

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059094.D
 Acq On : 6 Nov 2019 9:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 07 03:13:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	491406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	780209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	703018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123203	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
35) Dibromofluoromethane	7.57	113	94693	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
50) Toluene-d8	10.08	98	369906	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
62) 4-Bromofluorobenzene	12.40	95	127759	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98940	18.767	ug/l	99
3) Chloromethane	2.04	50	131547	18.416	ug/l	99
4) Vinyl Chloride	2.17	62	130305	18.769	ug/l	100
5) Bromomethane	2.55	94	77172	18.875	ug/l	98
6) Chloroethane	2.68	64	76060	17.890	ug/l	100
7) Trichlorofluoromethane	3.00	101	158340	19.145	ug/l	99
8) Diethyl Ether	3.39	74	62278	19.218	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95025	19.473	ug/l	100
10) Methyl Iodide	3.93	142	115410	19.369	ug/l	99
11) Tert butyl alcohol	4.75	59	112533	93.938	ug/l	98
12) 1,1-Dichloroethene	3.71	96	89837	18.524	ug/l	95
13) Acrolein	3.58	56	55632	77.072	ug/l	99
14) Allyl chloride	4.30	41	184250	19.174	ug/l	99
15) Acrylonitrile	4.95	53	284569	94.331	ug/l	98
16) Acetone	3.79	43	352068	106.433	ug/l	98
17) Carbon Disulfide	4.03	76	274157	17.917	ug/l	99
18) Methyl Acetate	4.29	43	148137	17.780	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	322795	19.515	ug/l	99
20) Methylene Chloride	4.52	84	107677	18.708	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	98236	18.891	ug/l	97
22) Diisopropyl ether	5.92	45	362927	19.811	ug/l	98
23) Vinyl Acetate	5.87	43	1475546	101.378	ug/l	100
24) 1,1-Dichloroethane	5.82	63	201494	19.223	ug/l	99
25) 2-Butanone	6.81	43	428865	98.038	ug/l	99
26) 2,2-Dichloropropane	6.80	77	169517	18.663	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112958	19.219	ug/l	99
28) Bromochloromethane	7.17	49	58346	18.158	ug/l	99
29) Tetrahydrofuran	7.19	42	264725	95.971	ug/l	99
30) Chloroform	7.35	83	190168	18.983	ug/l	98
31) Cyclohexane	7.63	56	185140	18.598	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	162827	19.215	ug/l	99
36) 1,1-Dichloropropene	7.77	75	147167	19.073	ug/l	98
37) Ethyl Acetate	6.90	43	158357	18.446	ug/l	99
38) Carbon Tetrachloride	7.75	117	145146	19.282	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	165412	18.601	ug/l	98
40) Benzene	8.02	78	440043	19.167	ug/l	98
41) Methacrylonitrile	7.15	41	74284	19.907	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	150714	18.891	ug/l	100
43) Isopropyl Acetate	8.14	43	252227	18.829	ug/l	100
44) Trichloroethene	8.82	130	106011	18.746	ug/l	97
45) 1,2-Dichloropropane	9.10	63	118161	19.012	ug/l	97
46) Dibromomethane	9.19	93	72781	18.971	ug/l	99
47) Bromodichloromethane	9.39	83	148115	19.028	ug/l	100
48) Methyl methacrylate	9.18	41	110584	18.095	ug/l	100
49) 1,4-Dioxane	9.18	88	39411	397.956	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	792447	101.540	ug/l	98
52) Toluene	10.14	92	261711	19.488	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165662	18.456	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	183667	19.418	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104099	18.960	ug/l	100
56) Ethyl methacrylate	10.42	69	156817	18.997	ug/l	99
57) 1,3-Dichloropropane	10.70	76	182107	19.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	313810	95.784	ug/l	99
59) 2-Hexanone	10.74	43	596051	100.536	ug/l	99
60) Dibromochloromethane	10.90	129	110608	18.760	ug/l	100
61) 1,2-Dibromoethane	11.00	107	105512	19.032	ug/l	99
64) Tetrachloroethene	10.62	164	95604	19.480	ug/l	97
65) Chlorobenzene	11.43	112	272870	18.979	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	102582	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	490481	19.714	ug/l	99
68) m/p-Xylenes	11.62	106	362216	38.932	ug/l	98
69) o-Xylene	11.95	106	172684	19.453	ug/l	100
70) Styrene	11.96	104	275178	19.165	ug/l	98
71) Bromoform	12.13	173	75823	18.513	ug/l #	99
73) Isopropylbenzene	12.25	105	468751	20.181	ug/l	100
74) N-amyl acetate	12.07	43	192784	18.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	156929	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	208471	28.187	ug/l #	100
77) Bromobenzene	12.53	156	112331	19.275	ug/l	99
78) n-propylbenzene	12.59	91	538327	20.054	ug/l	100
79) 2-Chlorotoluene	12.67	91	322470	19.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398366	20.167	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53084	18.407	ug/l	98
82) 4-Chlorotoluene	12.77	91	330122	19.387	ug/l	100
83) tert-Butylbenzene	12.99	119	334647	19.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	388982	20.337	ug/l	98
85) sec-Butylbenzene	13.17	105	446750	20.306	ug/l	100
86) p-Isopropyltoluene	13.29	119	396543	20.014	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	196054	19.005	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192018	18.838	ug/l	99
89) n-Butylbenzene	13.62	91	335939	19.527	ug/l	99
90) Hexachloroethane	13.88	117	75911	19.303	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	195541	19.002	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30398	17.037	ug/l	99

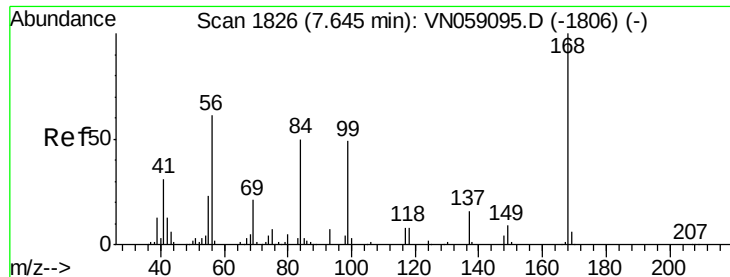
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
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Acq On : 6 Nov 2019 9:39
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101762	18.442	ug/l	98
94) Hexachlorobutadiene	15.01	225	63967	19.187	ug/l	98
95) Naphthalene	15.13	128	272857	18.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104711	18.555	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

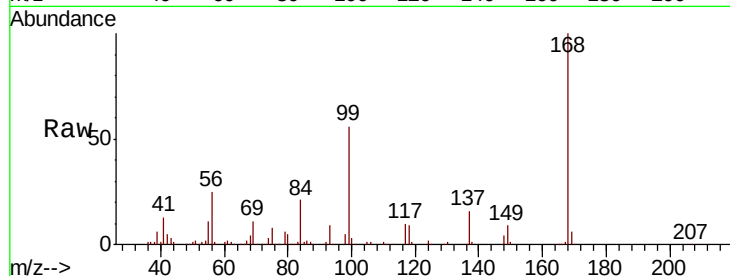
VSTDIC020

Tot Ion:168 Resp: 491406

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

200000

150000

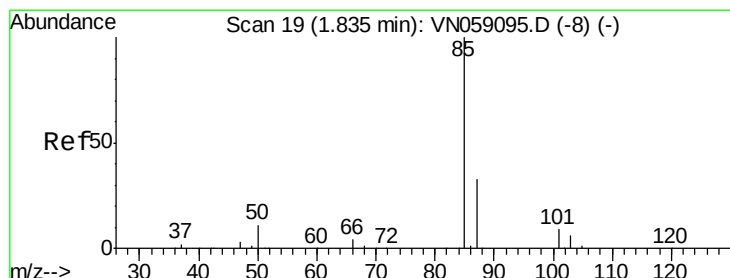
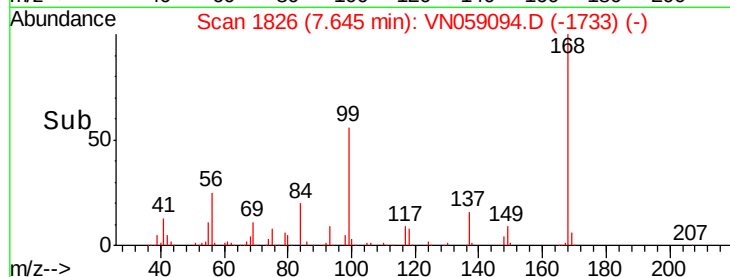
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.767 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059094.D

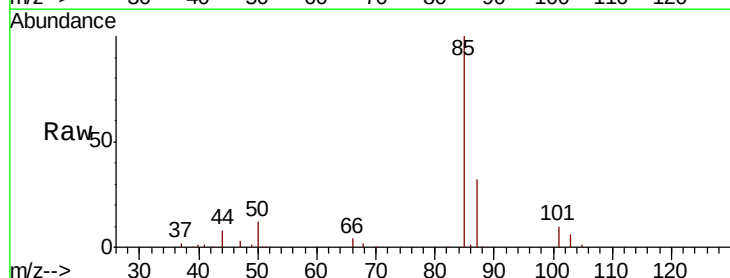
Acq: 6 Nov 2019 9:39

Tgt Ion: 85 Resp: 98940

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059095.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059095.D (-8) (-)

1.83

80000

60000

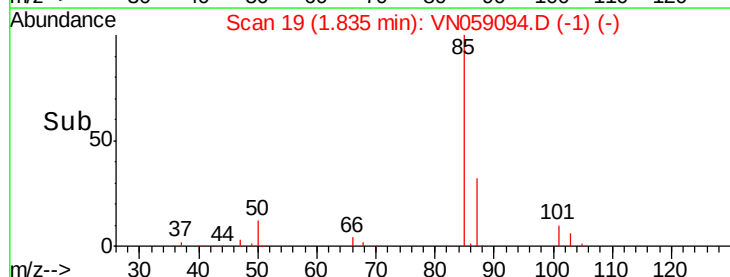
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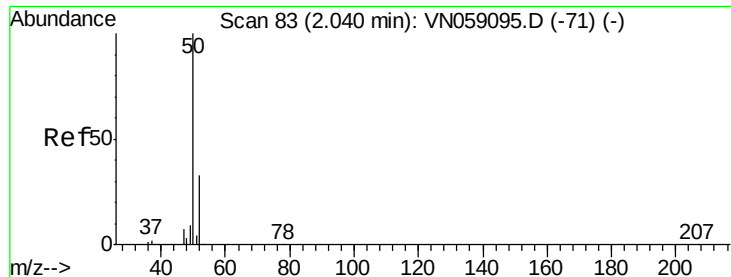
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.416 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

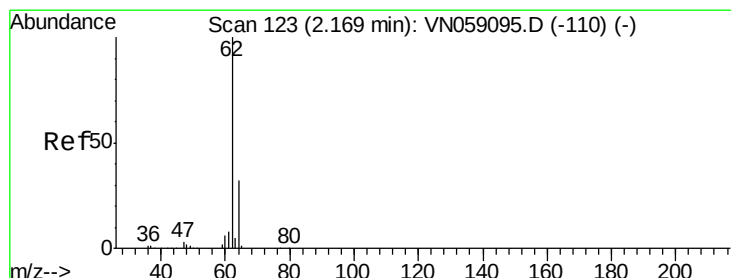
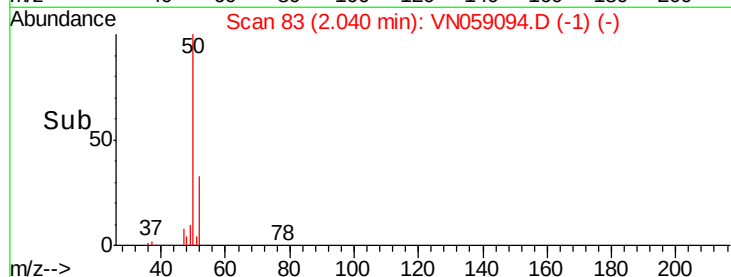
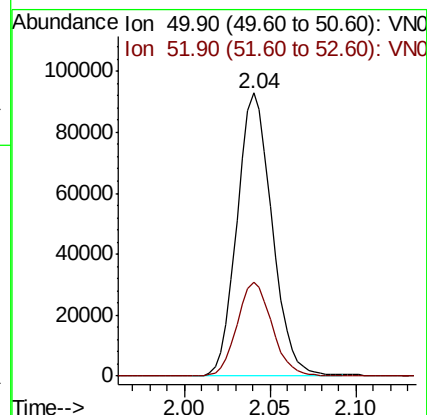
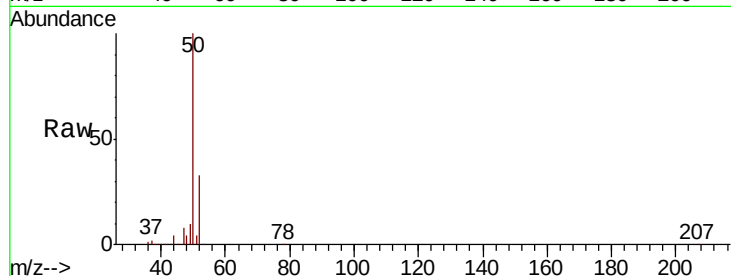
VSTDIC020

Tot Ion: 50 Resp: 131547

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 18.769 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059094.D

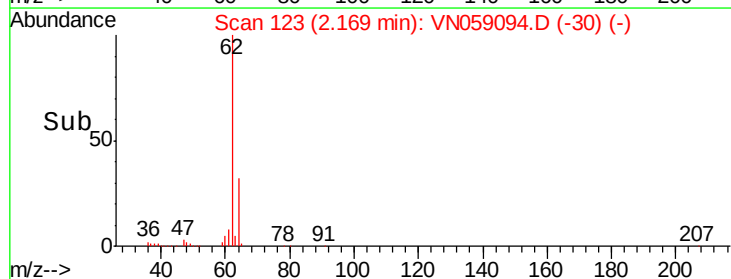
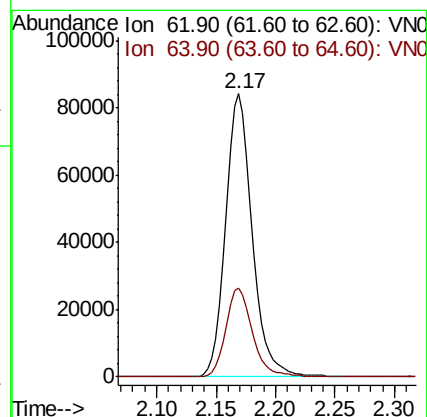
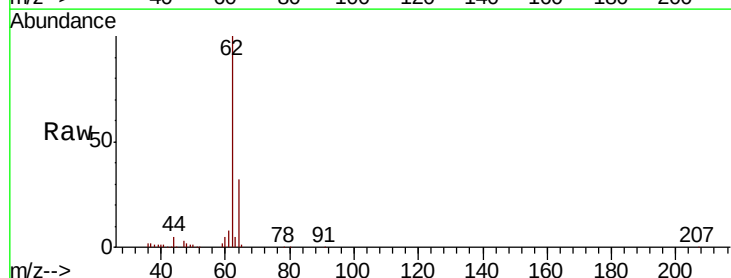
Acq: 6 Nov 2019 9:39

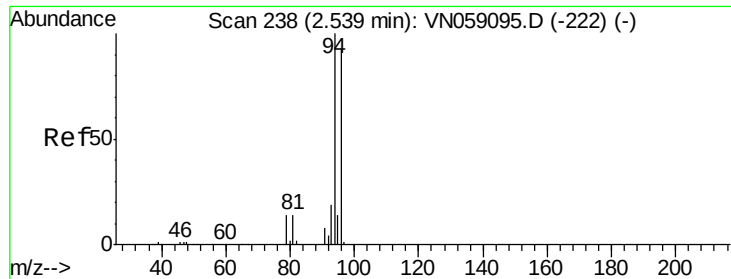
Tgt Ion: 62 Resp: 130305

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 18.875 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

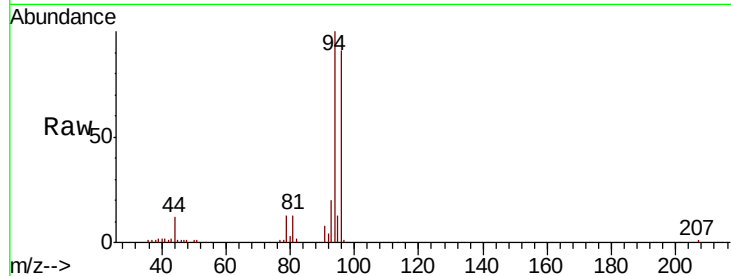
VSTDIC020

Tot Ion: 94 Resp: 77172

Ion Ratio Lower Upper

94 100

96 91.0 74.2 111.2

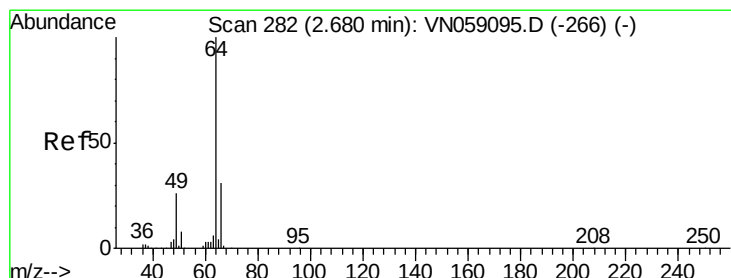
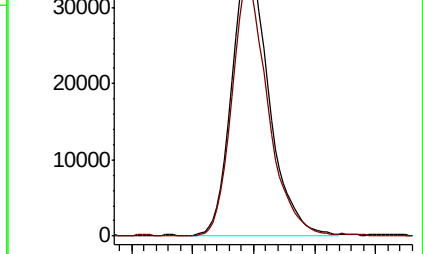
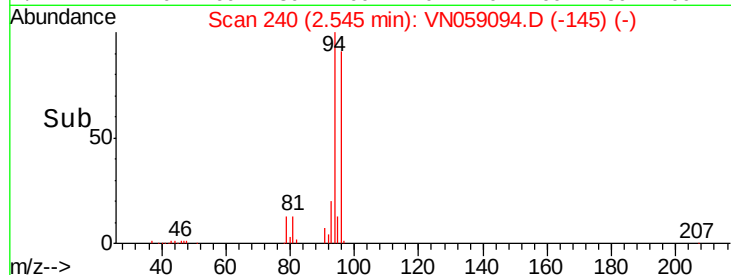


Abundance Ion 93.90 (93.60 to 94.60): VN059094.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059094.D (-145) (-)

2.55

Time-->



#6

Chloroethane

Concen: 17.890 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059094.D

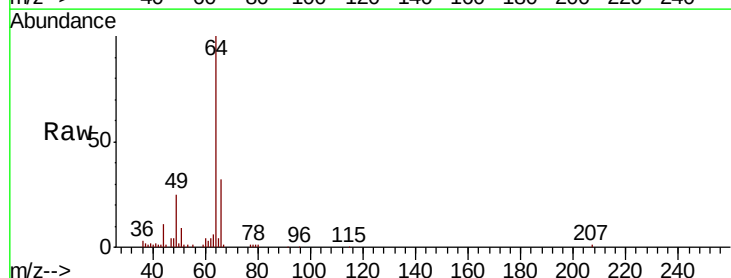
Acq: 6 Nov 2019 9:39

Tgt Ion: 64 Resp: 76060

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8

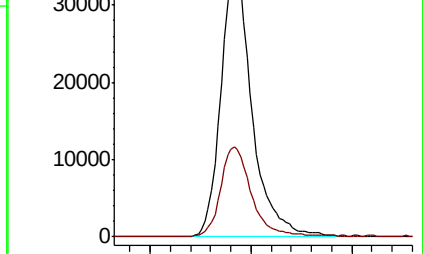
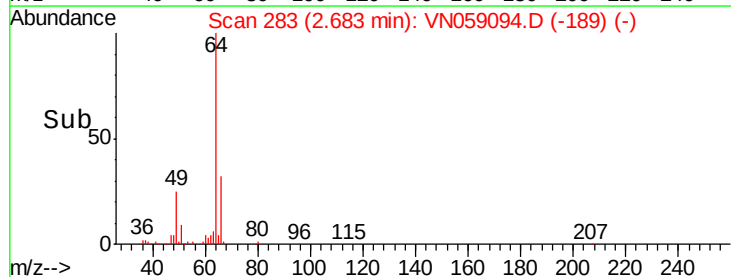


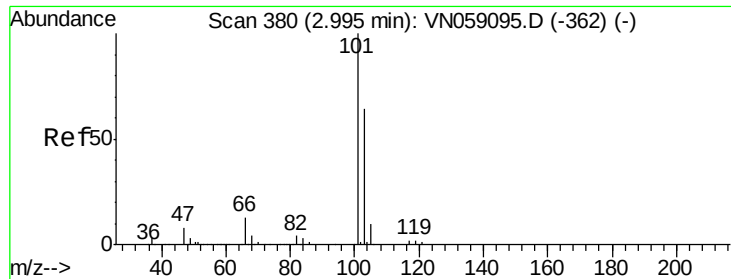
Abundance Ion 63.90 (63.60 to 64.60): VN059094.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059094.D (-189) (-)

2.68

Time-->



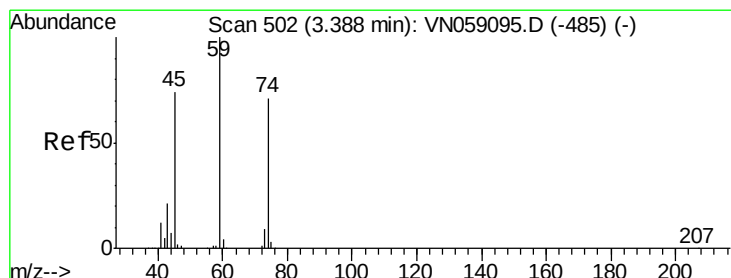
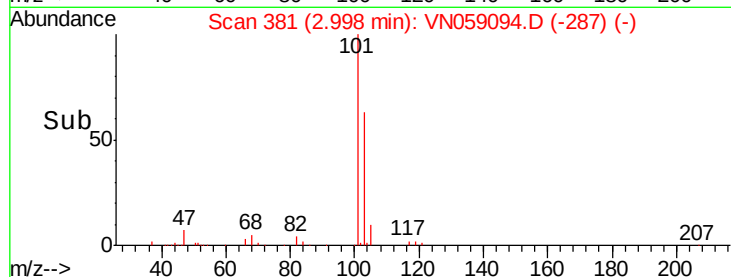
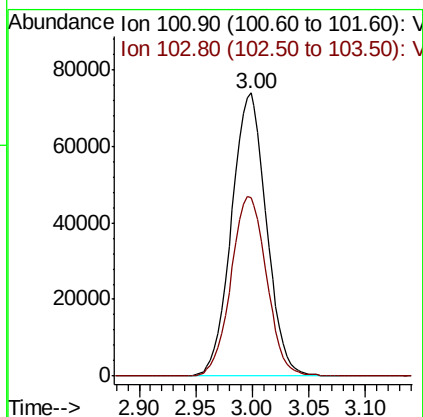
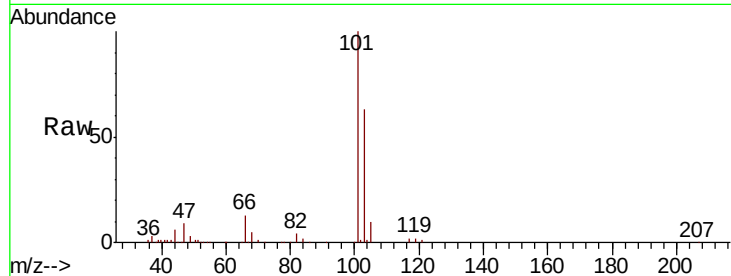


#7

Trichlorofluoromethane
Concen: 19.145 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
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ClientSampleId :
VSTDIC020

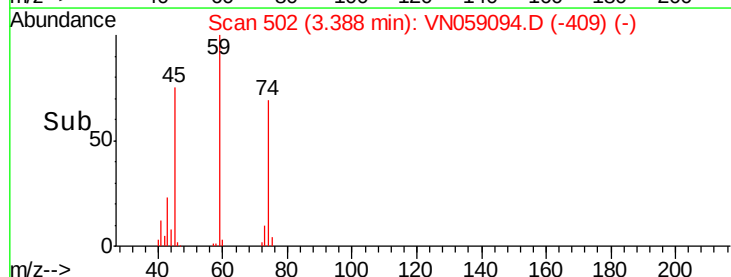
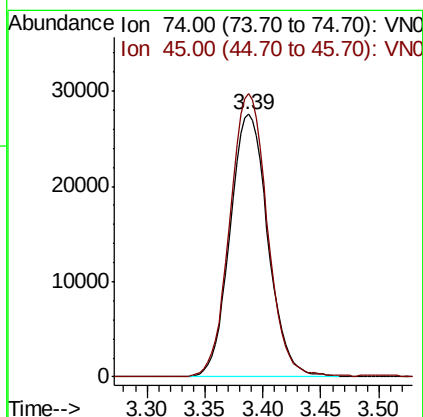
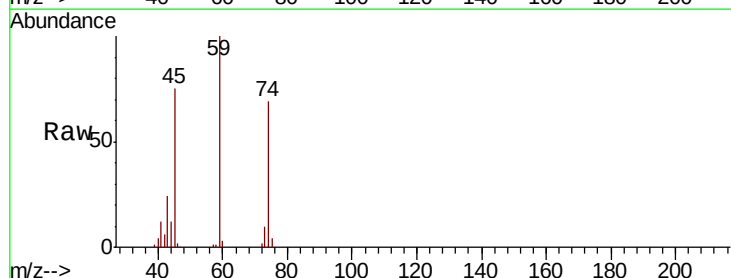
Tot Ion:101 Resp: 158340
Ion Ratio Lower Upper
101 100
103 63.0 51.2 76.8

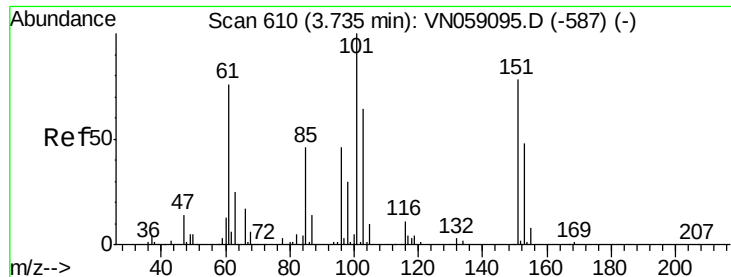


#8

Diethyl Ether
Concen: 19.218 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 74 Resp: 62278
Ion Ratio Lower Upper
74 100
45 107.4 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.473 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

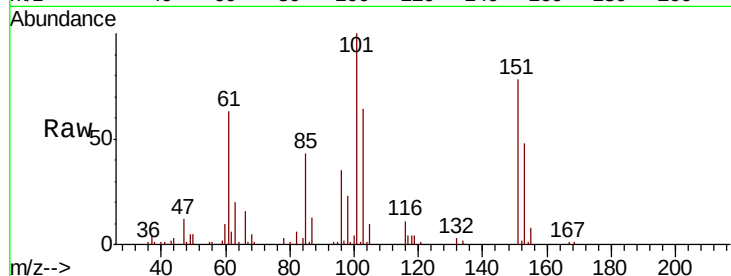
Tot Ion:101 Resp: 95025

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

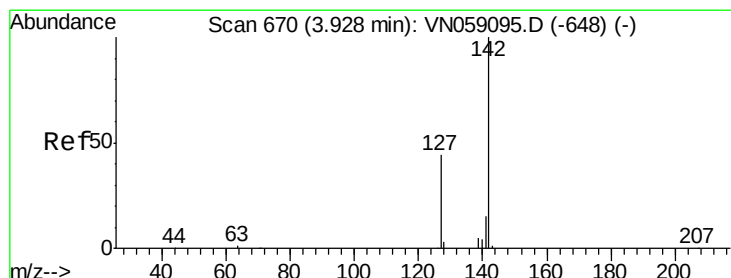
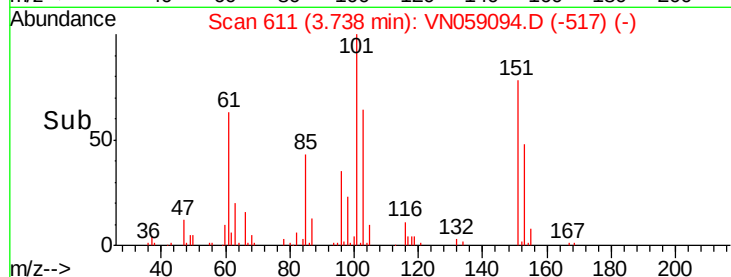
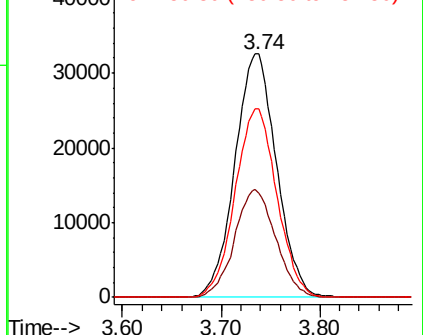
151 77.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.369 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

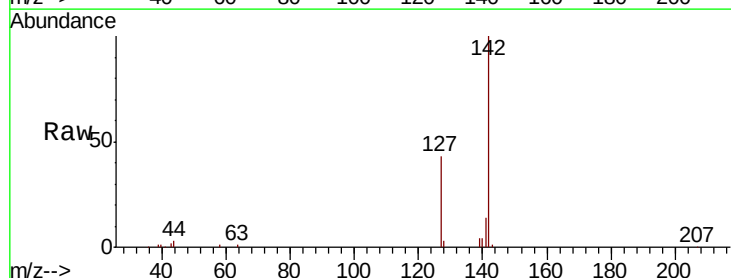
Tgt Ion:142 Resp: 115410

Ion Ratio Lower Upper

142 100

127 43.1 34.2 51.2

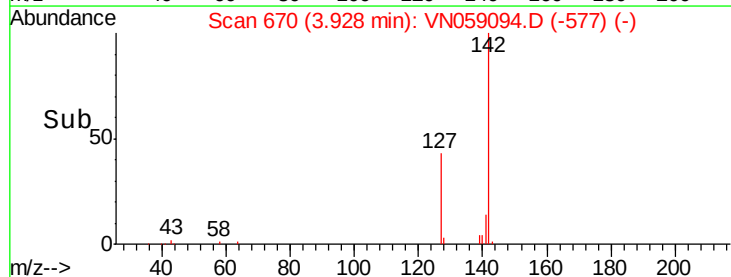
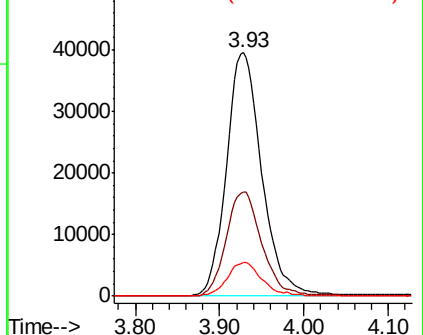
141 13.7 11.4 17.0

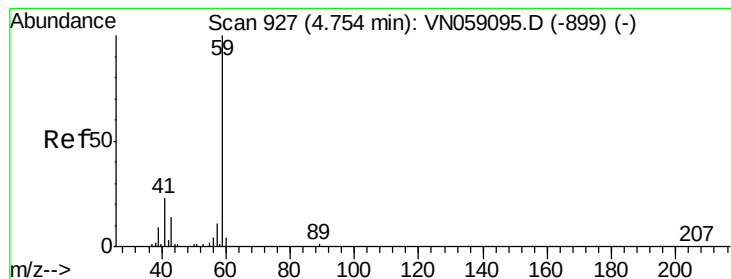


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.938 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

