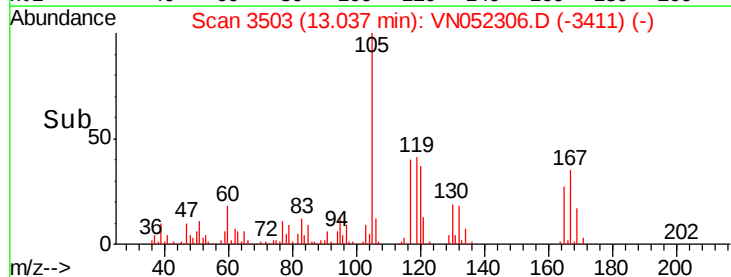
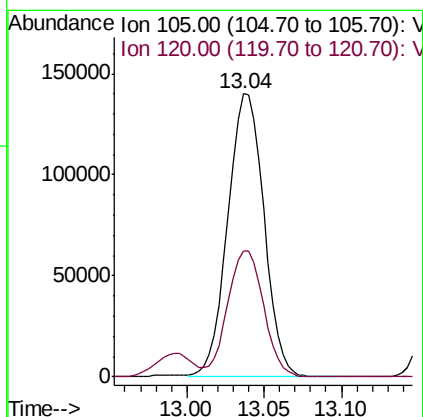
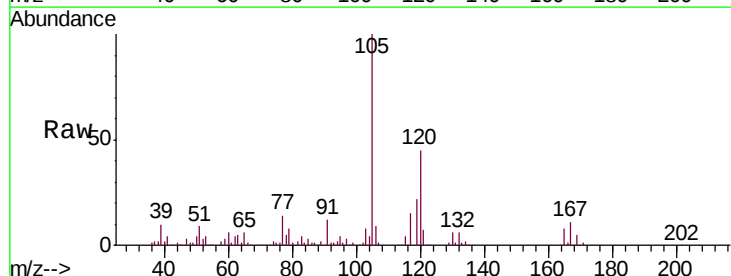
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

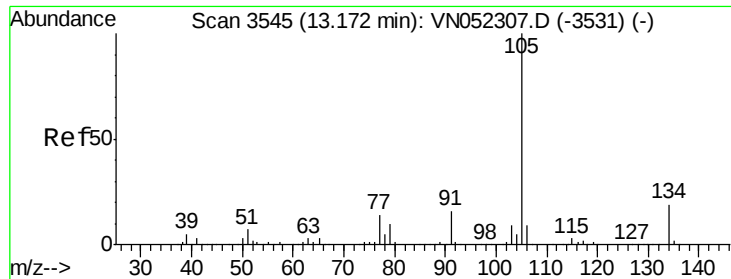
Tgt Ion:119 Resp: 198062
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.8 101.3
 134 24.2 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.189 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion:105 Resp: 227631
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.5 67.5

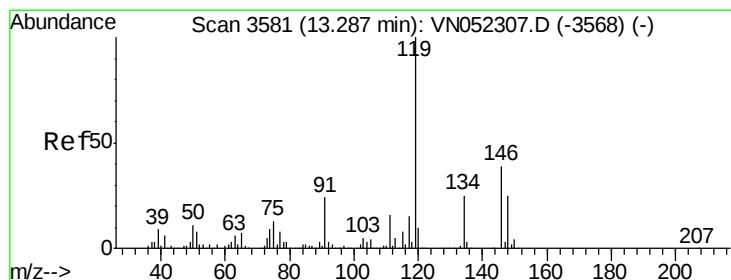
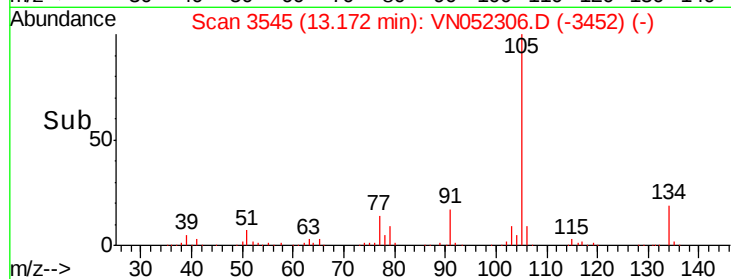
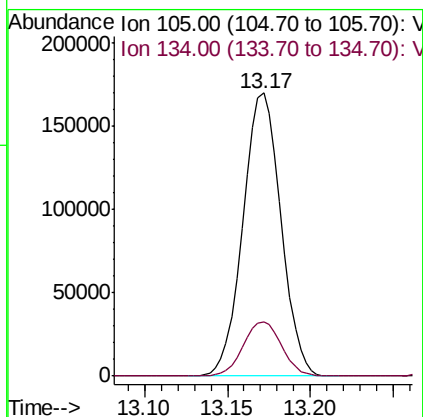
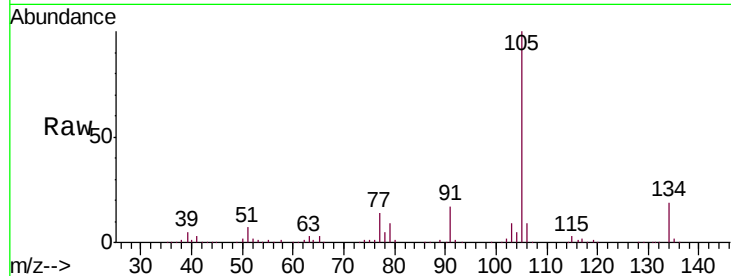




