

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112719\
 Data File : VN059418.D
 Acq On : 27 Nov 2019 12:39
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 27 16:30:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	293525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	403706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	165106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	5274	1.53	ug/l	0.00
Spiked Amount			Recovery	=	3.06%	
35) Dibromofluoromethane	7.57	113	3761	1.34	ug/l	0.00
Spiked Amount			Recovery	=	2.68%	
50) Toluene-d8	10.08	98	14807	1.33	ug/l	0.00
Spiked Amount			Recovery	=	2.66%	
62) 4-Bromofluorobenzene	12.40	95	5331	1.37	ug/l	0.00
Spiked Amount			Recovery	=	2.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	4729	1.369	ug/l	98
3) Chloromethane	2.04	50	7403	1.754	ug/l	95
4) Vinyl Chloride	2.17	62	6788	1.674	ug/l	97
5) Bromomethane	2.55	94	4758	1.949	ug/l	97
6) Chloroethane	2.69	64	3548	1.560	ug/l	100
7) Trichlorofluoromethane	3.00	101	7469	1.546	ug/l	91
8) Diethyl Ether	3.39	74	2863	1.456	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4678	1.573	ug/l	96
10) Methyl Iodide	3.93	142	5104	1.318	ug/l #	93
11) Tert butyl alcohol	4.75	59	4795	8.050	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	4618	1.585	ug/l	87
13) Acrolein	3.58	56	4189	7.204	ug/l	98
14) Allyl chloride	4.29	41	9149	1.693	ug/l	94
15) Acrylonitrile	4.96	53	12720	7.664	ug/l	95
16) Acetone	3.80	43	13994	8.543	ug/l	95
17) Carbon Disulfide	4.03	76	16827	1.683	ug/l	95
18) Methyl Acetate	4.30	43	8546	1.916	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	14016	1.493	ug/l	92
20) Methylene Chloride	4.52	84	5986	1.798	ug/l #	93
21) trans-1,2-Dichloroethene	5.01	96	5007	1.577	ug/l	99
22) Diisopropyl ether	5.92	45	15035	1.497	ug/l	89
23) Vinyl Acetate	5.87	43	58435	7.214	ug/l	98
24) 1,1-Dichloroethane	5.82	63	9650	1.670	ug/l	97
25) 2-Butanone	6.81	43	16526	7.334	ug/l	92
26) 2,2-Dichloropropane	6.80	77	7898	1.606	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	5736	1.652	ug/l	97
28) Bromochloromethane	7.17	49	1296	0.649	ug/l #	84
29) Tetrahydrofuran	7.19	42	11166	7.450	ug/l	98
30) Chloroform	7.35	83	11113	1.912	ug/l	97
31) Cyclohexane	7.63	56	13434	2.320	ug/l #	50
32) 1,1,1-Trichloroethane	7.55	97	7412	1.559	ug/l	98
36) 1,1-Dichloropropene	7.77	75	6881	1.557	ug/l	96
37) Ethyl Acetate	6.91	43	7351	1.572	ug/l #	79
38) Carbon Tetrachloride	7.75	117	6263	1.502	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	8282	1.566	ug/l	97
40) Benzene	8.02	78	21095	1.608	ug/l	96
41) Methacrylonitrile	7.14	41	2213	1.002	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	6865	1.650	ug/l	92
43) Isopropyl Acetate	8.15	43	10743	1.512	ug/l #	87
44) Trichloroethene	8.82	130	5305	1.586	ug/l	98
45) 1,2-Dichloropropane	9.10	63	5416	1.578	ug/l	97
46) Dibromomethane	9.19	93	2904	1.371	ug/l	90
47) Bromodichloromethane	9.39	83	6743	1.574	ug/l	97
48) Methyl methacrylate	9.19	41	4708	1.494	ug/l	93
49) 1,4-Dioxane	9.19	88	1479	32.135	ug/l #	77
51) 4-Methyl-2-Pentanone	9.97	43	28482	6.913	ug/l	97
52) Toluene	10.15	92	11806	1.506	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	7156	1.454	ug/l #	78
54) cis-1,3-Dichloropropene	9.83	75	7651	1.440	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	4819	1.571	ug/l	95
56) Ethyl methacrylate	10.43	69	5908	1.320	ug/l	92
57) 1,3-Dichloropropane	10.70	76	8242	1.554	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	5991	4.557	ug/l	95
59) 2-Hexanone	10.75	43	23016	7.534	ug/l	93
60) Dibromochloromethane	10.90	129	5041	1.574	ug/l	91
61) 1,2-Dibromoethane	11.00	107	4840	1.539	ug/l	97
64) Tetrachloroethene	10.63	164	5016	1.680	ug/l	93
65) Chlorobenzene	11.43	112	12999	1.591	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	4553	1.536	ug/l #	56
67) Ethyl Benzene	11.51	91	22729	1.583	ug/l	99
68) m/p-Xylenes	11.62	106	16623	3.101	ug/l	100
69) o-Xylene	11.95	106	7776	1.513	ug/l	96
70) Styrene	11.96	104	11044	1.371	ug/l	97
71) Bromoform	12.13	173	3100	1.374	ug/l #	93
73) Isopropylbenzene	12.25	105	20256	1.656	ug/l	97
74) N-amyl acetate	12.07	43	7497	1.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	7042	1.765	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	8995	2.358	ug/l #	100
77) Bromobenzene	12.53	156	5294	1.768	ug/l	94
78) n-propylbenzene	12.59	91	23820	1.690	ug/l	97
79) 2-Chlorotoluene	12.68	91	14581	1.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	16330	1.588	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	2287	1.573	ug/l	92
82) 4-Chlorotoluene	12.78	91	15254	1.758	ug/l	98
83) tert-Butylbenzene	12.99	119	15122	1.713	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	16175	1.606	ug/l	99
85) sec-Butylbenzene	13.17	105	20097	1.714	ug/l	99
86) p-Isopropyltoluene	13.29	119	18156	1.713	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	9934	1.872	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	9838	1.846	ug/l	82
89) n-Butylbenzene	13.62	91	16414	1.772	ug/l	98
90) Hexachloroethane	13.88	117	3300	1.629	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	9577	1.842	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1645	1.816	ug/l	76

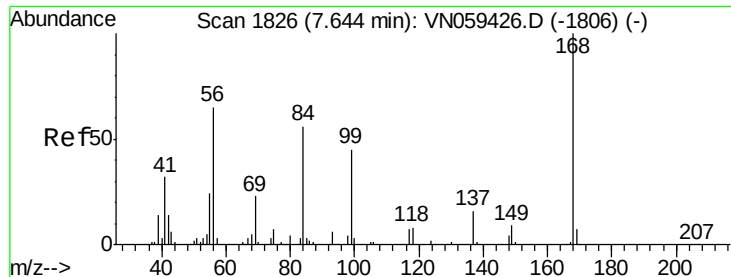
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112719\
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:27:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7232	2.237	ug/l	96
94) Hexachlorobutadiene	15.01	225	4360	2.201	ug/l	98
95) Naphthalene	15.13	128	26271	2.876	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	8323	2.417	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

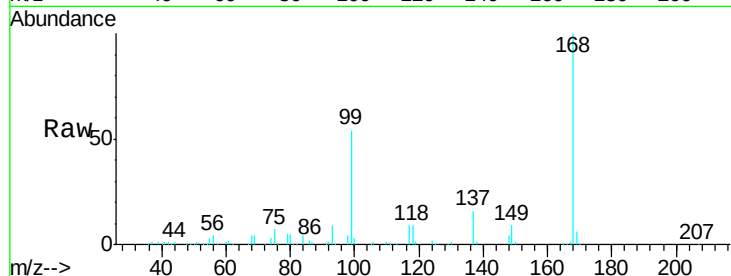
VSTDIC001

Tgt Ion:168 Resp: 293525

Ion Ratio Lower Upper

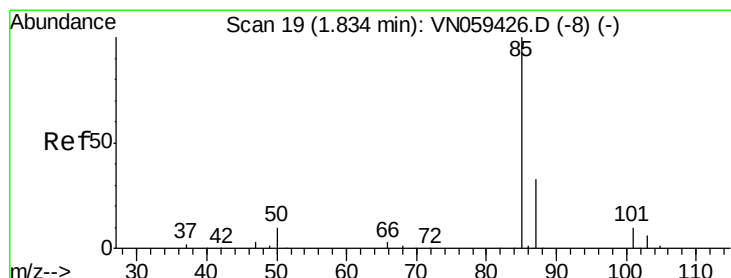
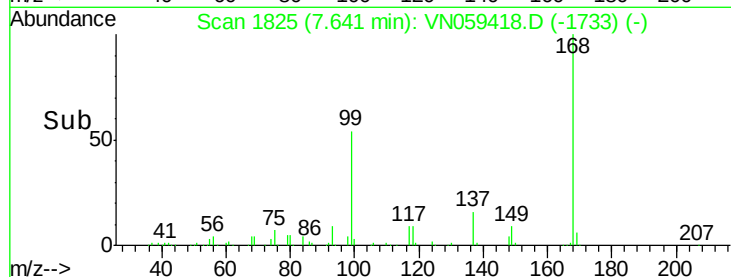
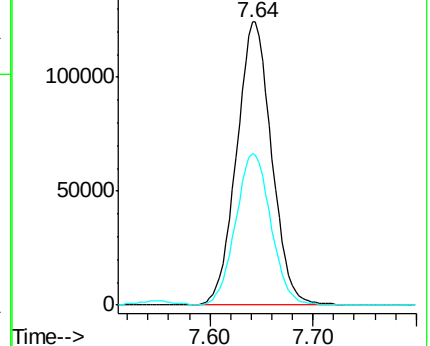
168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.369 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059418.D

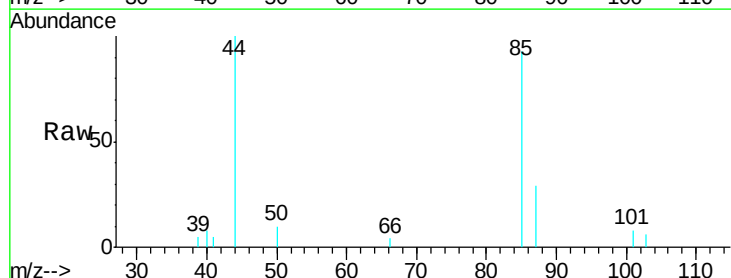
Acq: 27 Nov 2019 12:39

Tgt Ion: 85 Resp: 4729

Ion Ratio Lower Upper

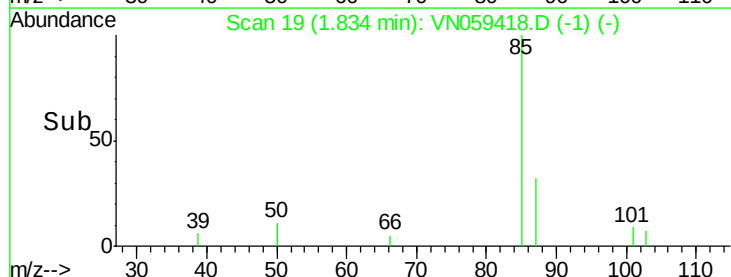
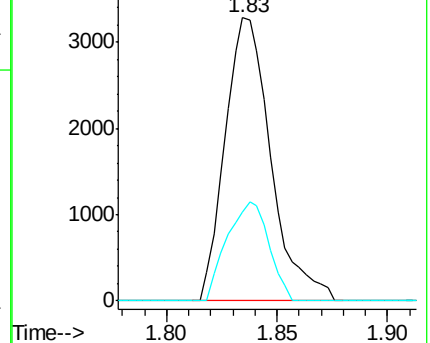
85 100

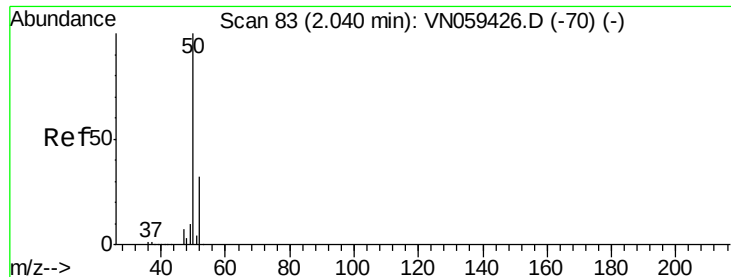
87 31.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.754 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

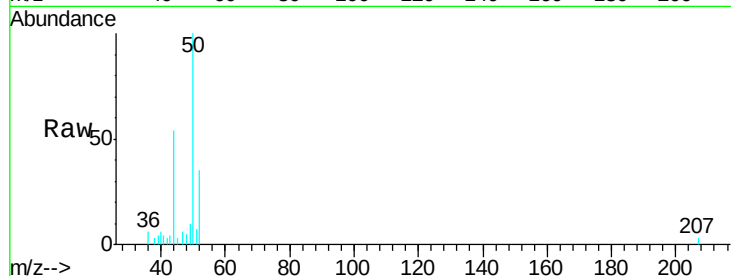
VSTDIC001

Tgt Ion: 50 Resp: 7403

Ion Ratio Lower Upper

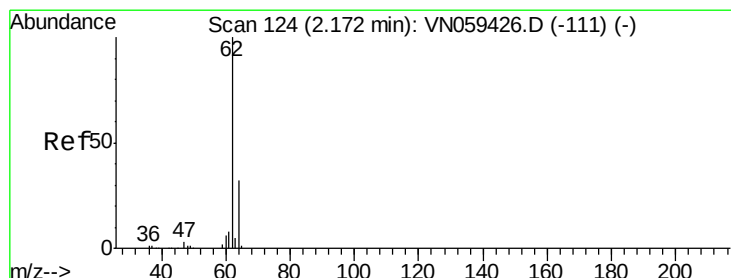
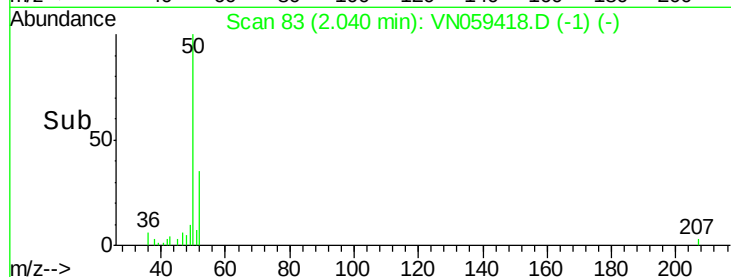
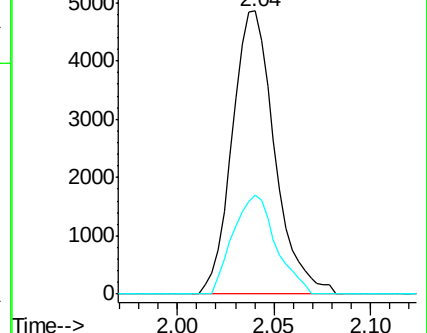
50 100

52 35.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.674 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN059418.D

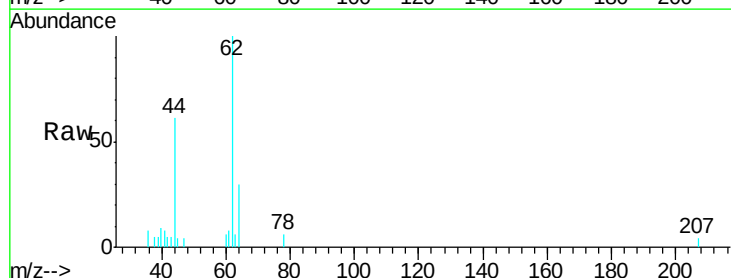
Acq: 27 Nov 2019 12:39

Tgt Ion: 62 Resp: 6788

Ion Ratio Lower Upper

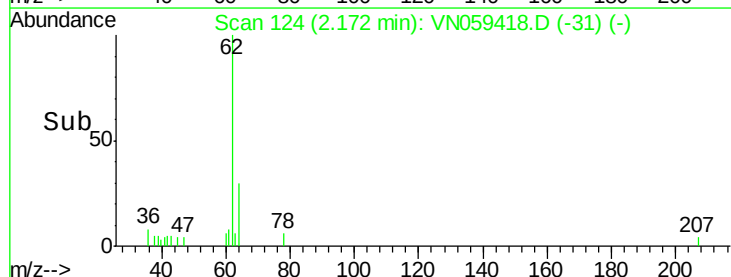
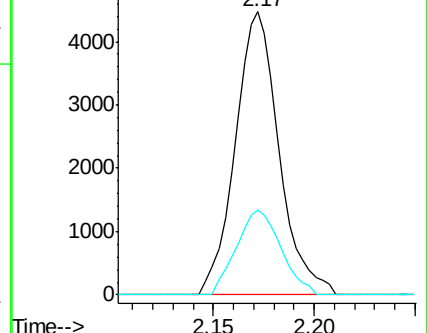
62 100

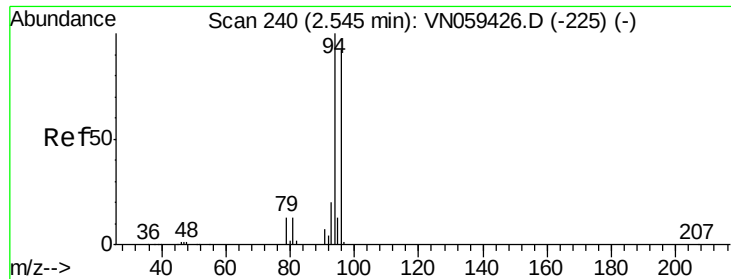
64 29.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.949 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

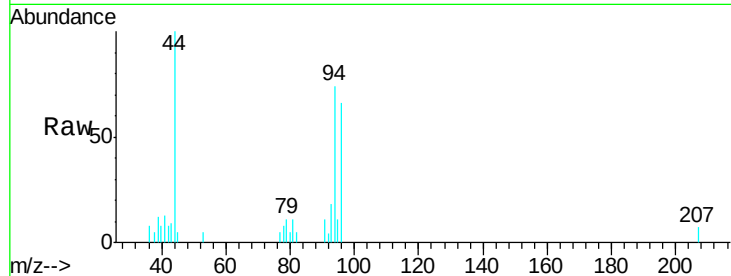
VSTDIC001

Tgt Ion: 94 Resp: 4758

Ion Ratio Lower Upper

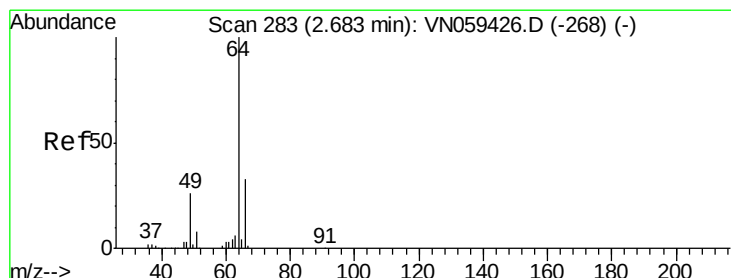
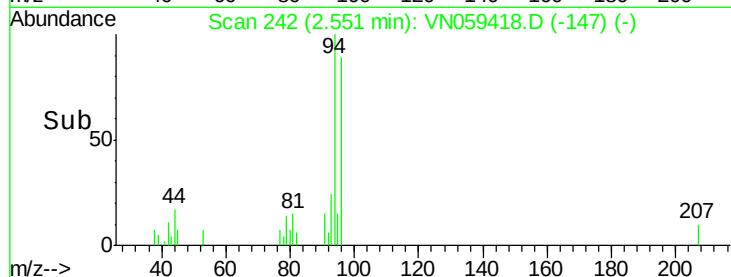
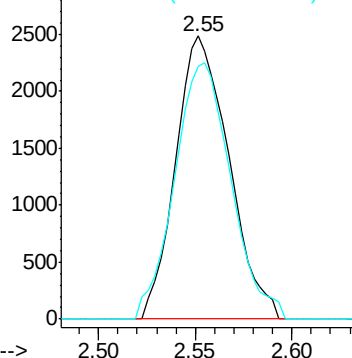
94 100