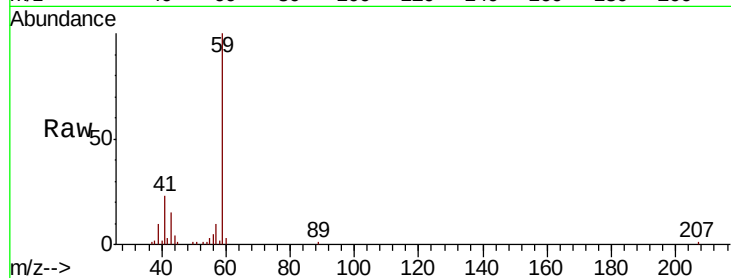
VSTDIC020

Tot Ion: 59 Resp: 112533

Ion Ratio Lower Upper

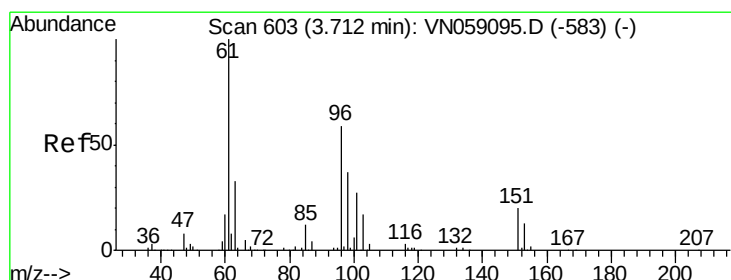
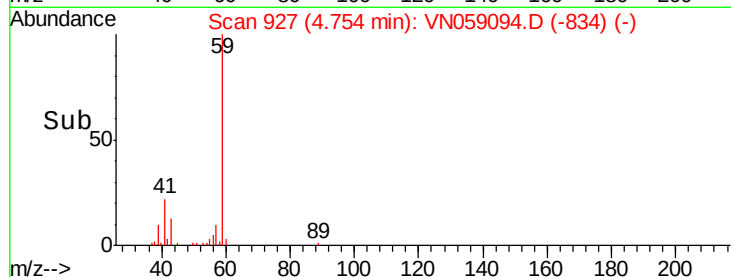
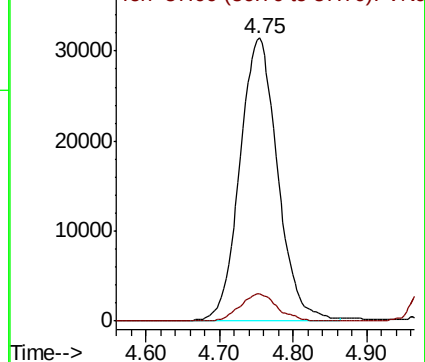
59 100

57 9.5 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.524 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

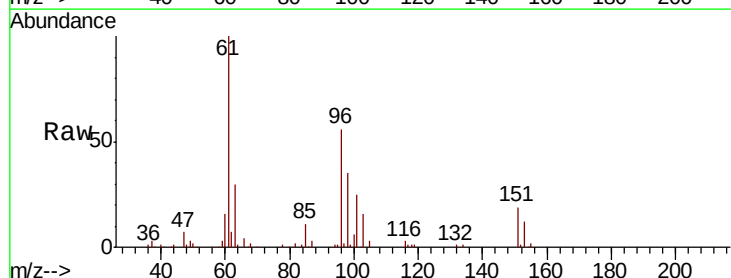
Tgt Ion: 96 Resp: 89837

Ion Ratio Lower Upper

96 100

61 179.2 136.5 204.7

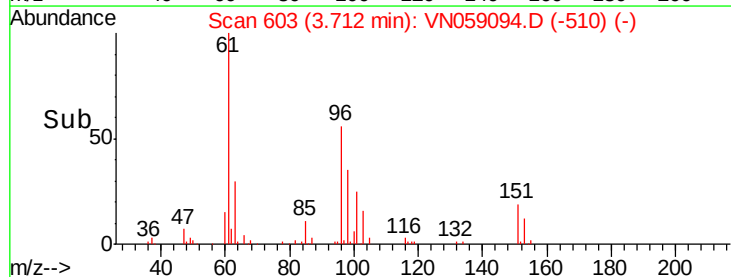
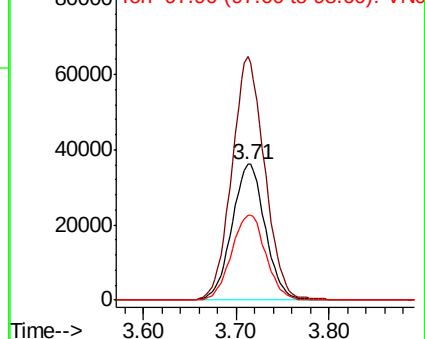
98 62.4 50.2 75.4

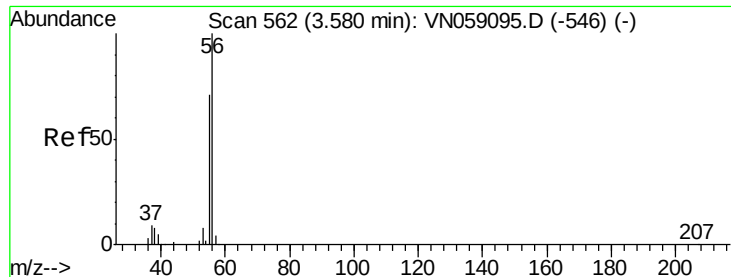


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 77.072 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

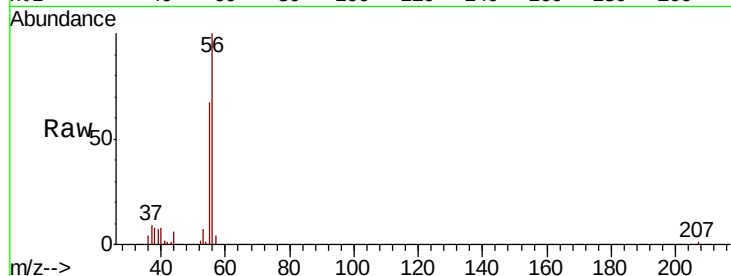
VSTDIC020

Tot Ion: 56 Resp: 55632

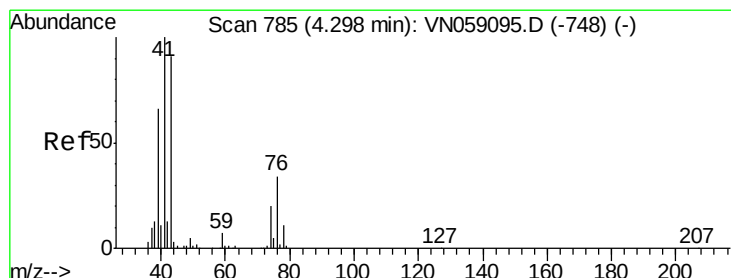
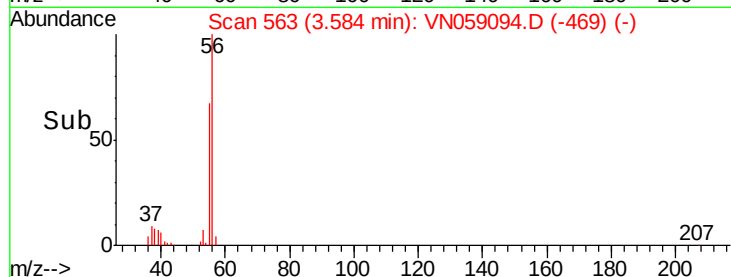
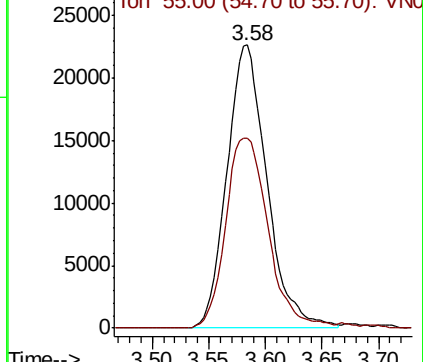
Ion Ratio Lower Upper

56 100

55 71.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059094.D (-546) (-)



#14

Allyl chloride

Concen: 19.174 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

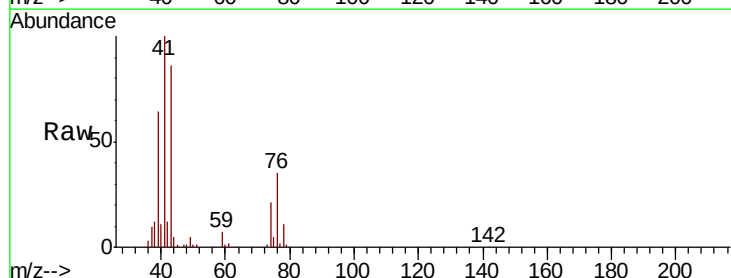
Tgt Ion: 41 Resp: 184250

Ion Ratio Lower Upper

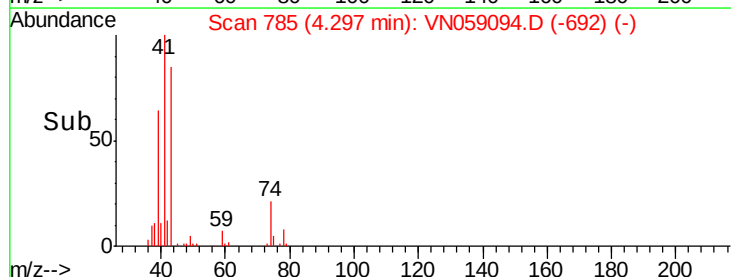
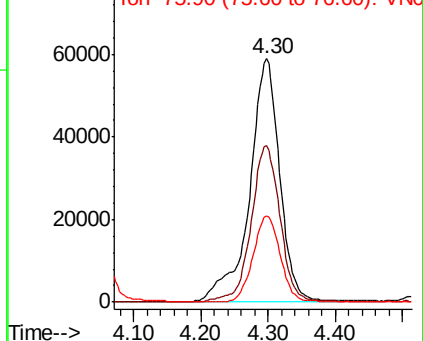
41 100

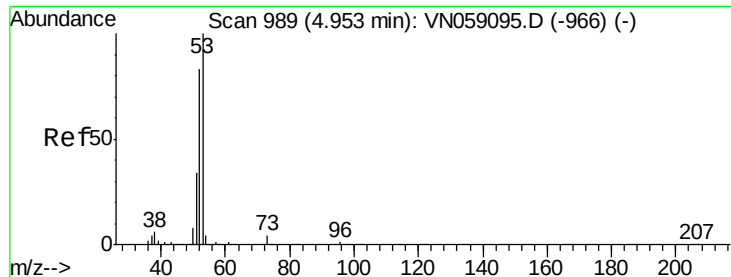
39 61.0 49.1 73.7

76 31.7 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN059094.D (-692) (-)





#15

Acrylonitrile

Concen: 94.331 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

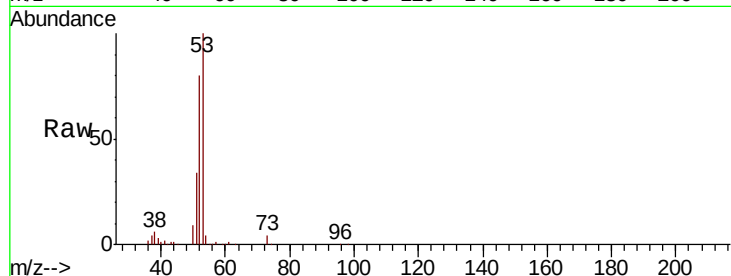
Tot Ion: 53 Resp: 284569

Ion Ratio Lower Upper

53 100

52 83.1 65.0 97.6

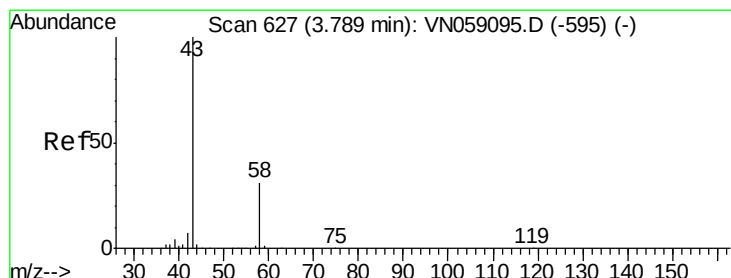
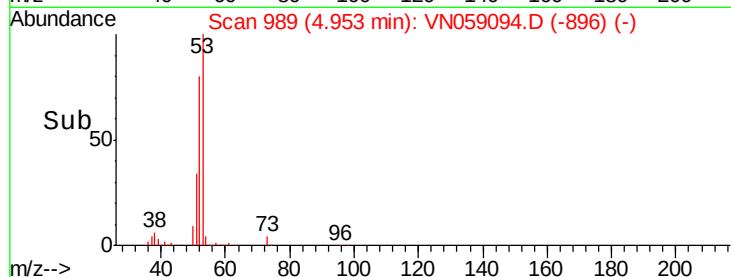
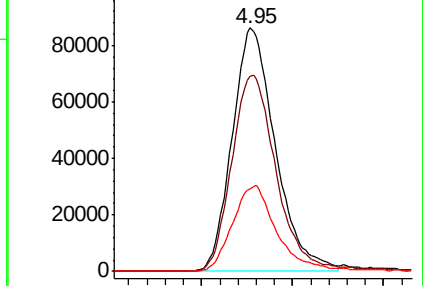
51 36.2 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059094.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059094.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059094.D (-966) (-)



#16

Acetone

Concen: 106.433 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059094.D

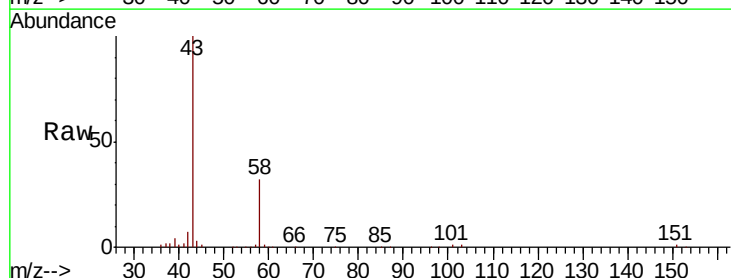
Acq: 6 Nov 2019 9:39

Tgt Ion: 43 Resp: 352068

Ion Ratio Lower Upper

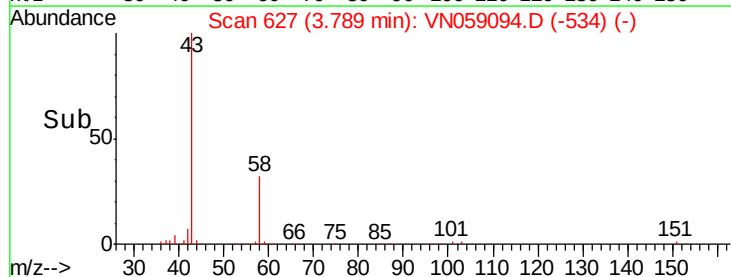
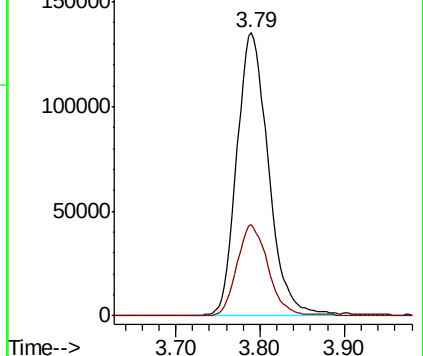
43 100

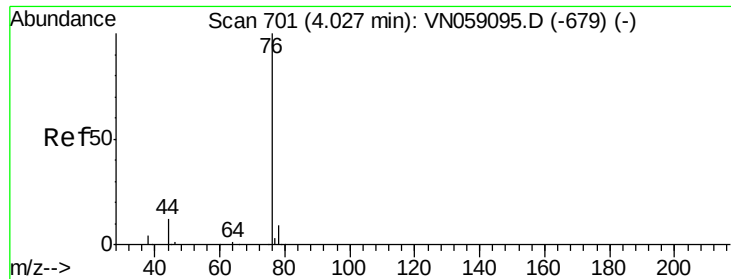
58 32.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059094.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059094.D (-534) (-)





#17

Carbon Disulfide

Concen: 17.917 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

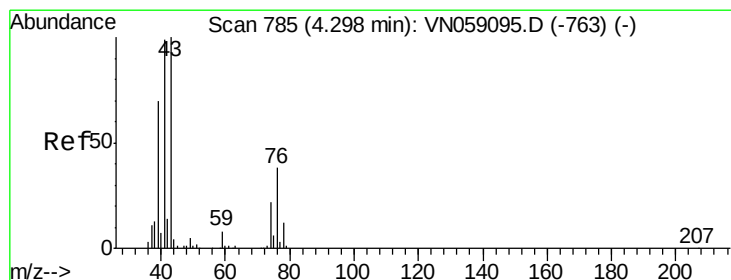
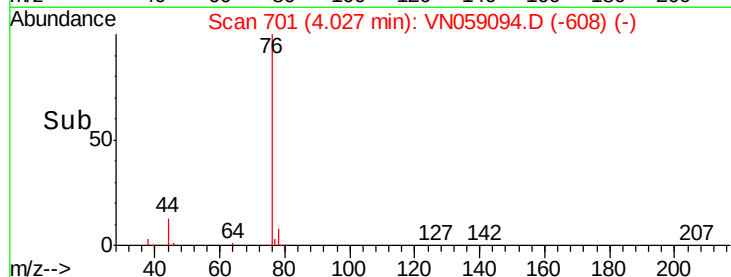
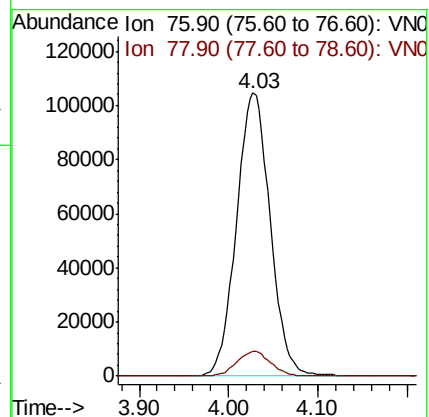
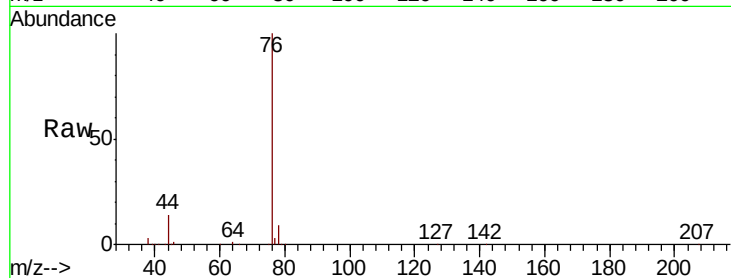
VSTDIC020

Tot Ion: 76 Resp: 274157

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



#18

Methyl Acetate

Concen: 17.780 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059094.D

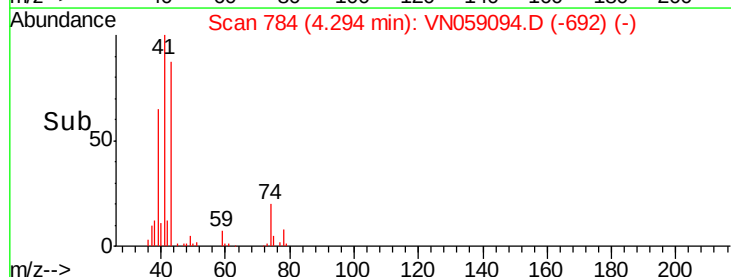
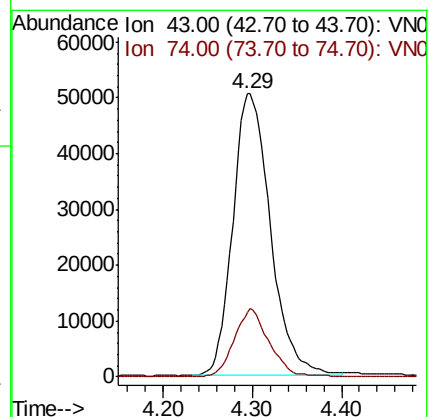
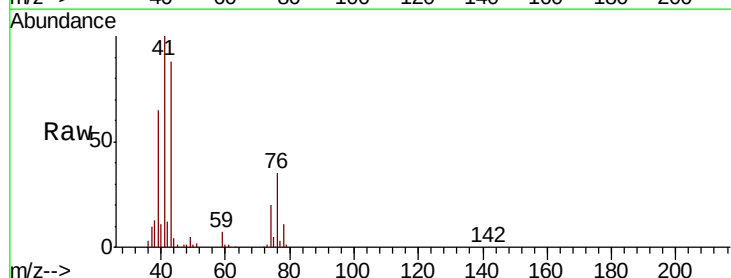
Acq: 6 Nov 2019 9:39

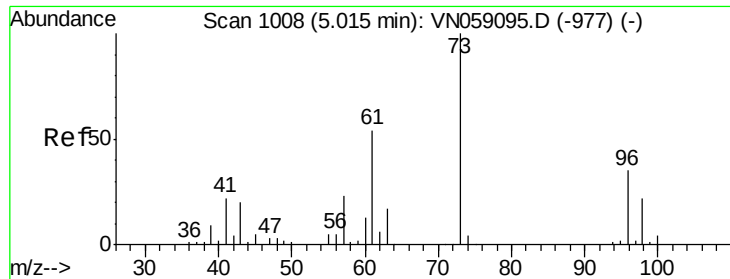
Tgt Ion: 43 Resp: 148137

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8

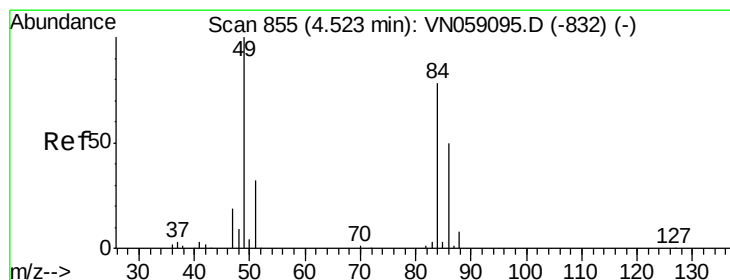
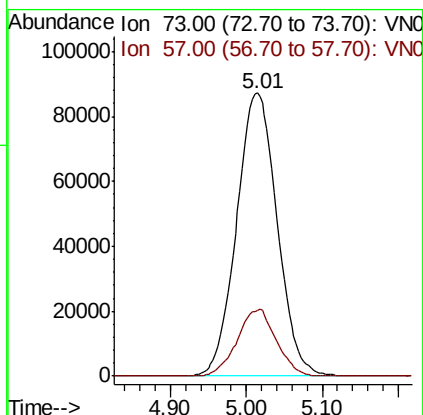
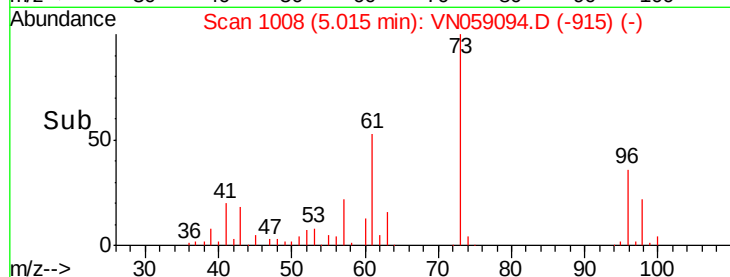
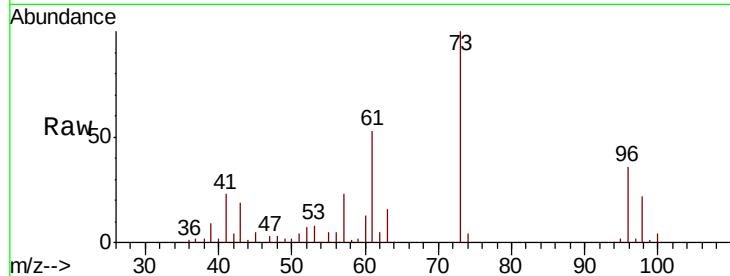




#19
Methyl tert-butyl Ether
Concen: 19.515 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

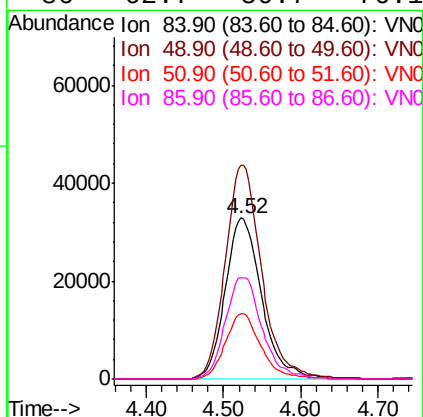
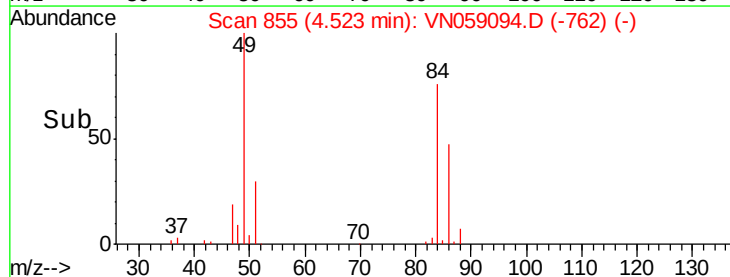
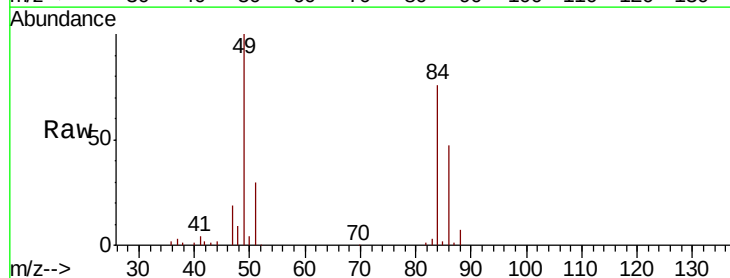
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

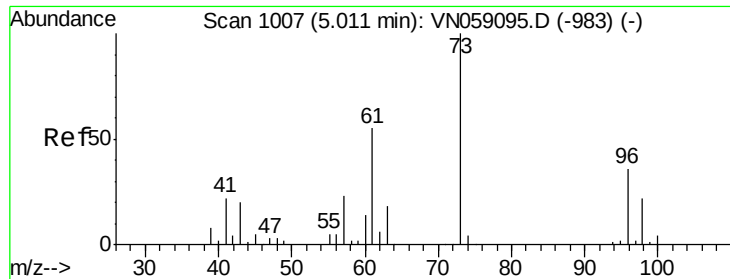
Tot Ion: 73 Resp: 322795
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 18.708 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 84 Resp: 107677
Ion Ratio Lower Upper
84 100
49 132.3 102.0 153.0
51 40.4 32.2 48.2
86 62.7 50.7 76.1

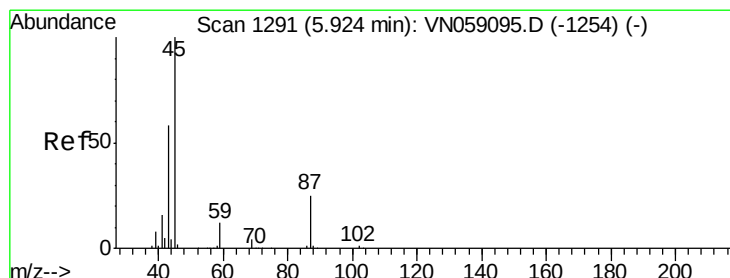
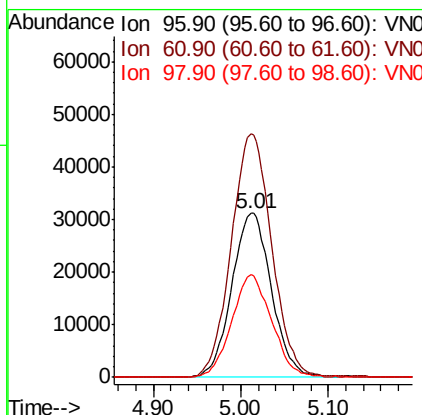
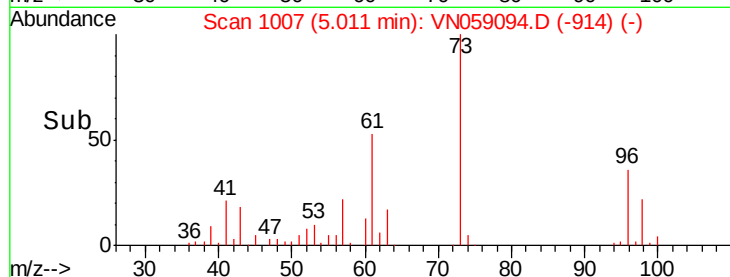
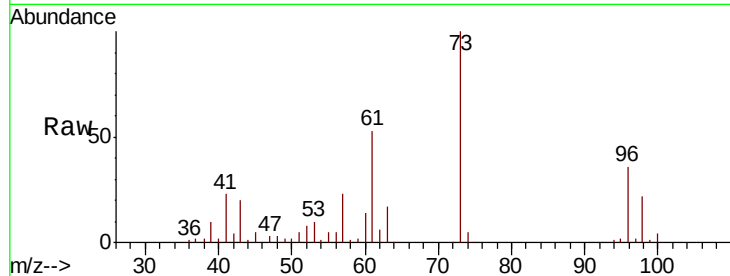




#21
trans-1,2-Dichloroethene
Concen: 18.891 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

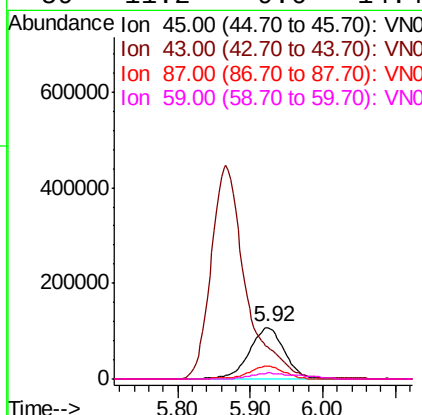
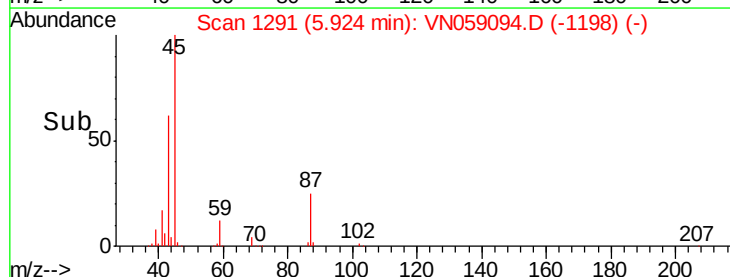
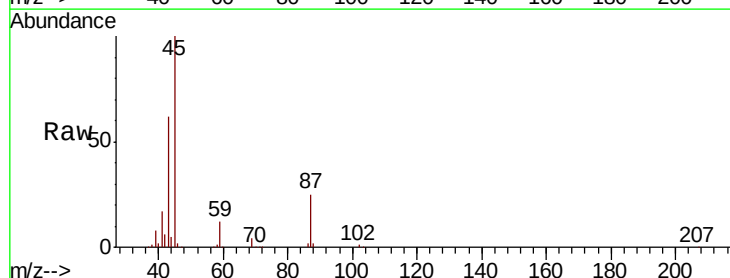
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