#85
 sec-Butylbenzene
 Concen: 20.015 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

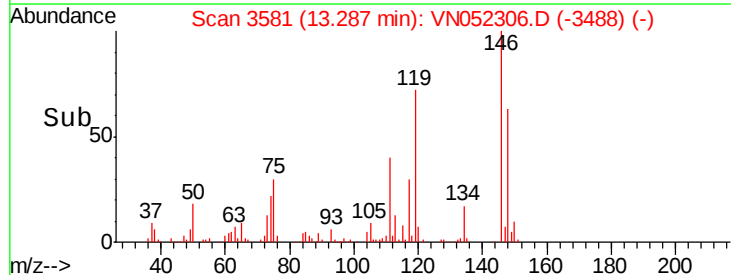
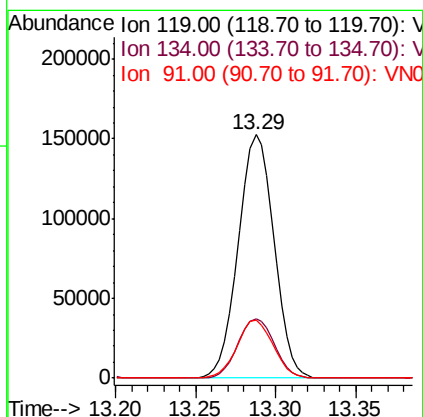
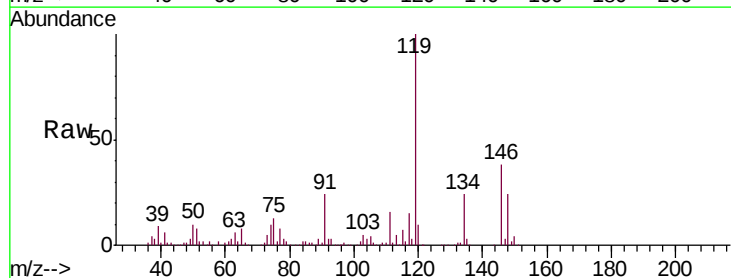
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

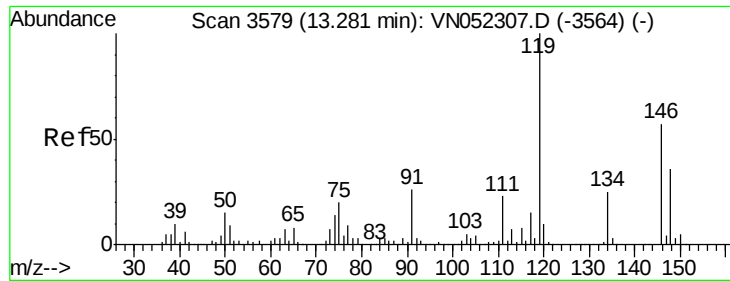
Tgt Ion:105 Resp: 270348
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 20.235 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion:119 Resp: 231529
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 38.9
 91 24.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 19.572 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