96 89.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.560 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059418.D

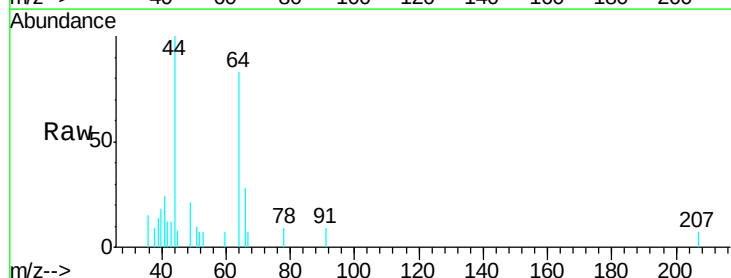
Acq: 27 Nov 2019 12:39

Tgt Ion: 64 Resp: 3548

Ion Ratio Lower Upper

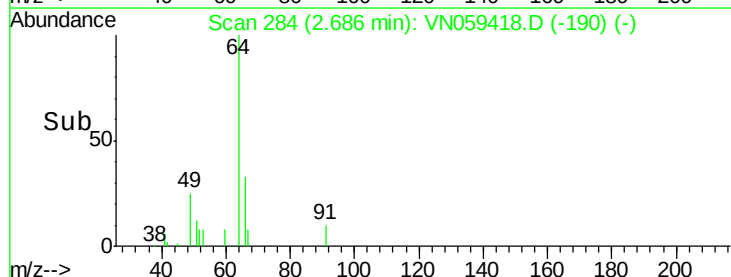
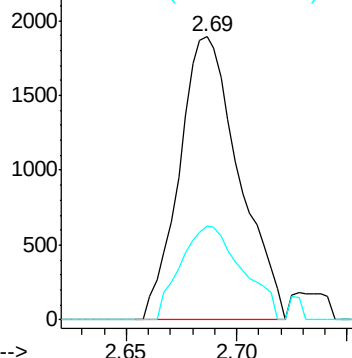
64 100

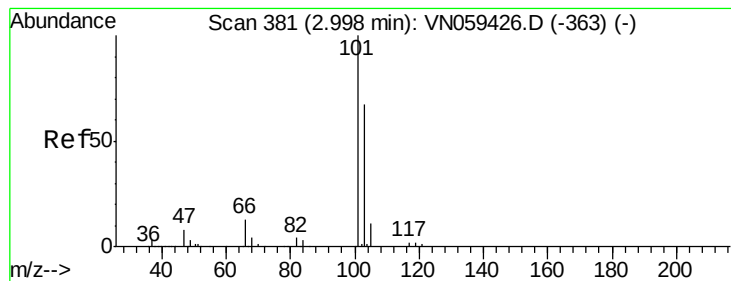
66 33.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



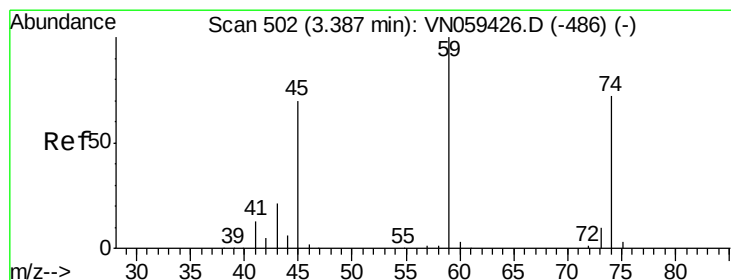
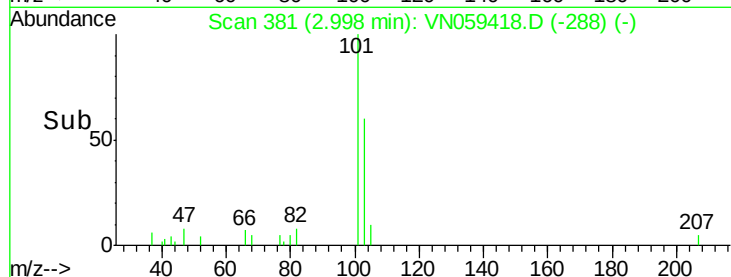
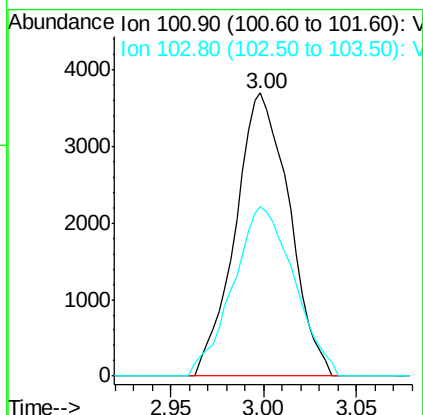
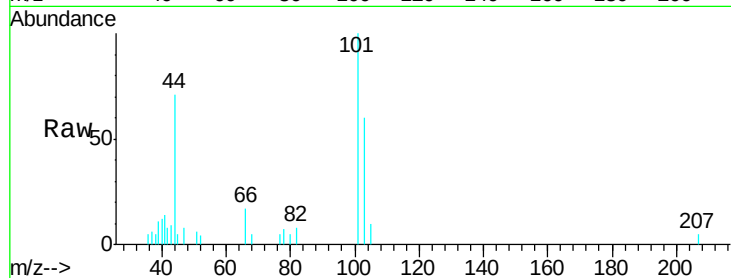


#7

Trichlorofluoromethane
Concen: 1.546 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

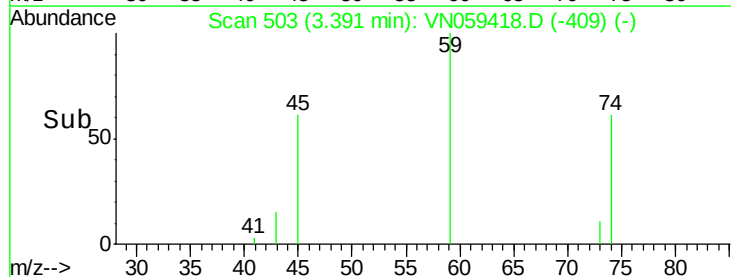
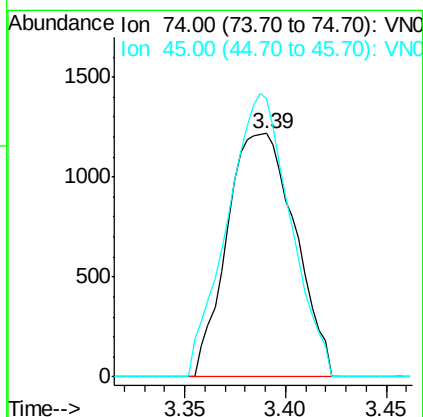
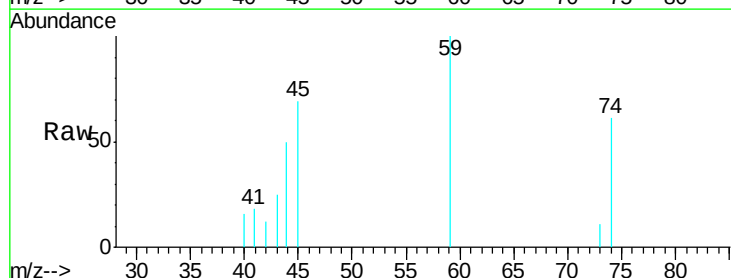
Tgt Ion: 101 Resp: 7469
Ion Ratio Lower Upper
101 100
103 59.7 53.6 80.4

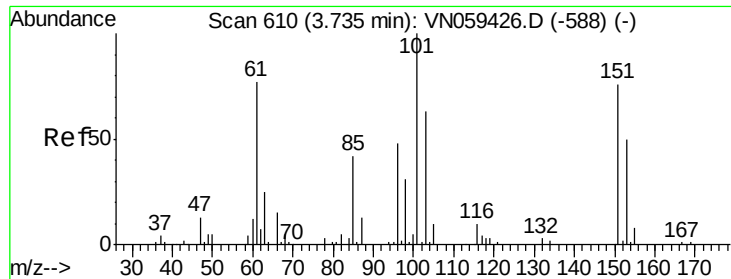


#8

Diethyl Ether
Concen: 1.456 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 74 Resp: 2863
Ion Ratio Lower Upper
74 100
45 107.6 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.573 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

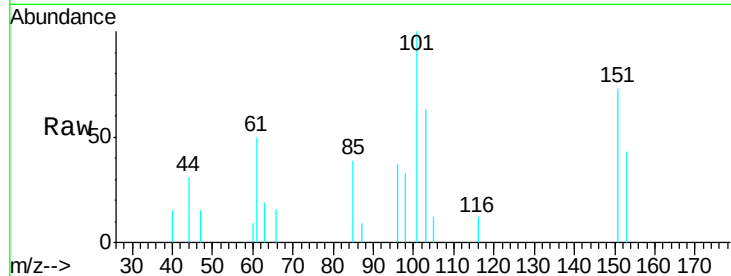
Tgt Ion:101 Resp: 4678

Ion Ratio Lower Upper

101 100

85 40.4 34.2 51.2

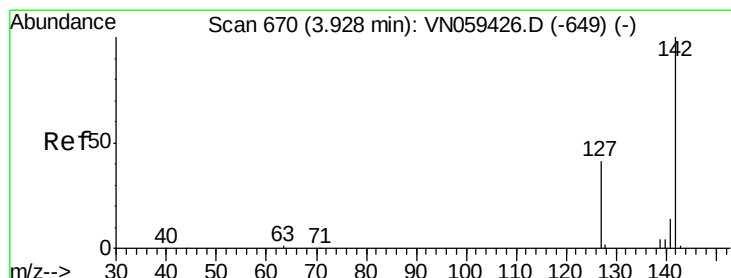
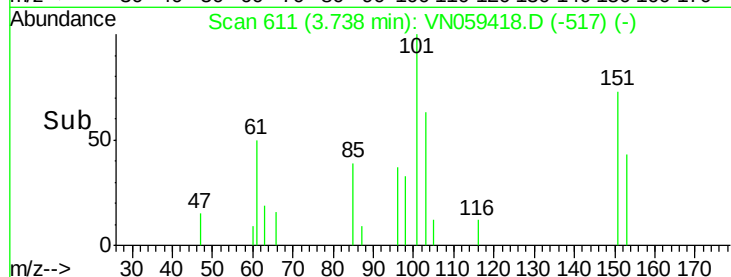
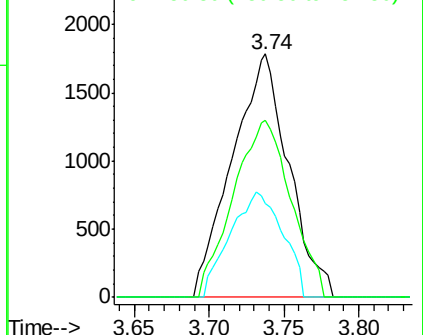
151 74.3 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.318 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

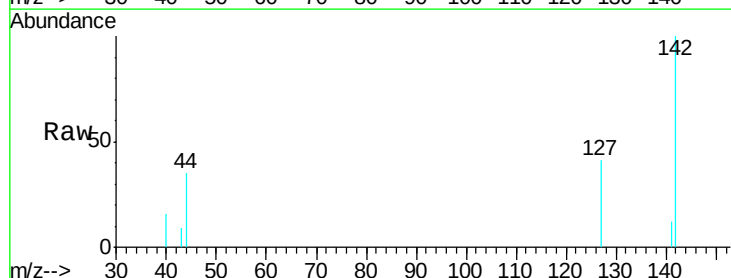
Tgt Ion:142 Resp: 5104

Ion Ratio Lower Upper

142 100

127 38.0 32.6 48.8

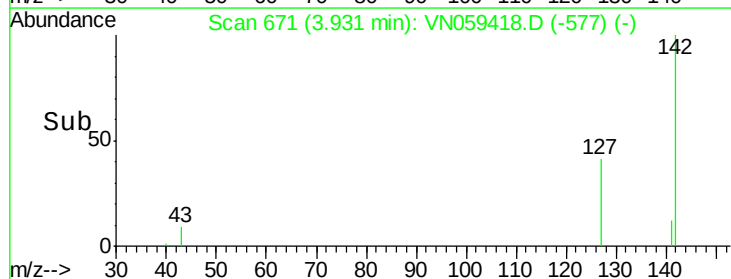
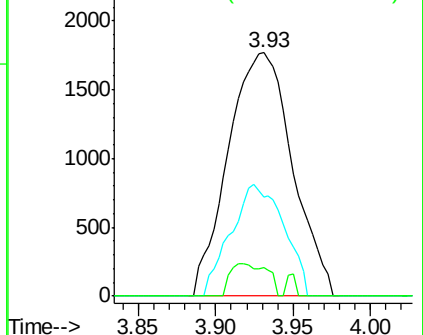
141 7.6 11.1 16.7#

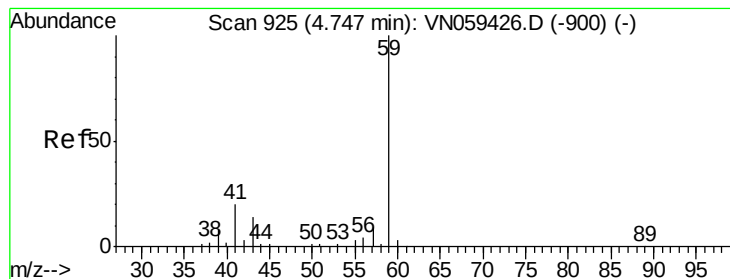


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



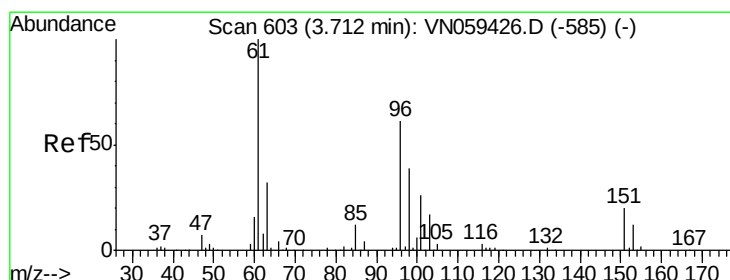
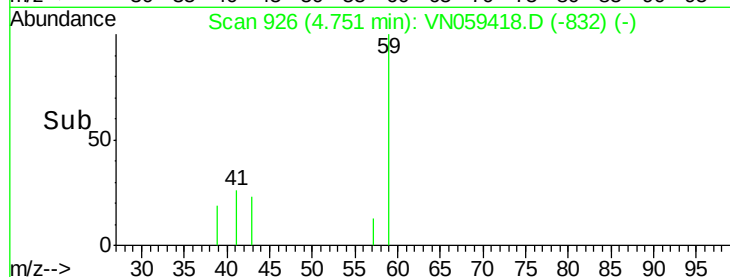
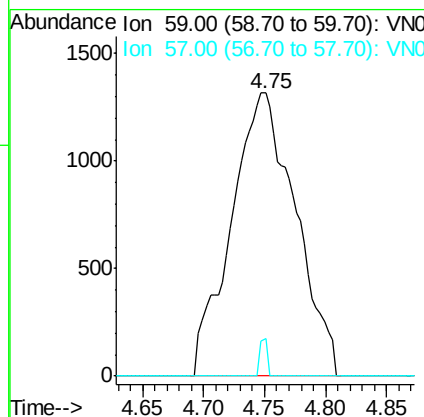
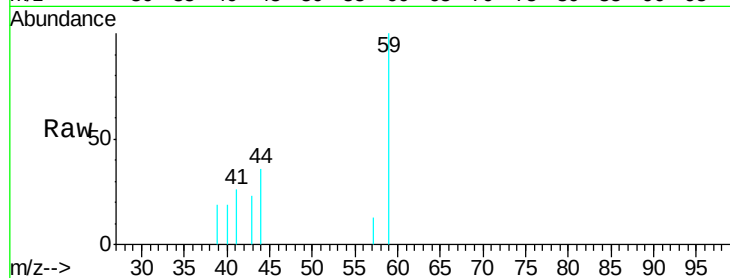


#11

Tert butyl alcohol
 Concen: 8.050 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

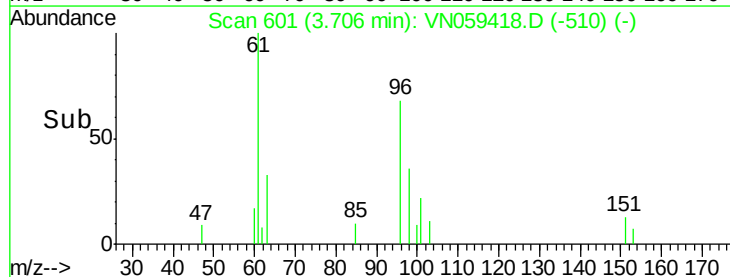
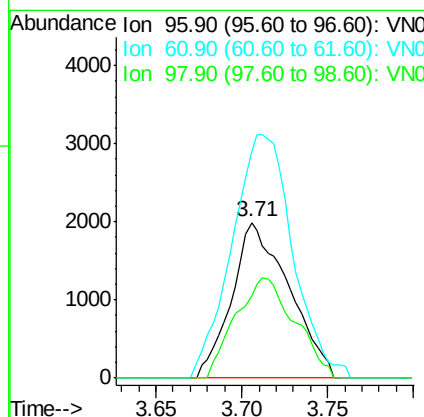
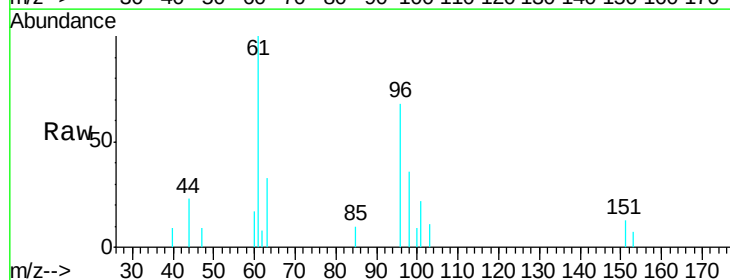
Tgt Ion: 59 Resp: 4795
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.8 5.8#