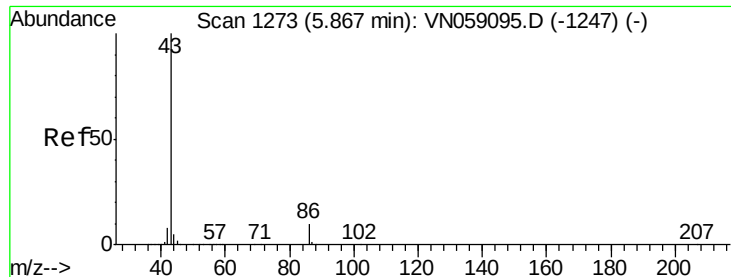
Tot Ion: 96 Resp: 98236
Ion Ratio Lower Upper
96 100
61 148.6 122.6 183.8
98 62.5 50.3 75.5



#22
Diisopropyl ether
Concen: 19.811 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 45 Resp: 362927
Ion Ratio Lower Upper
45 100
43 60.0 46.7 70.1
87 24.5 20.5 30.7
59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 101.378 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

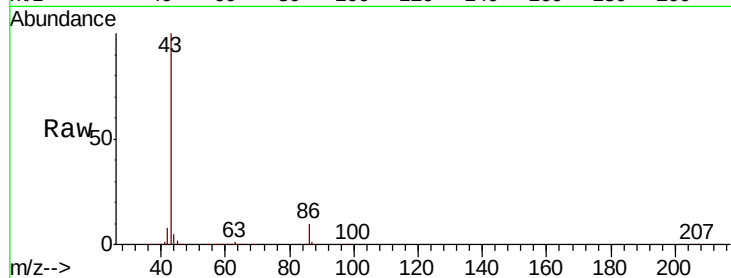
VSTDIC020

Tot Ion: 43 Resp: 1475546

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059095.D (-1247) (-)

5.87

400000

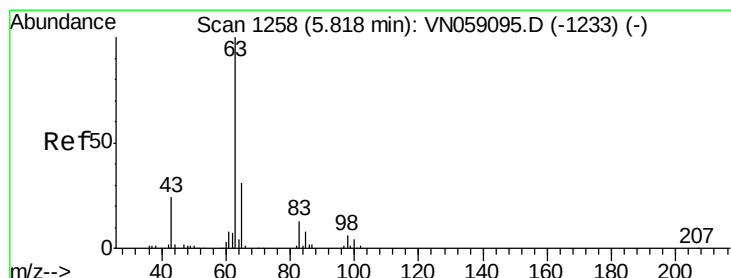
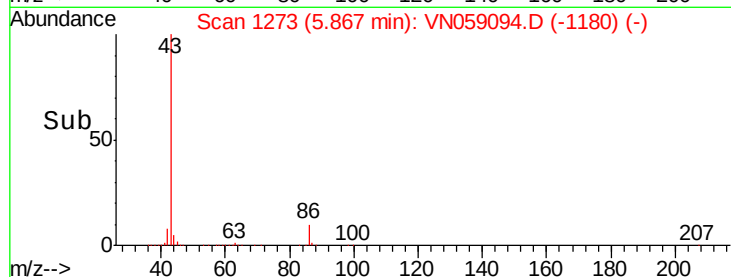
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.223 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

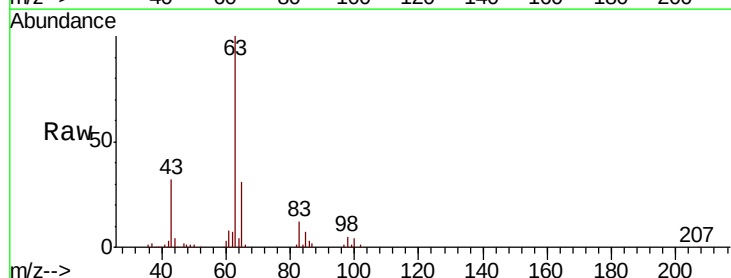
Tgt Ion: 63 Resp: 201494

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059095.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059095.D (-1233) (-)

5.82

80000

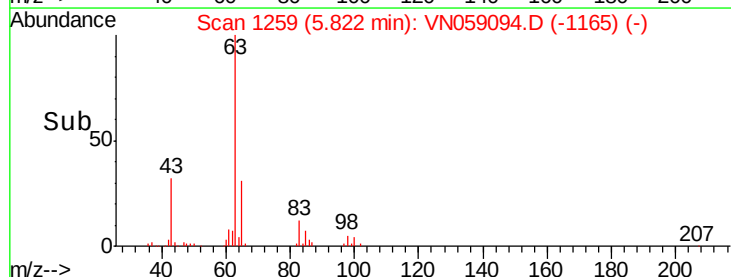
60000

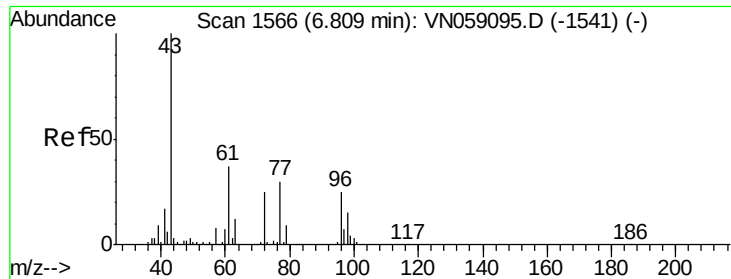
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.038 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

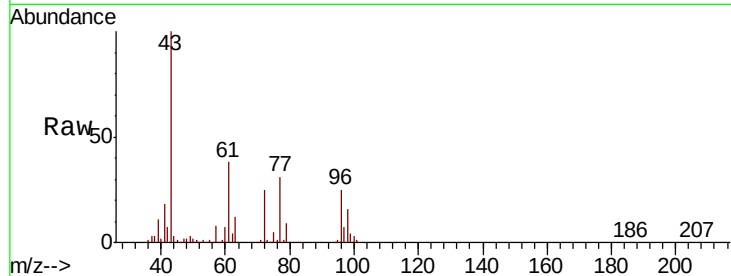
VSTDIC020

Tot Ion: 43 Resp: 428865

Ion Ratio Lower Upper

43 100

72 24.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059095.D (-1541) (-)

6.81

150000

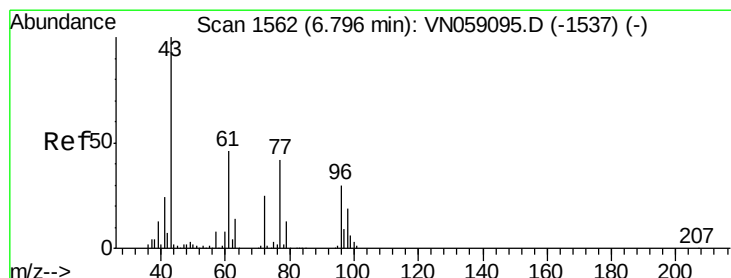
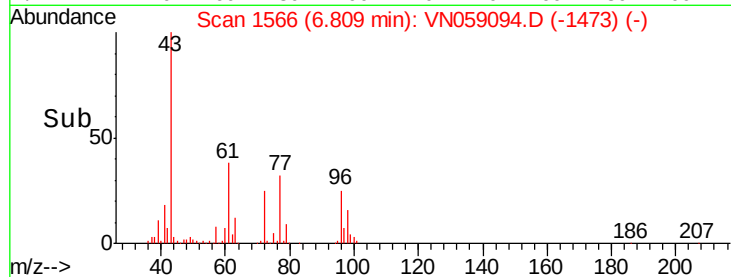
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.663 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059094.D

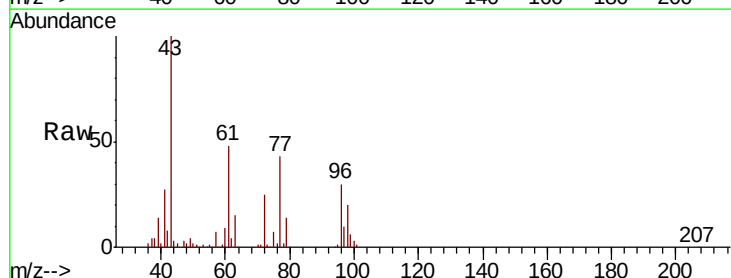
Acq: 6 Nov 2019 9:39

Tgt Ion: 77 Resp: 169517

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN059095.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN059095.D (-1537) (-)

6.80

60000

50000

40000

30000

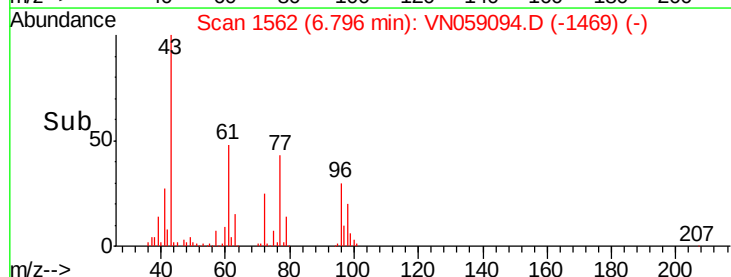
20000

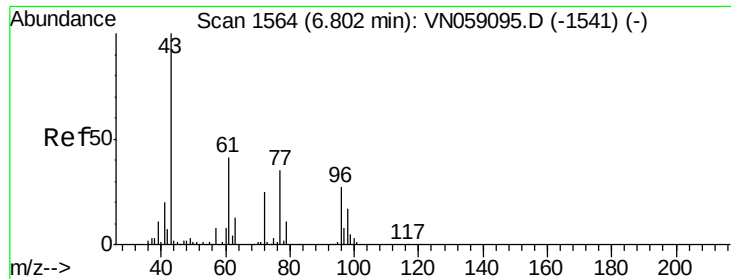
10000

0

6.70 6.80 6.90

Time-->

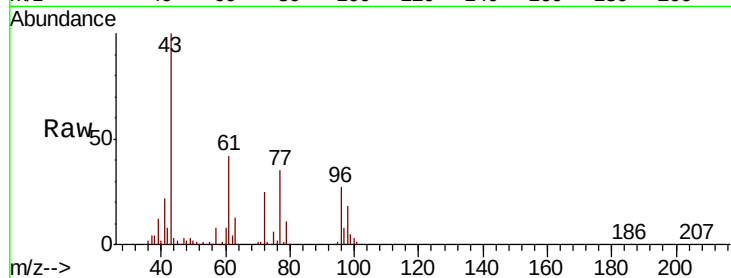




#27
 cis-1,2-Dichloroethene
 Concen: 19.219 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	311.6
98	65.6	0.0	129.8

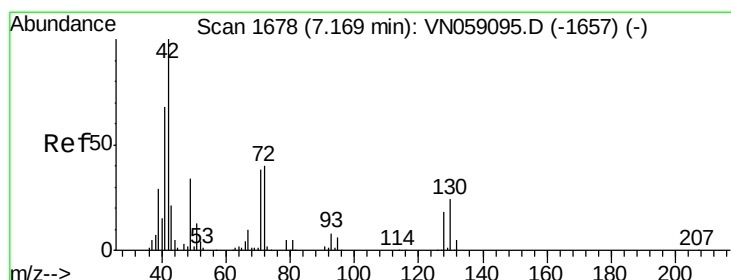
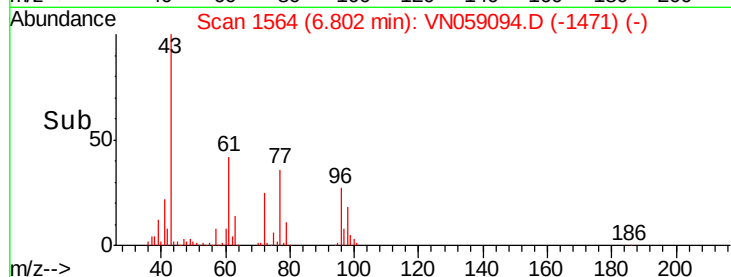
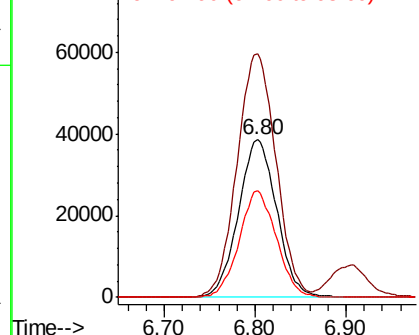


Abundance

Ion 95.90 (95.60 to 96.60): VN0

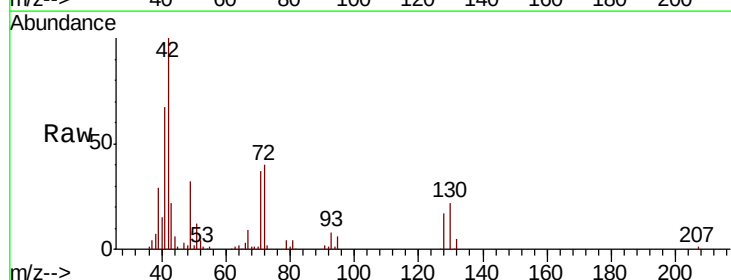
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 18.158 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	3.8
130	68.9	55.6	83.4

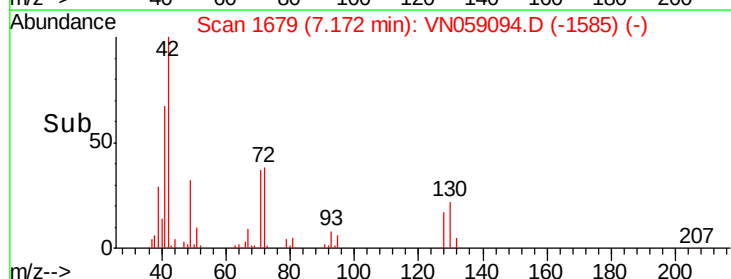
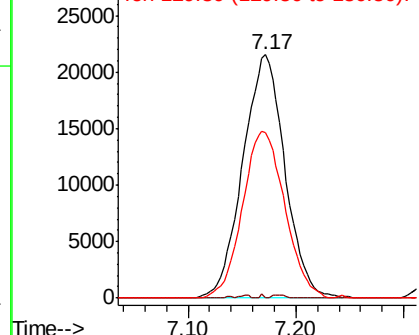


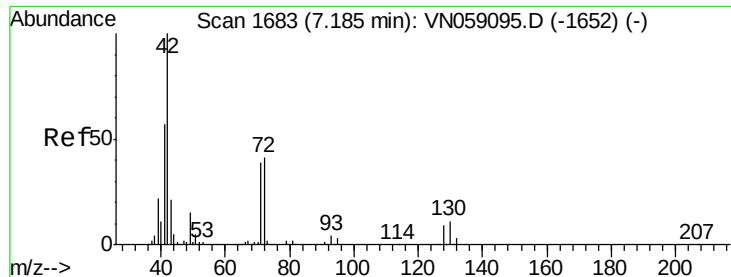
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

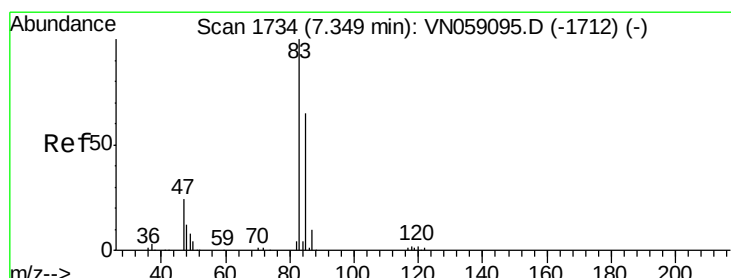
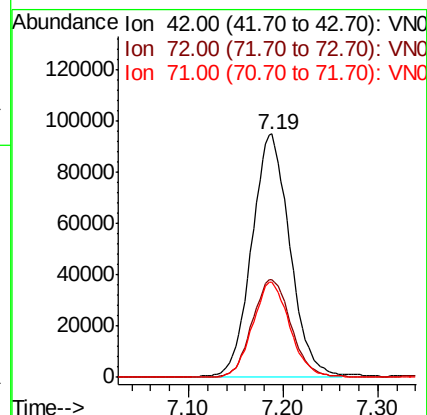
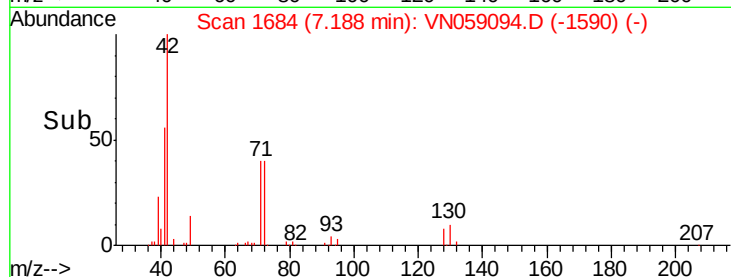
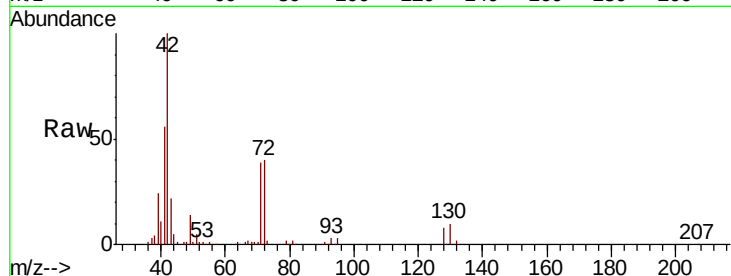




#29
Tetrahydrofuran
Concen: 95.971 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

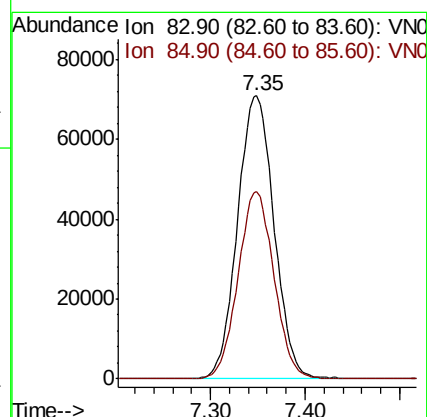
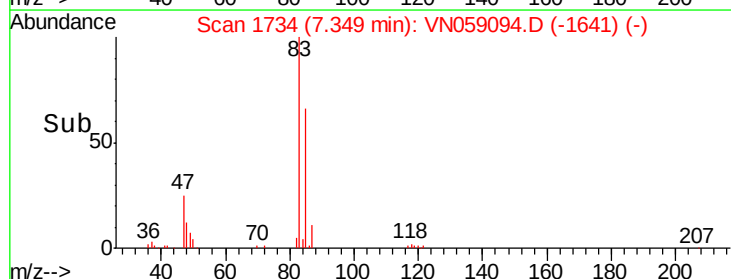
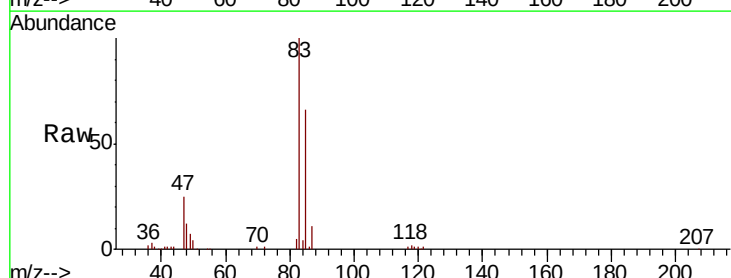
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

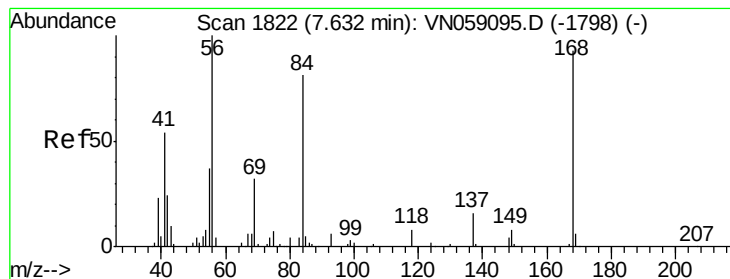
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.1	49.7
71	38.4	30.9	46.3



#30
Chloroform
Concen: 18.983 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





#31

Cyclohexane

Concen: 18.598 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

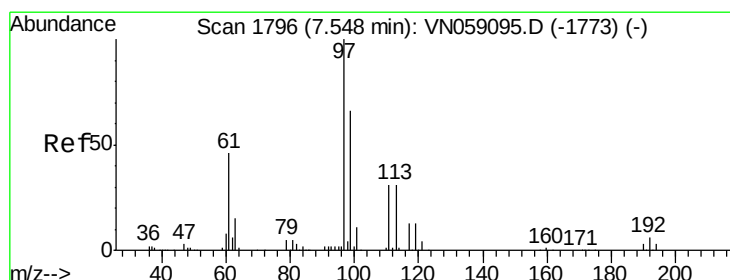
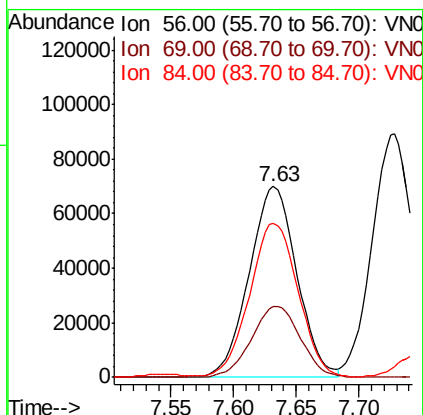
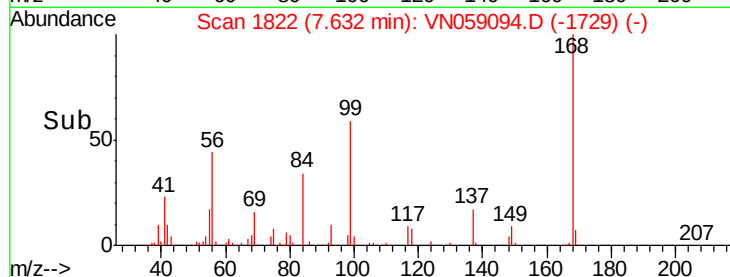
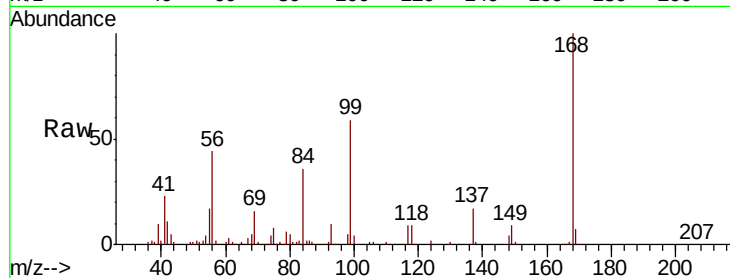
Tot Ion: 56 Resp: 185140

Ion Ratio Lower Upper

56 100

69 36.8 25.8 38.8

84 79.9 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 19.215 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

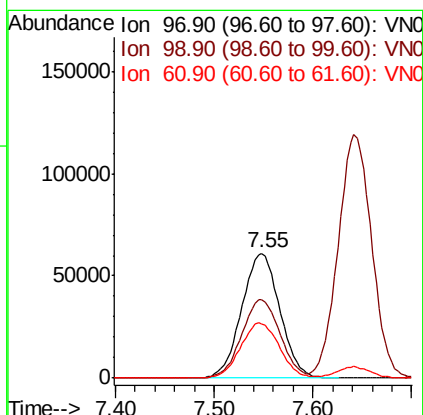
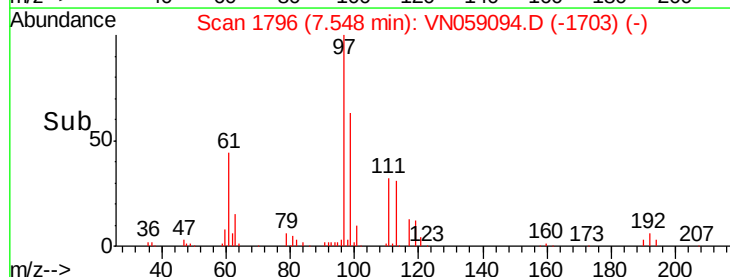
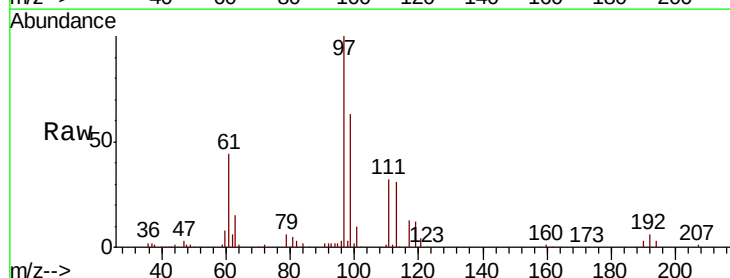
Tgt Ion: 97 Resp: 162827

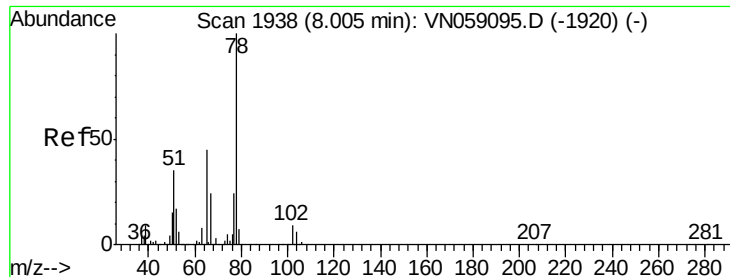
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

61 45.2 35.8 53.8

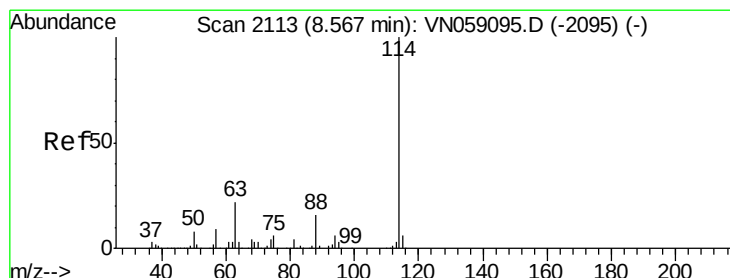
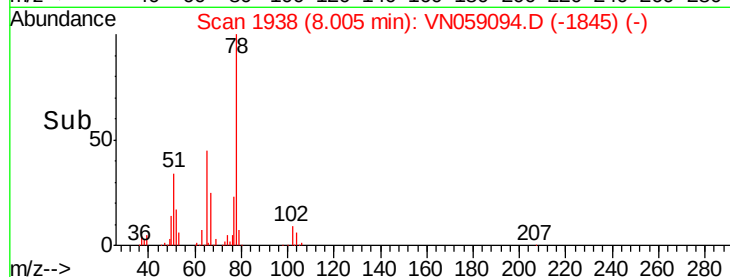
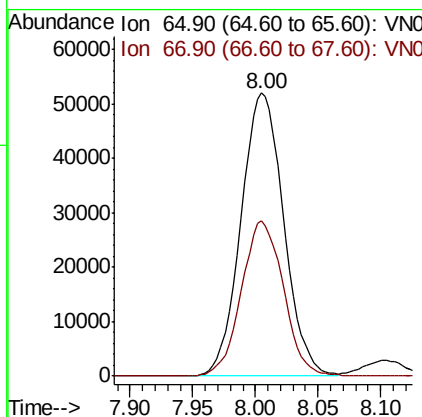
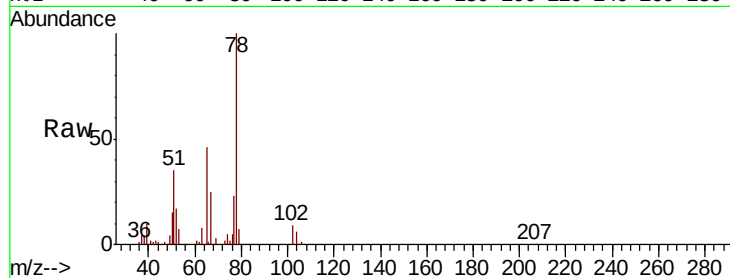




#33
 1,2-Dichloroethane-d4
 Concen: 19.359 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

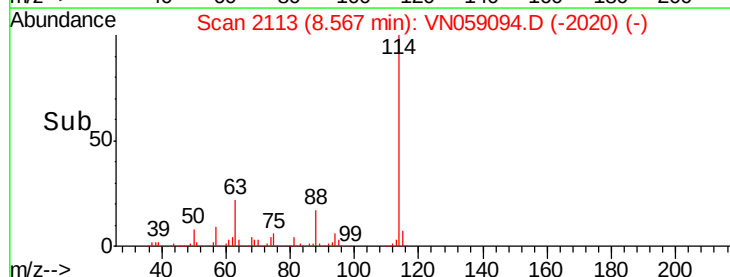
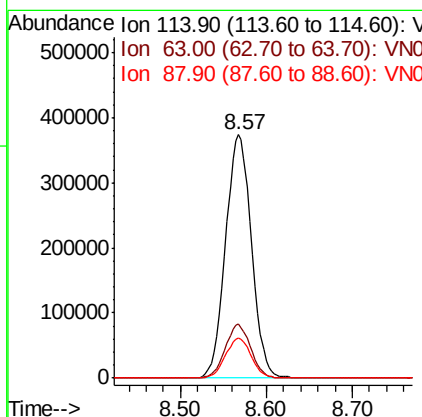
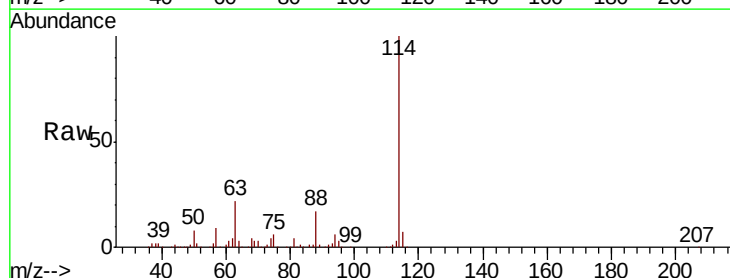
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

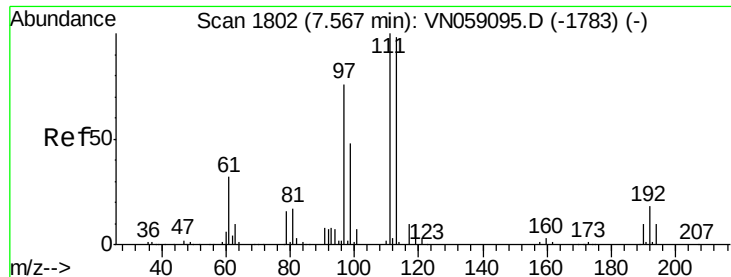
Tot Ion	65	Resp	123203
Ion Ratio	Lower	Upper	
65	100		
67	53.9	0.0	107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	114	Resp	780209
Ion Ratio	Lower	Upper	
114	100		
63	22.0	0.0	43.4
88	16.6	0.0	32.2