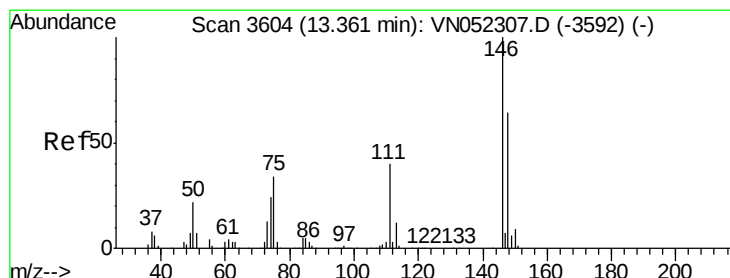
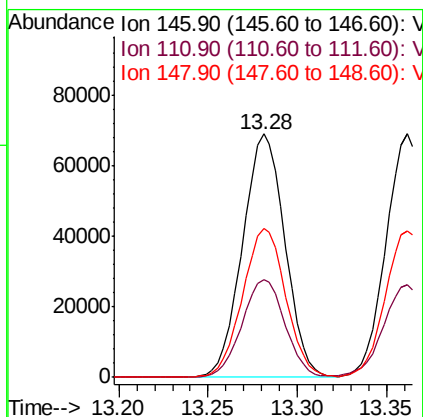
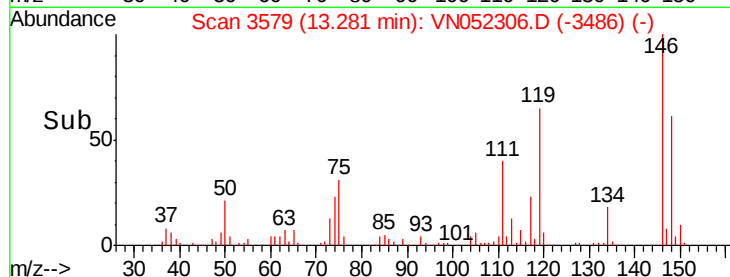
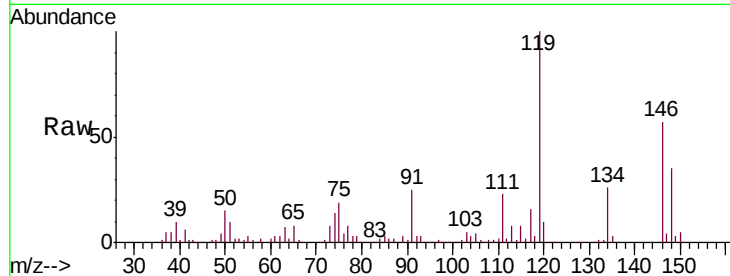
Tgt Ion:146 Resp: 114231

Ion Ratio Lower Upper

146 100

111 40.8 20.3 61.0

148 62.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.449 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

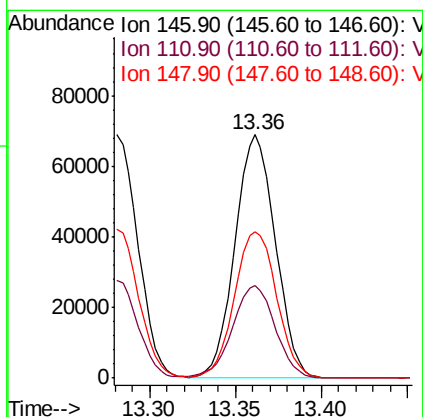
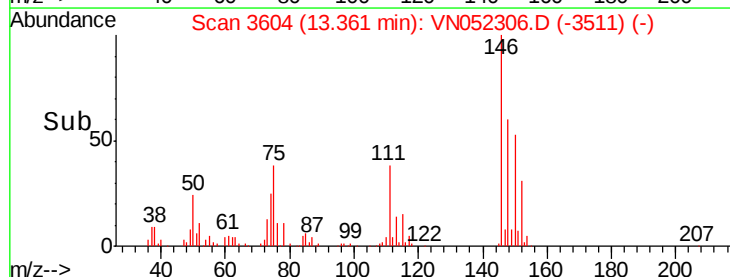
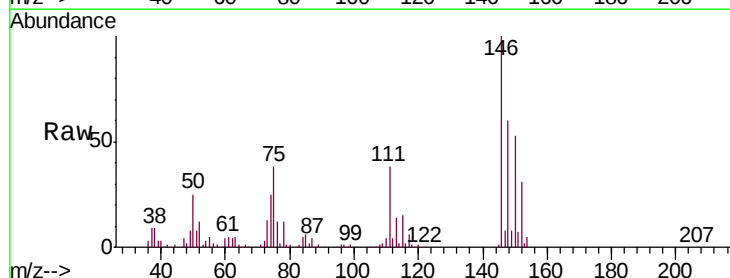
Tgt Ion:146 Resp: 112854