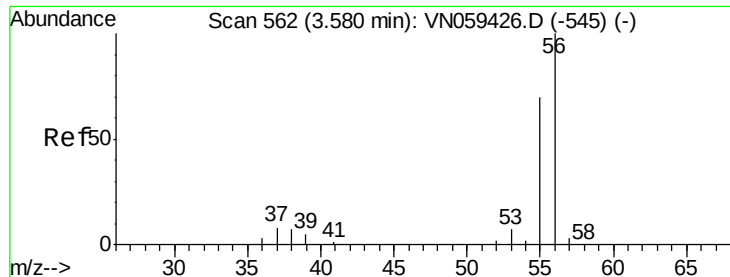


#12

1,1-Dichloroethene
 Concen: 1.585 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion: 96 Resp: 4618
 Ion Ratio Lower Upper
 96 100
 61 146.2 130.5 195.7
 98 52.6 51.3 76.9





#13

Acrolein

Concen: 7.204 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

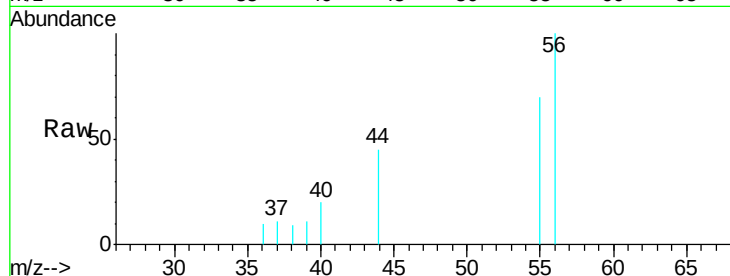
VSTDIC001

Tgt Ion: 56 Resp: 4189

Ion Ratio Lower Upper

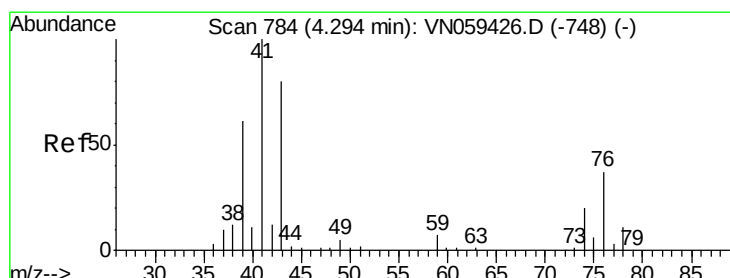
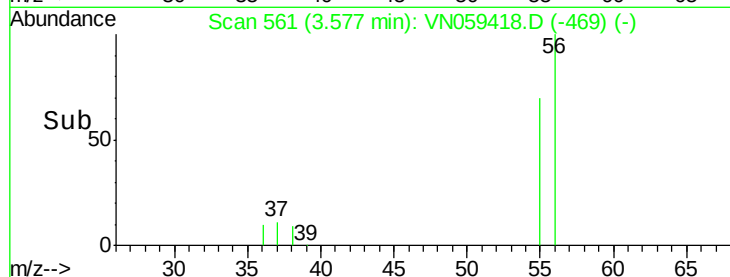
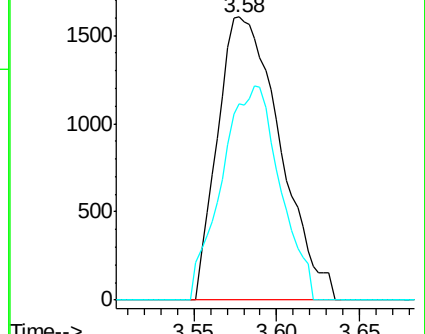
56 100

55 70.4 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.693 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

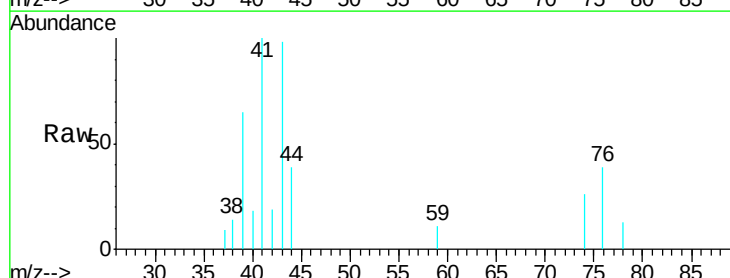
Tgt Ion: 41 Resp: 9149

Ion Ratio Lower Upper

41 100

39 62.3 46.5 69.7

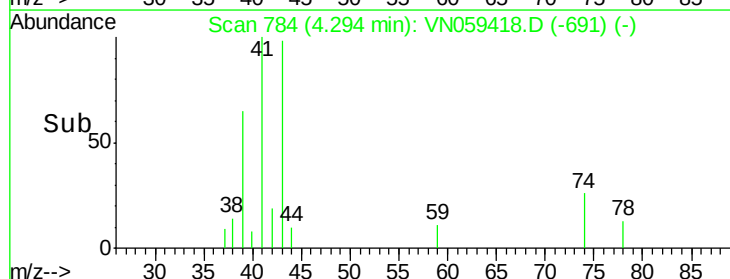
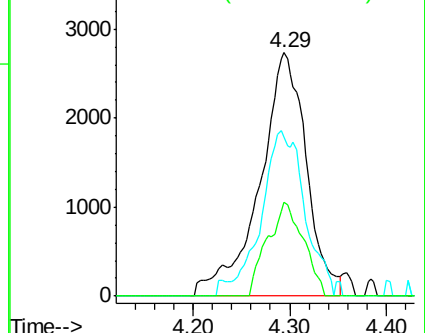
76 29.7 26.8 40.2

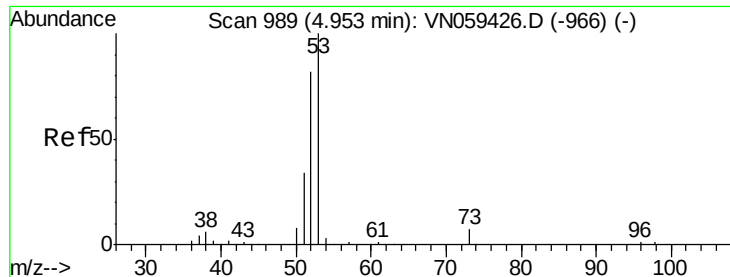


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 7.664 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

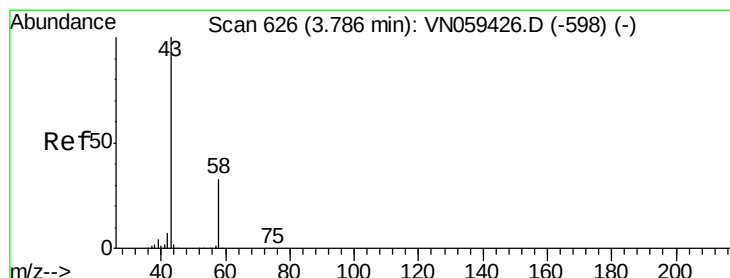
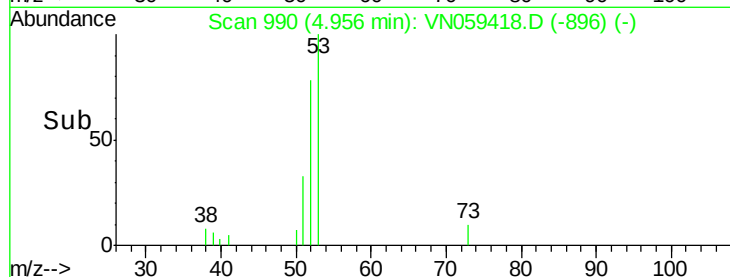
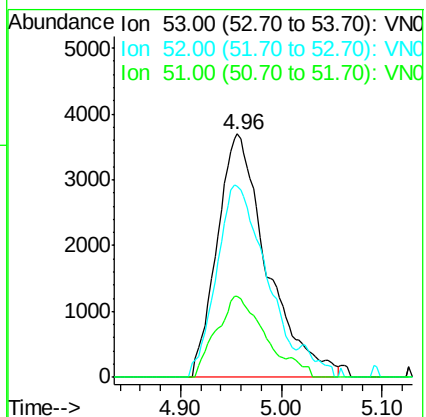
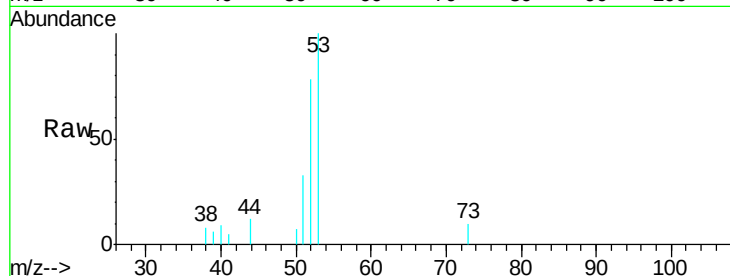
Tgt Ion: 53 Resp: 12720

Ion Ratio Lower Upper

53 100

52 76.9 65.1 97.7

51 32.8 27.8 41.8



#16

Acetone

Concen: 8.543 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059418.D

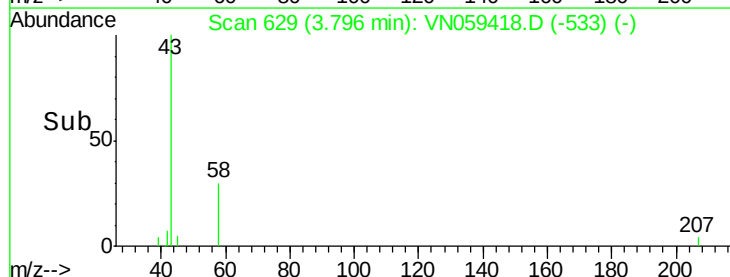
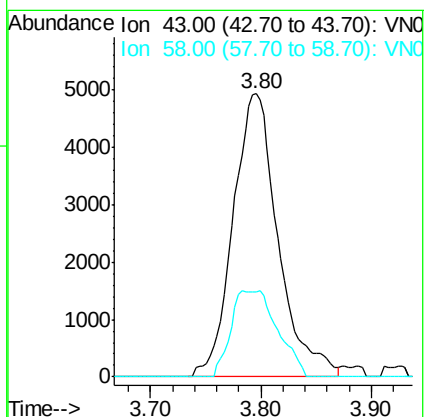
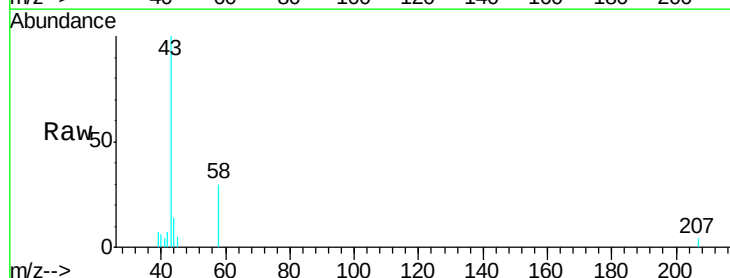
Acq: 27 Nov 2019 12:39

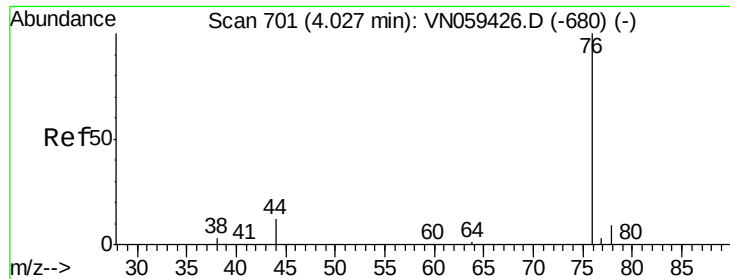
Tgt Ion: 43 Resp: 13994

Ion Ratio Lower Upper

43 100

58 30.2 26.6 39.8

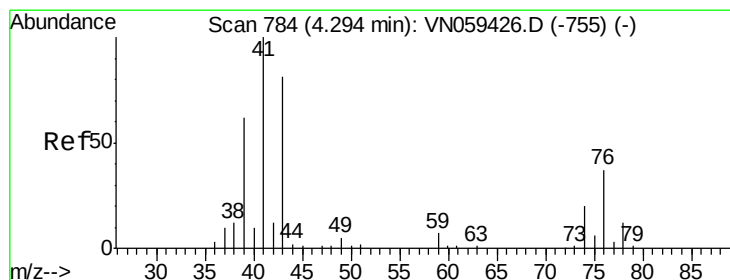
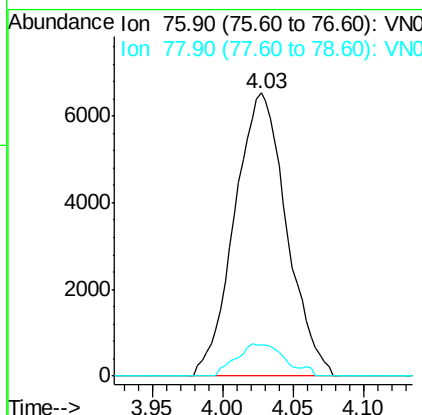
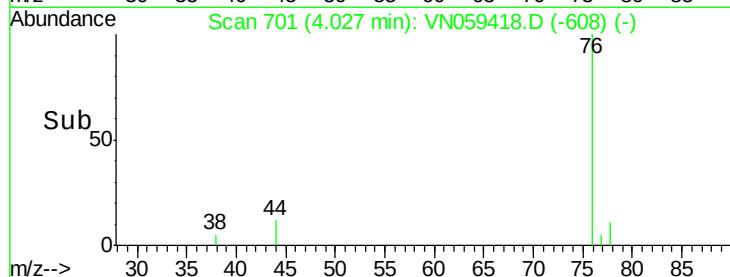
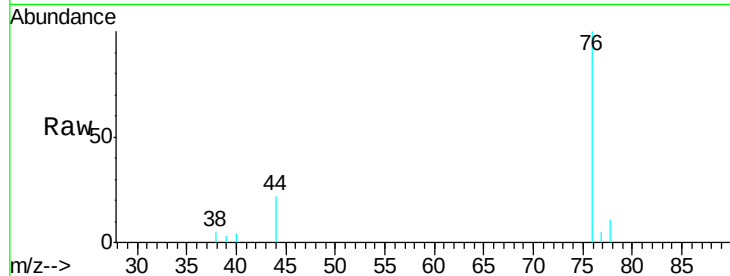




#17
Carbon Disulfide
Concen: 1.683 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

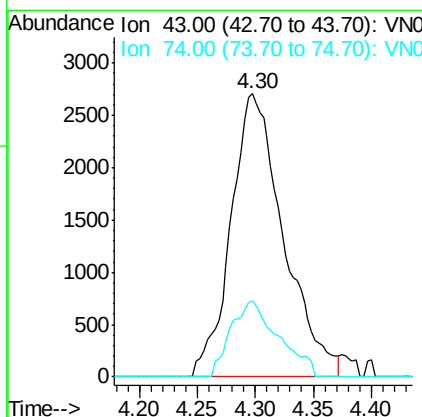
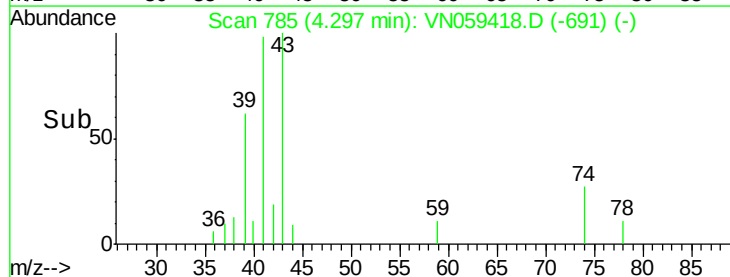
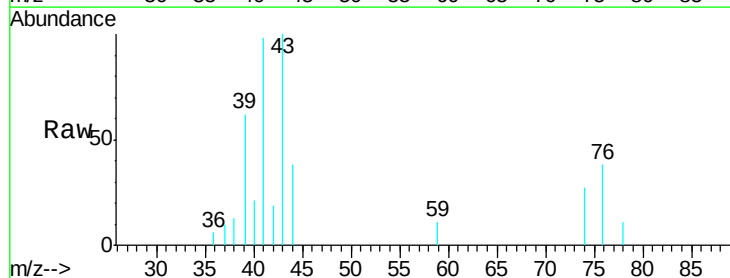
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

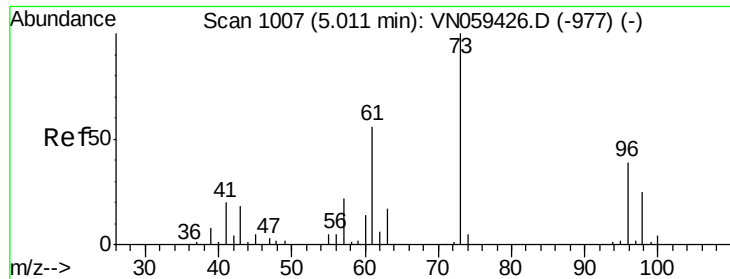
Tgt Ion: 76 Resp: 16827
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0



#18
Methyl Acetate
Concen: 1.916 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 43 Resp: 8546
Ion Ratio Lower Upper
43 100
74 24.3 18.6 28.0

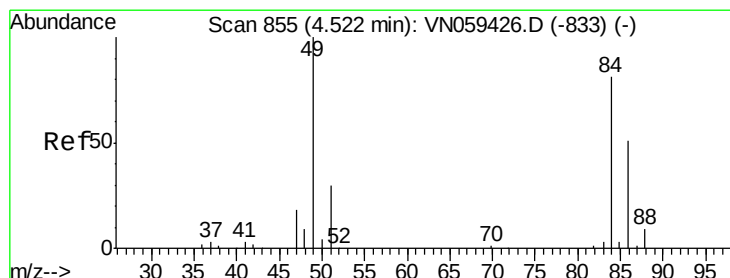
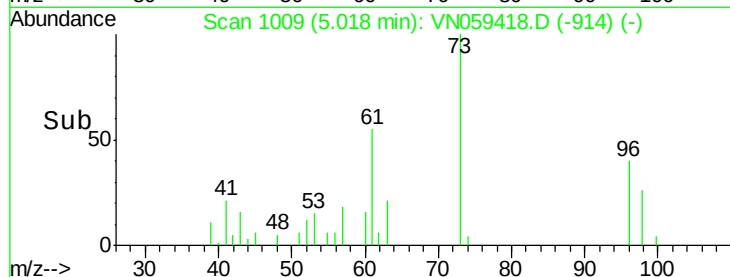
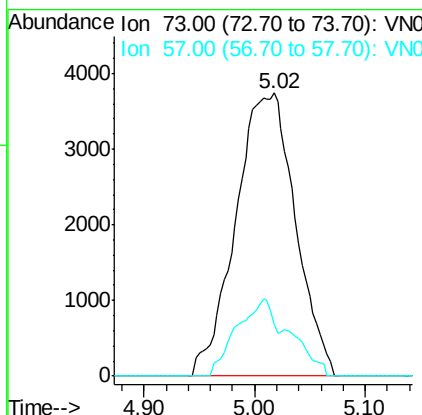
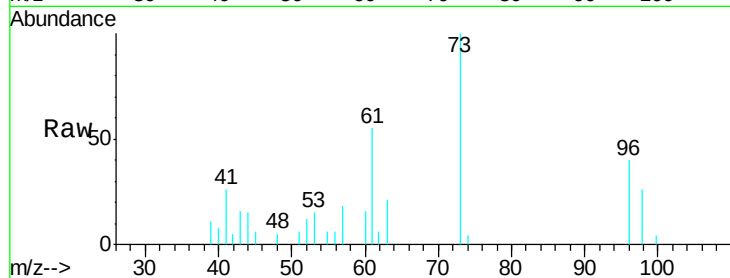