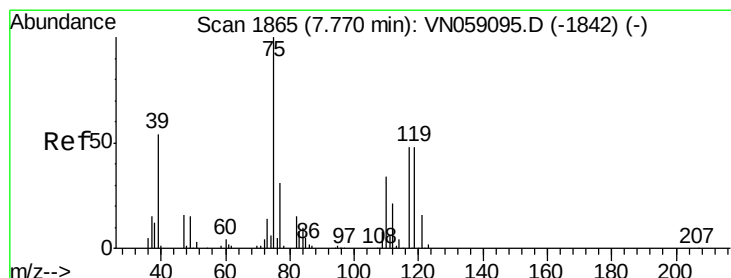
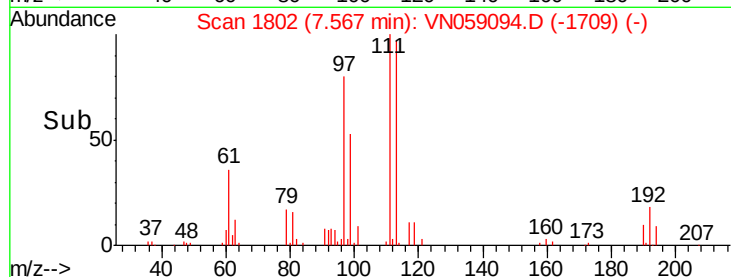
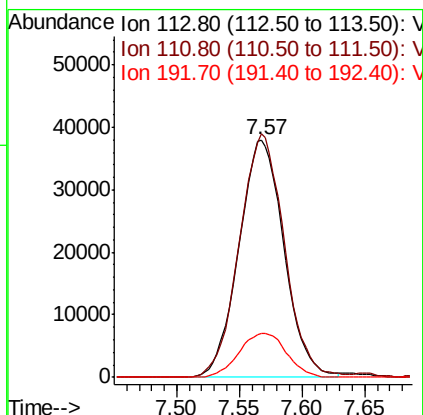
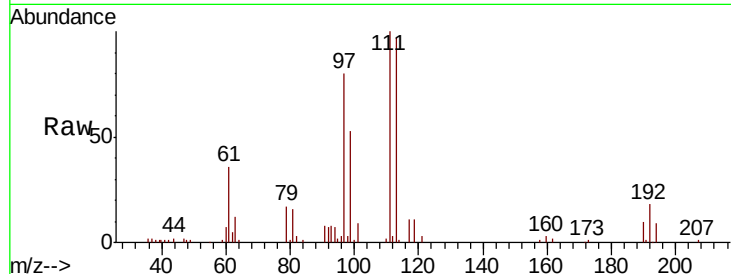




#35
Dibromofluoromethane
Concen: 19.201 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

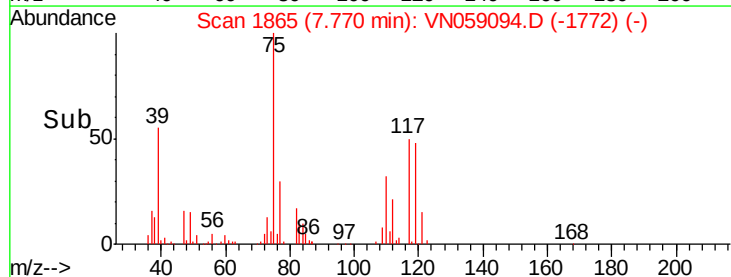
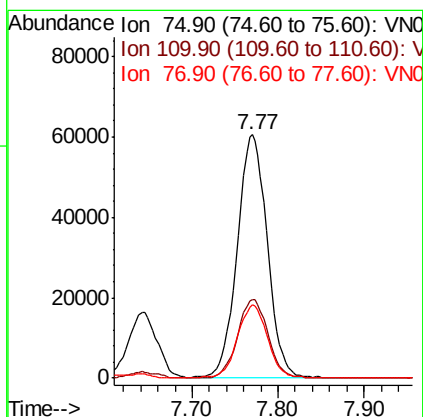
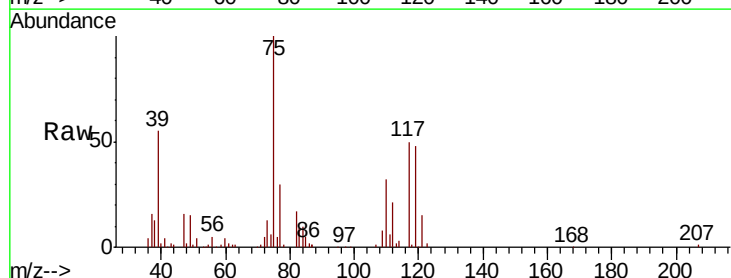
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

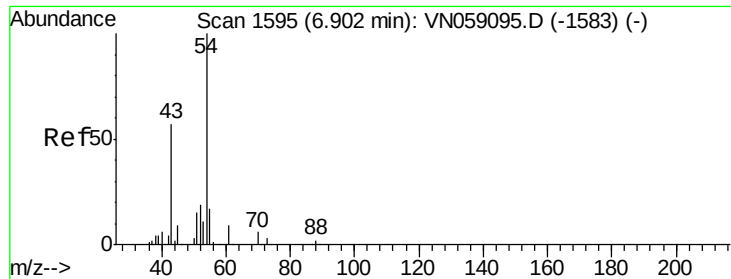
Tot Ion:113 Resp: 94693
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 19.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 19.073 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 75 Resp: 147167
Ion Ratio Lower Upper
75 100
110 32.6 17.1 51.2
77 30.2 24.8 37.2

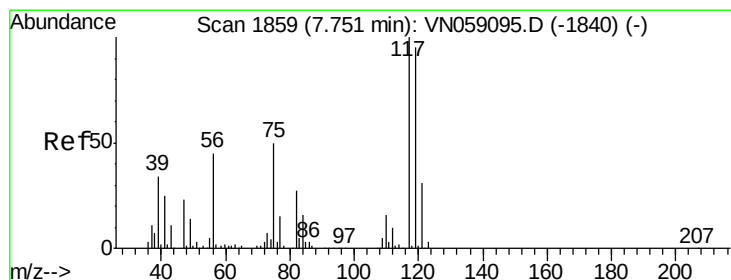
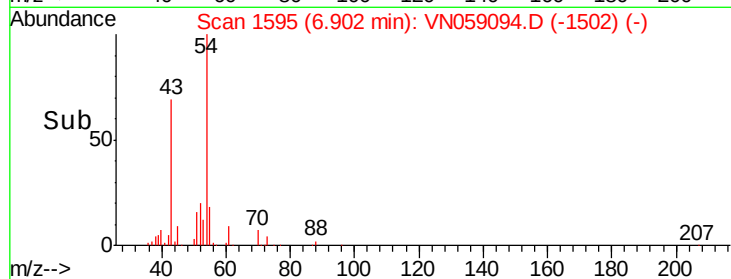
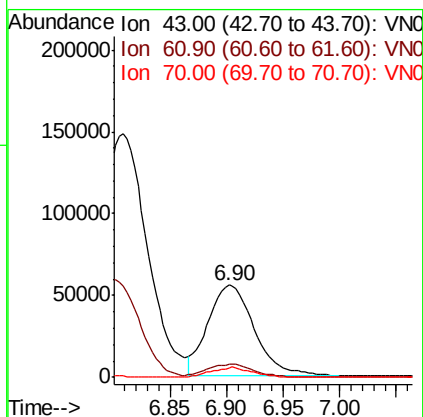
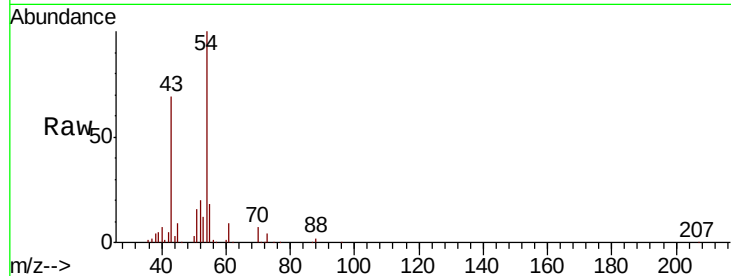




#37
Ethyl Acetate
Concen: 18.446 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

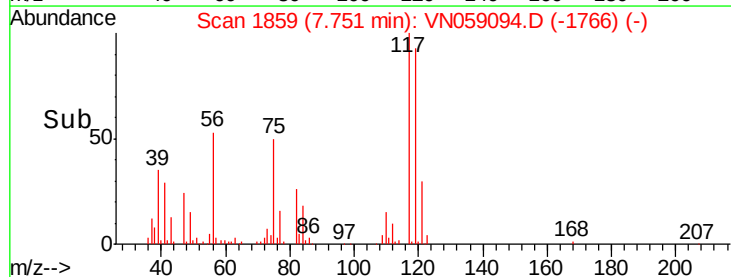
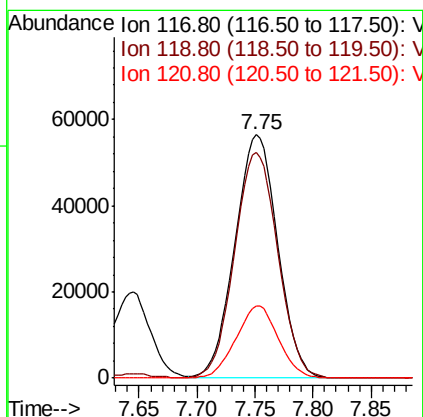
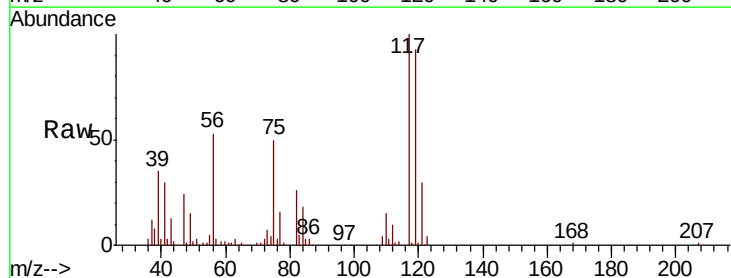
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

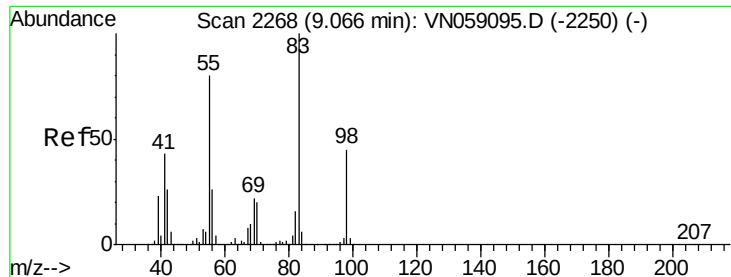
Tot Ion	43	Resp	158357
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	10.2	7.8	11.8



#38
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	117	Resp	145146
Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.6	113.4
121	29.6	24.6	36.8

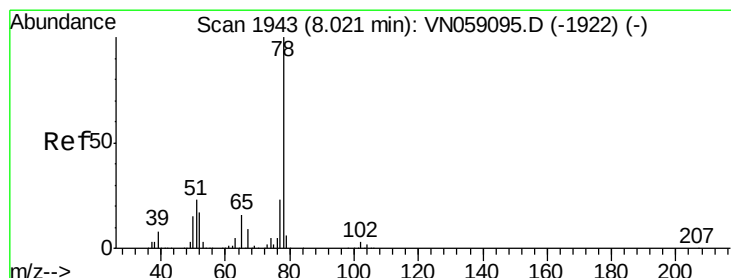
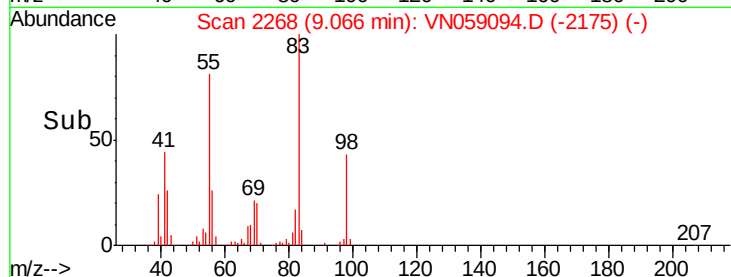
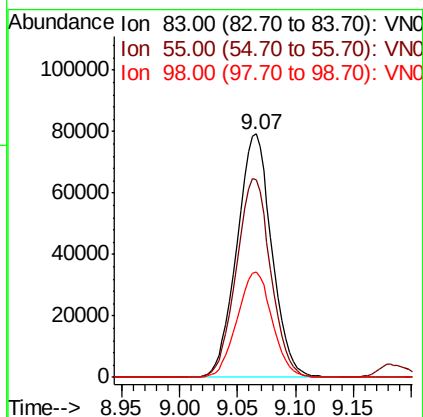
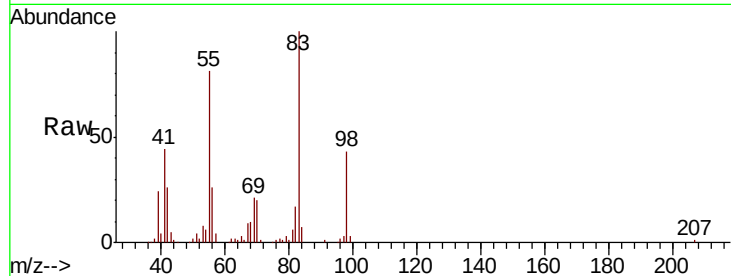




#39
Methylvlcyclohexane
Concen: 18.601 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

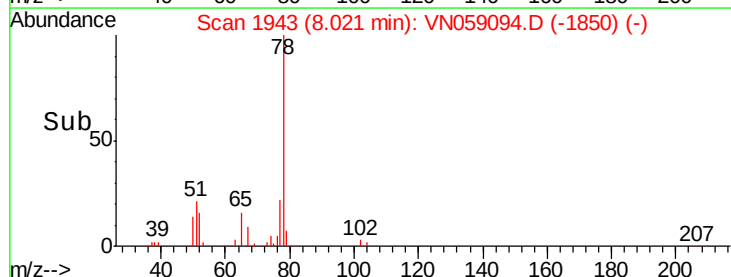
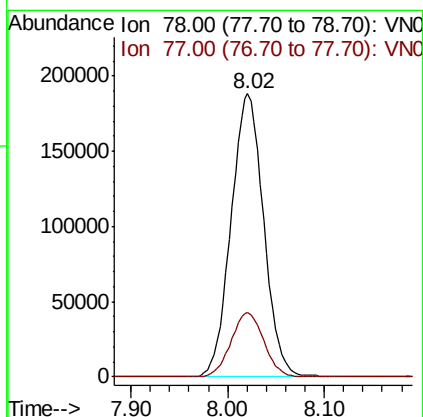
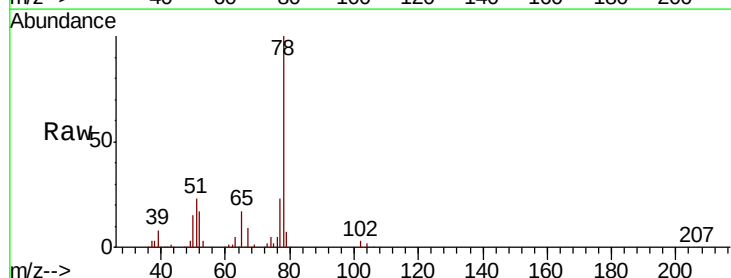
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

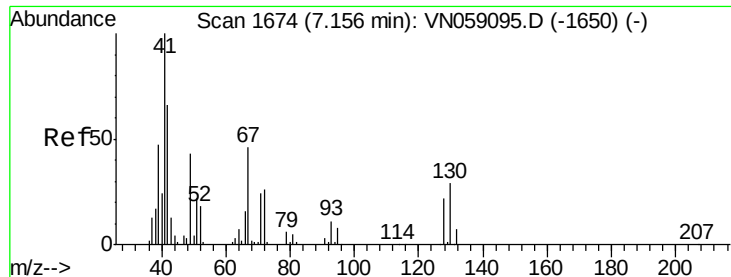
Tot Ion: 83 Resp: 165412
Ion Ratio Lower Upper
83 100
55 81.1 63.9 95.9
98 43.0 35.6 53.4



#40
Benzene
Concen: 19.167 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 78 Resp: 440043
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2





#41

Methacrylonitrile

Concen: 19.907 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 74284

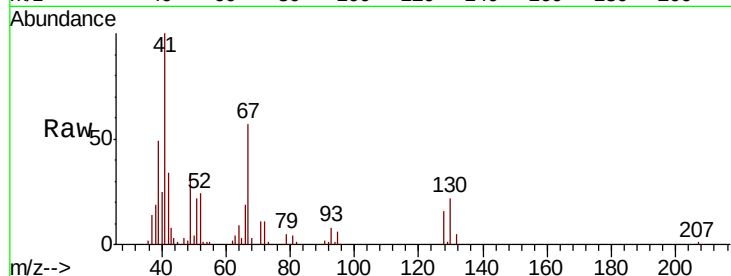
Ion Ratio Lower Upper

41 100

39 50.4 0.0 0.0#

67 78.9 0.0 0.0#

52 32.6 0.0 0.0#



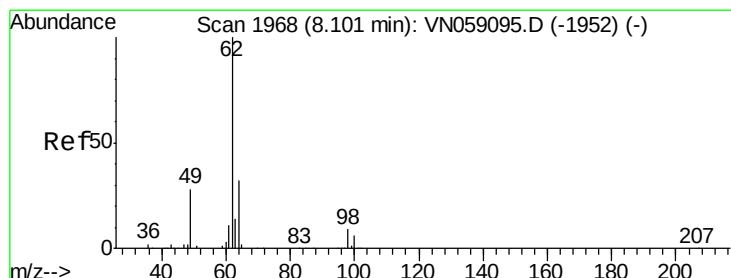
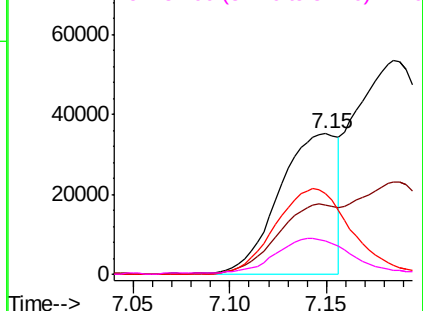
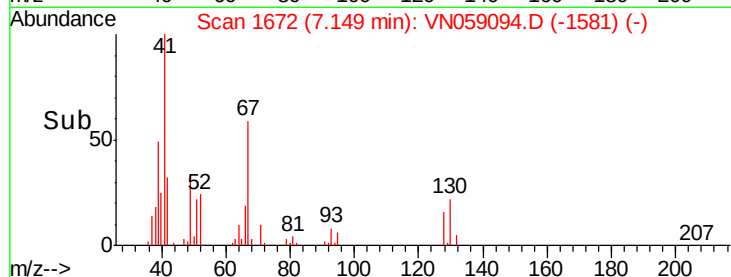
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.891 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059094.D

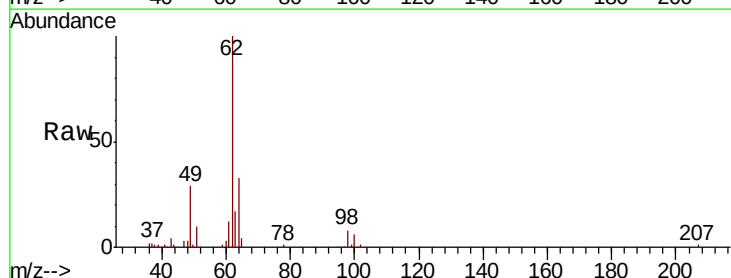
Acq: 6 Nov 2019 9:39

Tgt Ion: 62 Resp: 150714

Ion Ratio Lower Upper

62 100

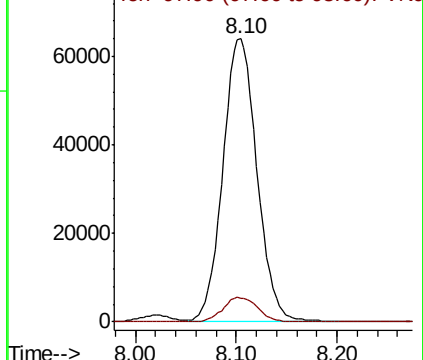
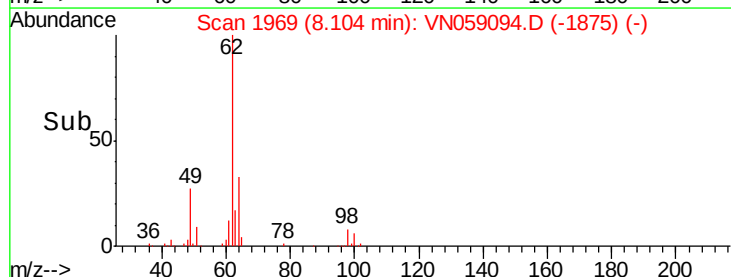
98 8.8 0.0 17.8

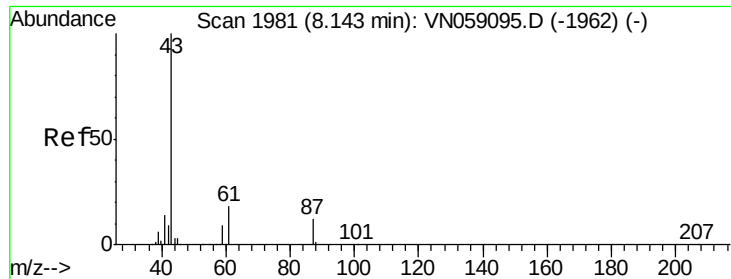


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.829 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

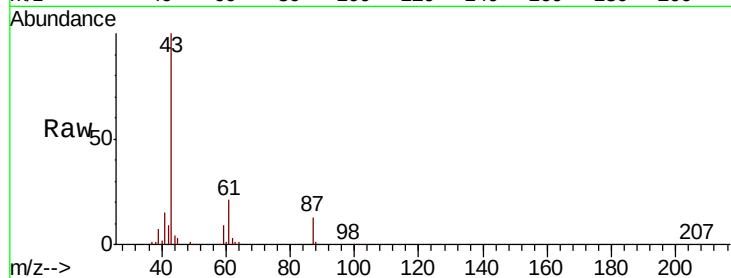
Tot Ion: 43 Resp: 252227

Ion Ratio Lower Upper

43 100

61 26.3 21.0 31.6

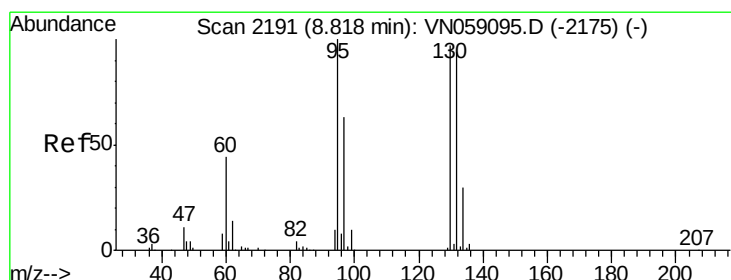
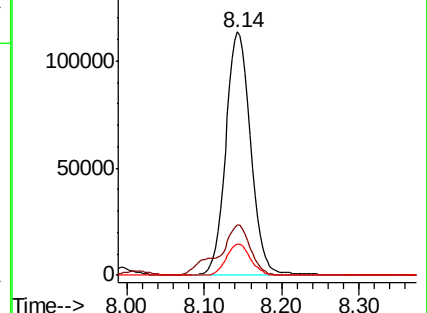
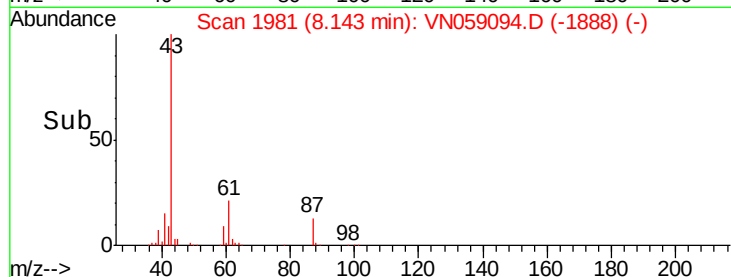
87 12.4 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059094.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059094.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059094.D (-1962) (-)



#44

Trichloroethene

Concen: 18.746 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059094.D

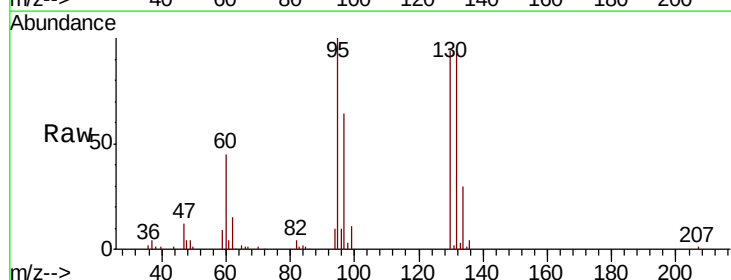
Acq: 6 Nov 2019 9:39

Tgt Ion: 130 Resp: 106011

Ion Ratio Lower Upper

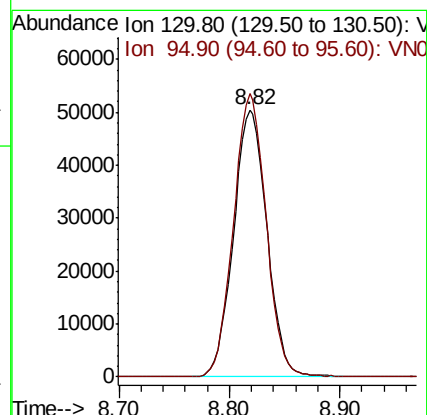
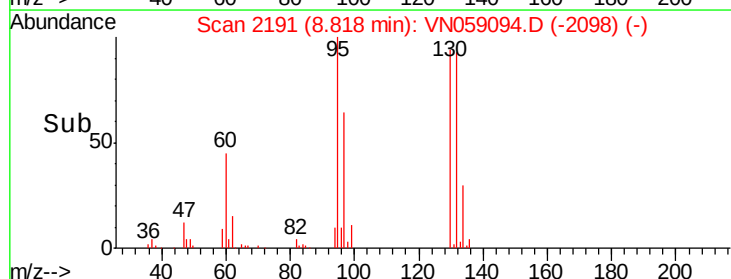
130 100

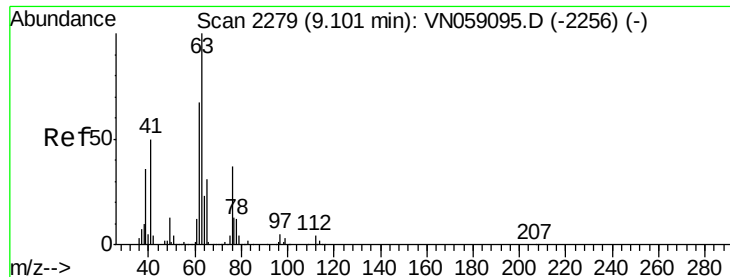
95 106.0 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059094.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059094.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.012 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

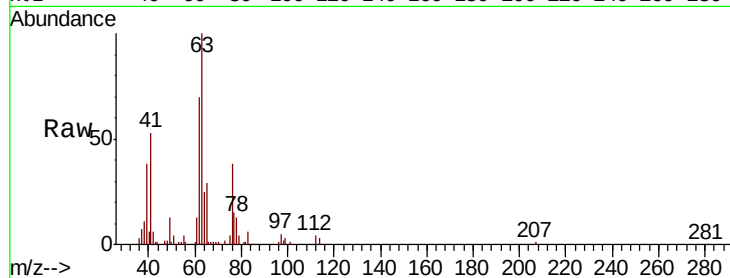
VSTDIC020

Tot Ion: 63 Resp: 118161

Ion Ratio Lower Upper

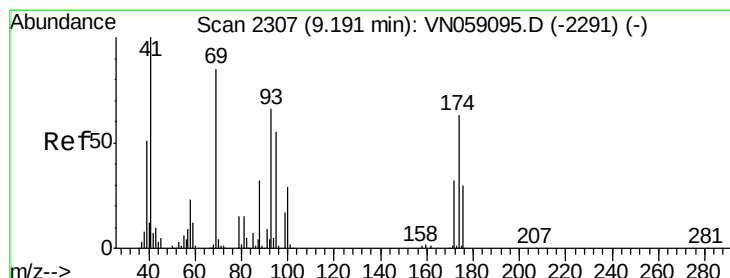
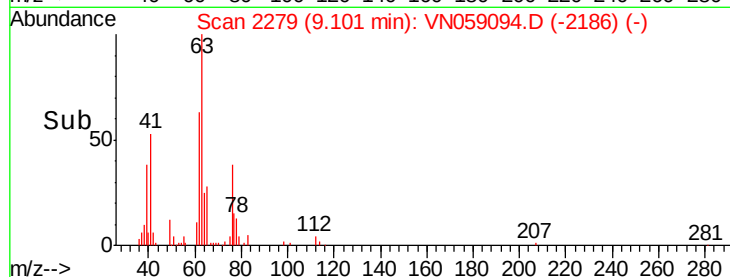
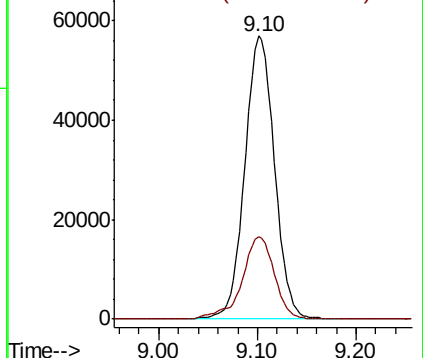
63 100

65 29.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.971 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

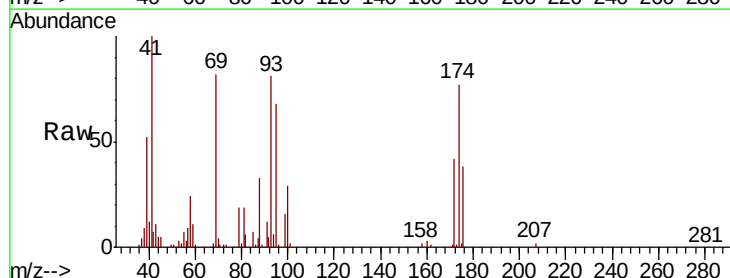
Tgt Ion: 93 Resp: 72781

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

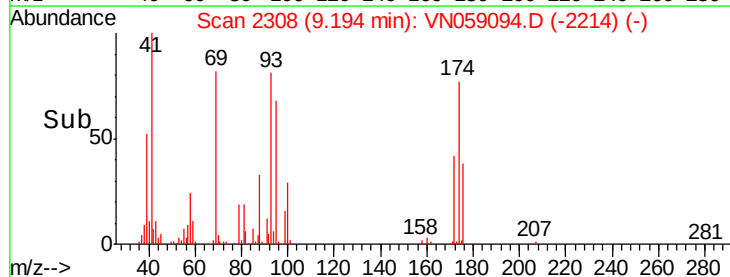
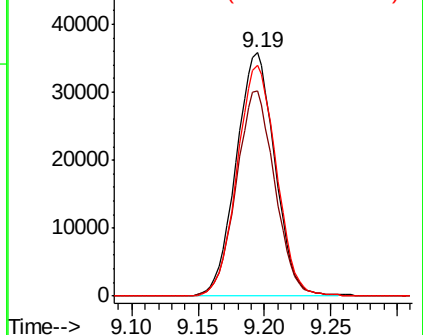
174 95.8 78.2 117.2