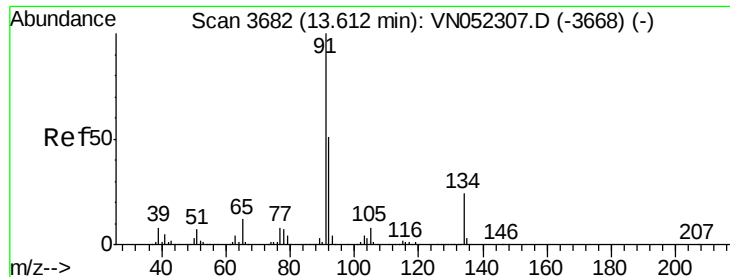
Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.8

148 62.9 32.4 97.2





#89

n-Butylbenzene

Concen: 19.588 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

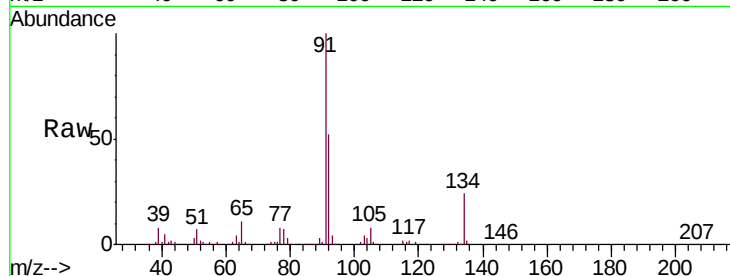
Tgt Ion: 91 Resp: 192496

Ion Ratio Lower Upper

91 100

92 52.1 25.4 76.2

134 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN052306.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052306.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052306.D (-3668) (-)

13.61

150000

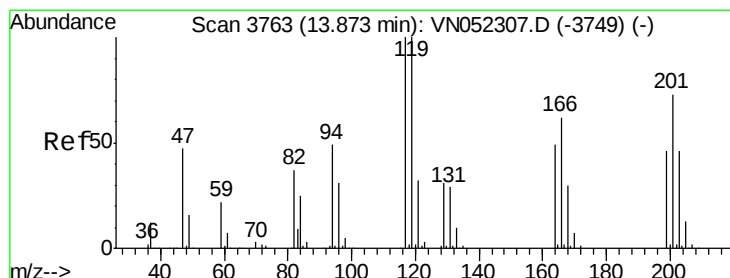
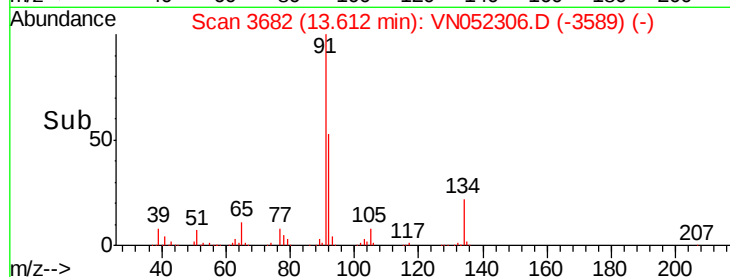
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 18.937 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052306.D