#19
Methyl tert-butyl Ether
Concen: 1.493 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

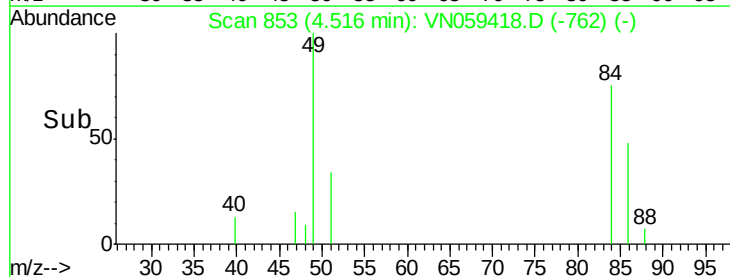
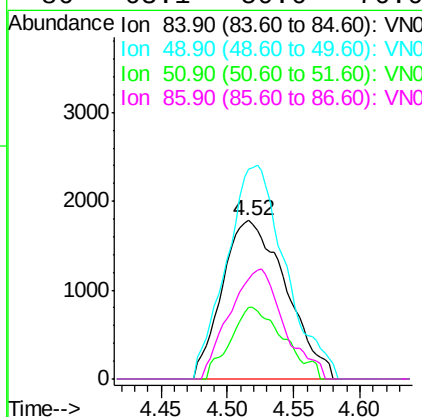
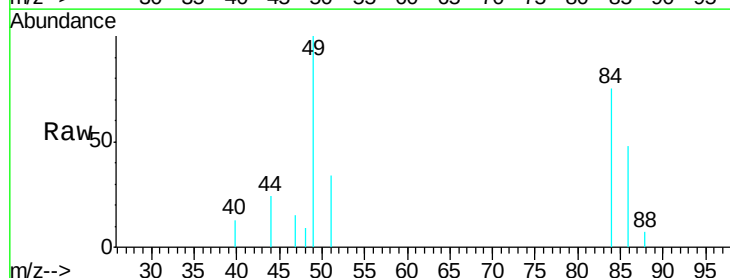
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

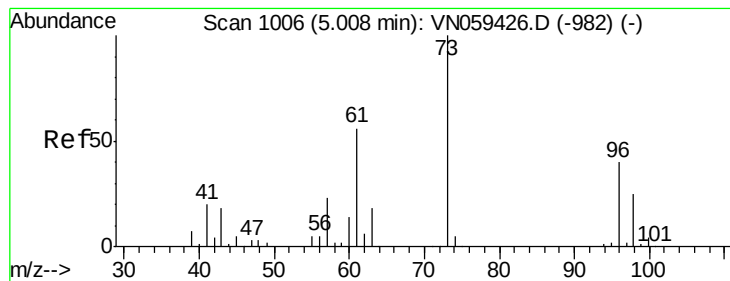
Tgt Ion: 73 Resp: 14016
Ion Ratio Lower Upper
73 100
57 18.5 17.7 26.5



#20
Methylene Chloride
Concen: 1.798 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 84 Resp: 5986
Ion Ratio Lower Upper
84 100
49 132.5 98.6 148.0
51 45.6 29.4 44.0#
86 63.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 1.577 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

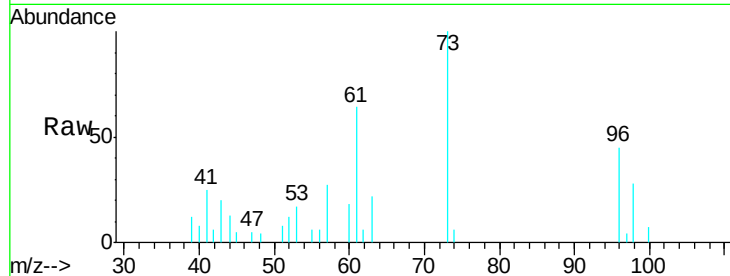
Tgt Ion: 96 Resp: 5007

Ion Ratio Lower Upper

96 100

61 141.3 114.0 171.0

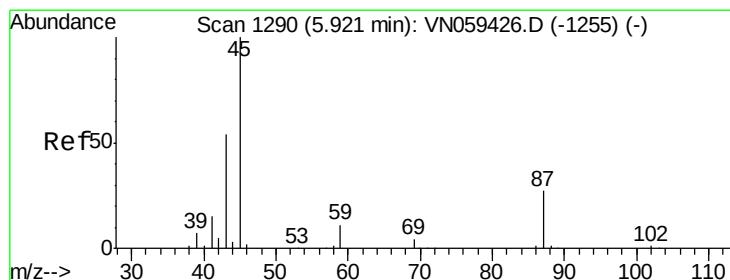
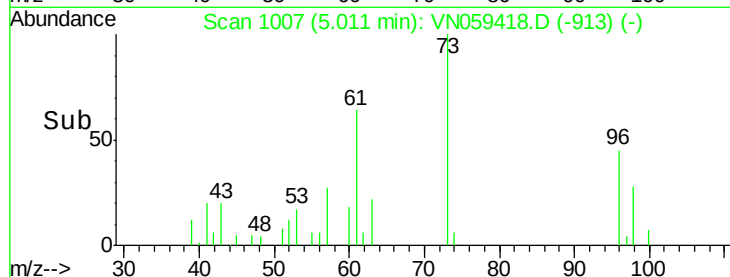
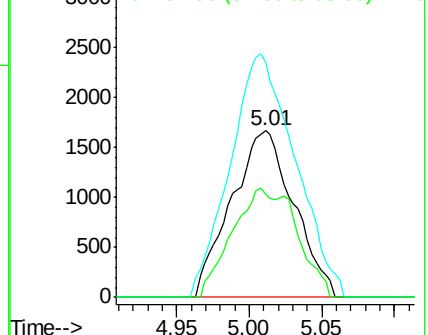
98 62.1 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 1.497 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Tgt Ion: 45 Resp: 15035

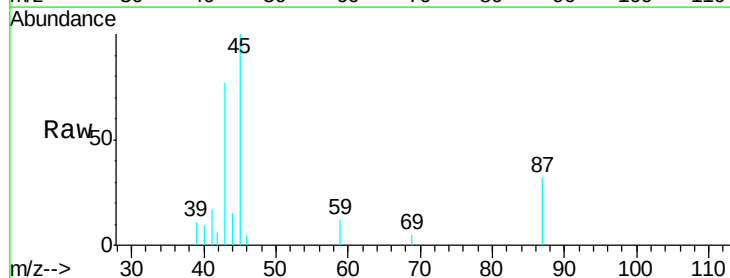
Ion Ratio Lower Upper

45 100

43 68.4 46.3 69.5

87 32.0 21.8 32.6

59 12.1 9.0 13.4

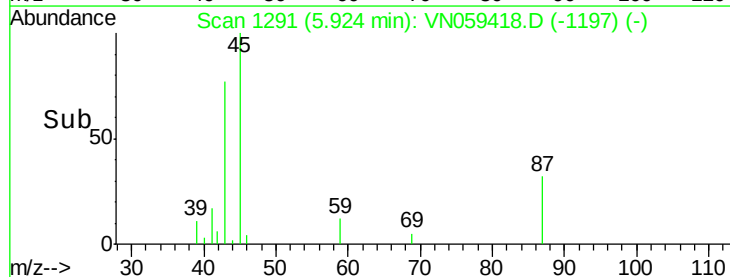
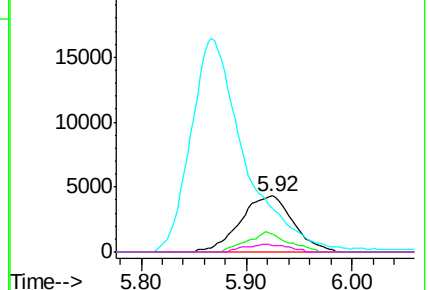


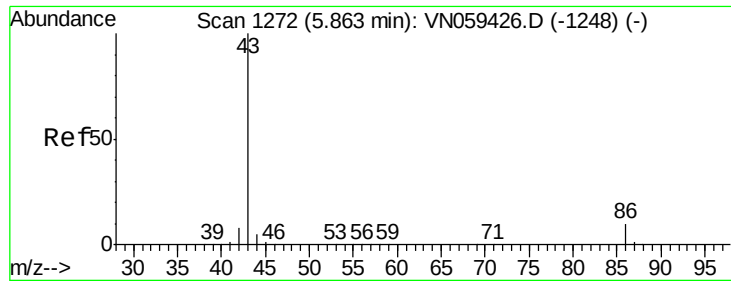
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 7.214 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

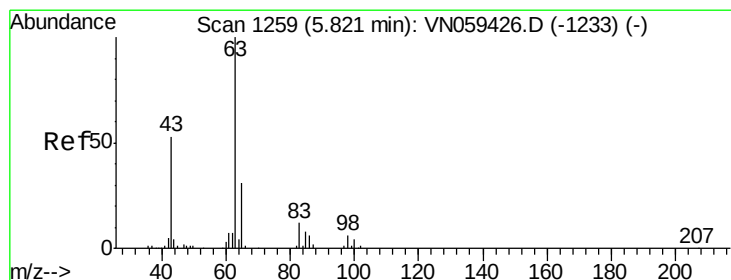
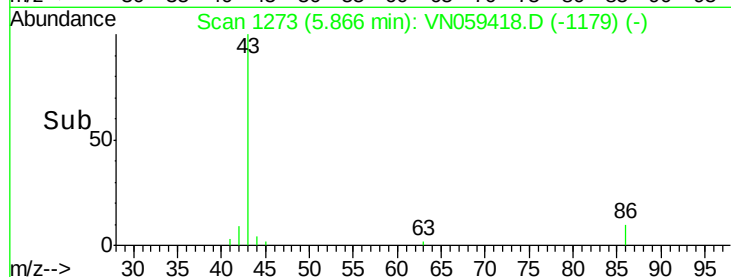
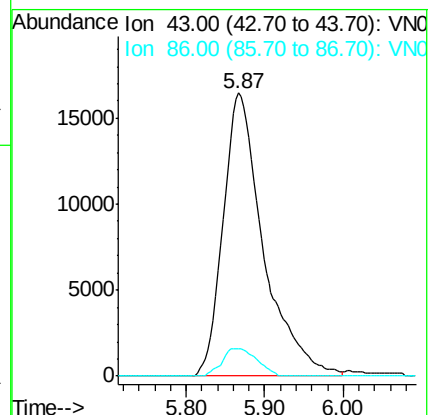
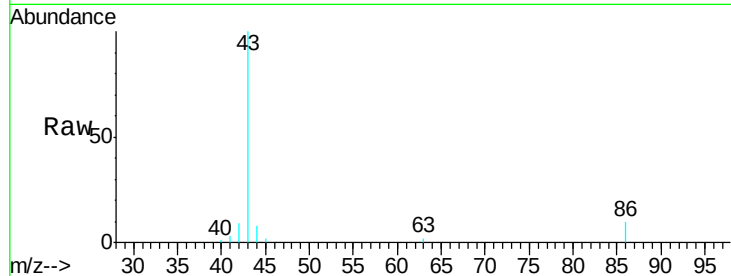
VSTDIC001

Tgt Ion: 43 Resp: 58435

Ion Ratio Lower Upper

43 100

86 9.6 8.2 12.4



#24

1,1-Dichloroethane

Concen: 1.670 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

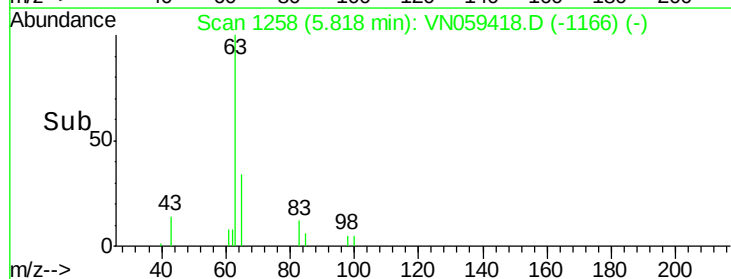
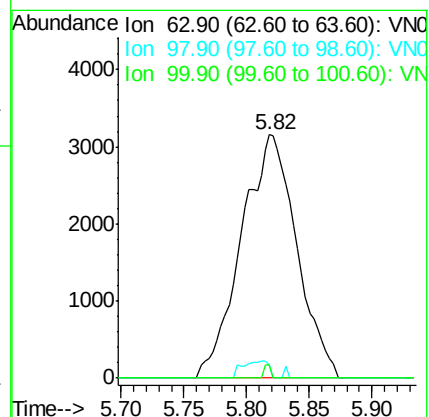
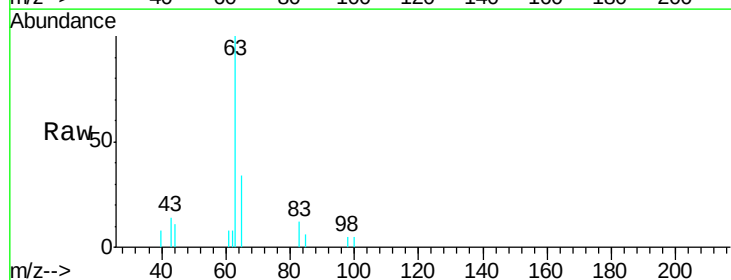
Tgt Ion: 63 Resp: 9650

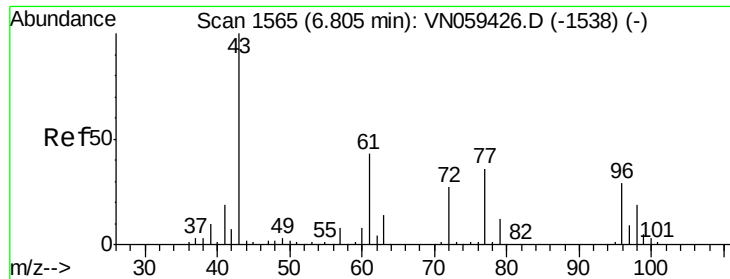
Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

100 5.4 2.1 6.3





#25

2-Butanone

Concen: 7.334 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

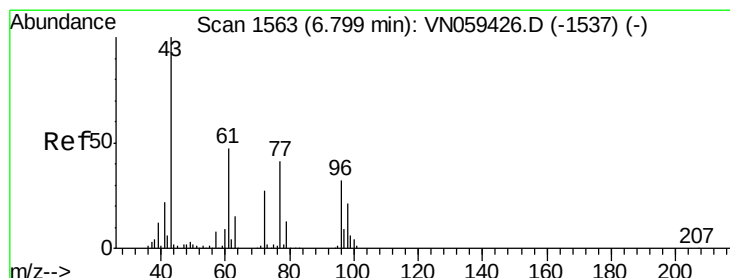
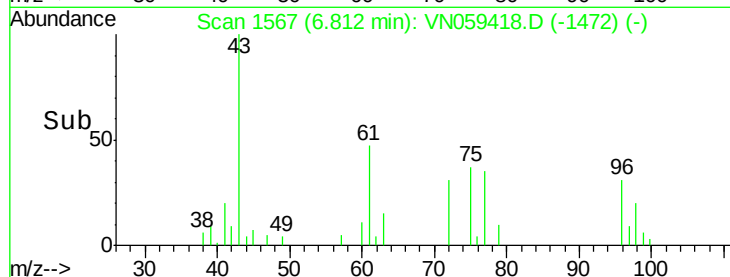
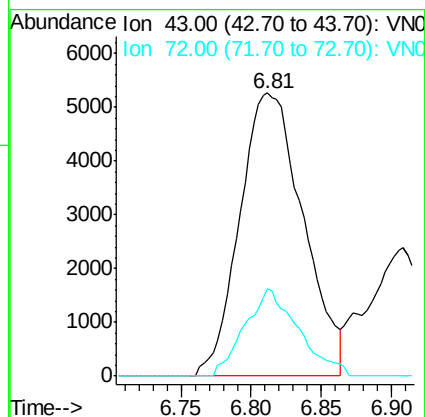
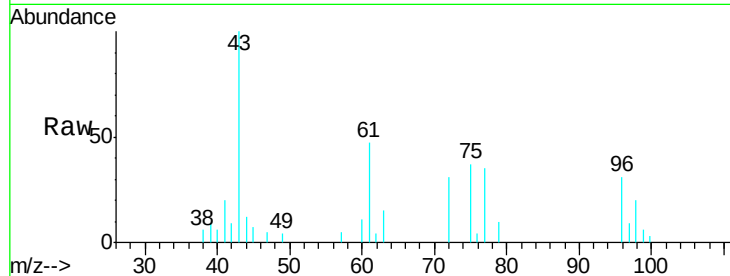
VSTDIC001

Tgt Ion: 43 Resp: 16526

Ion Ratio Lower Upper

43 100

72 30.9 21.4 32.2



#26

2,2-Dichloropropane

Concen: 1.606 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059418.D

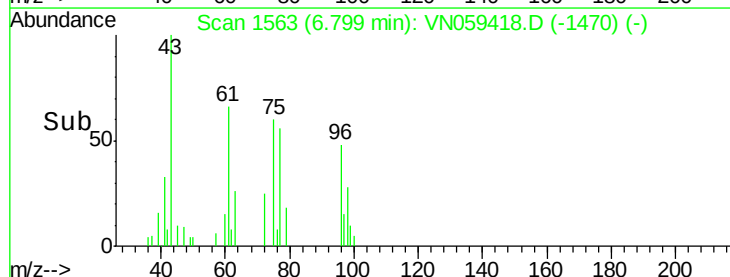
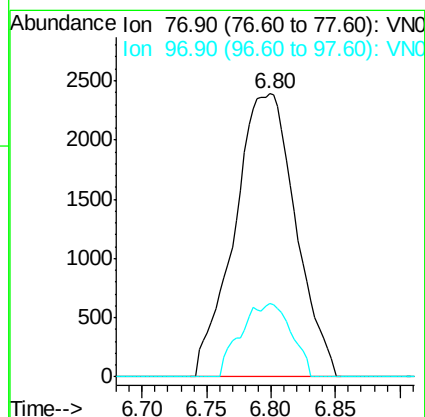
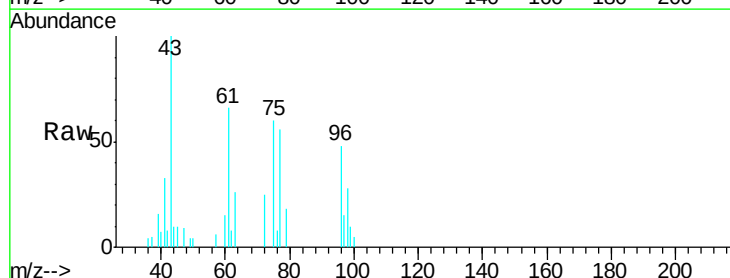
Acq: 27 Nov 2019 12:39