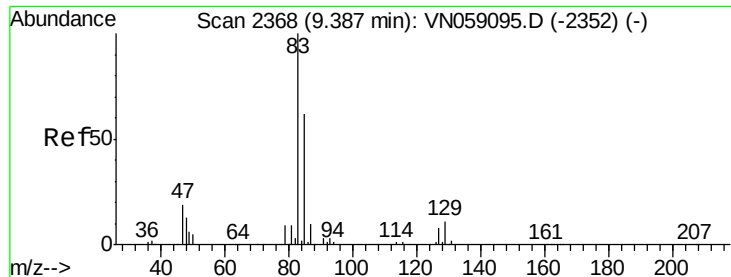


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

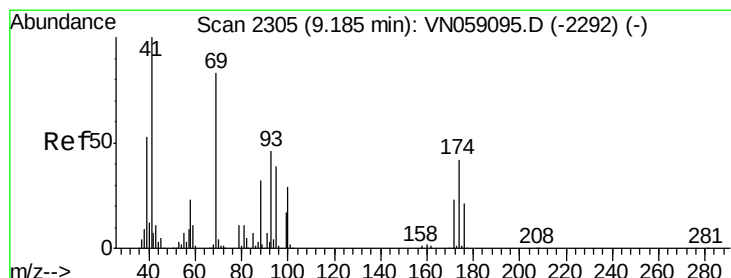
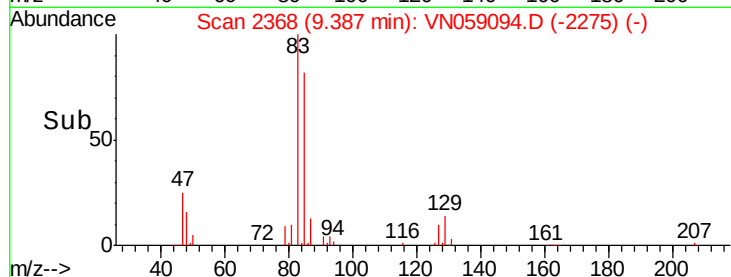
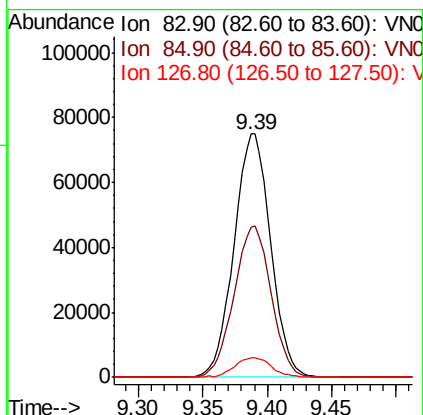
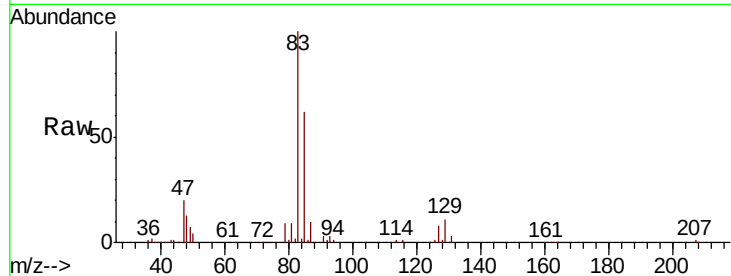




#47
Bromodichloromethane
Concen: 19.028 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

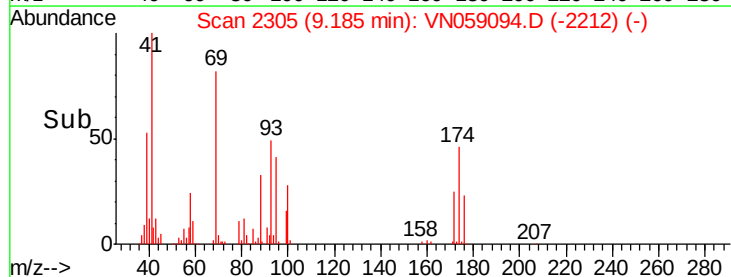
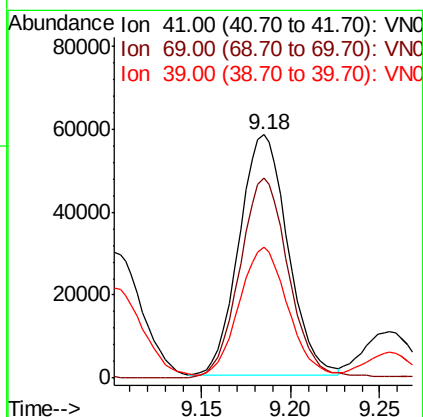
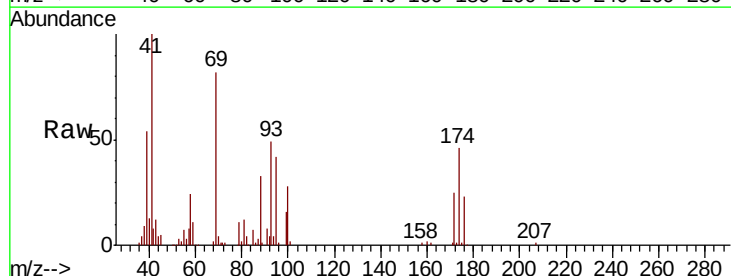
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

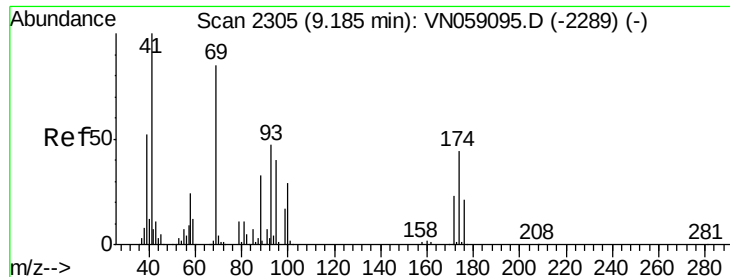
Tot Ion: 83 Resp: 148115
Ion Ratio Lower Upper
83 100
85 61.8 49.7 74.5
127 7.9 6.4 9.6



#48
Methyl methacrylate
Concen: 18.095 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 41 Resp: 110584
Ion Ratio Lower Upper
41 100
69 84.1 67.3 100.9
39 54.6 43.3 64.9

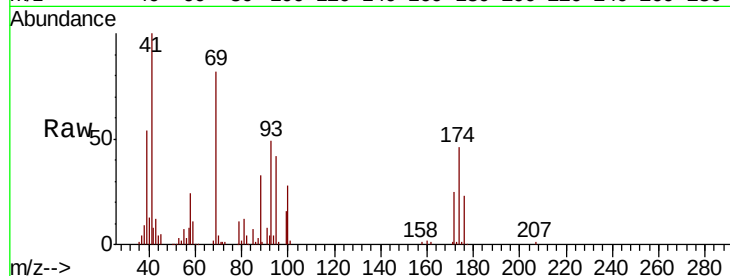




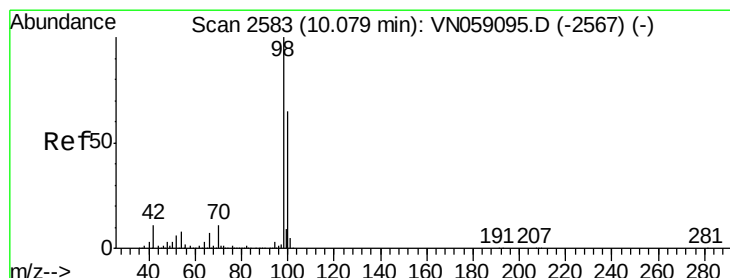
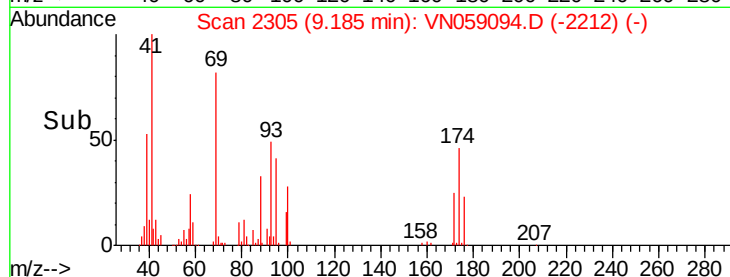
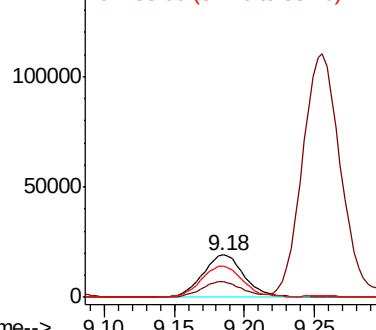
#49
1,4-Dioxane
Concen: 397.956 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 88 Resp: 39411
Ion Ratio Lower Upper
88 100
43 36.5 26.3 39.5
58 75.0 60.6 90.8

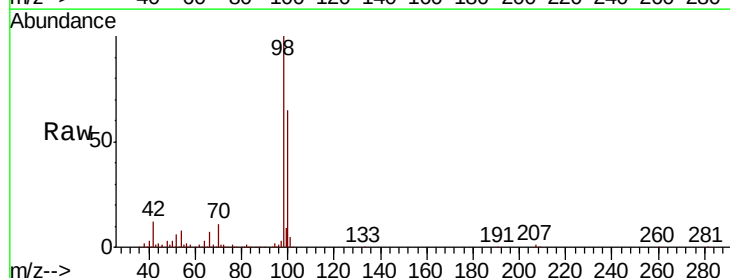


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

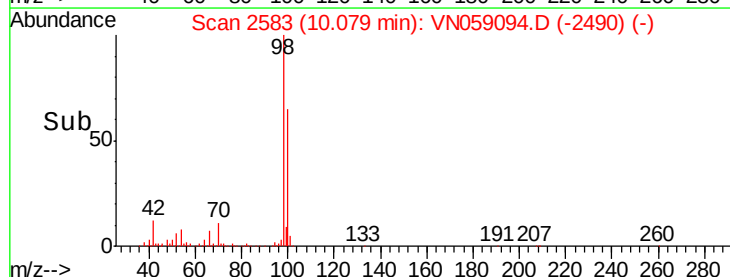
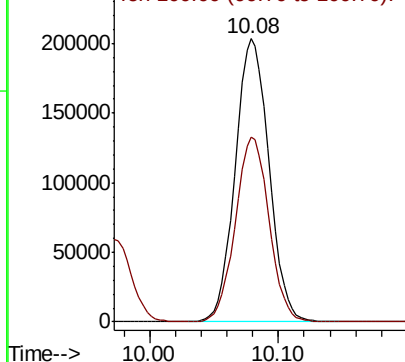


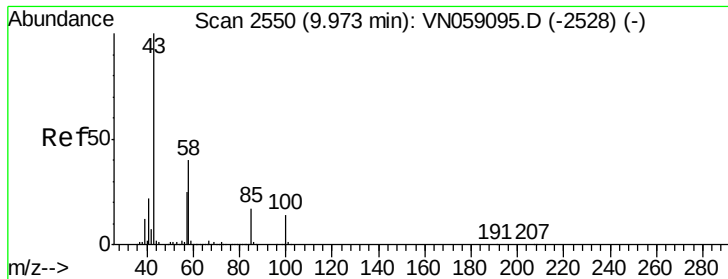
#50
Toluene-d8
Concen: 19.313 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 98 Resp: 369906
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.540 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

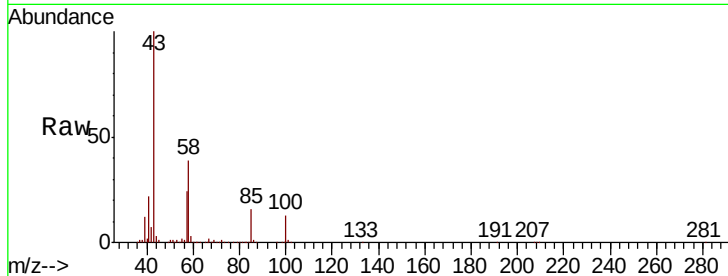
VSTDIC020

Tot Ion: 43 Resp: 792447

Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

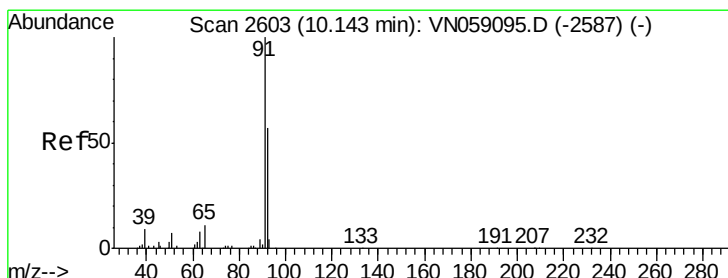
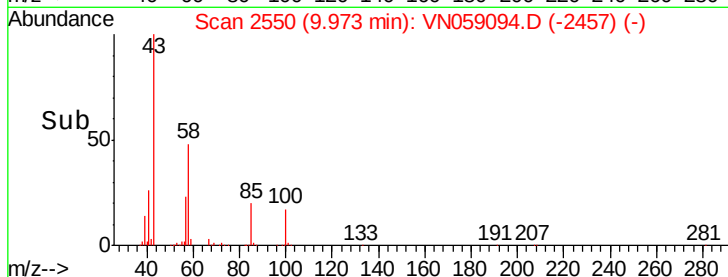
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.488 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059094.D

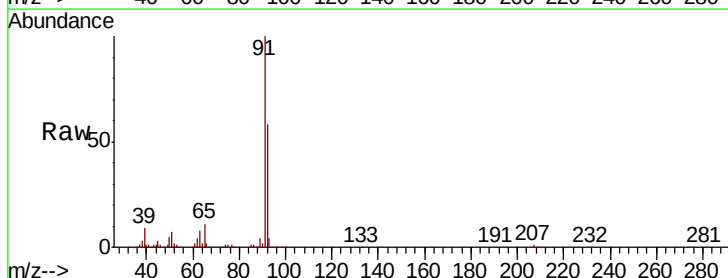
Acq: 6 Nov 2019 9:39

Tgt Ion: 92 Resp: 261711

Ion Ratio Lower Upper

92 100

91 173.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.14

250000

200000

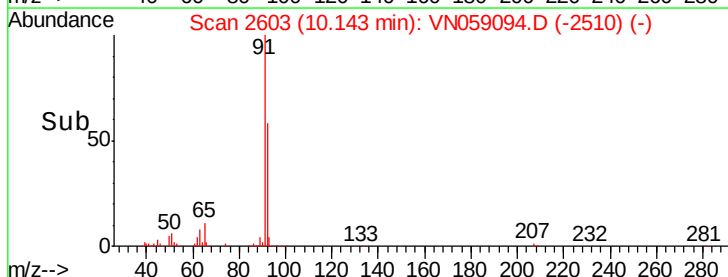
150000

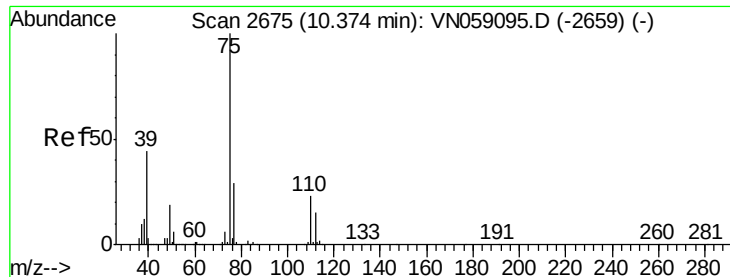
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.456 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

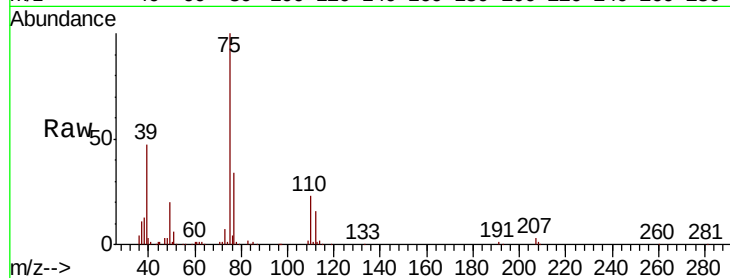
VSTDIC020

Tot Ion: 75 Resp: 165662

Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

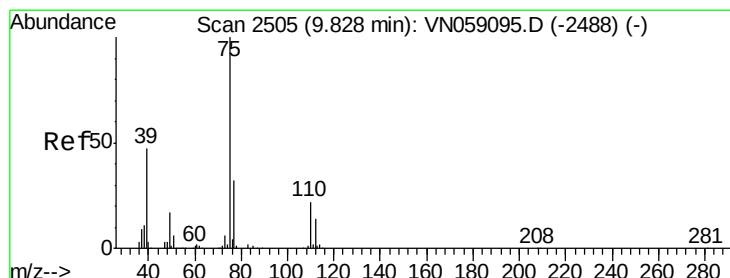
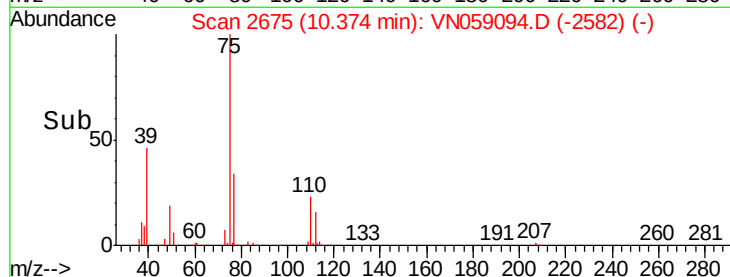
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.418 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

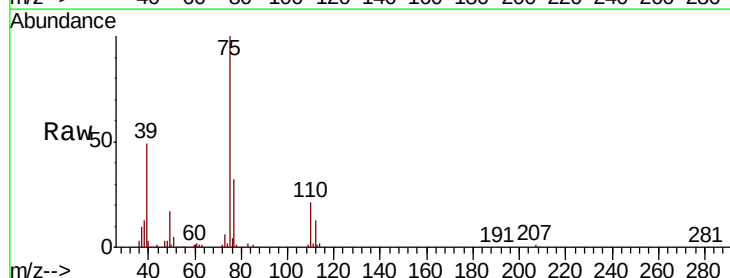
Tgt Ion: 75 Resp: 183667

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 48.5 37.3 55.9



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

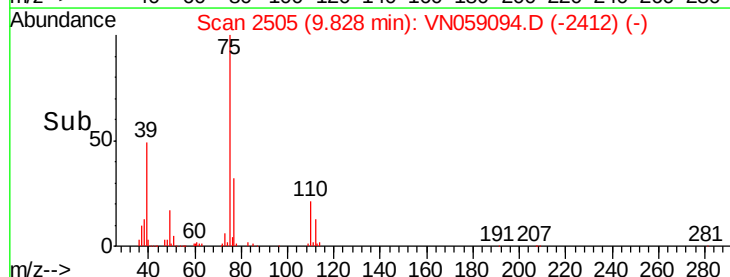
9.83

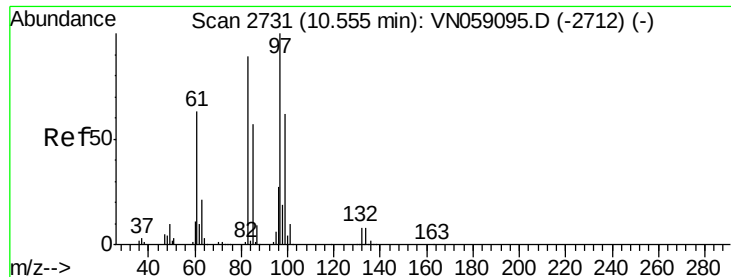
100000

50000

0

Time-->

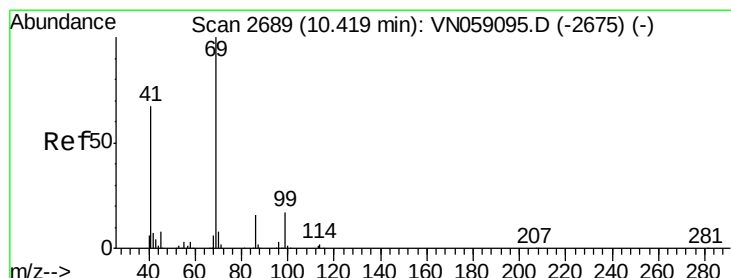
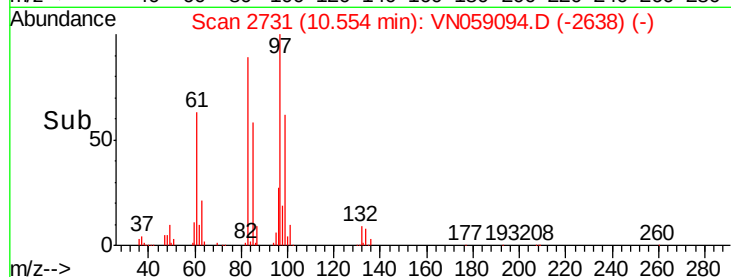
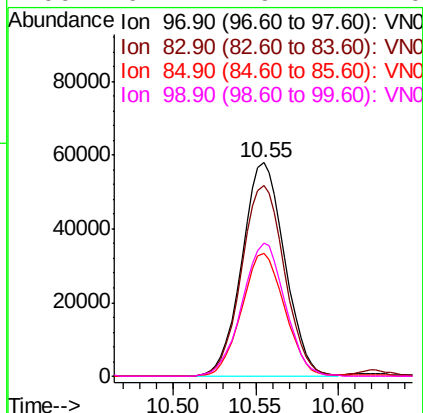
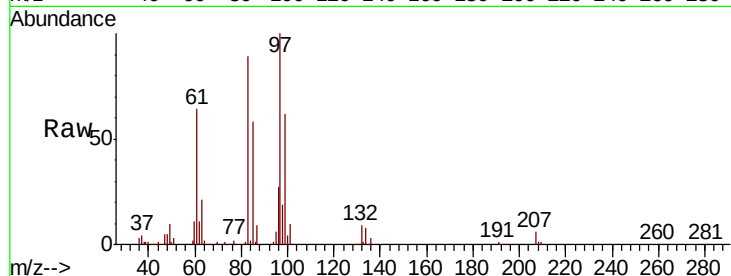




#55
 1,1,2-Trichloroethane
 Concen: 18.960 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

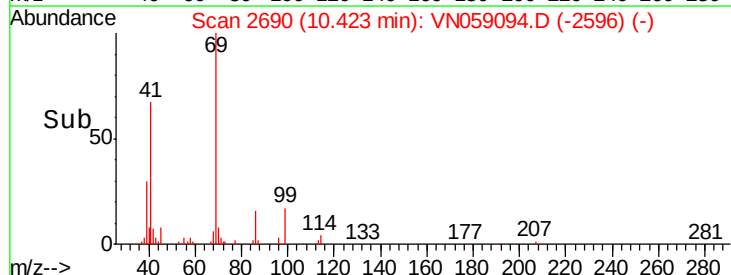
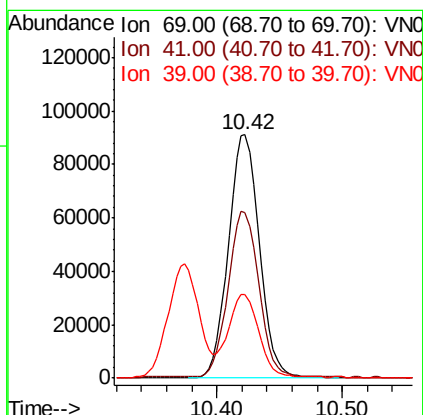
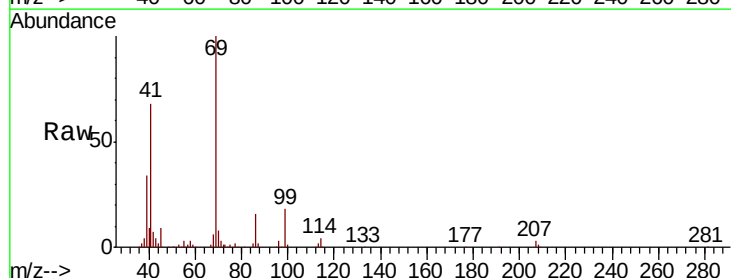
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

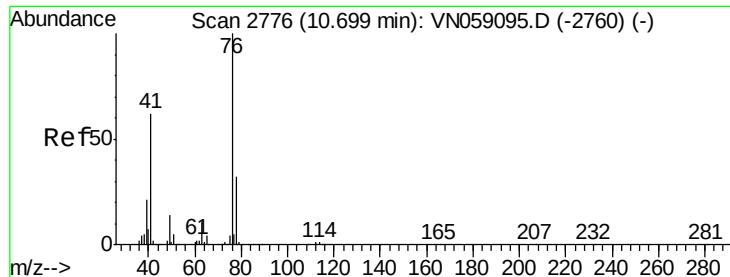
Tot Ion:	97	Resp:	104099
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.0	106.4
85	57.6	45.8	68.8
99	62.2	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 18.997 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion:	69	Resp:	156817
Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.6	80.4
39	32.7	26.2	39.4





#57

1,3-Dichloropropane

Concen: 19.099 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

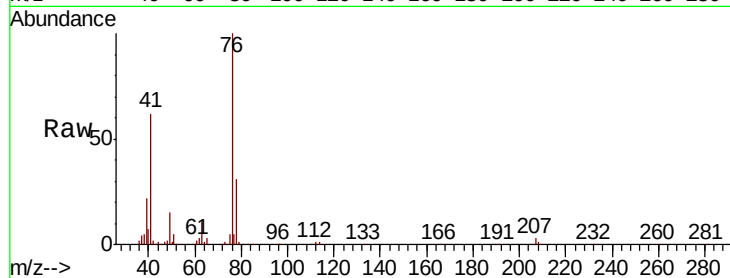
VSTDIC020

Tot Ion: 76 Resp: 182107

Ion Ratio Lower Upper

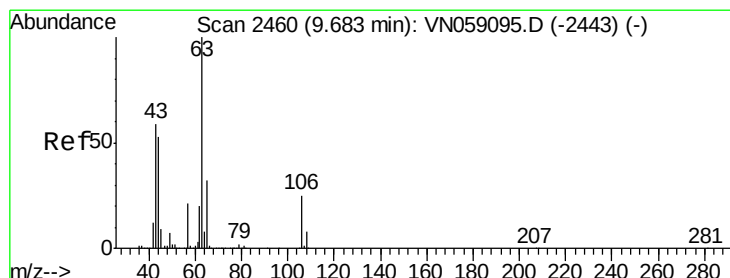
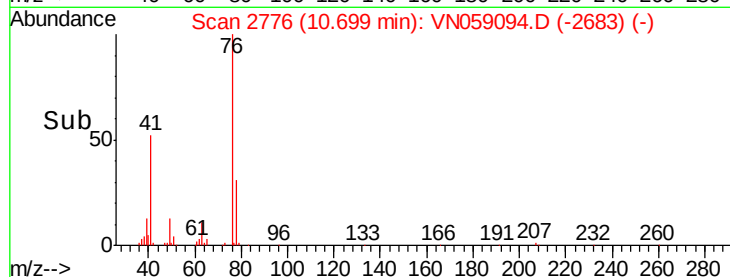
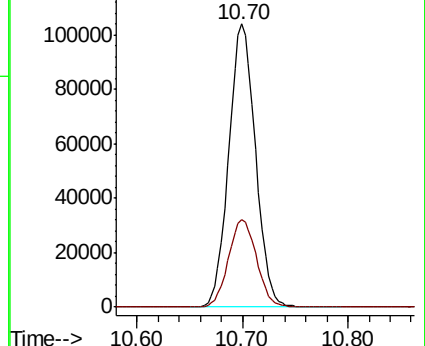
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.784 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059094.D

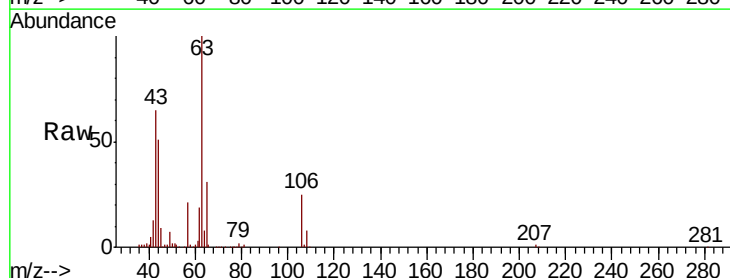
Acq: 6 Nov 2019 9:39

Tgt Ion: 63 Resp: 313810

Ion Ratio Lower Upper

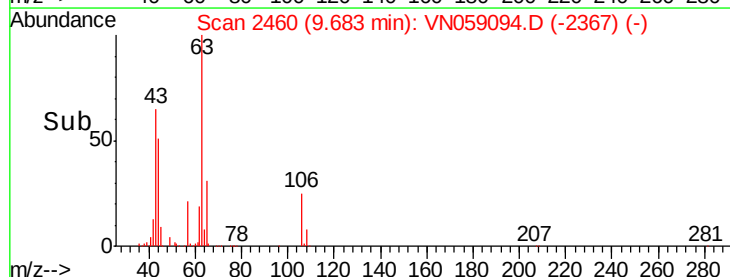
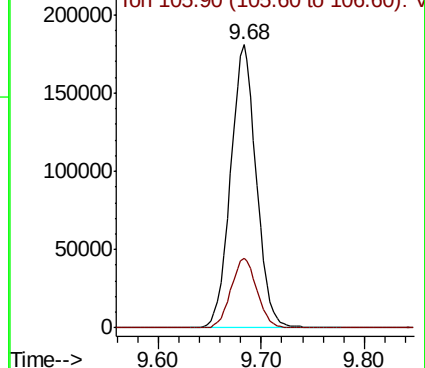
63 100

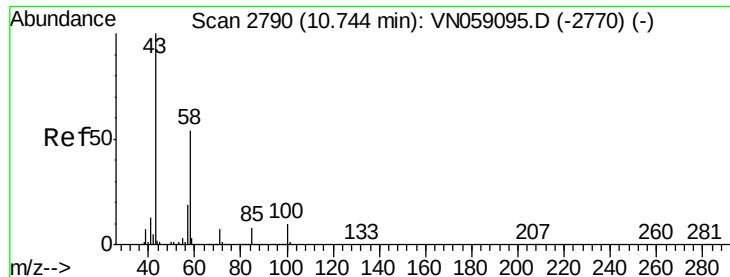
106 24.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

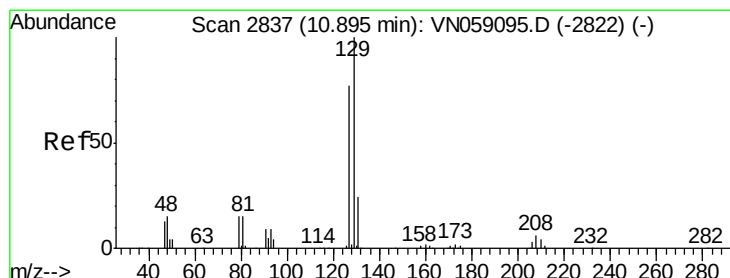
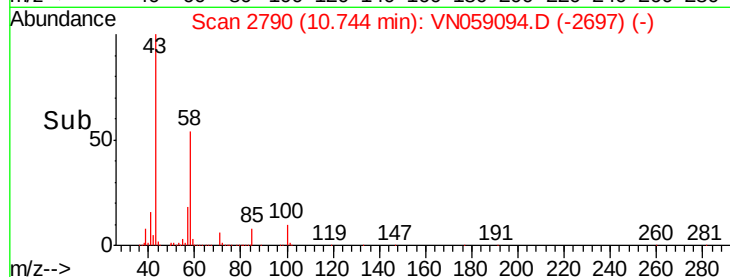
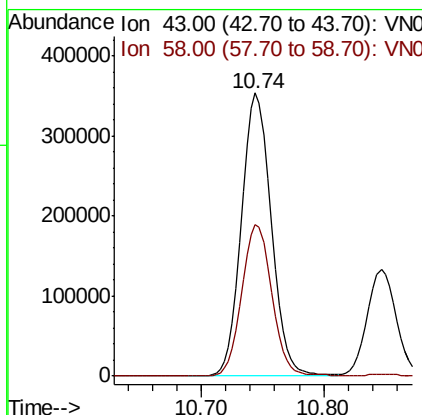
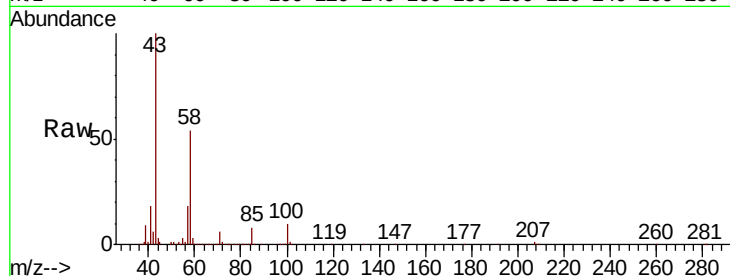




#59
2-Hexanone
Concen: 100.536 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