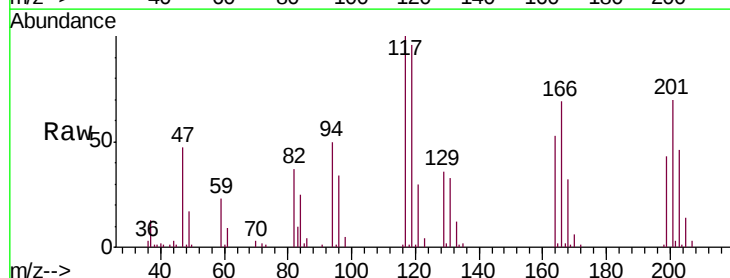
Acq: 14 Nov 2018 11:24

Tgt Ion: 117 Resp: 38378

Ion Ratio Lower Upper

117 100

201 69.4 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052306.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052306.D (-3749) (-)

13.87

25000

20000

15000

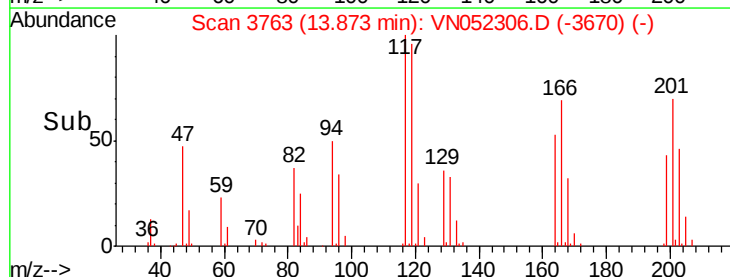
10000

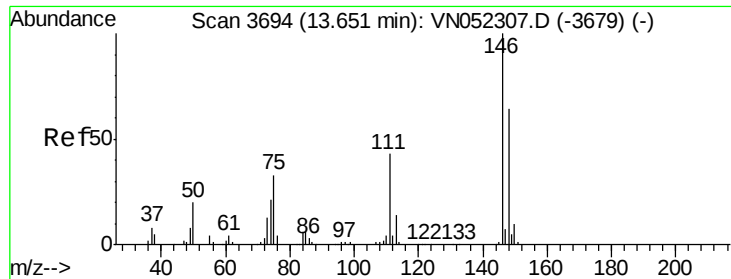
5000

0

13.80 13.85 13.90

Time-->

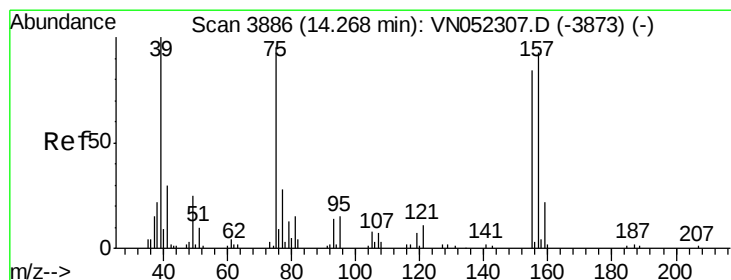
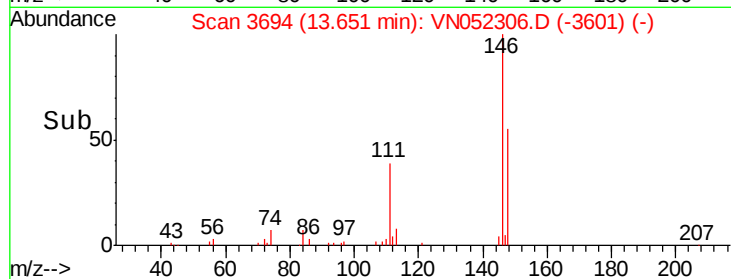
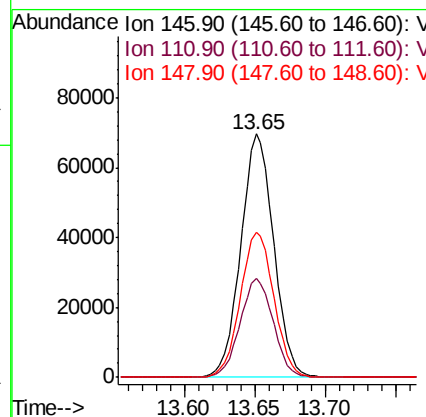
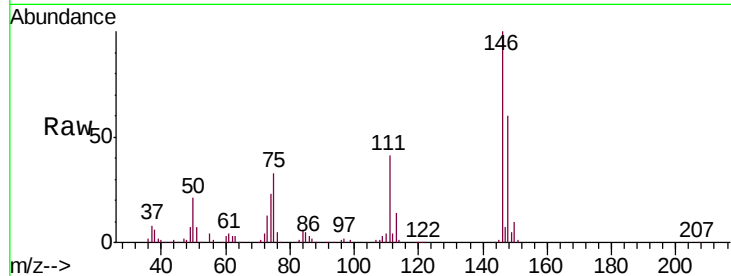