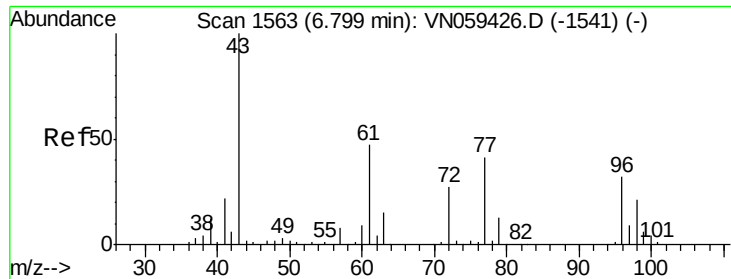
Tgt Ion: 77 Resp: 7898

Ion Ratio Lower Upper

77 100

97 21.4 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 1.652 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

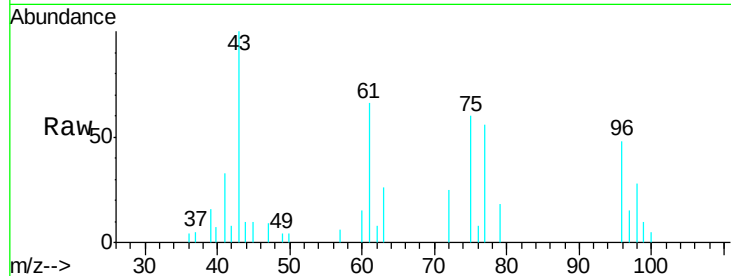
Tgt Ion: 96 Resp: 5736

Ion Ratio Lower Upper

96 100

61 145.9 0.0 297.6

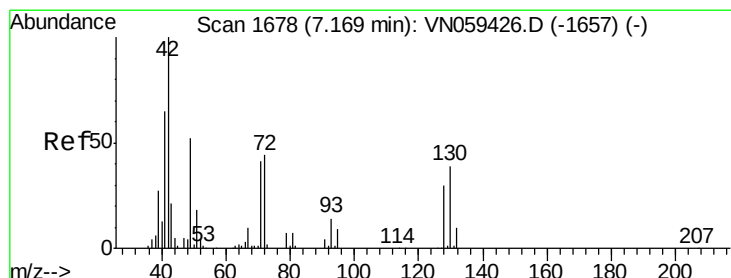
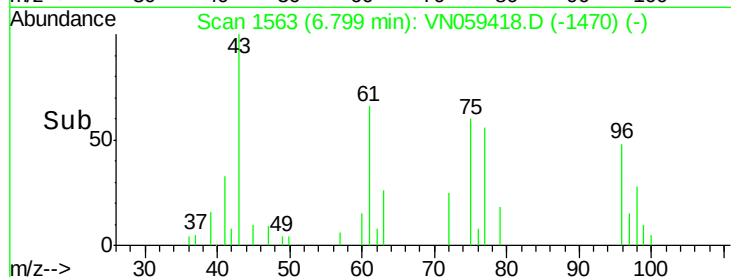
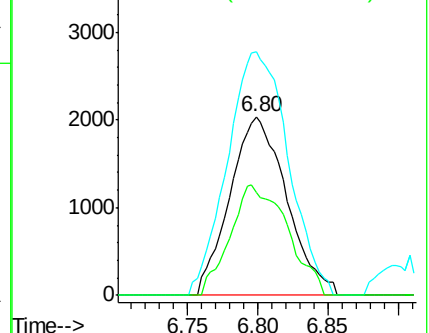
98 62.1 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VN059418.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059418.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059418.D (-1470) (-)



#28

Bromochloromethane

Concen: 0.649 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

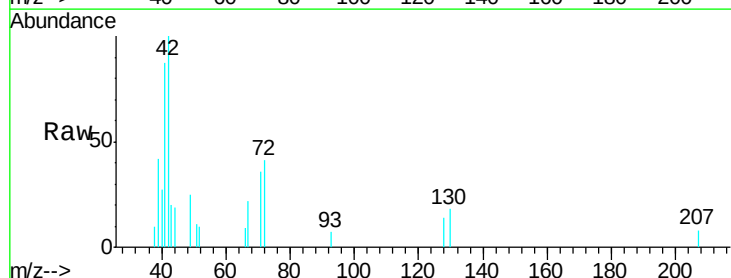
Tgt Ion: 49 Resp: 1296

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

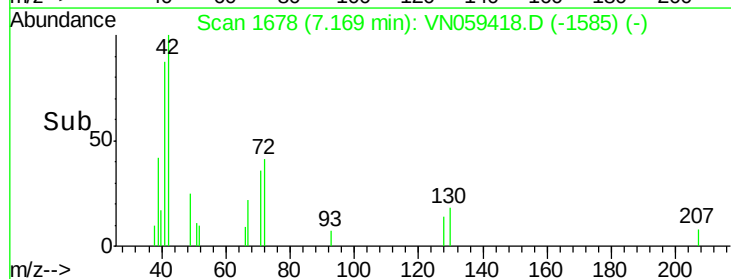
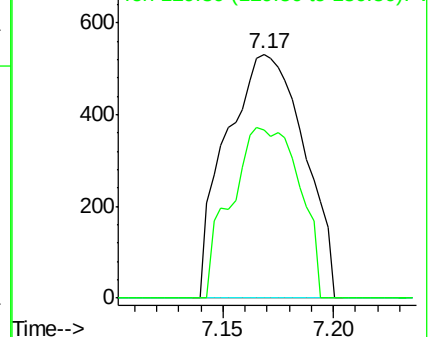
130 61.4 60.5 90.7

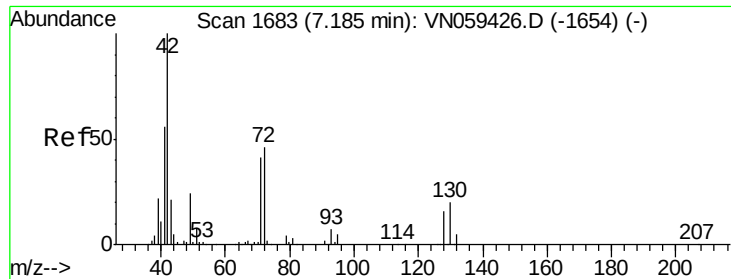


Abundance Ion 48.90 (48.60 to 49.60): VN059418.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059418.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059418.D (-1585) (-)

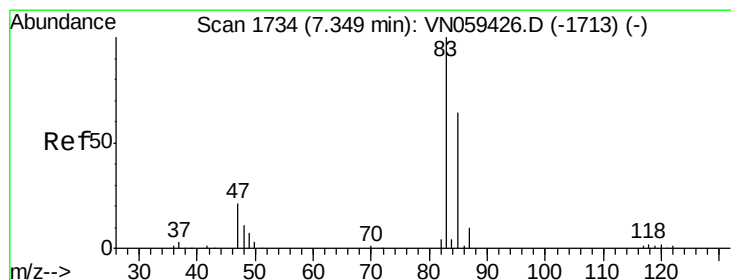
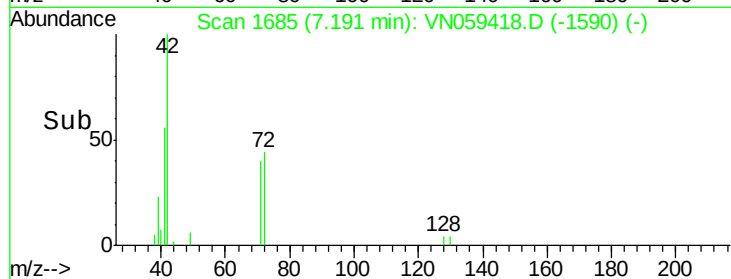
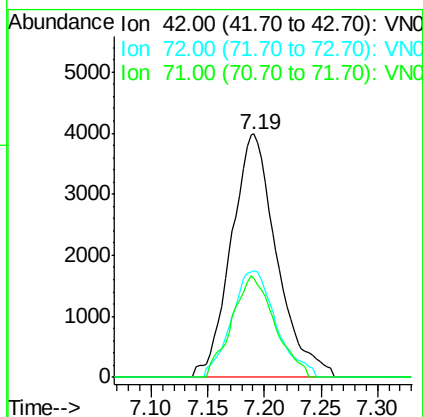
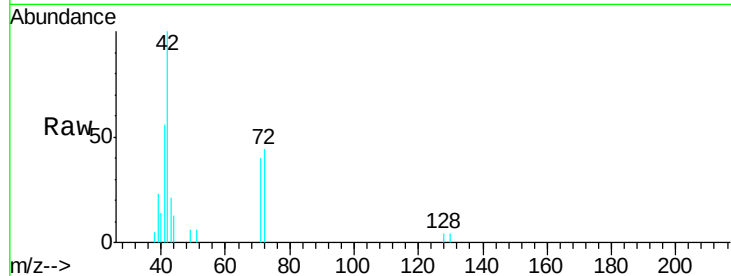




#29
Tetrahydrofuran
Concen: 7.450 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

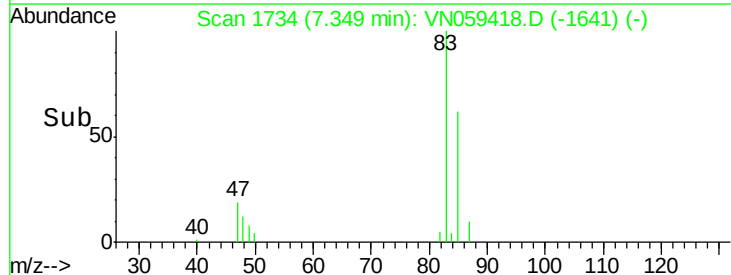
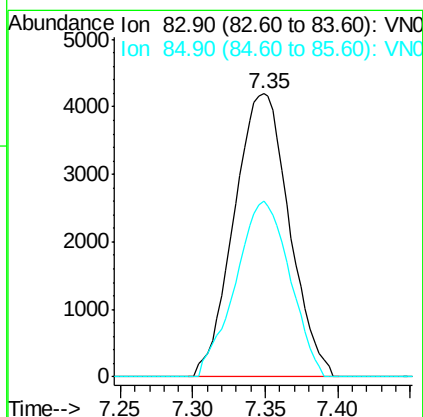
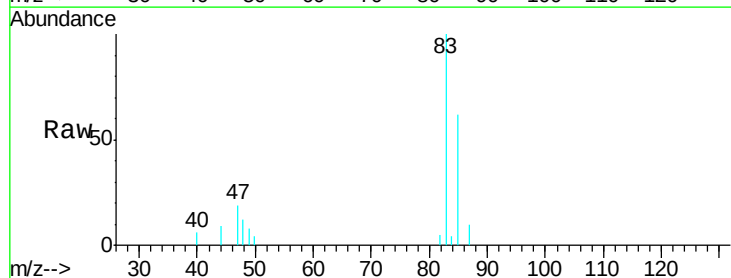
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

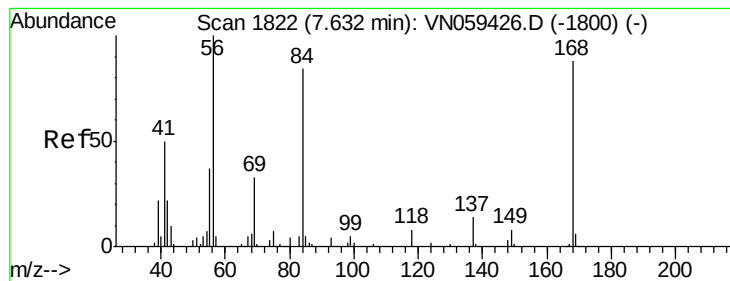
Tgt Ion: 42 Resp: 11166
Ion Ratio Lower Upper
42 100
72 42.9 34.6 51.8
71 39.1 33.0 49.6



#30
Chloroform
Concen: 1.912 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 83 Resp: 11113
Ion Ratio Lower Upper
83 100
85 62.1 51.6 77.4





#31

Cyclohexane

Concen: 2.320 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

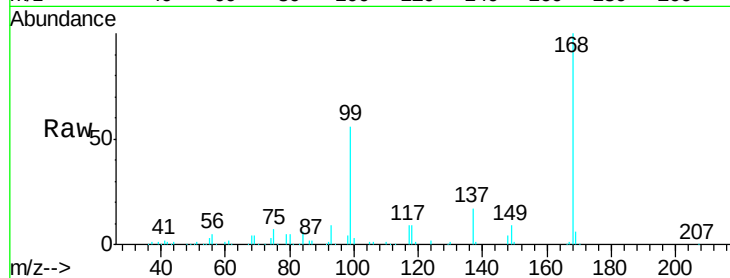
Tgt Ion: 56 Resp: 13434

Ion Ratio Lower Upper

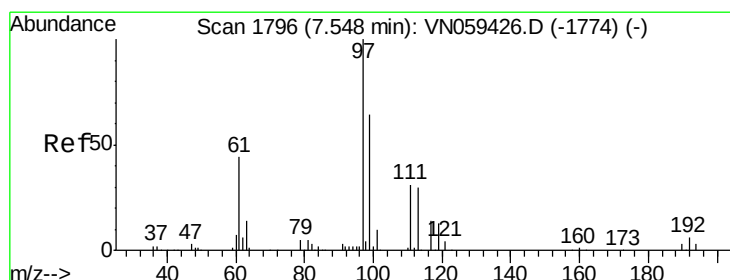
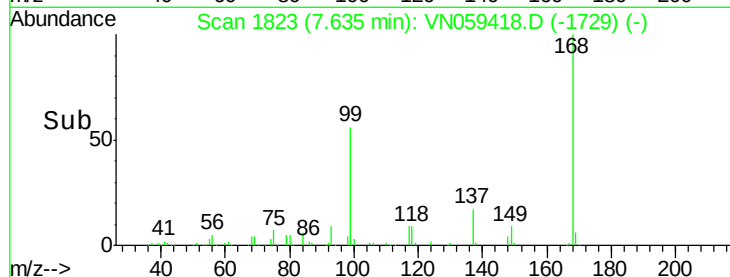
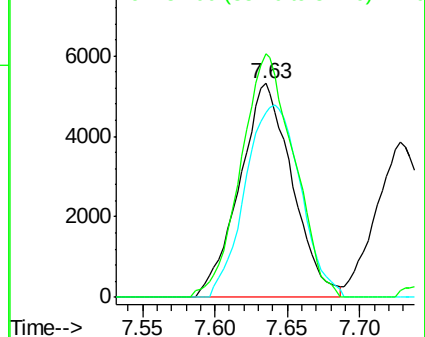
56 100

69 86.1 26.4 39.6#

84 113.9 67.0 100.6#



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



#32

1,1,1-Trichloroethane

Concen: 1.559 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

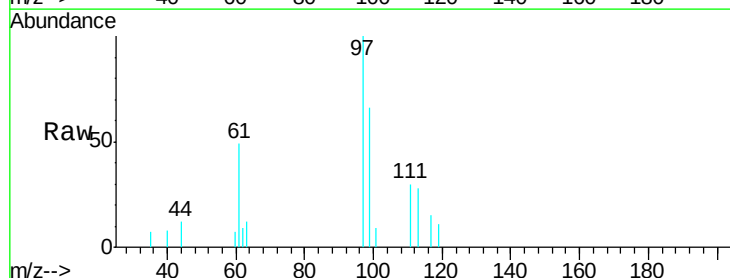
Tgt Ion: 97 Resp: 7412

Ion Ratio Lower Upper

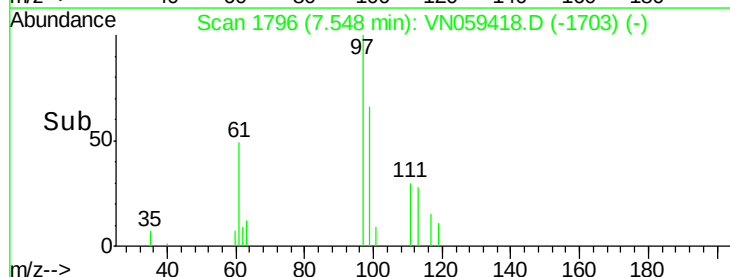
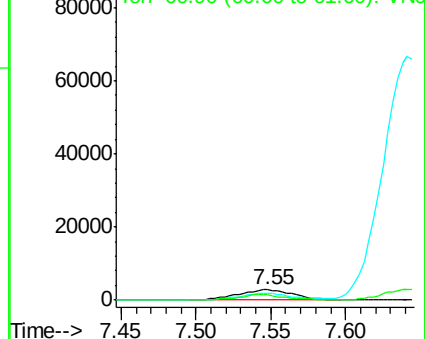
97 100

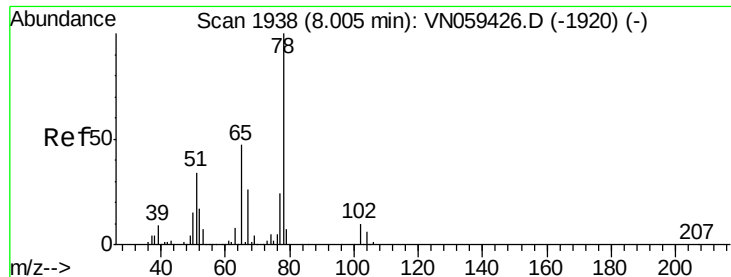
99 63.6 50.9 76.3

61 45.3 34.3 51.5



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

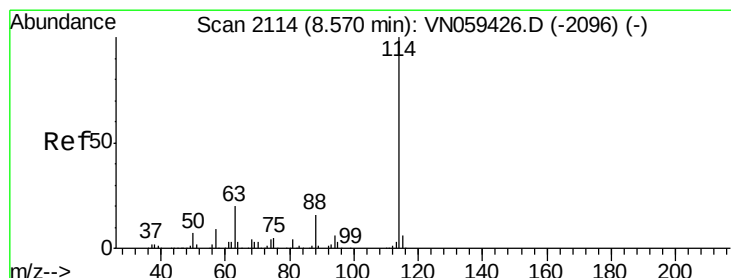
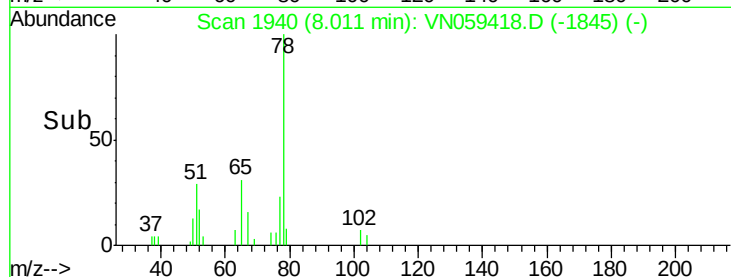
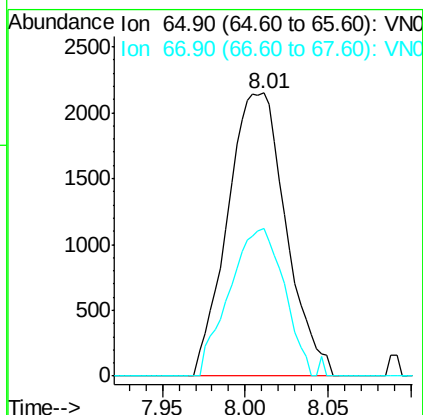
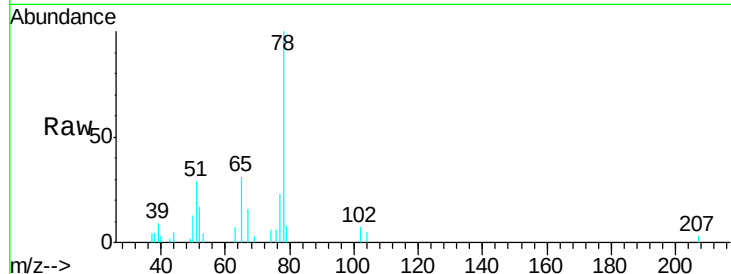