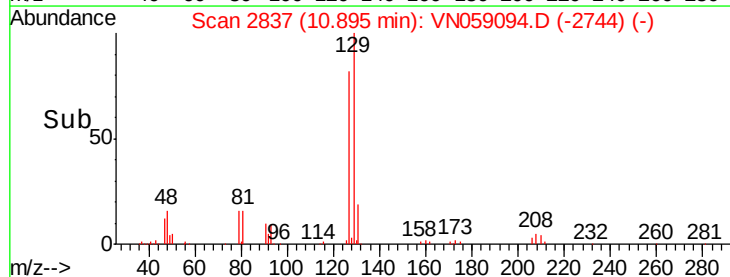
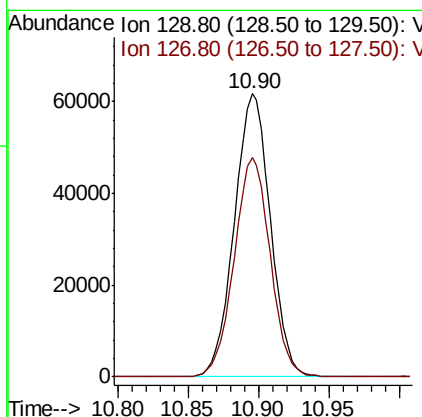
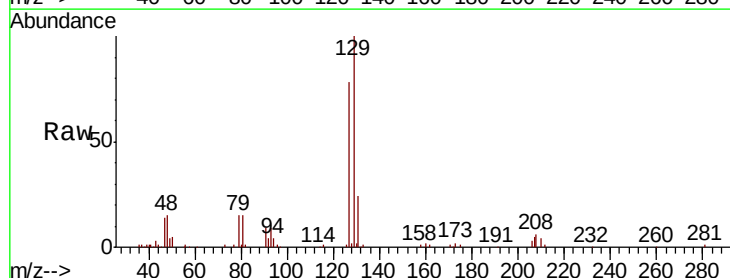
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

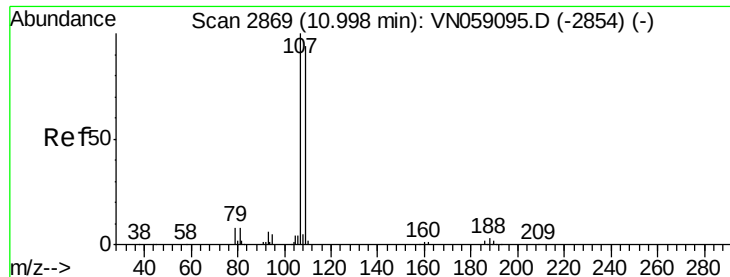
Tot Ion: 43 Resp: 596051
Ion Ratio Lower Upper
43 100
58 53.9 27.3 81.8



#60
Dibromochloromethane
Concen: 18.760 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 129 Resp: 110608
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

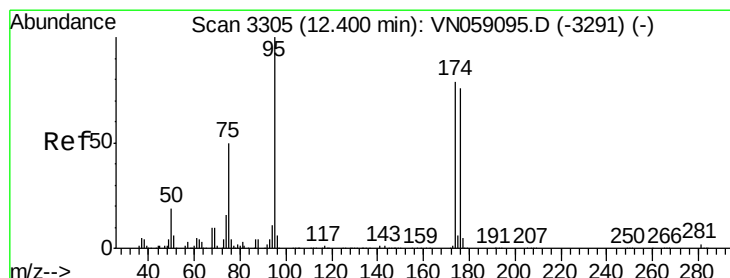
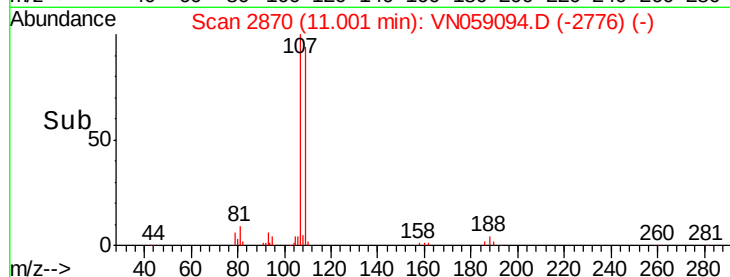
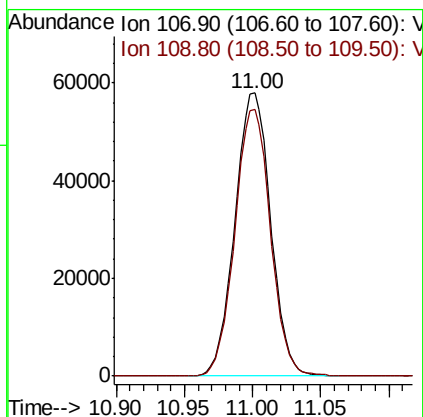
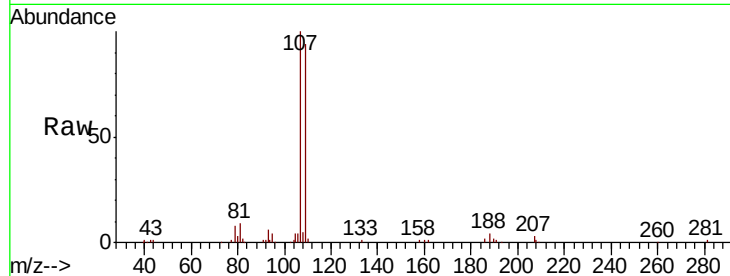




#61
 1,2-Dibromoethane
 Concen: 19.032 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

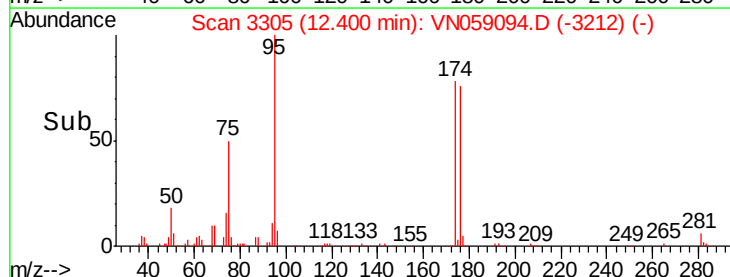
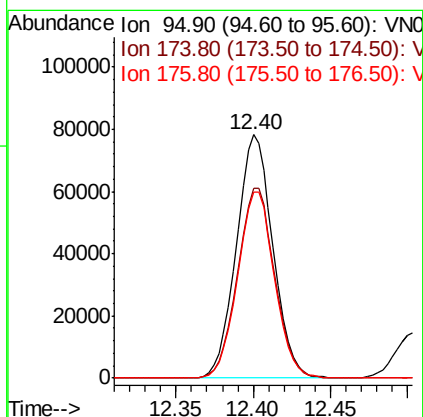
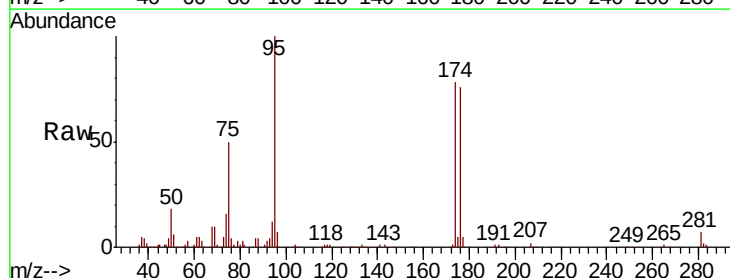
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

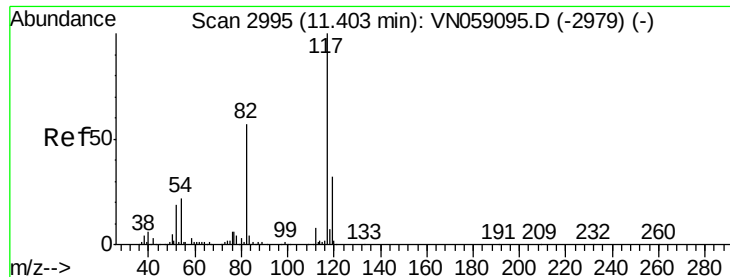
Tot Ion:107 Resp: 105512
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 18.620 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion: 95 Resp: 127759
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 158.2
 176 77.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

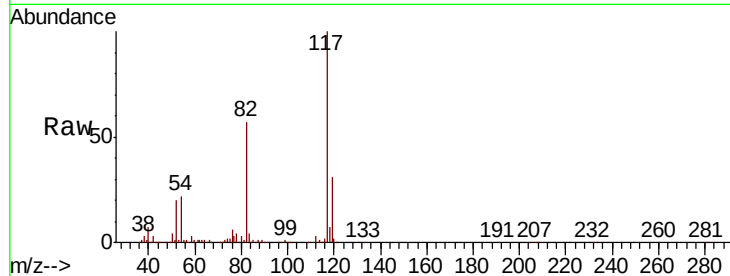
Tot Ion:117 Resp: 703018

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.8

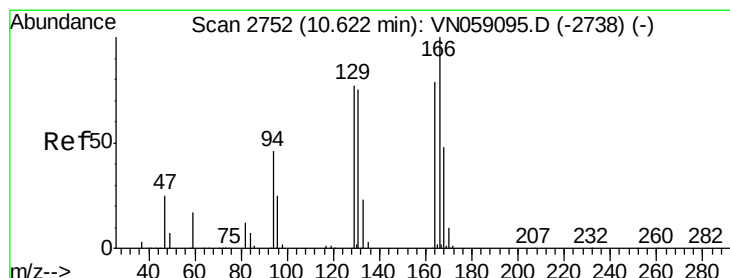
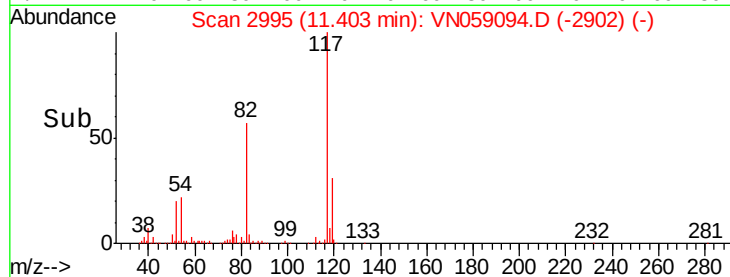
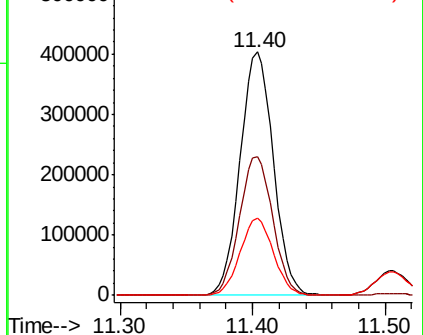
119 31.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.480 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion:164 Resp: 95604

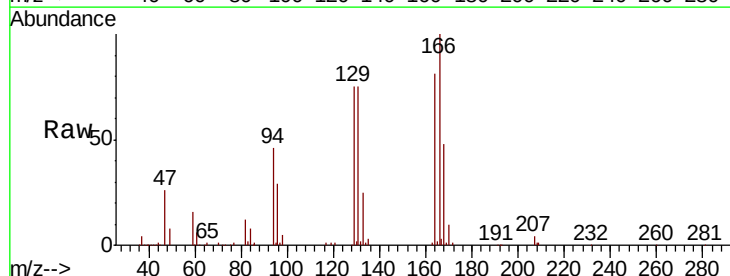
Ion Ratio Lower Upper

164 100

166 123.6 101.5 152.3

129 93.0 78.3 117.5

131 92.7 75.9 113.9

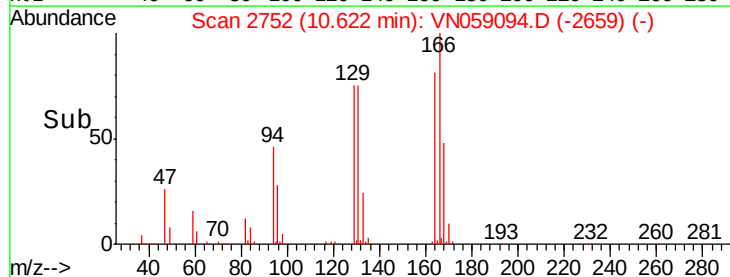
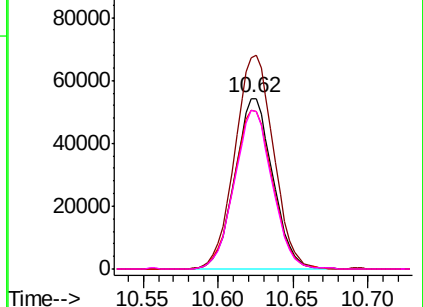


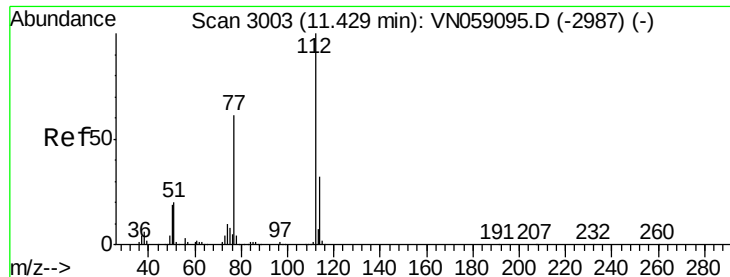
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

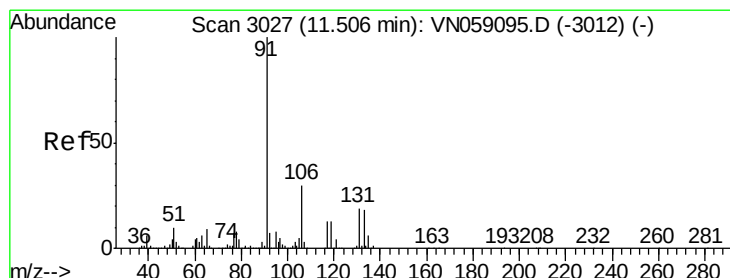
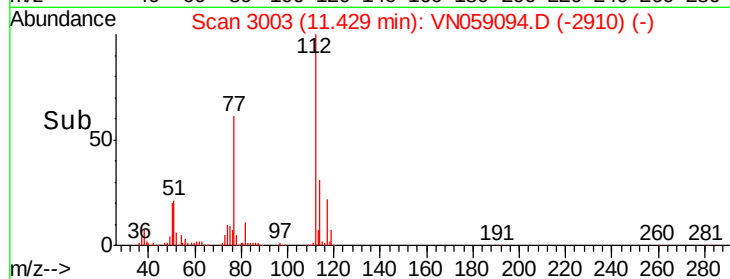
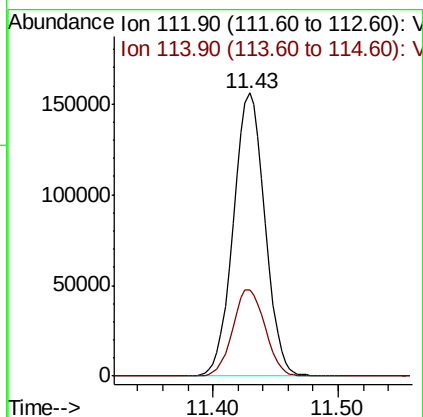
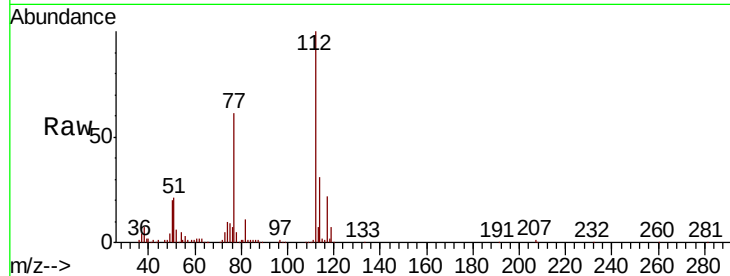




#65
Chlorobenzene
Concen: 18.979 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

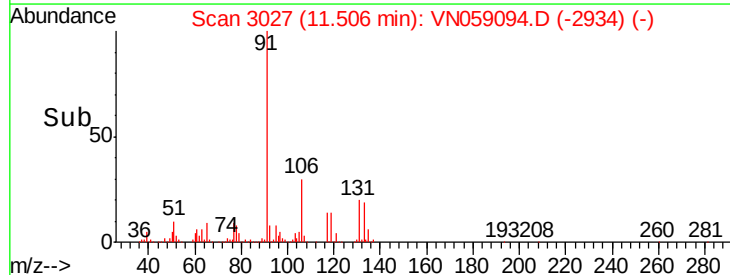
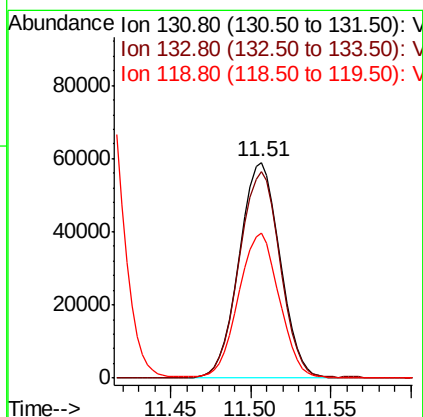
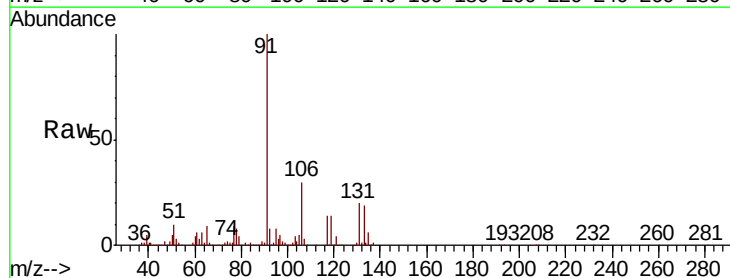
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

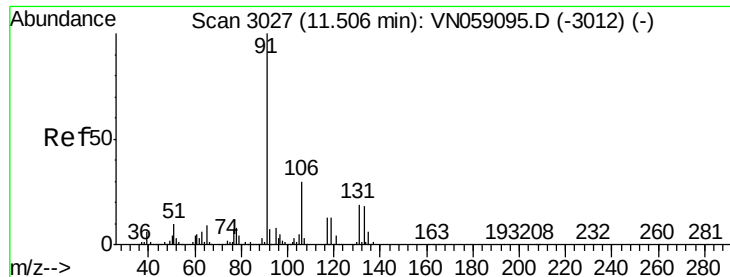
Tot Ion:112 Resp: 272870
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:131 Resp: 102582
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.3
119 67.2 33.2 99.6





#67

Ethyl Benzene

Concen: 19.714 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

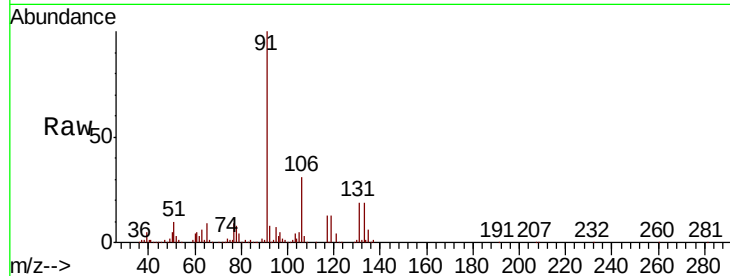
VSTDIC020

Tot Ion: 91 Resp: 490481

Ion Ratio Lower Upper

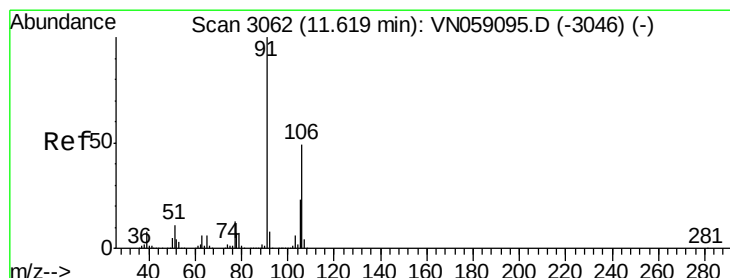
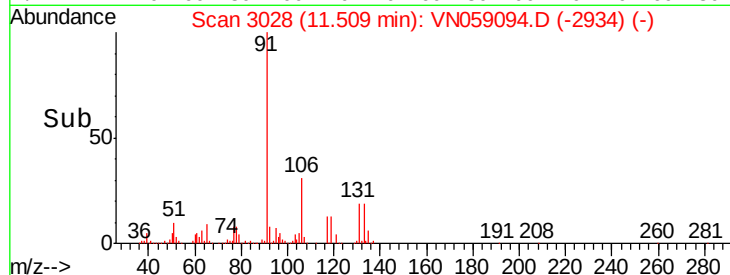
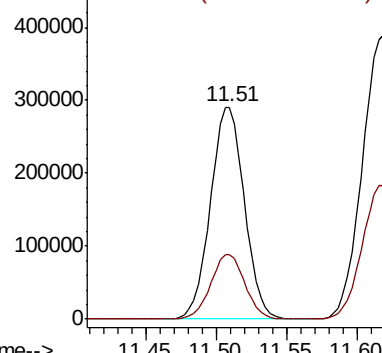
91 100

106 30.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.932 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059094.D

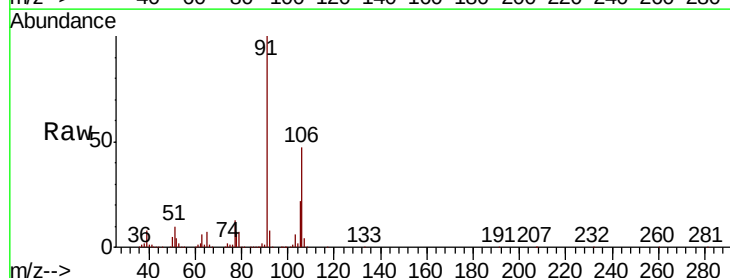
Acq: 6 Nov 2019 9:39

Tgt Ion: 106 Resp: 362216

Ion Ratio Lower Upper

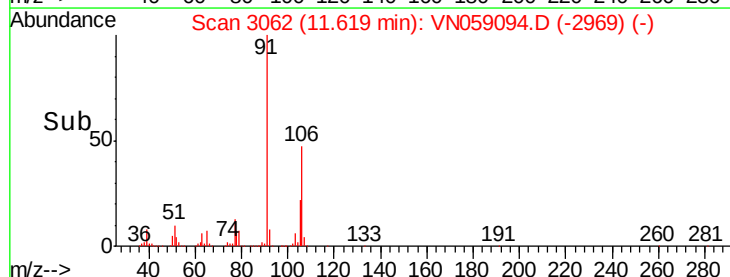
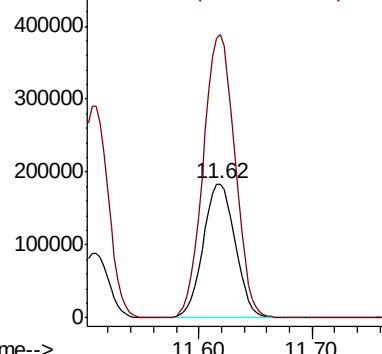
106 100

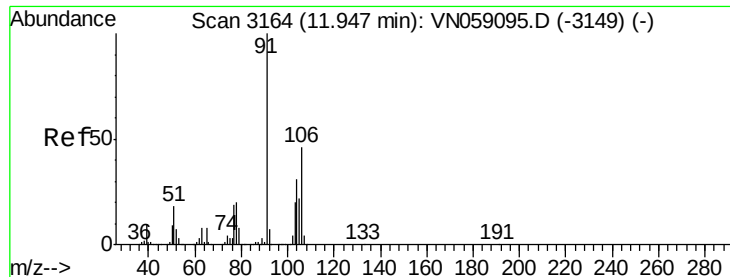
91 209.0 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

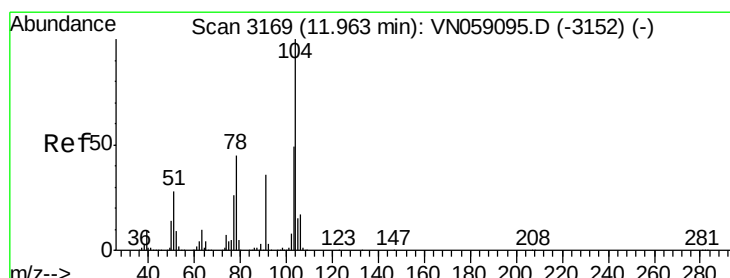
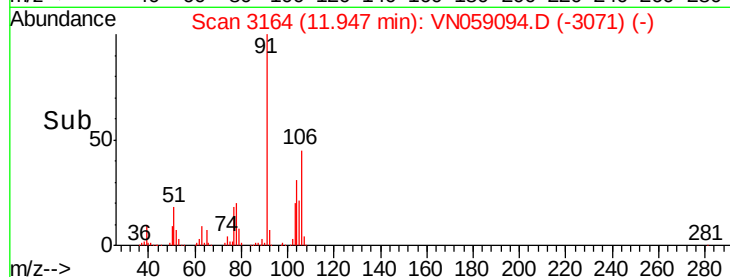
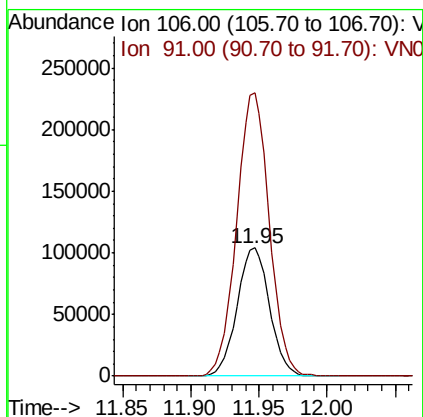
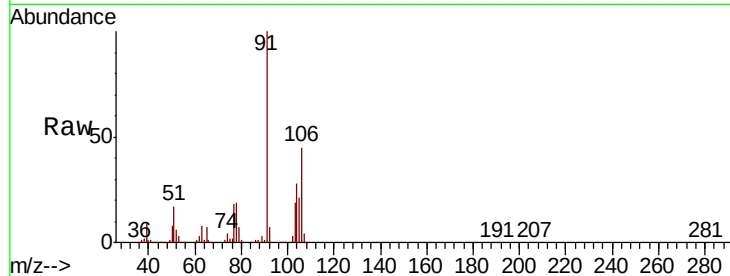




#69
o-Xylene
Concen: 19.453 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

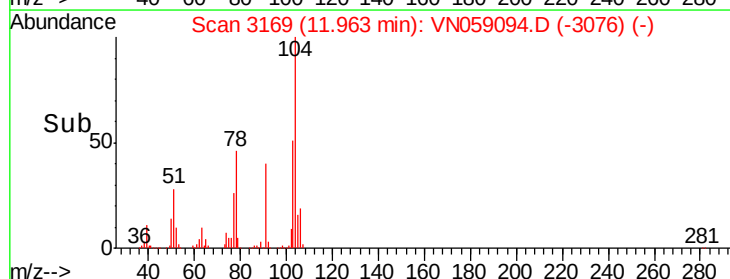
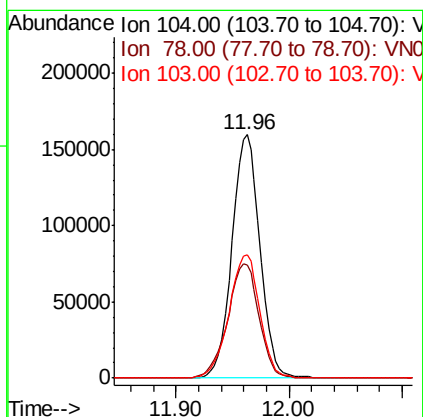
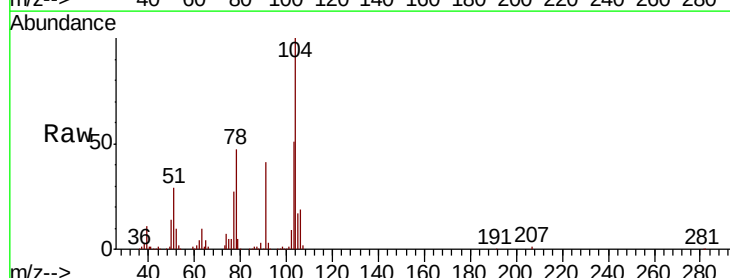
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

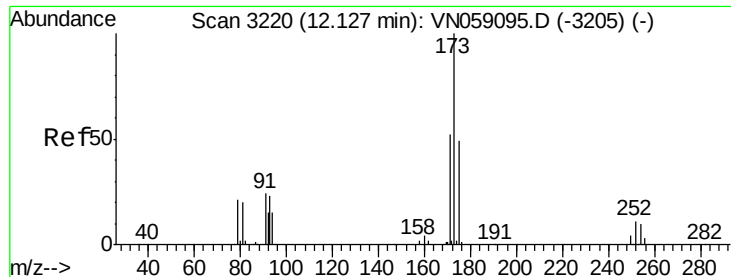
Tot Ion:106 Resp: 172684
Ion Ratio Lower Upper
106 100
91 220.5 110.1 330.3



#70
Styrene
Concen: 19.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:104 Resp: 275178
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.9 43.8 65.6





#71

Bromoform

Concen: 18.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

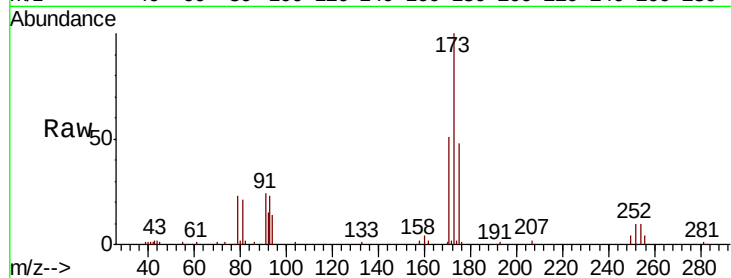
Tot Ion:173 Resp: 75823

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

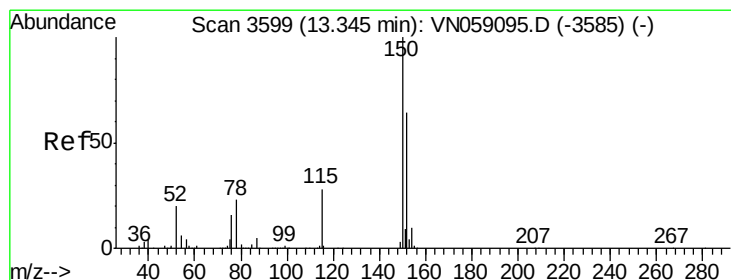
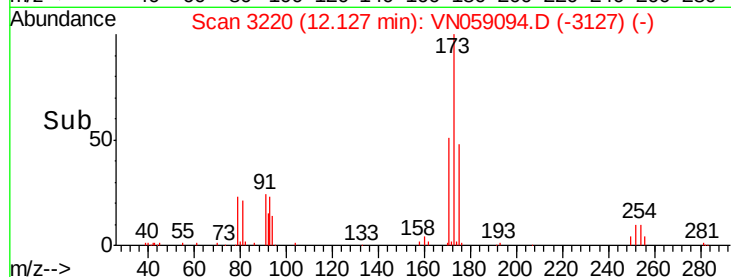
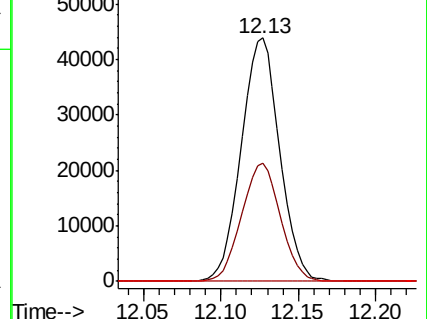
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