#91
 1,2-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

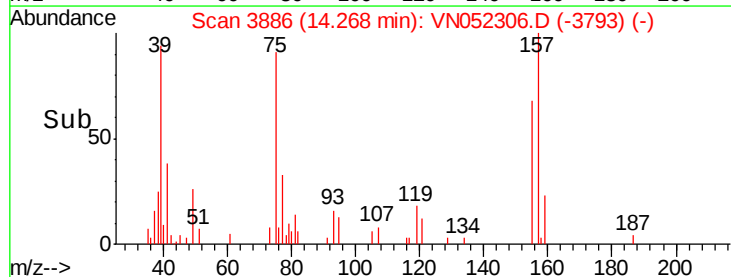
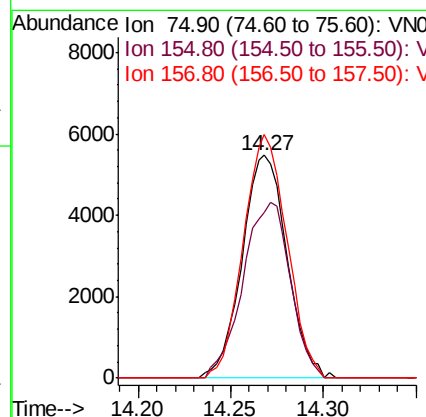
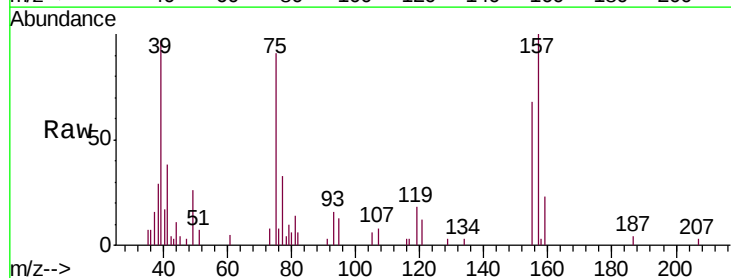
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

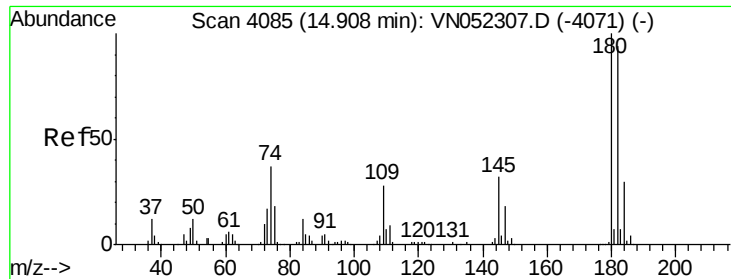
Tgt Ion:146 Resp: 113673
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.3 63.9
 148 60.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.270 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 75 Resp: 9198
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.4 127.3
 157 106.0 49.6 149.0