#33
 1,2-Dichloroethane-d4
 Concen: 1.534 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.01 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

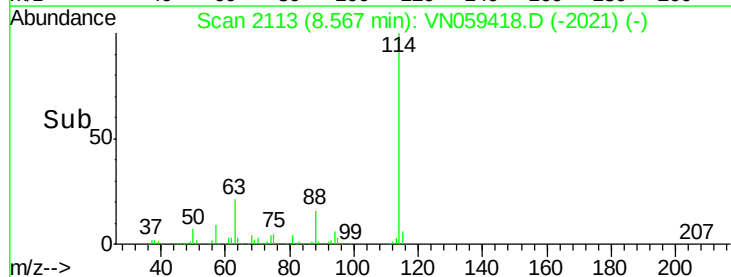
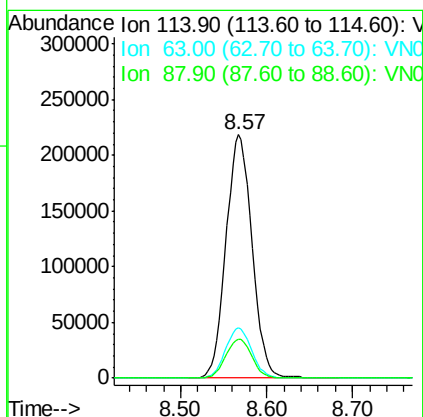
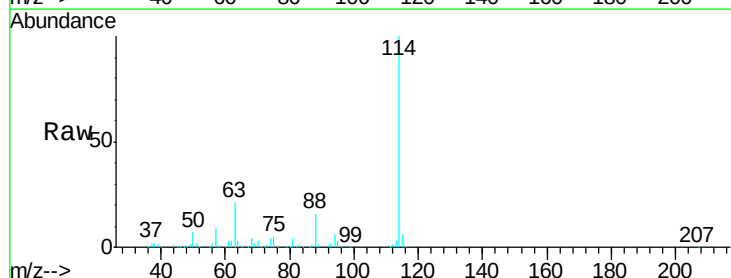
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

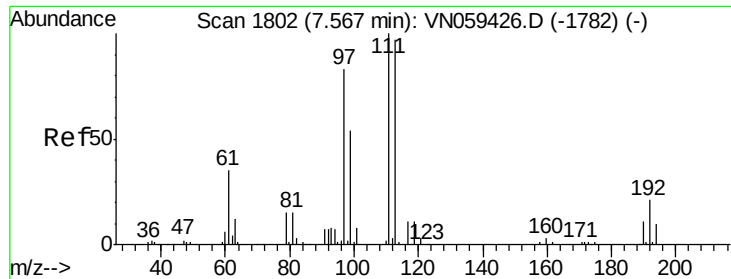
Tgt Ion: 65 Resp: 5274
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion: 114 Resp: 459546
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 16.1 0.0 32.2

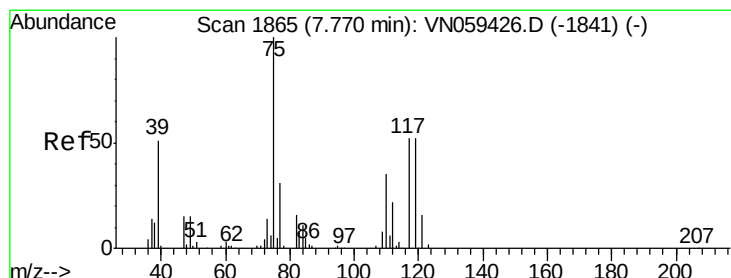
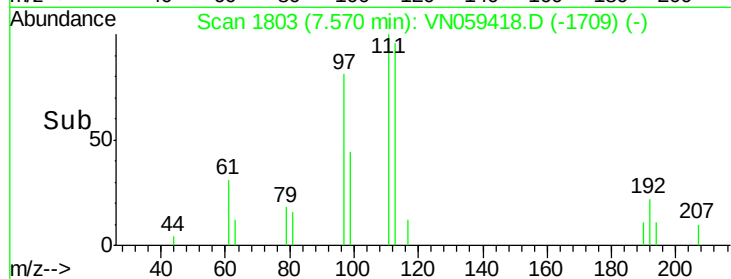
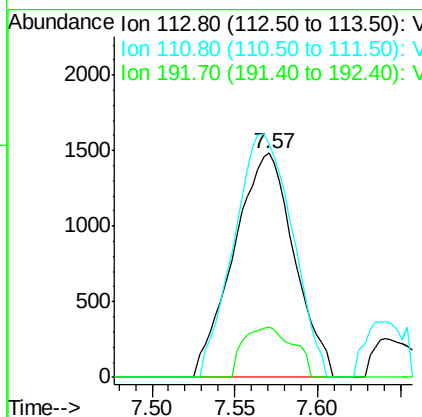
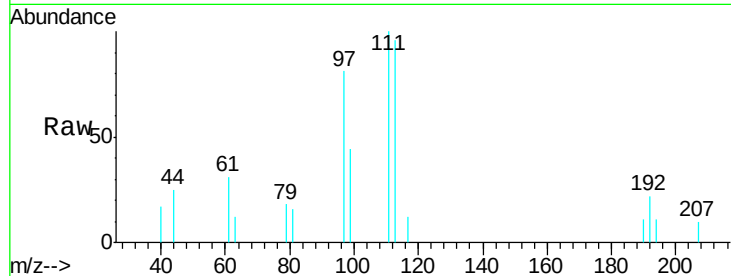




#35
 Dibromofluoromethane
 Concen: 1.344 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

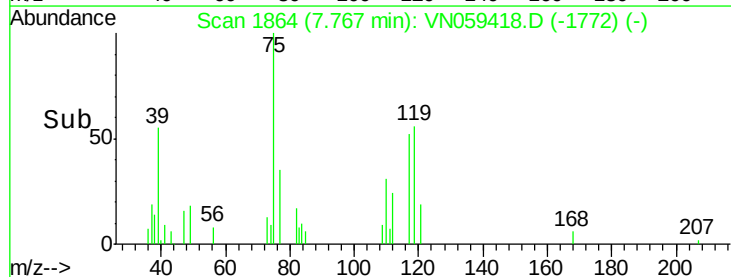
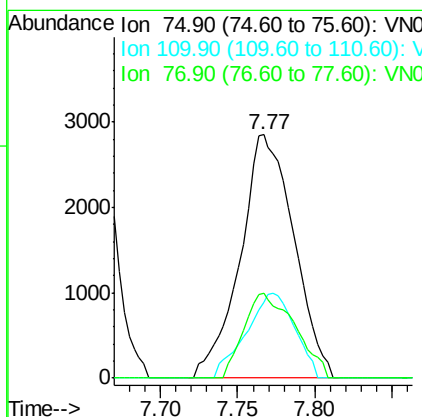
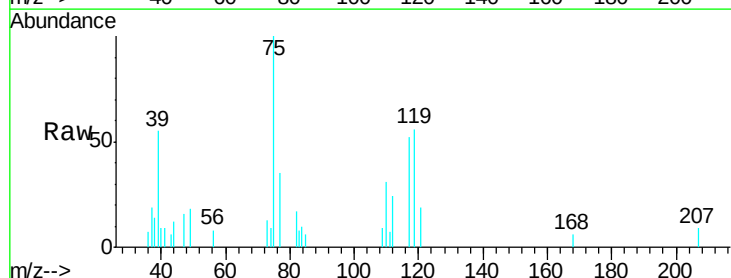
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

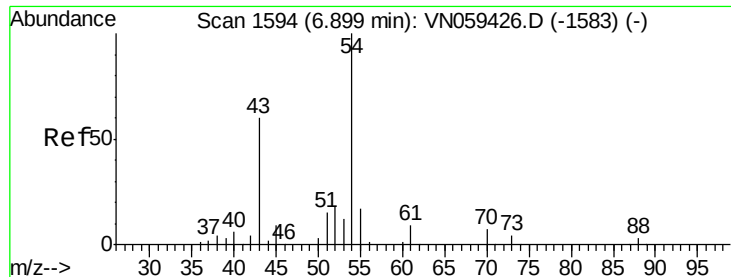
Tgt Ion: 113 Resp: 3761
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.9 122.9
 192 18.5 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 1.557 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion: 75 Resp: 6881
 Ion Ratio Lower Upper
 75 100
 110 31.6 17.3 52.0
 77 33.0 24.9 37.3

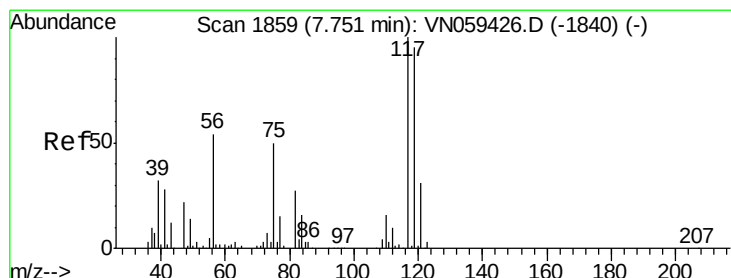
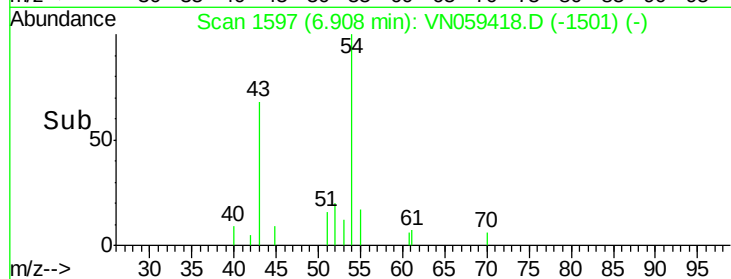
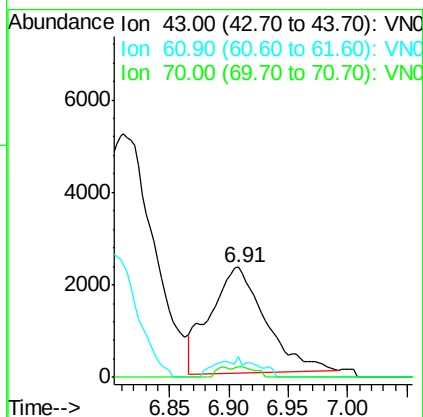
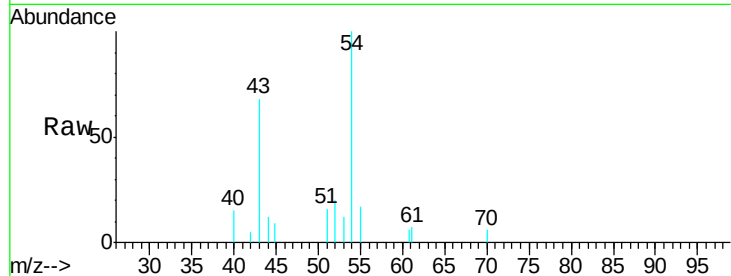




#37
 Ethyl Acetate
 Concen: 1.572 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

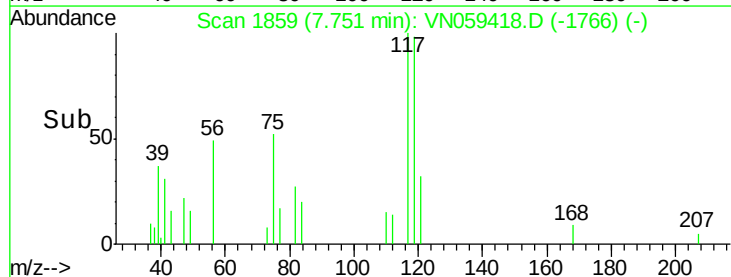
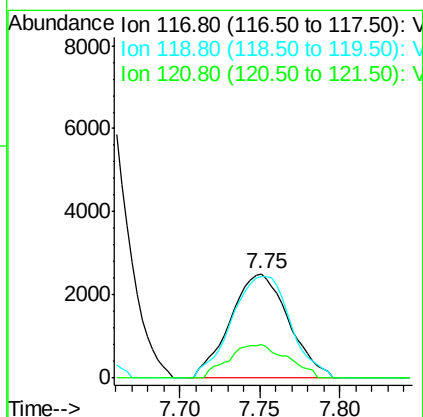
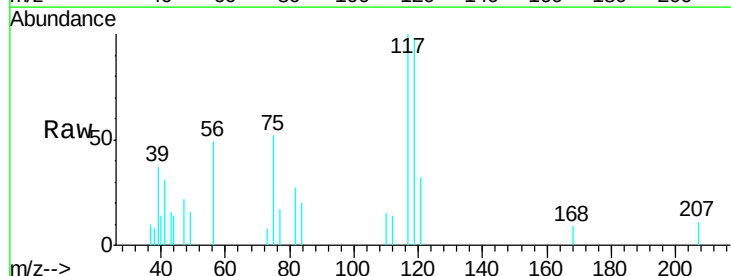
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

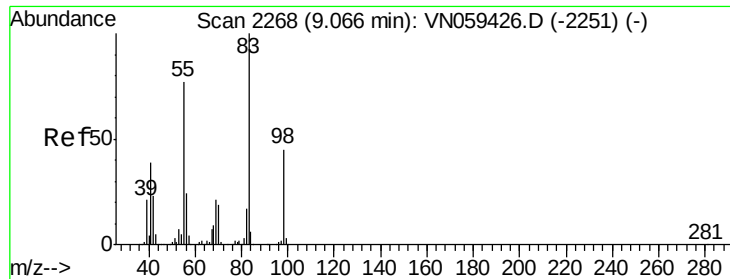
Tgt Ion: 43 Resp: 7351
 Ion Ratio Lower Upper
 43 100
 61 6.6 12.2 18.2#
 70 2.5 8.8 13.2#



#38
 Carbon Tetrachloride
 Concen: 1.502 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion: 117 Resp: 6263
 Ion Ratio Lower Upper
 117 100
 119 97.9 75.9 113.9
 121 32.0 24.6 36.8





#39

Methylcyclohexane

Concen: 1.566 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

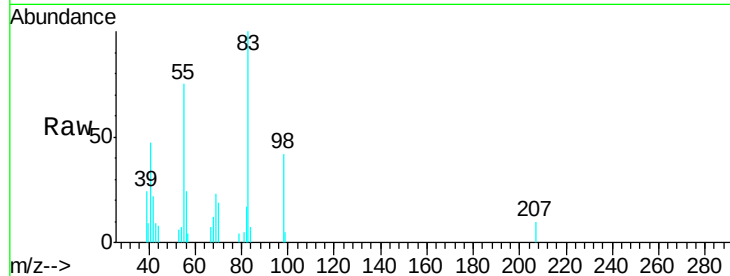
Tgt Ion: 83 Resp: 8282

Ion Ratio Lower Upper

83 100

55 74.8 61.6 92.4

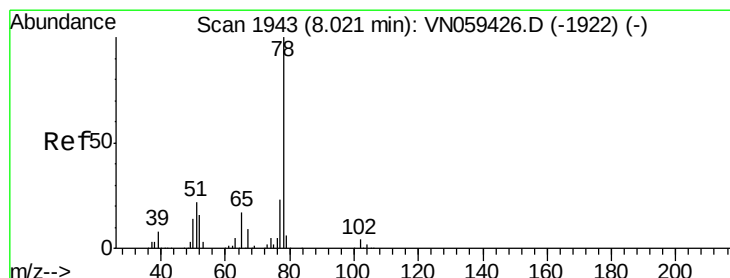
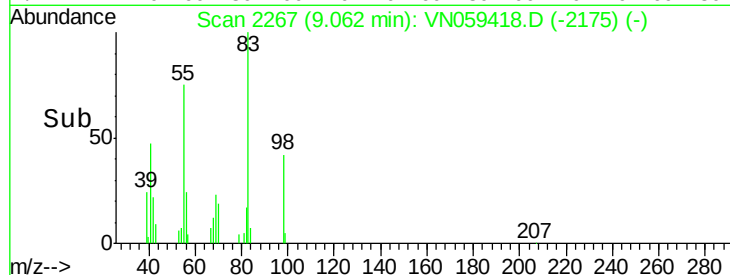
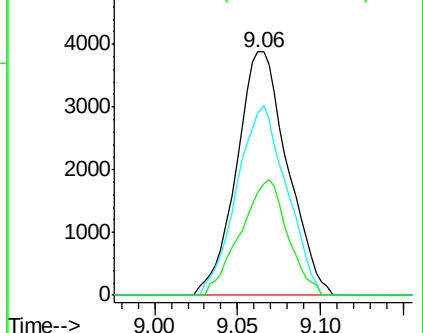
98 42.2 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN059418.D (-2175) (-)

Ion 55.00 (54.70 to 55.70): VN059418.D (-2175) (-)

Ion 98.00 (97.70 to 98.70): VN059418.D (-2175) (-)



#40

Benzene

Concen: 1.608 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059418.D

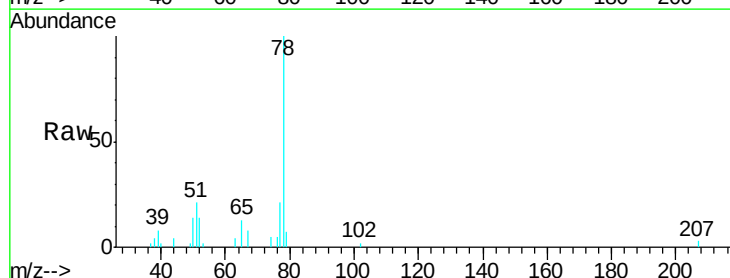
Acq: 27 Nov 2019 12:39

Tgt Ion: 78 Resp: 21095

Ion Ratio Lower Upper

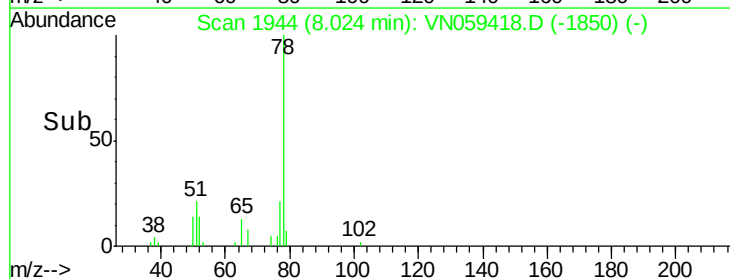
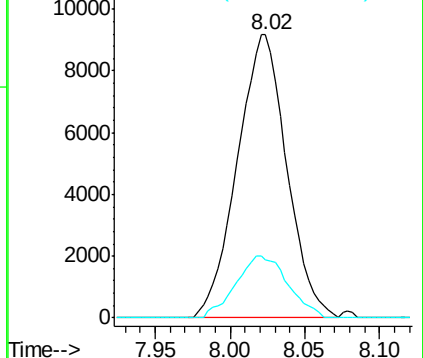
78 100