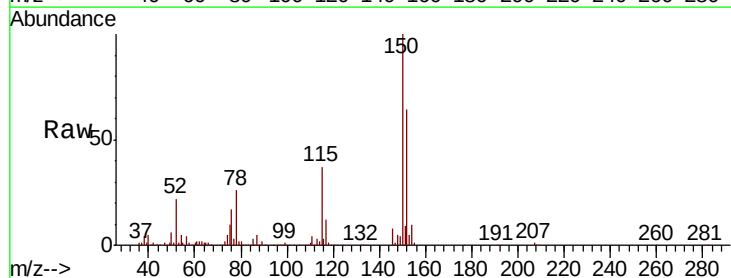
Tgt Ion:152 Resp: 316468

Ion Ratio Lower Upper

152 100

115 58.3 29.4 88.2

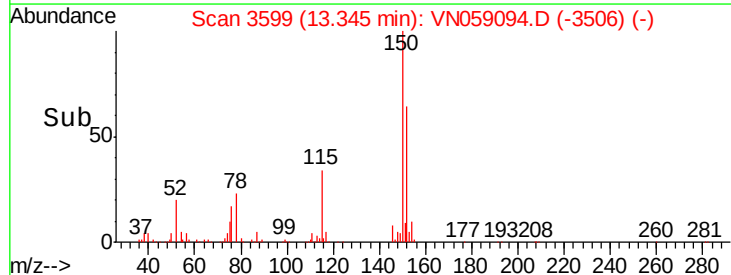
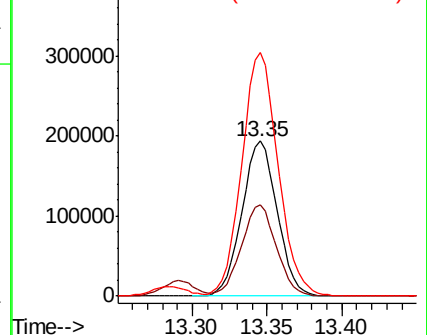
150 161.7 0.0 345.8

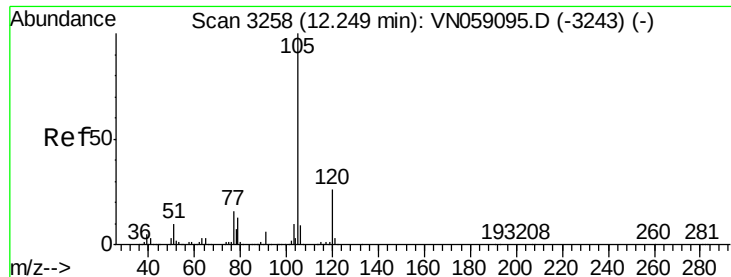


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.181 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

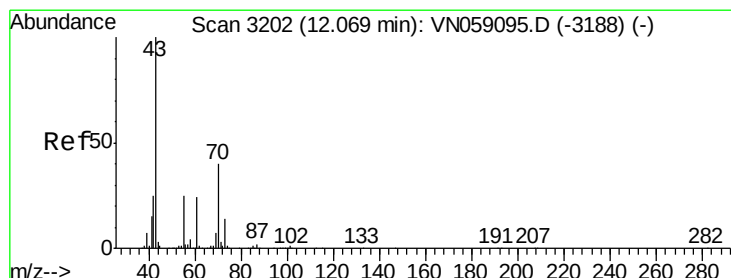
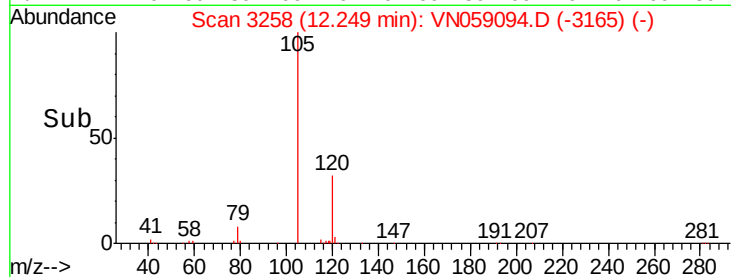
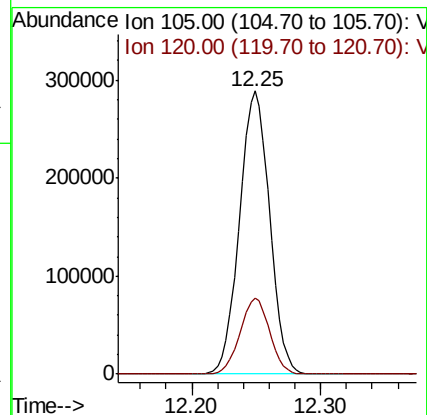
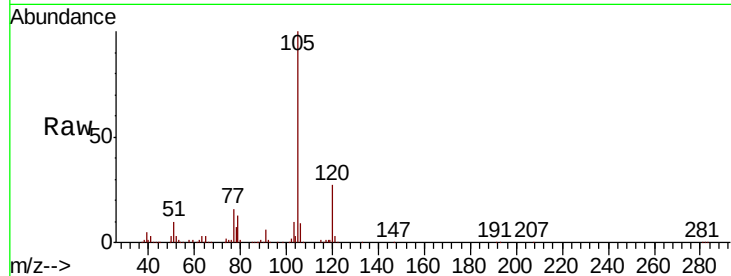
VSTDIC020

Tot Ion:105 Resp: 468751

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 18.753 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion: 43 Resp: 192784

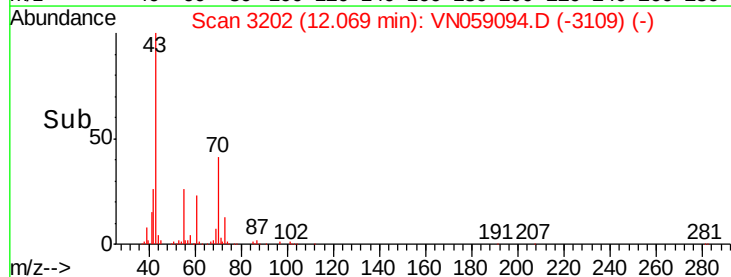
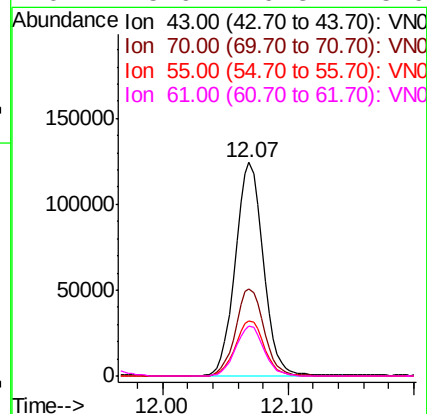
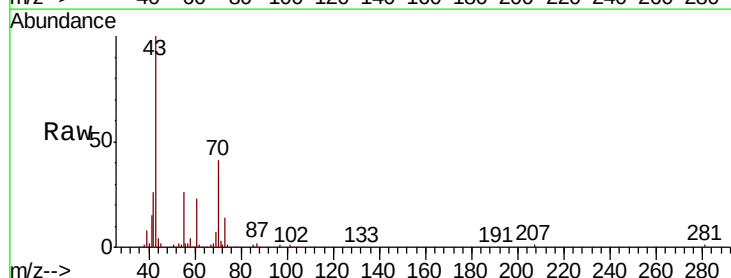
Ion Ratio Lower Upper

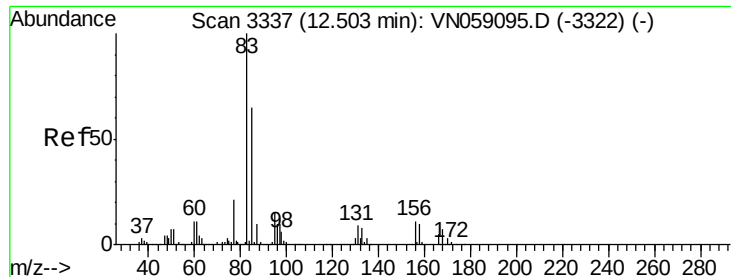
43 100

70 41.6 32.2 48.4

55 26.6 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

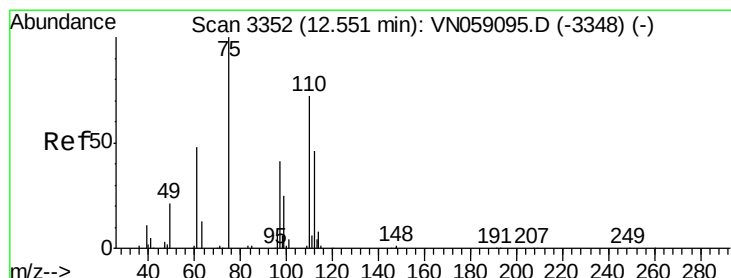
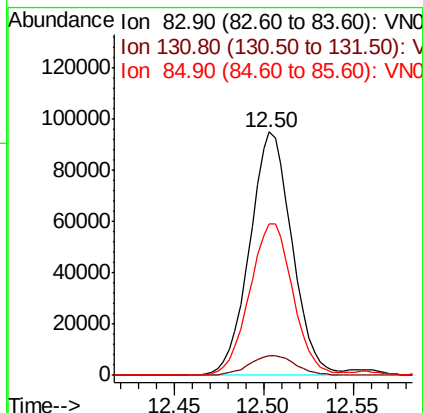
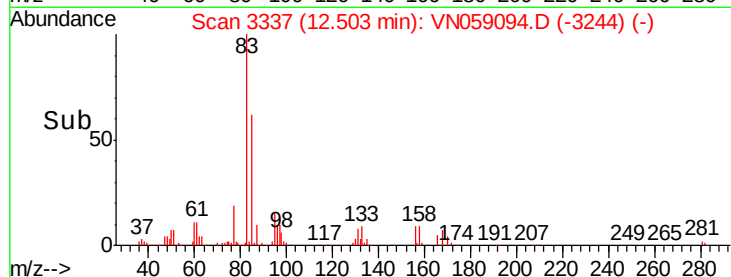
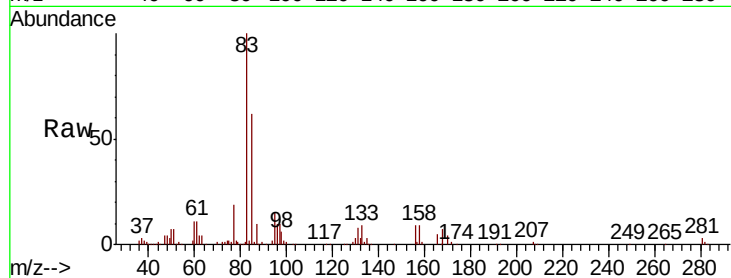
Tot Ion: 83 Resp: 156929

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.6

85 64.1 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 28.187 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059094.D

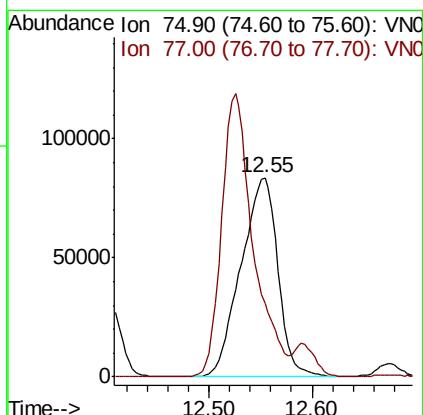
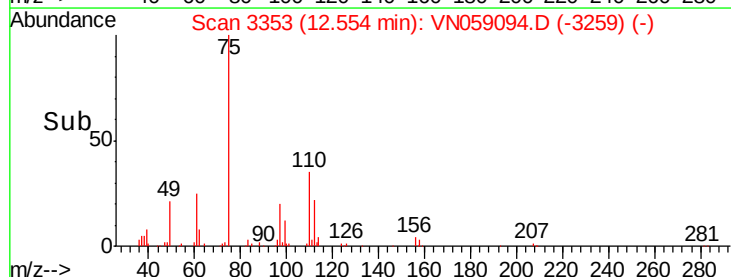
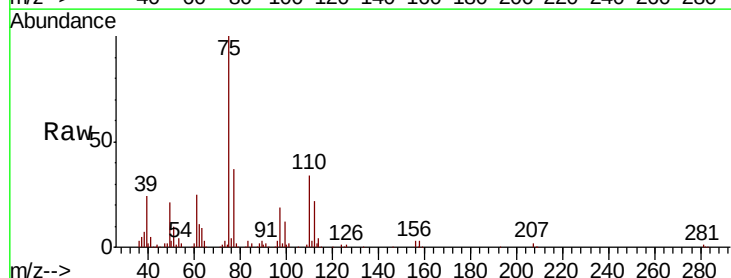
Acq: 6 Nov 2019 9:39

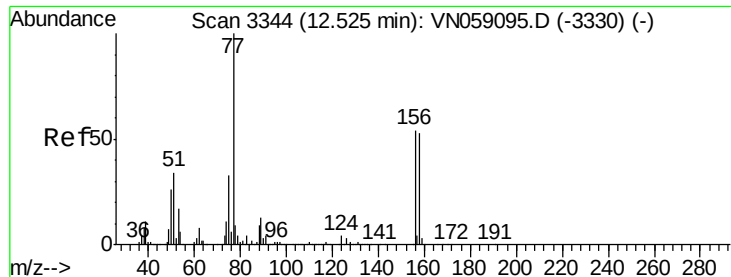
Tgt Ion: 75 Resp: 208471

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.275 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

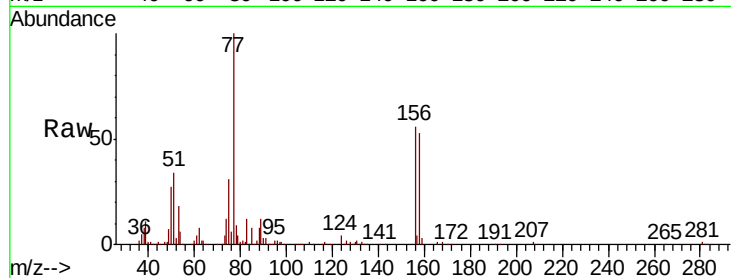
Tot Ion:156 Resp: 112331

Ion Ratio Lower Upper

156 100

77 226.4 112.8 338.3

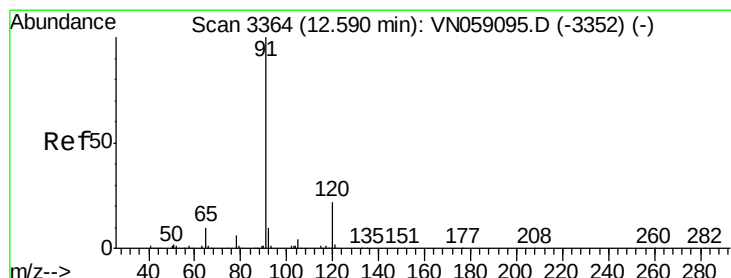
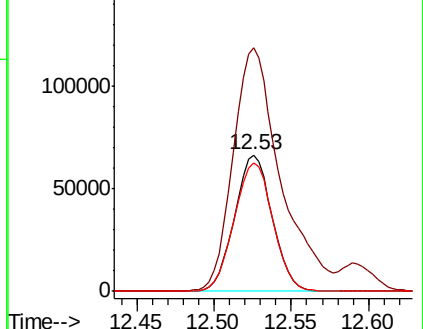
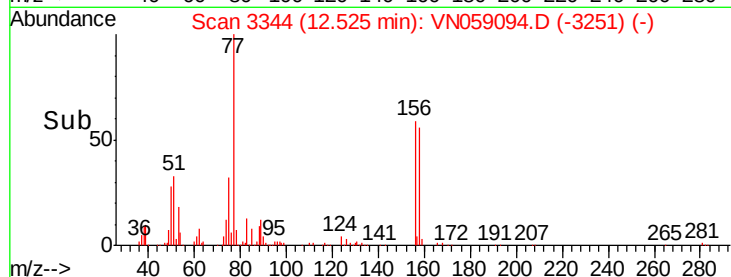
158 97.3 48.4 145.3



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: 20.054 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059094.D

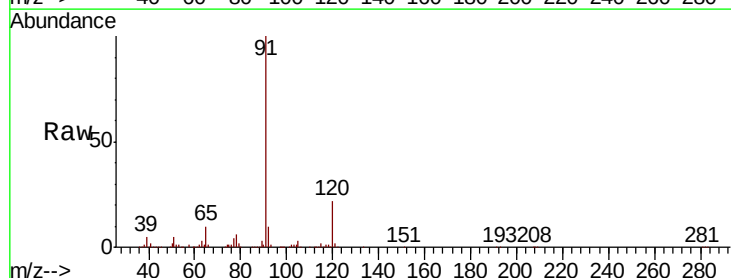
Acq: 6 Nov 2019 9:39

Tgt Ion: 91 Resp: 538327

Ion Ratio Lower Upper

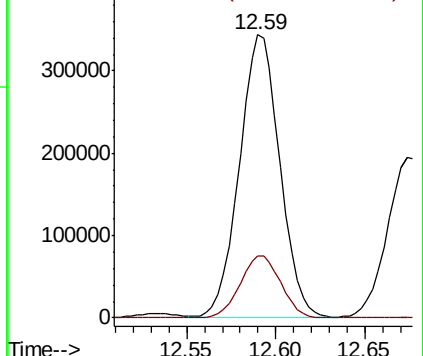
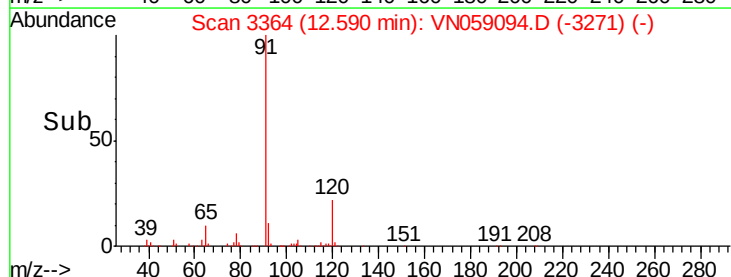
91 100

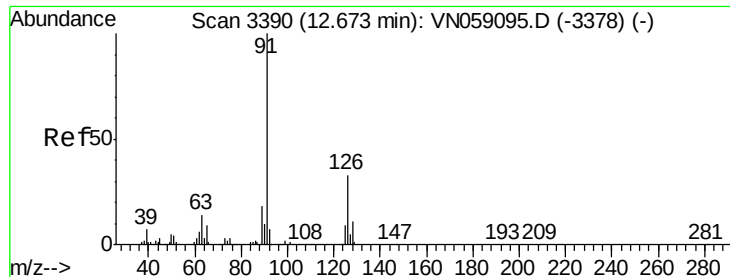
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.346 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampled :

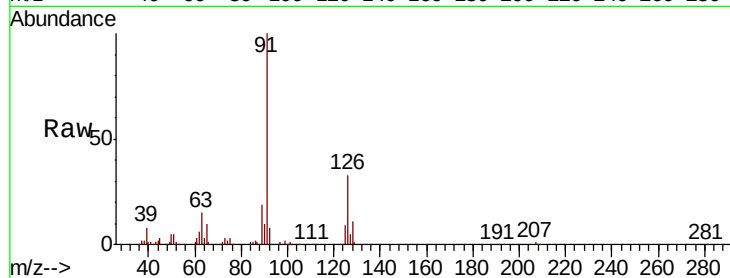
VSTDIC020

Tot Ion: 91 Resp: 322470

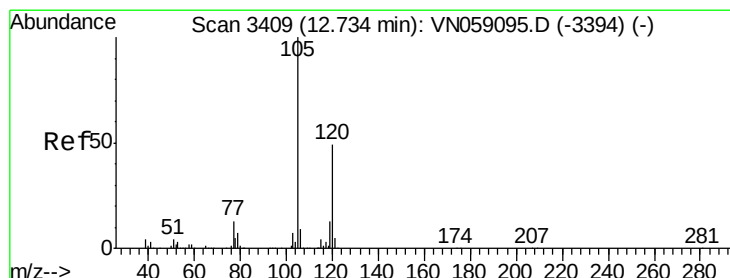
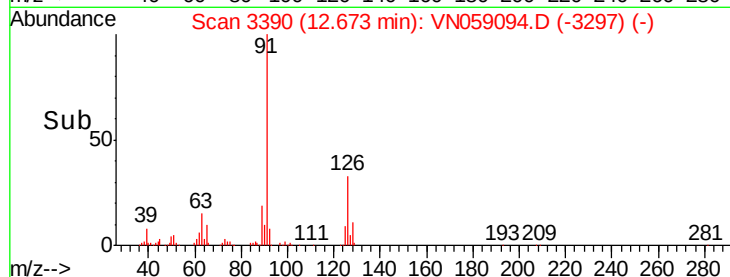
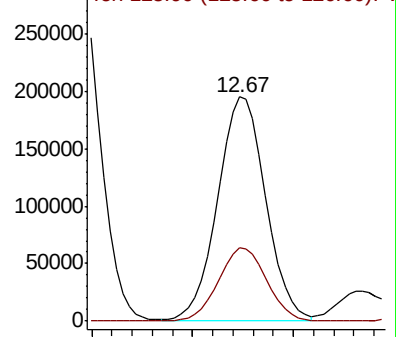
Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.167 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059094.D

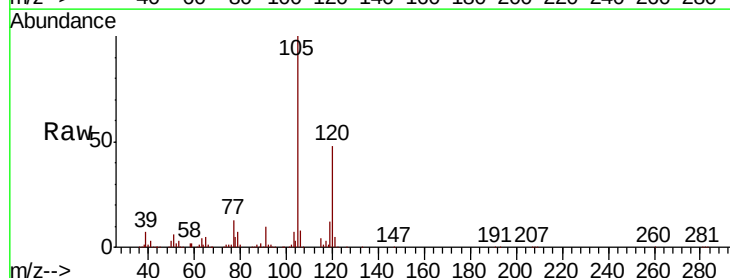
Acq: 6 Nov 2019 9:39

Tgt Ion: 105 Resp: 398366

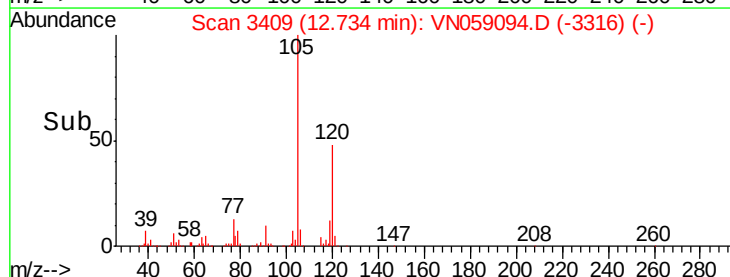
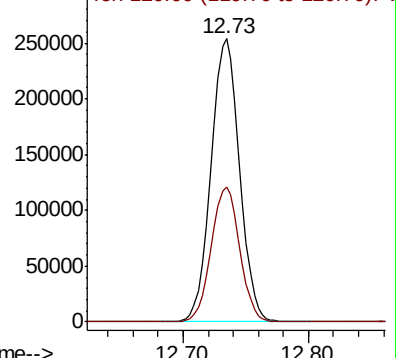
Ion Ratio Lower Upper

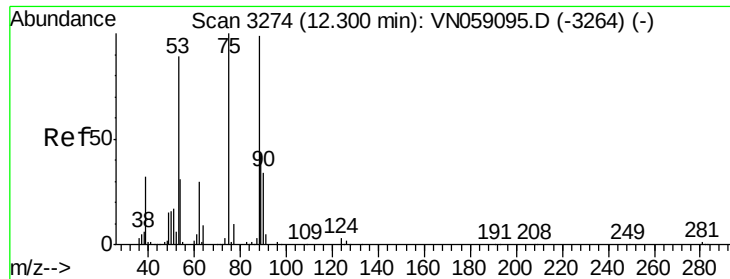
105 100

120 47.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.407 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

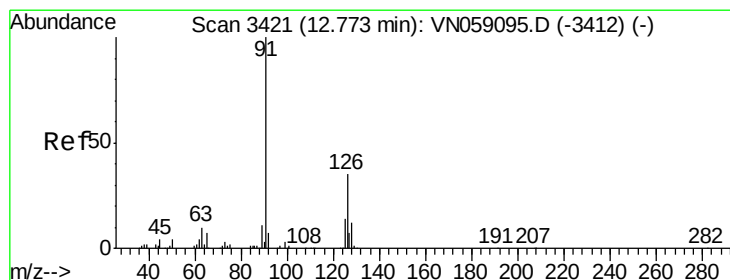
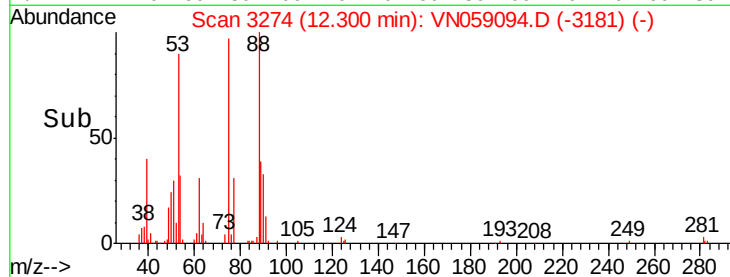
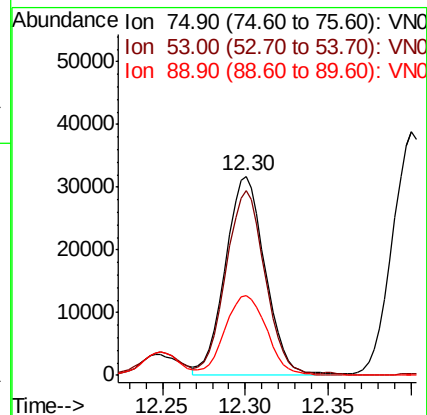
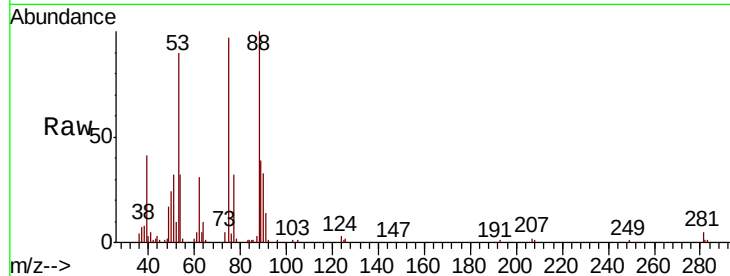
Tot Ion: 75 Resp: 53084

Ion Ratio Lower Upper

75 100

53 89.6 72.2 108.2

89 41.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.387 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059094.D

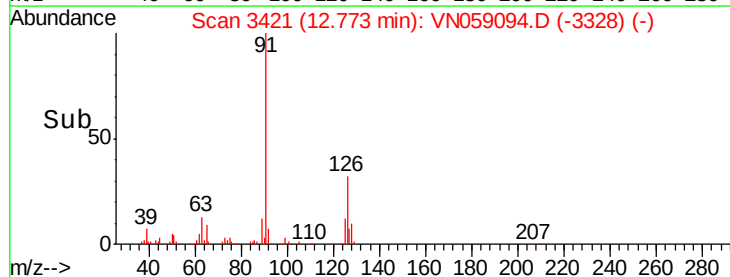
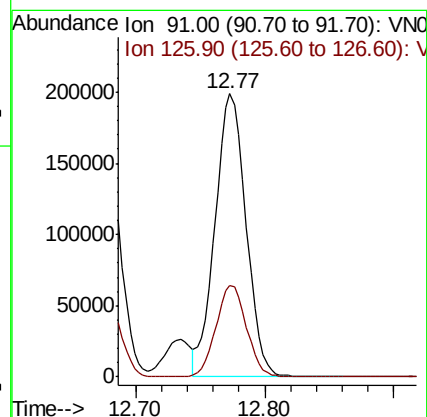
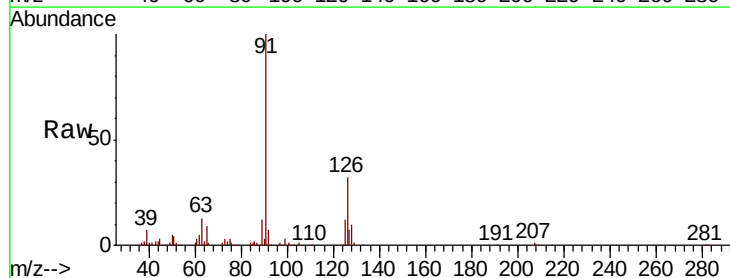
Acq: 6 Nov 2019 9:39

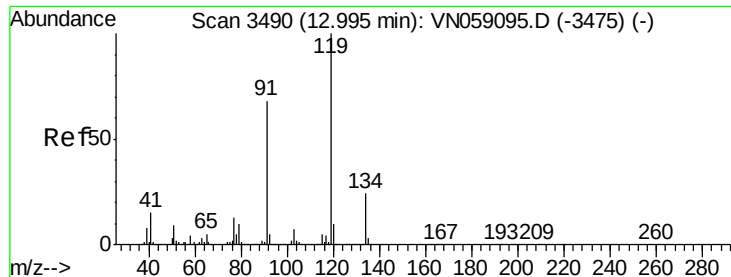
Tgt Ion: 91 Resp: 330122

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2

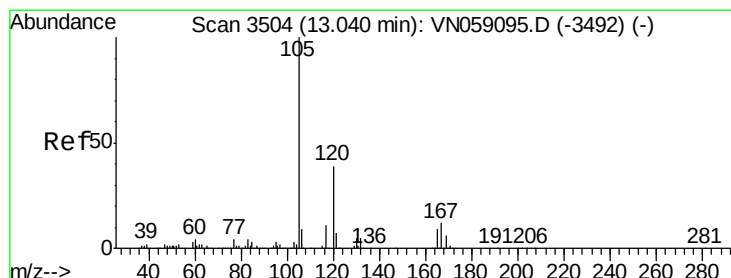
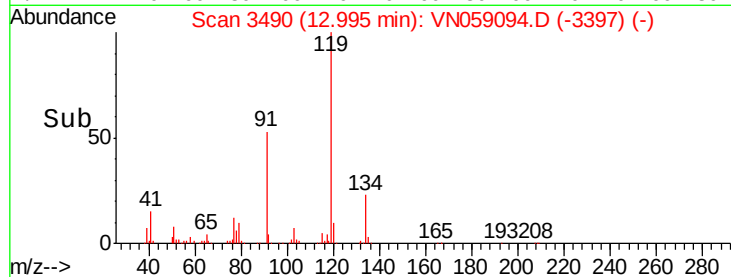
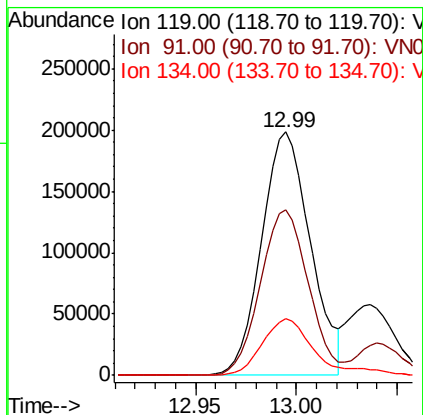
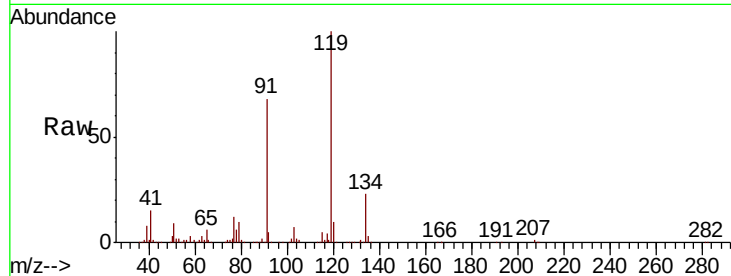




#83
 tert-Butylbenzene
 Concen: 19.885 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