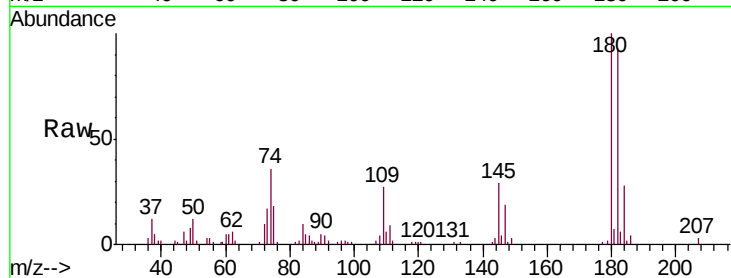




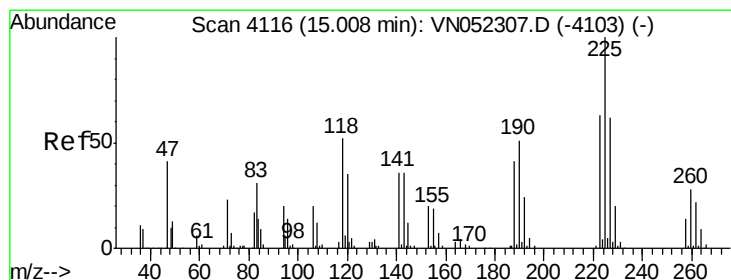
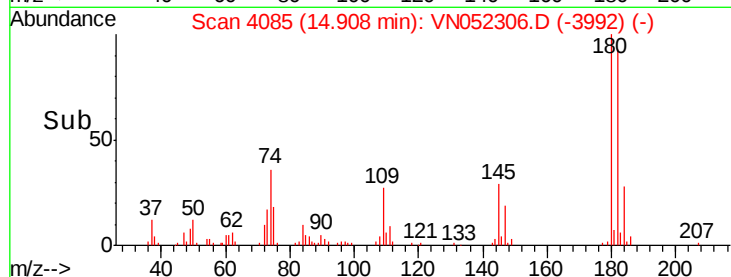
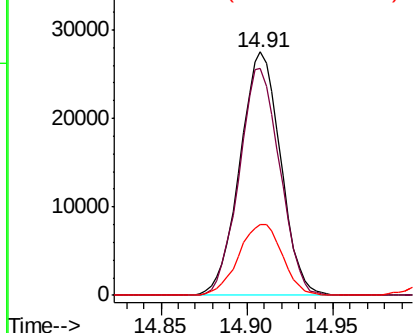
#93
1,2,4-Trichlorobenzene
Concen: 19.379 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:180 Resp: 45089
Ion Ratio Lower Upper
180 100
182 92.9 47.6 142.9
145 31.3 15.5 46.5

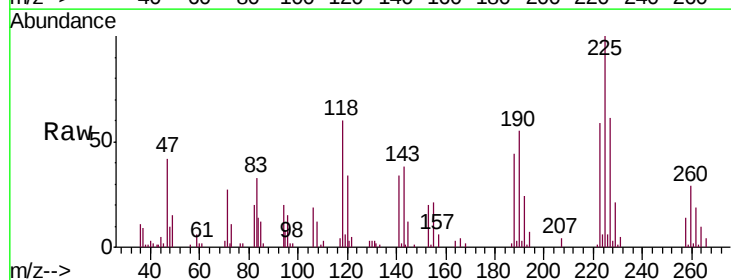


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

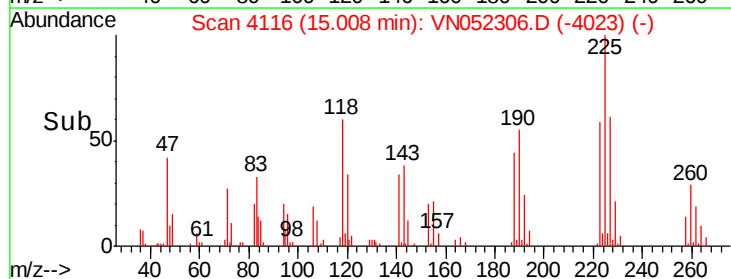
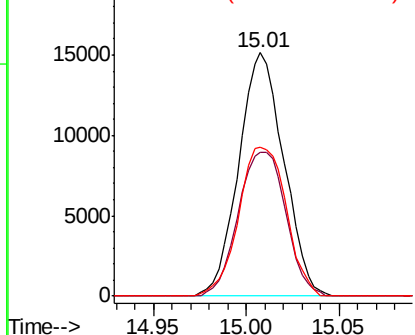