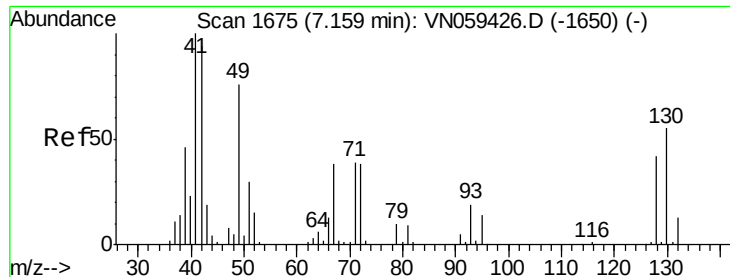
77 20.7 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN059418.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN059418.D (-1850) (-)





#41

Methacrylonitrile

Concen: 1.002 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.02 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 41 Resp: 2213

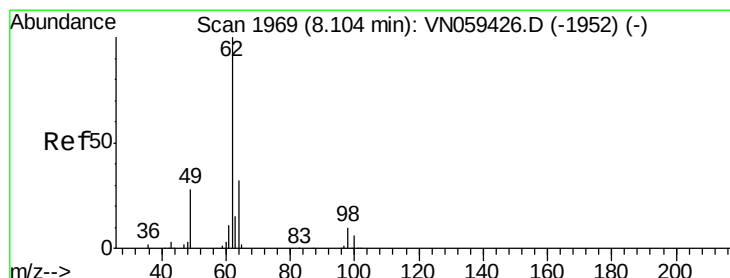
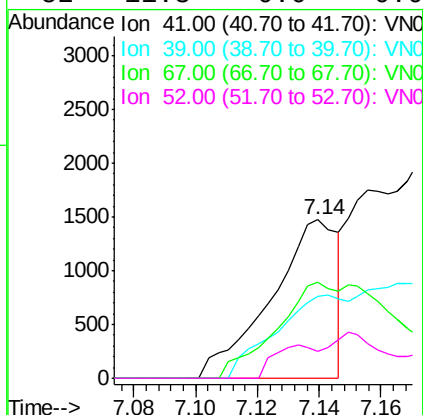
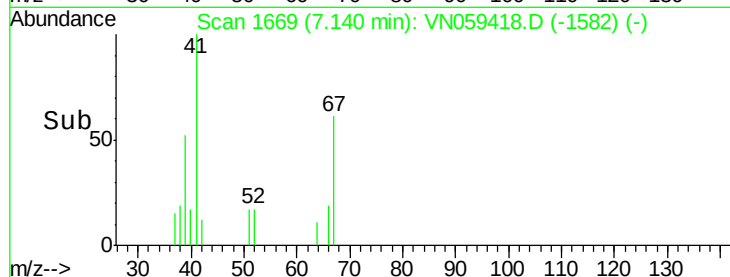
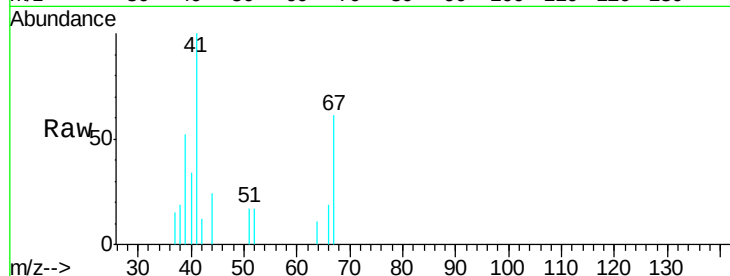
Ion Ratio Lower Upper

41 100

39 56.2 0.0 0.0#

67 55.4 0.0 0.0#

52 11.3 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 1.650 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059418.D

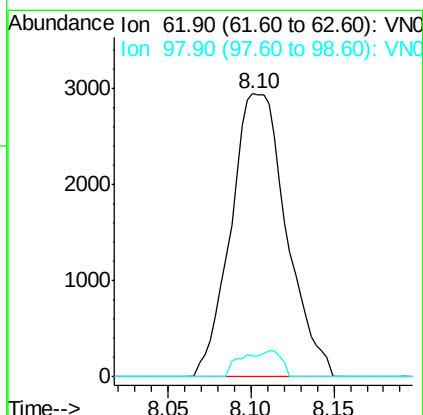
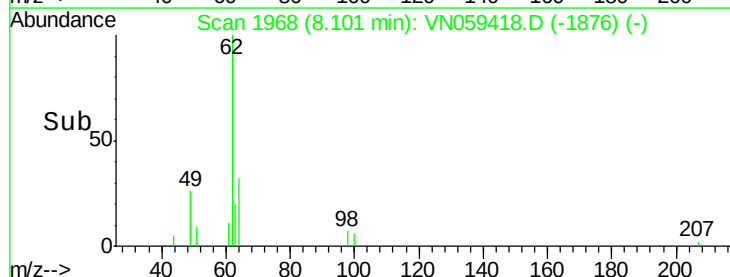
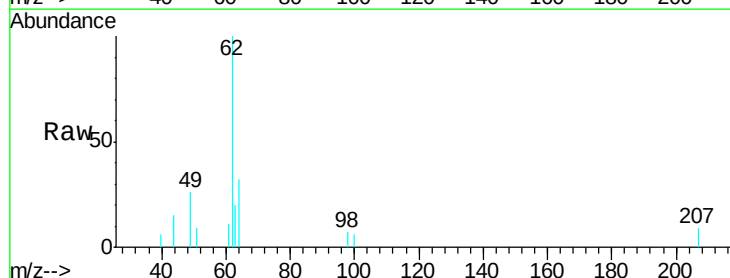
Acq: 27 Nov 2019 12:39

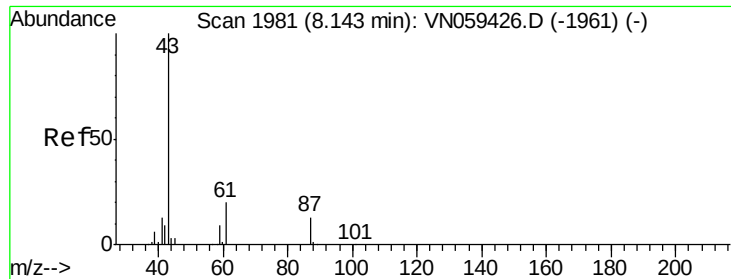
Tgt Ion: 62 Resp: 6865

Ion Ratio Lower Upper

62 100

98 6.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 1.512 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

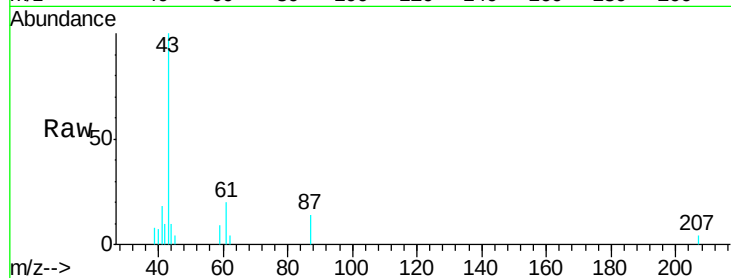
Tgt Ion: 43 Resp: 10743

Ion Ratio Lower Upper

43 100

61 18.0 22.2 33.2#

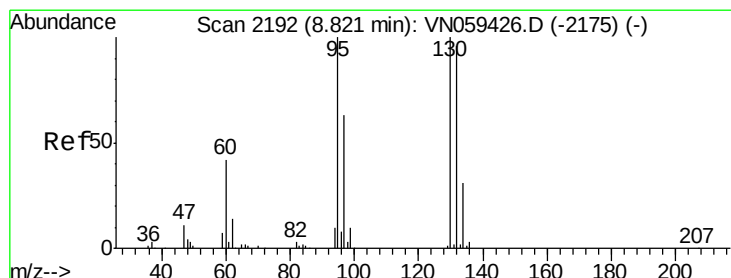
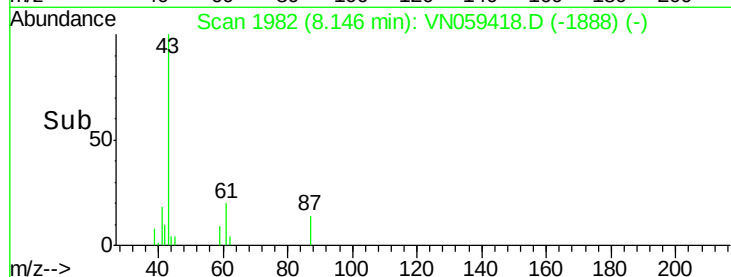
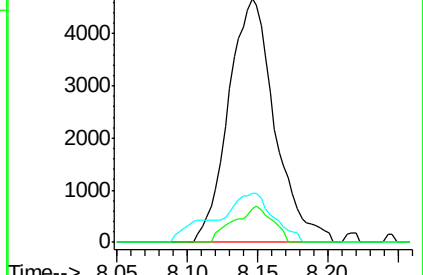
87 12.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059426.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059426.D (-1961) (-)



#44

Trichloroethene

Concen: 1.586 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059418.D

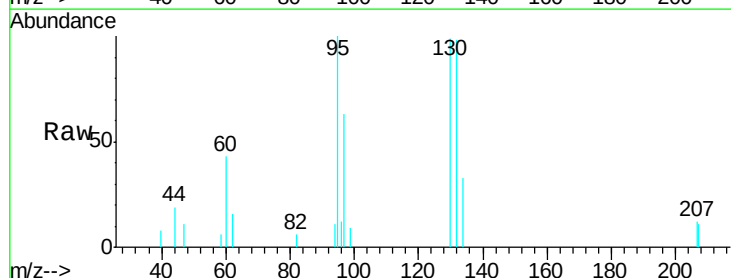
Acq: 27 Nov 2019 12:39

Tgt Ion: 130 Resp: 5305

Ion Ratio Lower Upper

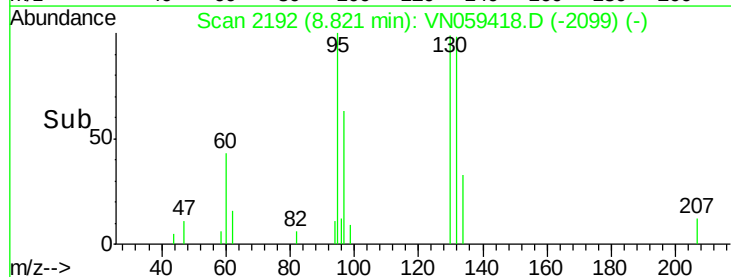
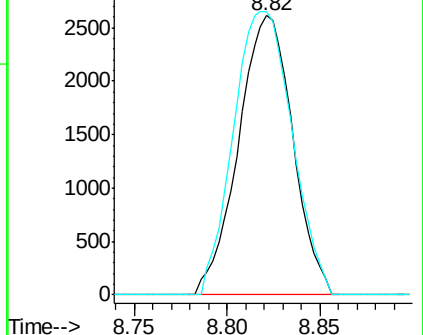
130 100

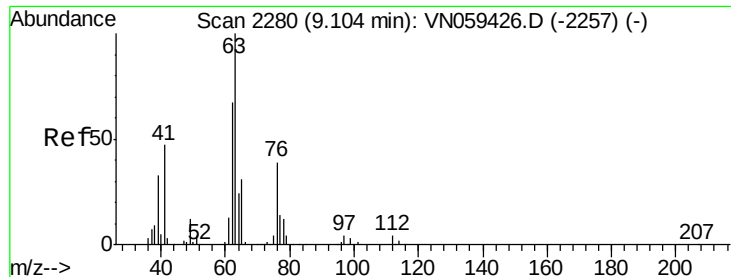
95 101.3 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VN059426.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059426.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 1.578 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

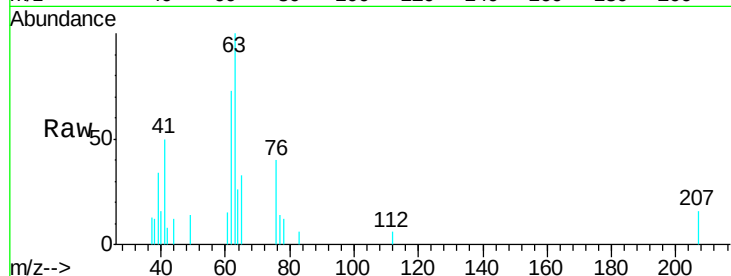
VSTDIC001

Tgt Ion: 63 Resp: 5416

Ion Ratio Lower Upper

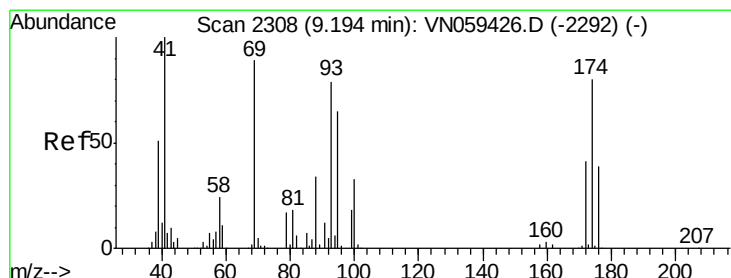
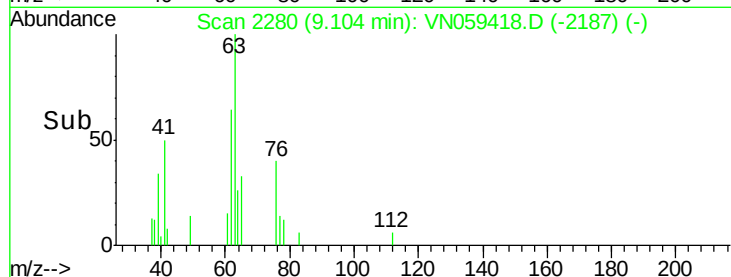
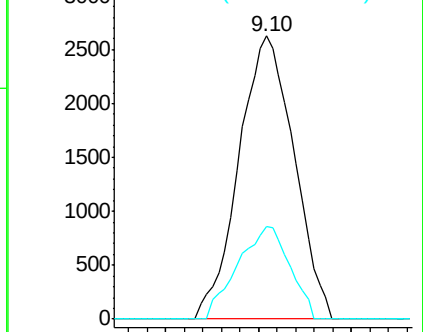
63 100

65 32.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 1.371 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

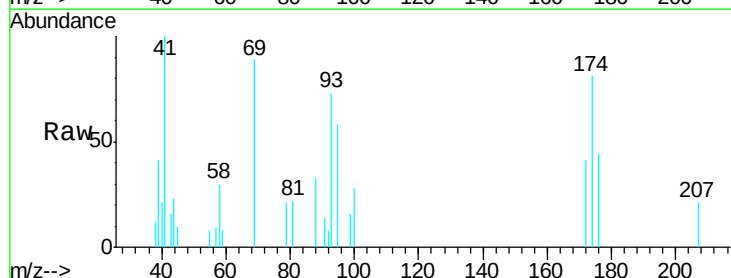
Tgt Ion: 93 Resp: 2904

Ion Ratio Lower Upper

93 100

95 86.1 66.2 99.4

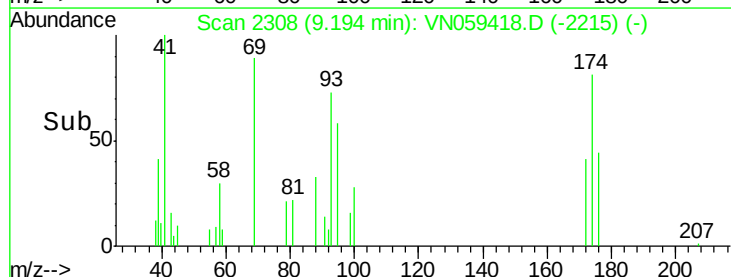
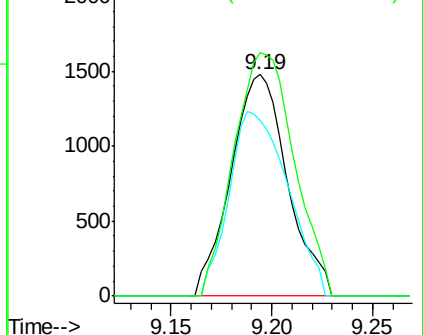
174 117.2 81.8 122.8

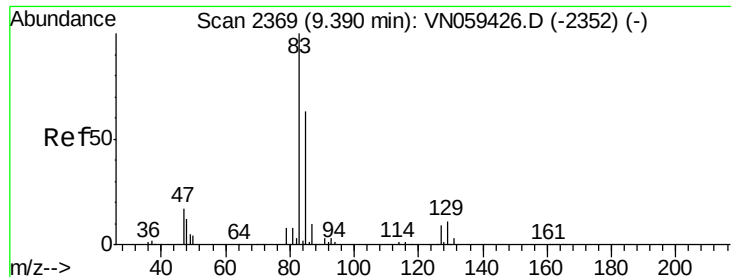


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

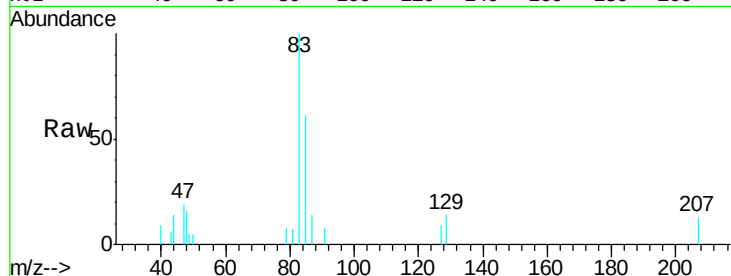




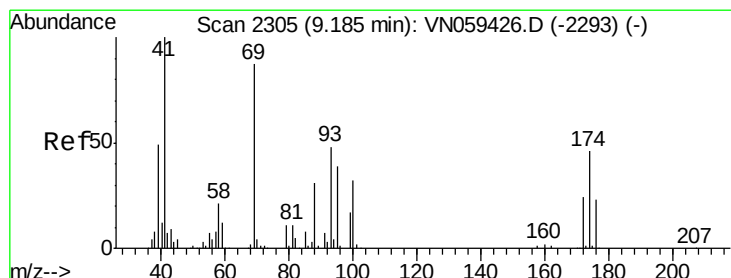
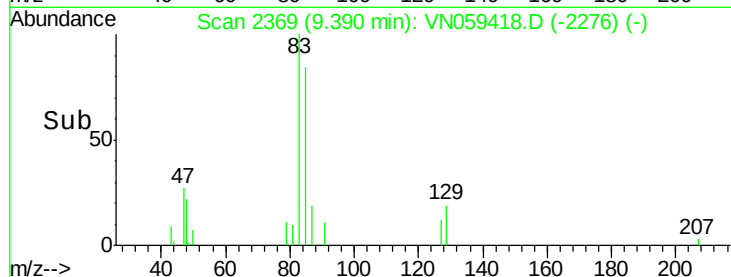
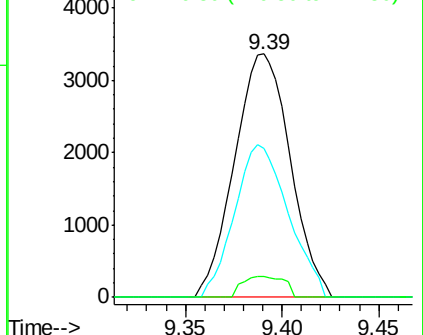
#47
Bromodichloromethane
Concen: 1.574 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 6743
Ion Ratio Lower Upper
83 100
85 61.0 50.6 75.8
127 8.7 6.8 10.2