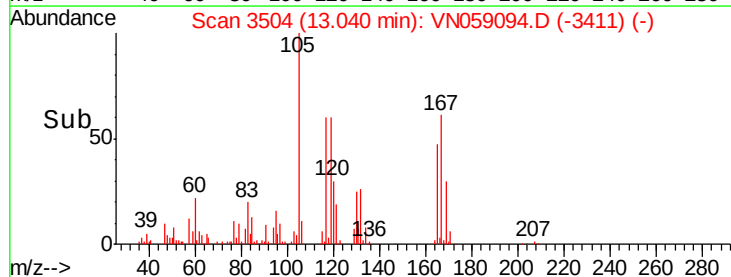
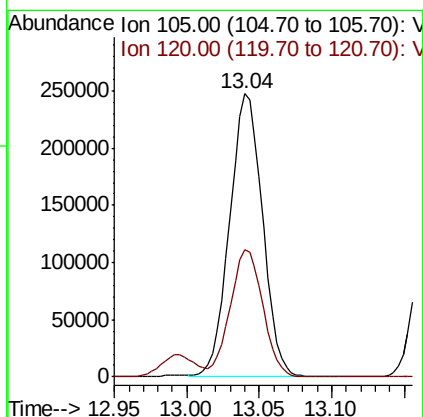
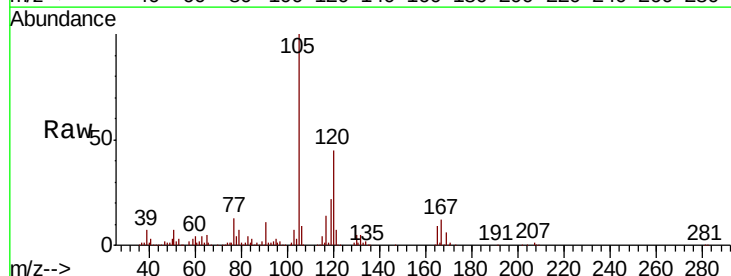
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

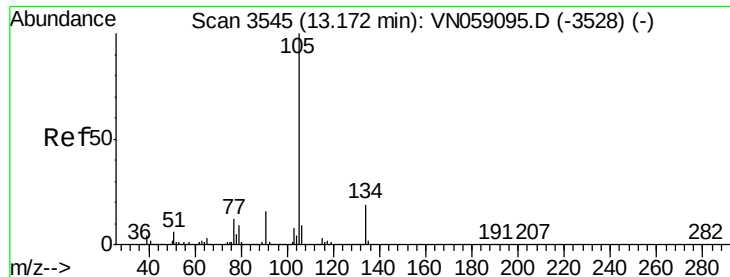
Tot Ion:119 Resp: 334647
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.2 99.6
 134 25.1 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.337 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion:105 Resp: 388982
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.306 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :

MSVOA_N

ClientSampleId :

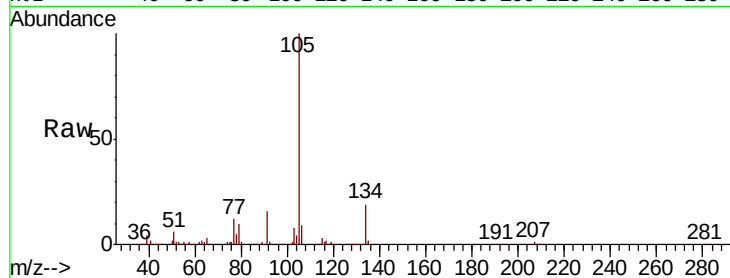
VSTDIC020

Tot Ion:105 Resp: 446750

Ion Ratio Lower Upper

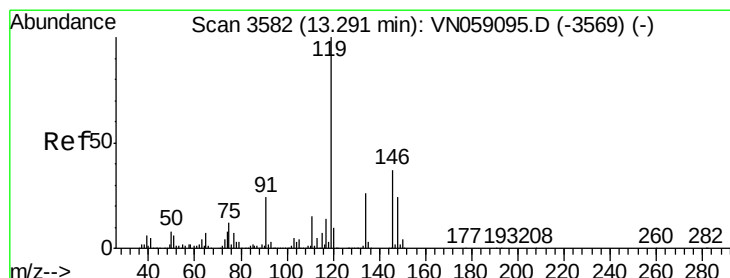
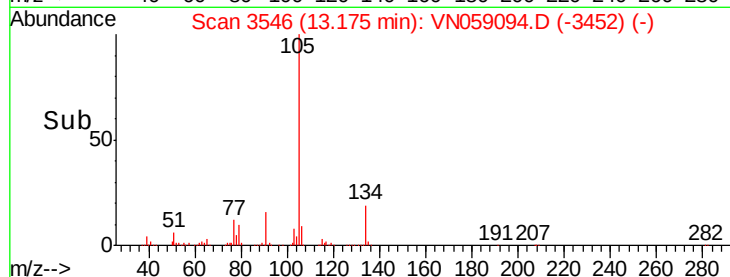
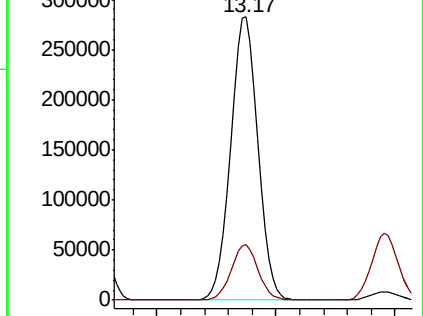
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.014 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

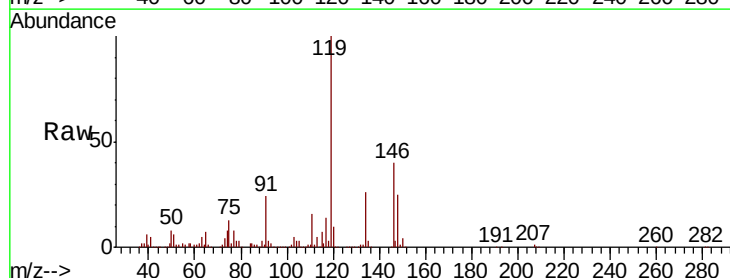
Tgt Ion:119 Resp: 396543

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

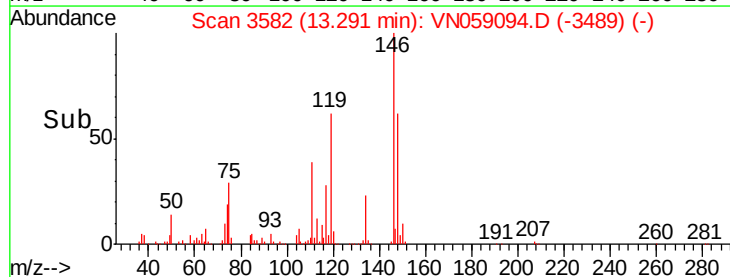
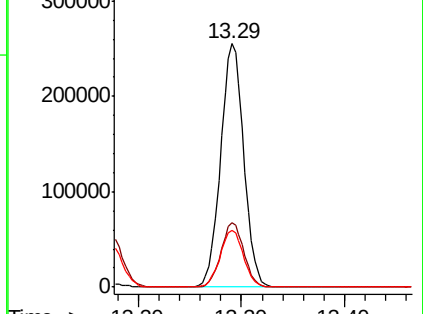
91 23.5 11.7 35.1

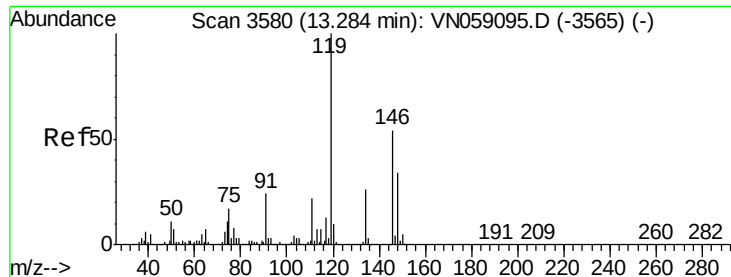


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.005 ug/l

RT: 13.28 min Scan# 3580

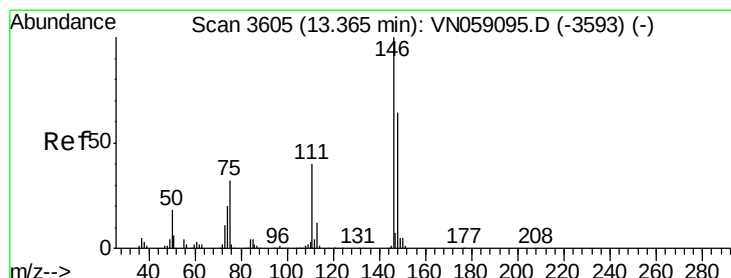
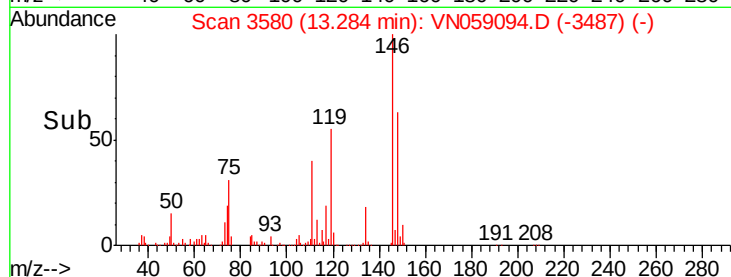
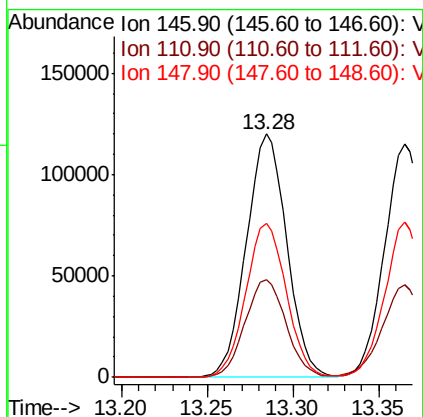
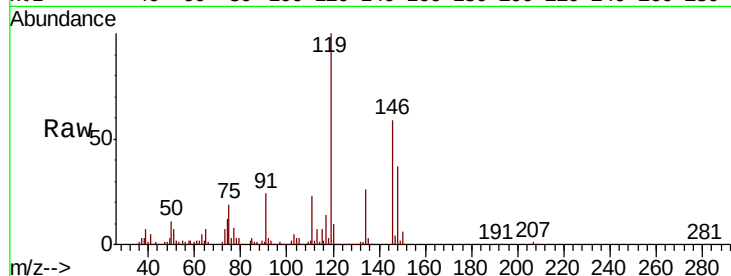
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	63.3	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 18.838 ug/l

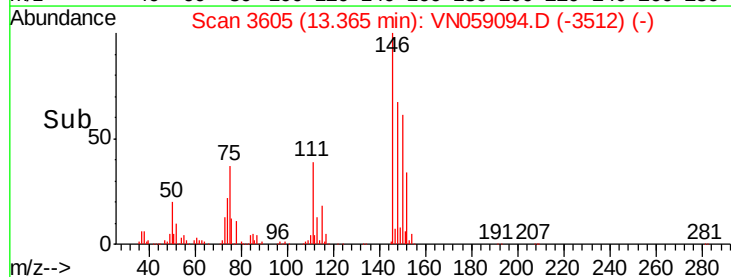
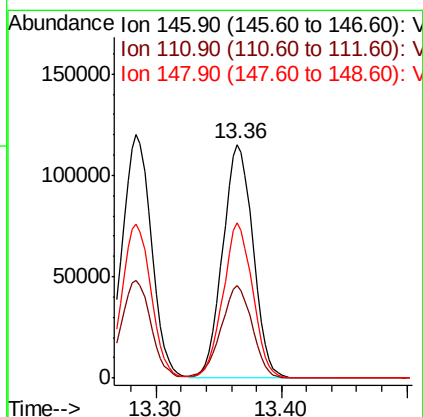
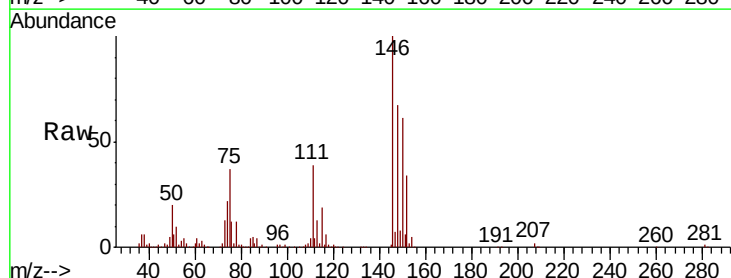
RT: 13.36 min Scan# 3605

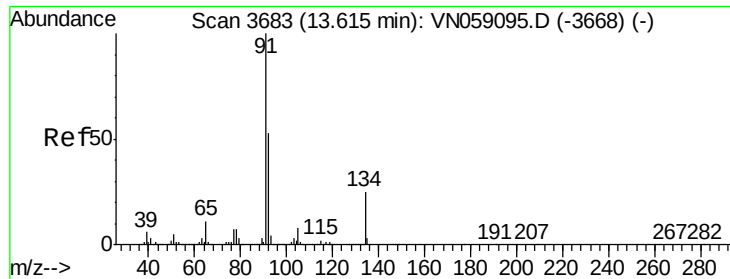
Delta R.T. -0.00 min

Lab File: VN059094.D

Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.9
148	64.9	31.9	95.7

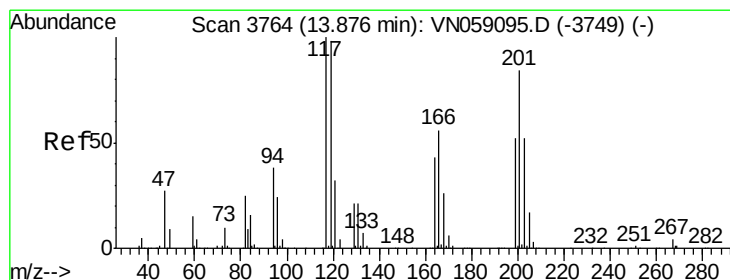
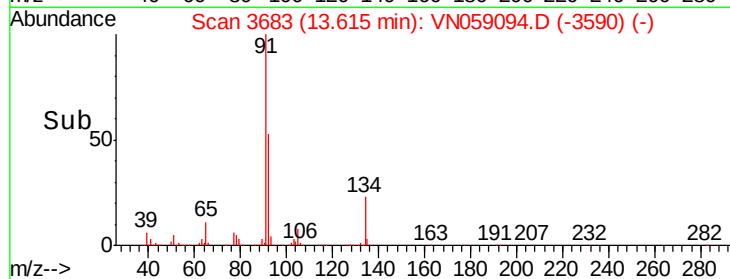
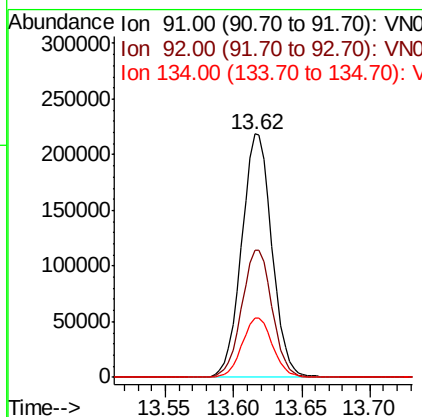
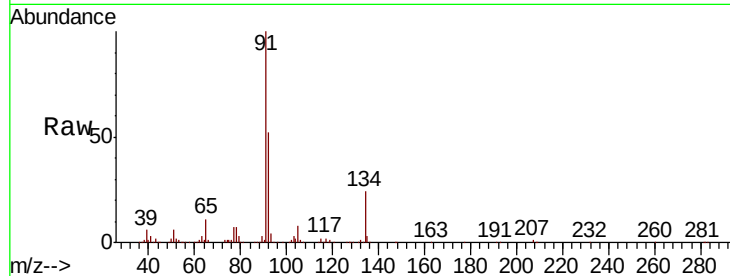




#89
n-Butylbenzene
Concen: 19.527 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

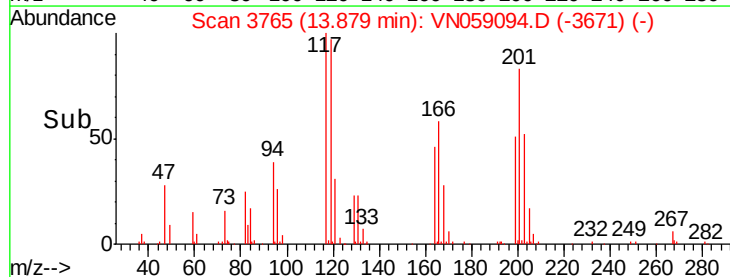
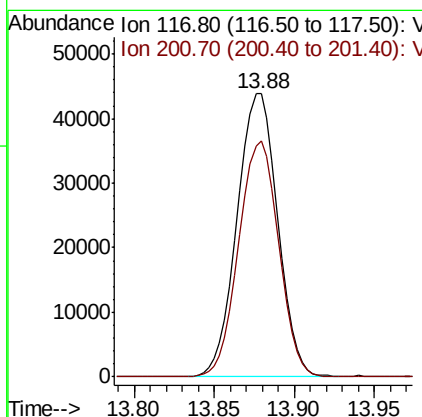
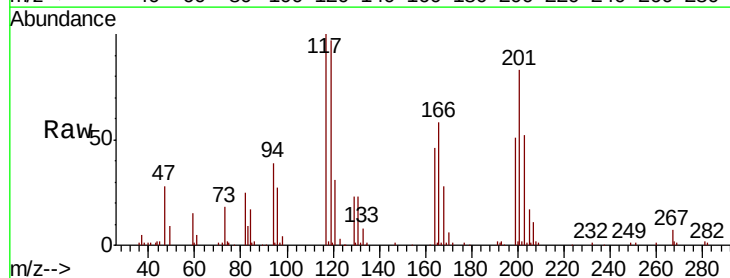
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

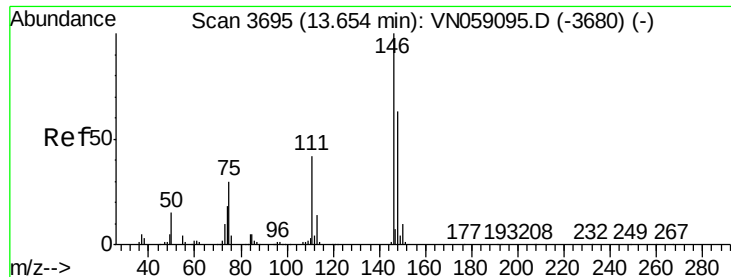
Tot Ion: 91 Resp: 335939
Ion Ratio Lower Upper
91 100
92 52.7 26.1 78.3
134 24.6 12.6 37.8



#90
Hexachloroethane
Concen: 19.303 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion: 117 Resp: 75911
Ion Ratio Lower Upper
117 100
201 82.1 41.8 125.3

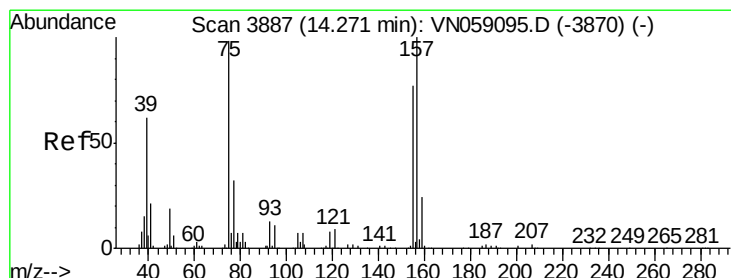
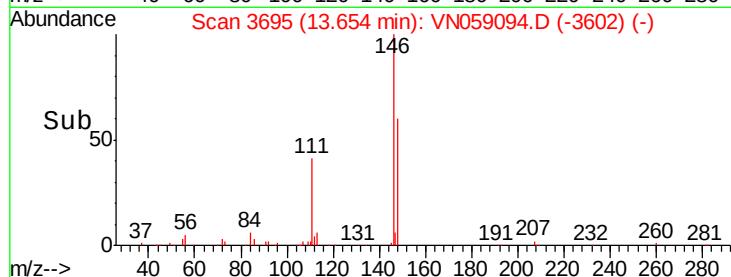
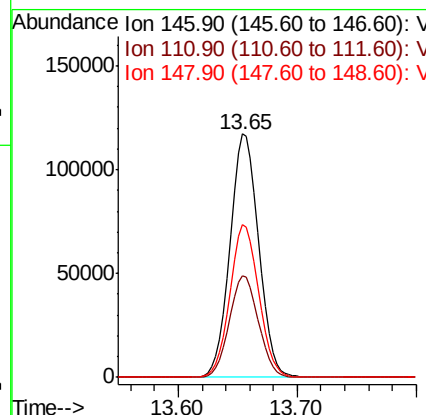
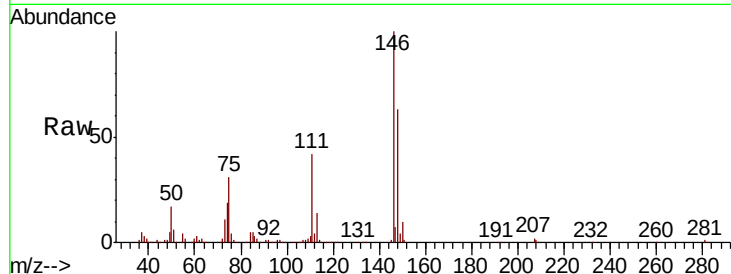




#91
 1,2-Dichlorobenzene
 Concen: 19.002 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

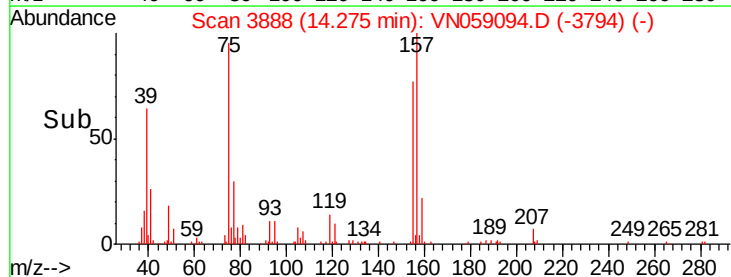
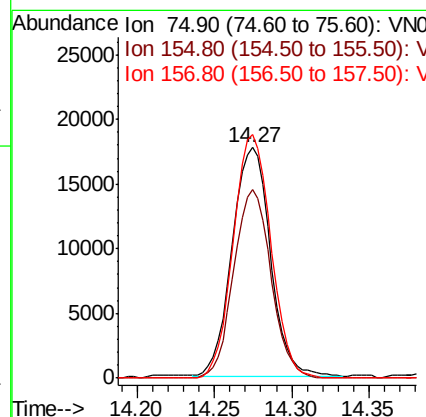
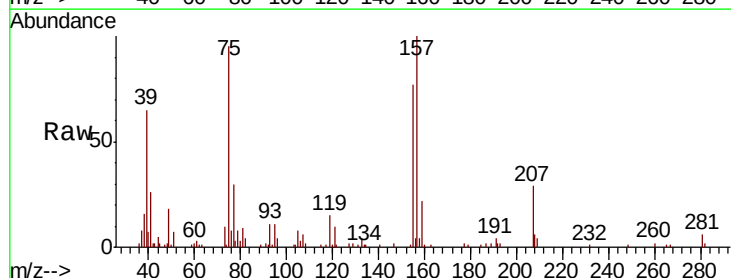
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

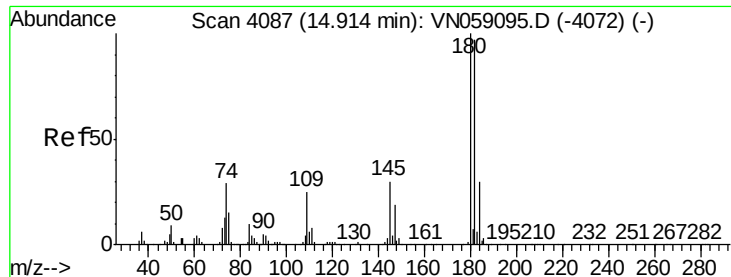
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	63.1	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.037 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059094.D
 Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	40.2	120.6
157	104.8	51.8	155.5

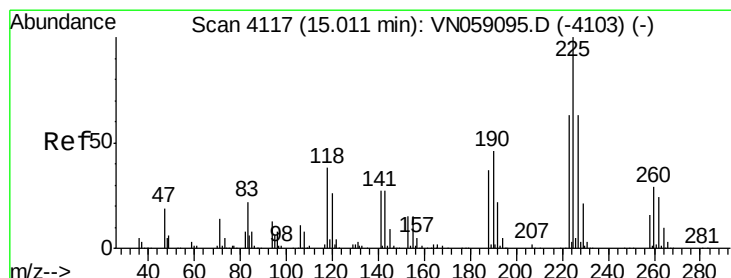
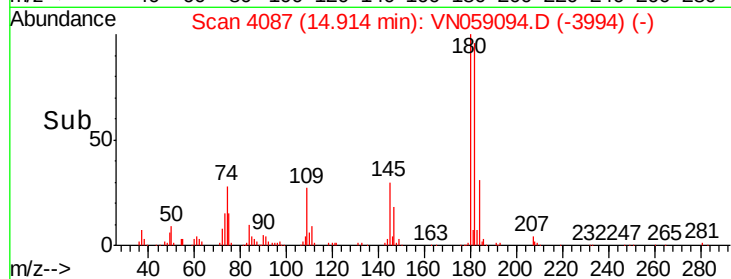
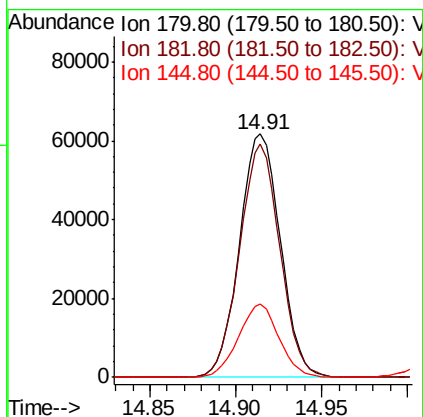
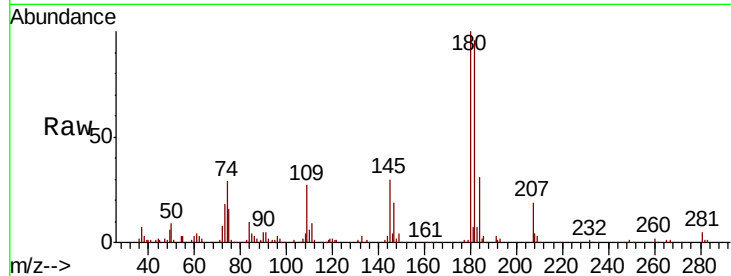




#93
1,2,4-Trichlorobenzene
Concen: 18.442 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

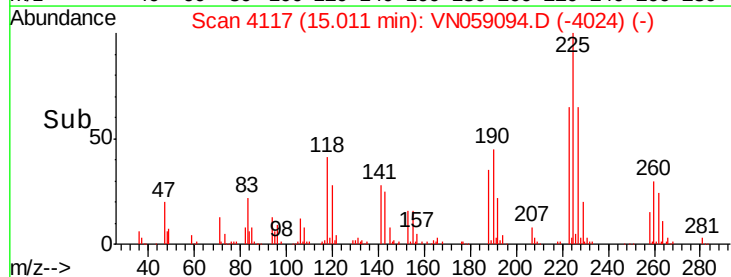
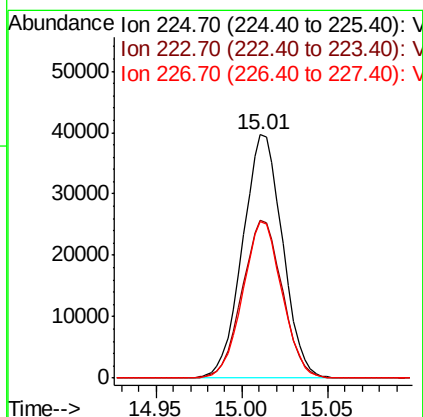
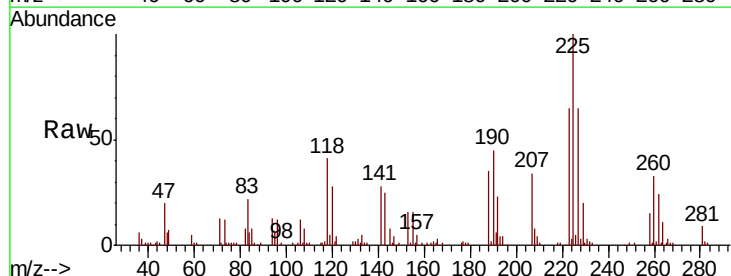
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

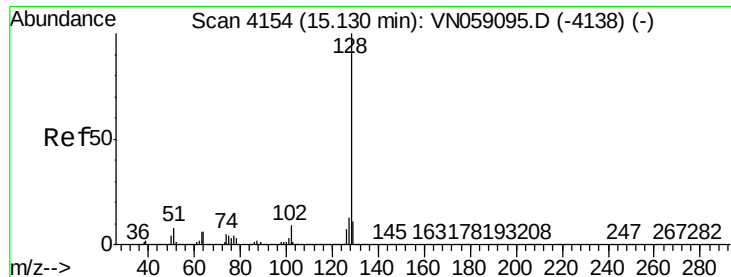
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.3
145	29.8	15.1	45.3



#94
Hexachlorobutadiene
Concen: 19.187 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.3	93.9
227	63.1	31.5	94.5

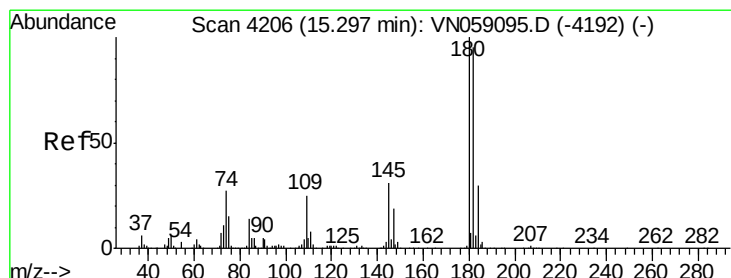
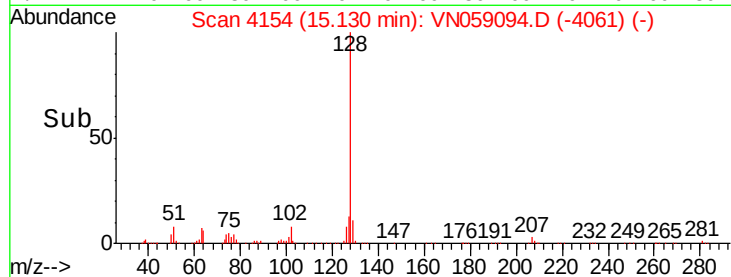
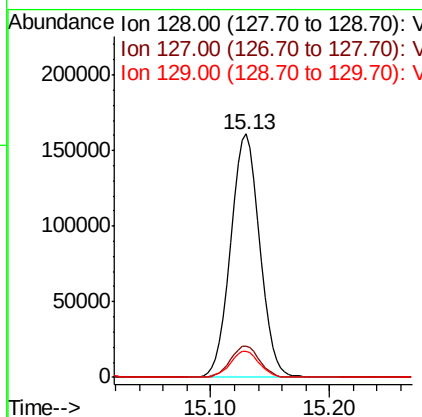
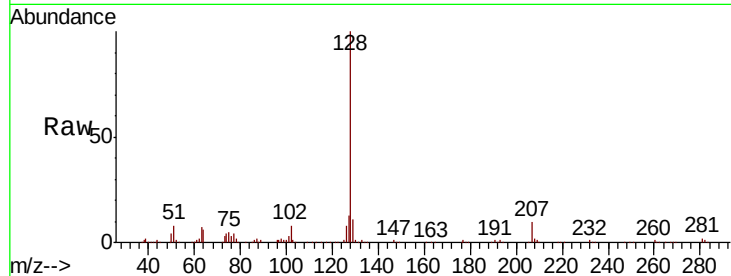




#95
Naphthalene
Concen: 18.049 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 272857
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.555 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059094.D
Acq: 6 Nov 2019 9:39

Tgt Ion:180 Resp: 104711
Ion Ratio Lower Upper
180 100
182 93.6 47.3 141.8
145 31.6 15.8 47.3