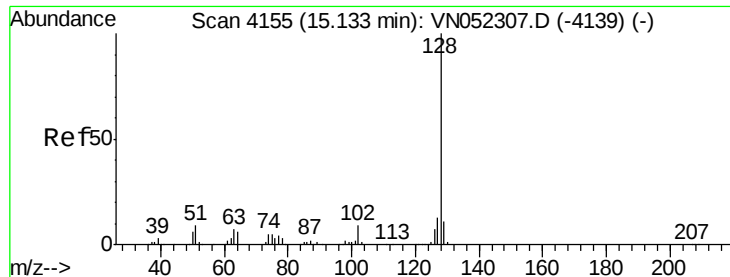
#94
Hexachlorobutadiene
Concen: 19.678 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:225 Resp: 25468
Ion Ratio Lower Upper
225 100
223 62.6 31.9 95.5
227 64.7 31.6 95.0



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





#95

Naphthalene

Concen: 19.545 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

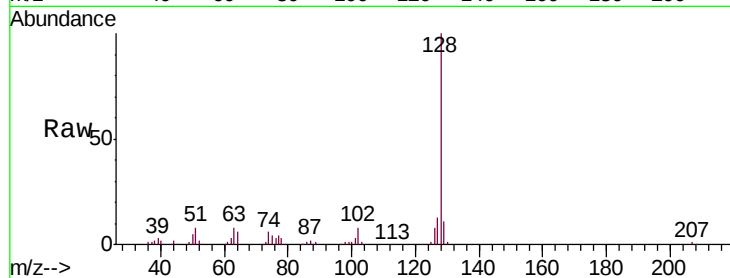
Tgt Ion:128 Resp: 102758

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

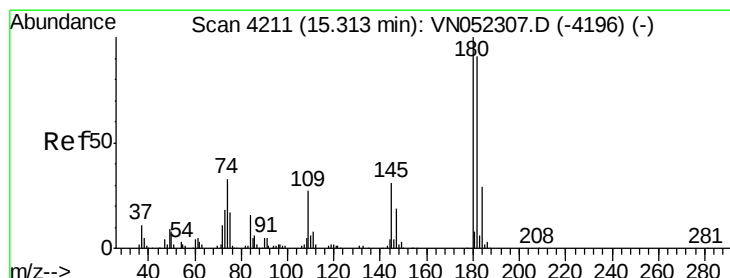
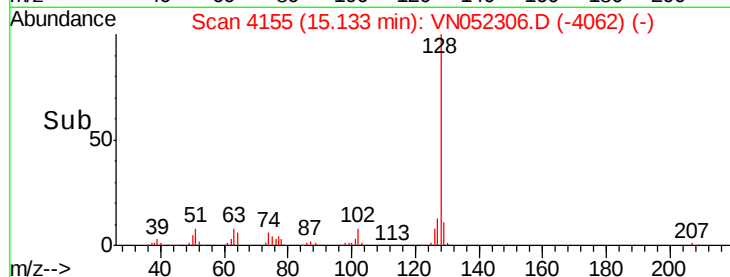
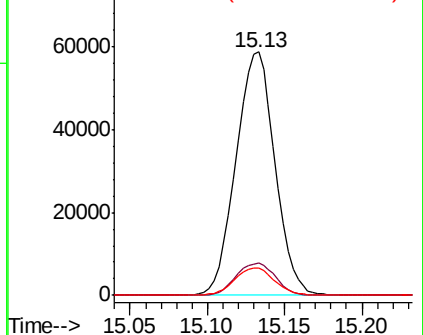
129 11.5 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 19.334 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

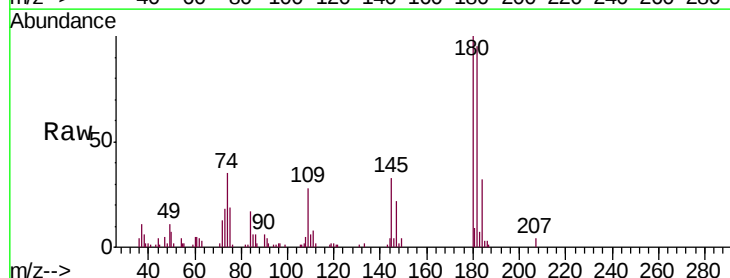
Tgt Ion:180 Resp: 41541

Ion Ratio Lower Upper

180 100

182 95.4 46.5 139.3

145 32.3 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