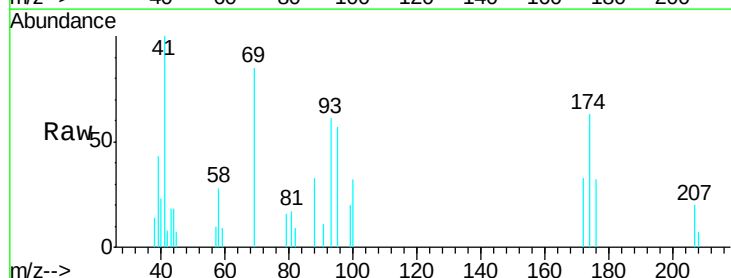


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

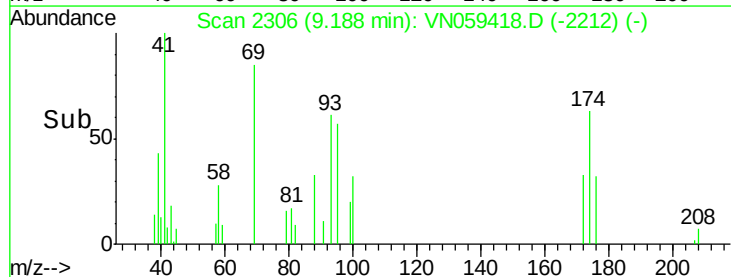
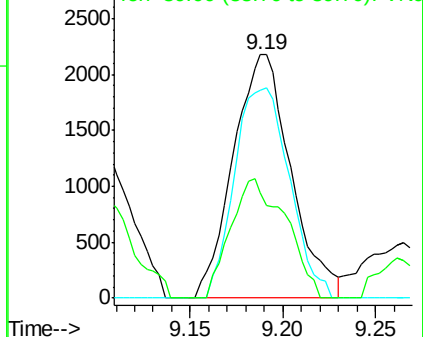


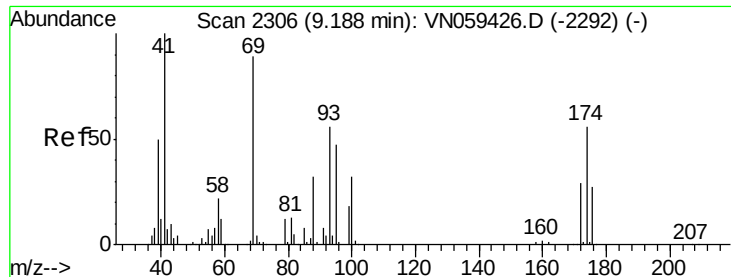
#48
Methyl methacrylate
Concen: 1.494 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 41 Resp: 4708
Ion Ratio Lower Upper
41 100
69 82.2 71.6 107.4
39 47.1 41.3 61.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

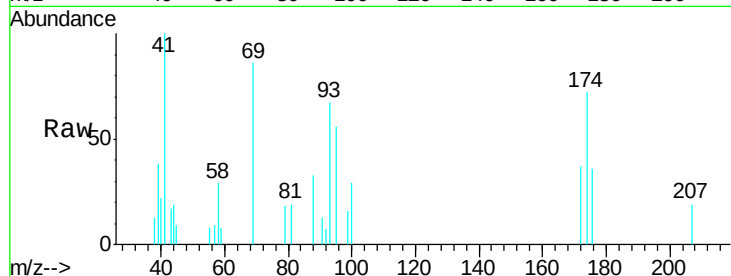




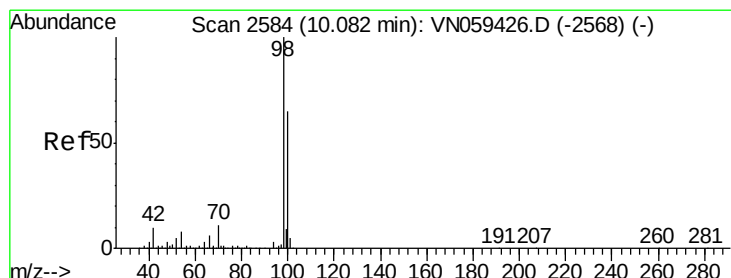
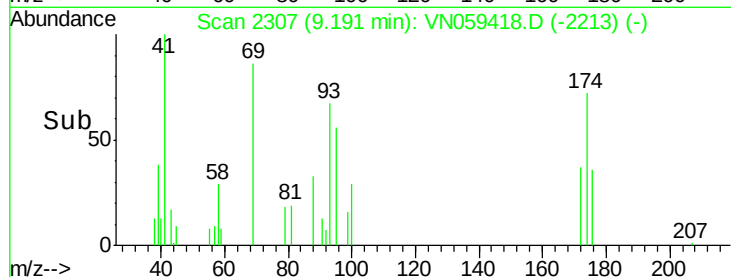
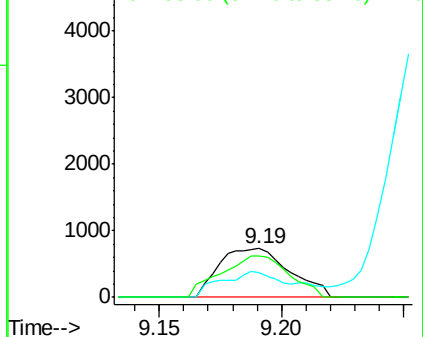
#49
1,4-Dioxane
Concen: 32.135 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 88 Resp: 1479
Ion Ratio Lower Upper
88 100
43 53.3 23.7 35.5#
58 81.8 56.3 84.5

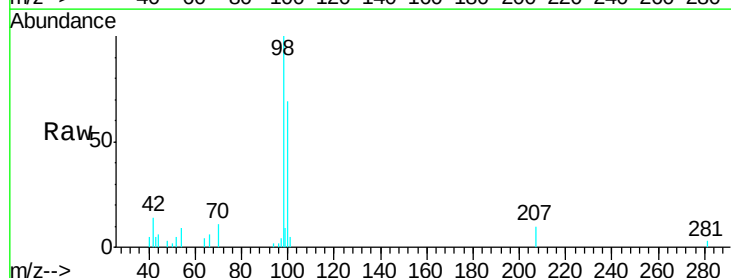


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

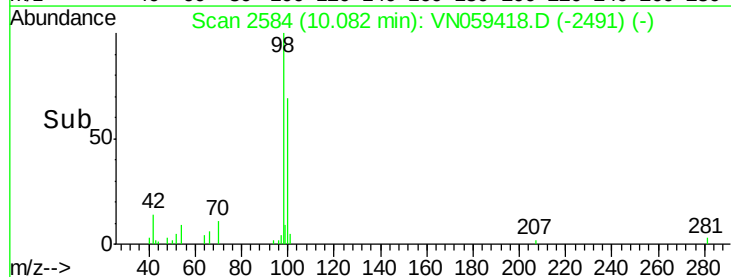
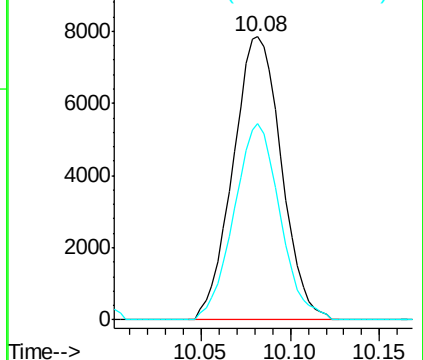


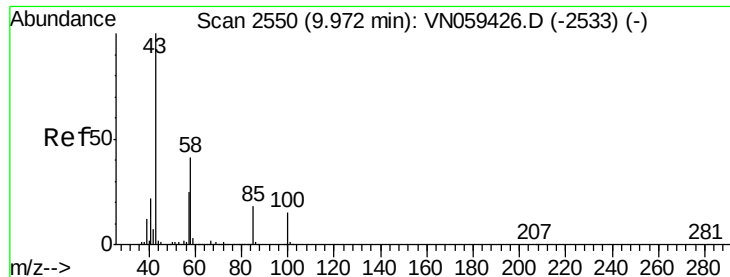
#50
Toluene-d8
Concen: 1.328 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 98 Resp: 14807
Ion Ratio Lower Upper
98 100
100 66.1 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: 6.913 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

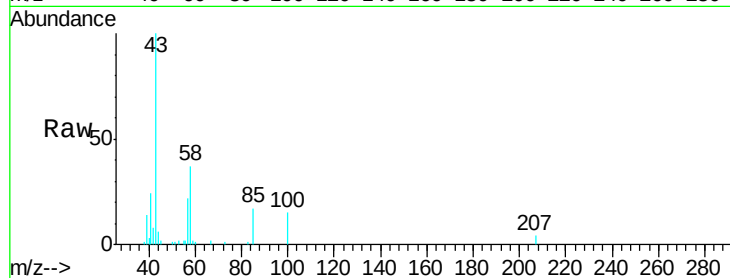
VSTDIC001

Tgt Ion: 43 Resp: 28482

Ion Ratio Lower Upper

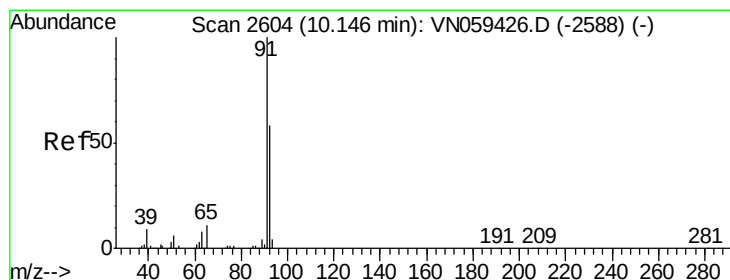
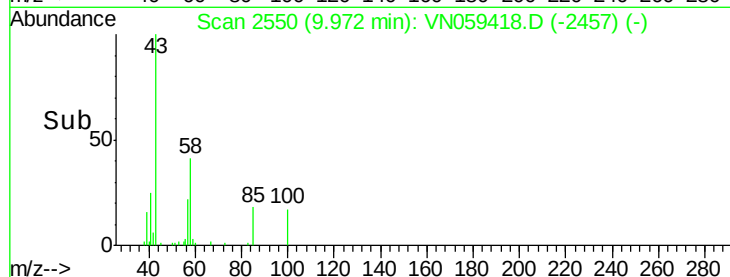
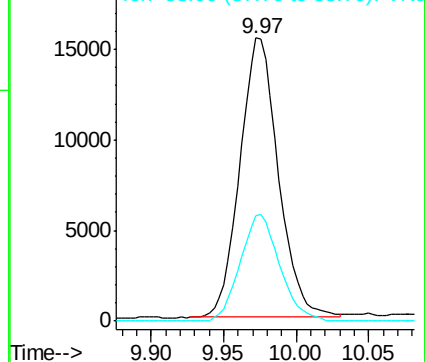
43 100

58 39.0 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 1.506 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059418.D

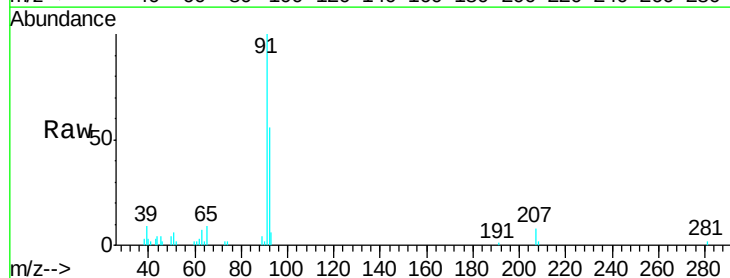
Acq: 27 Nov 2019 12:39

Tgt Ion: 92 Resp: 11806

Ion Ratio Lower Upper

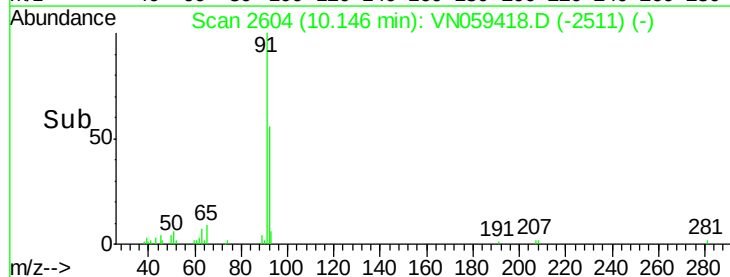
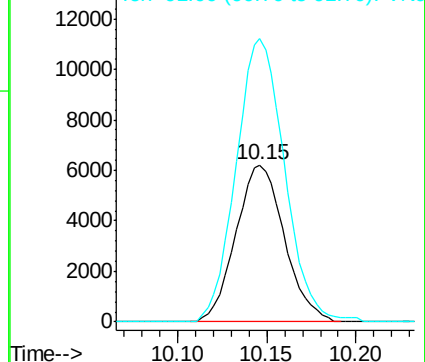
92 100

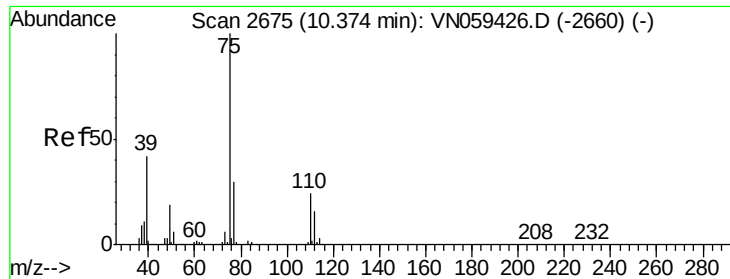
91 180.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.454 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

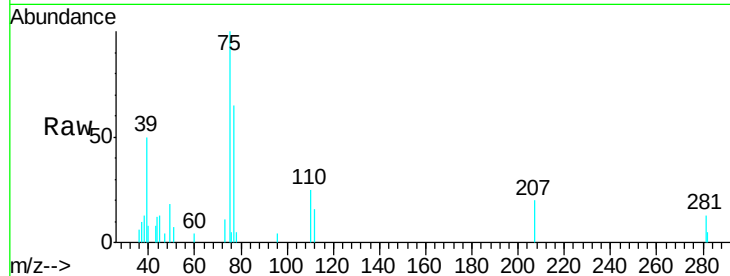
VSTDIC001

Tgt Ion: 75 Resp: 7156

Ion Ratio Lower Upper

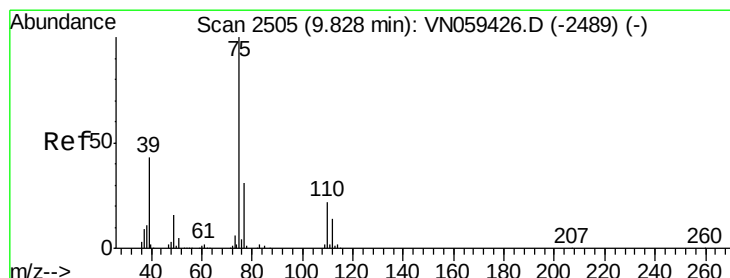
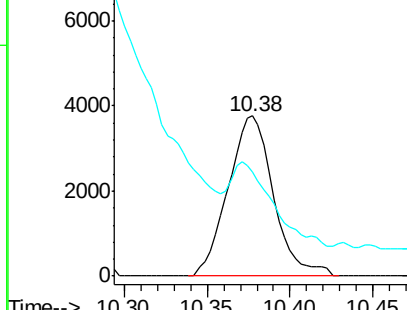
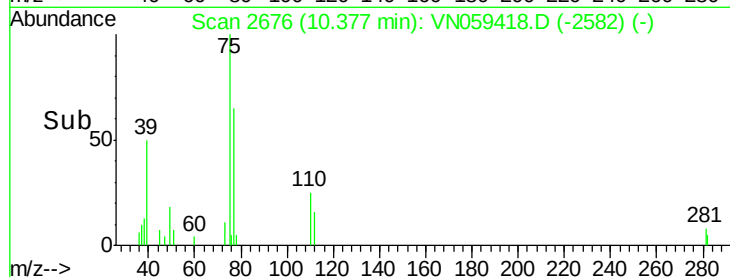
75 100

77 44.4 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 1.440 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

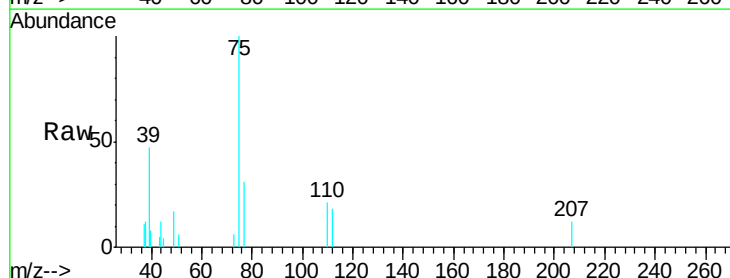
Tgt Ion: 75 Resp: 7651

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

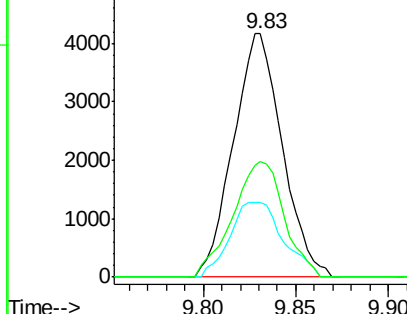
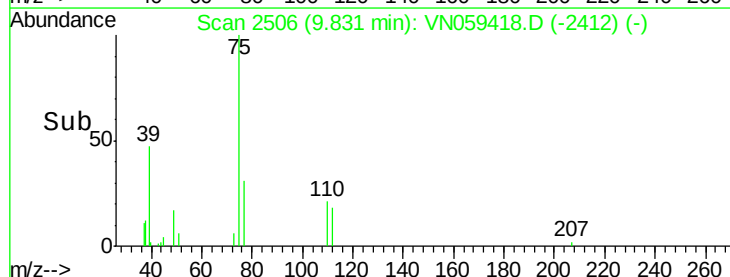
39 47.4 34.0 51.0

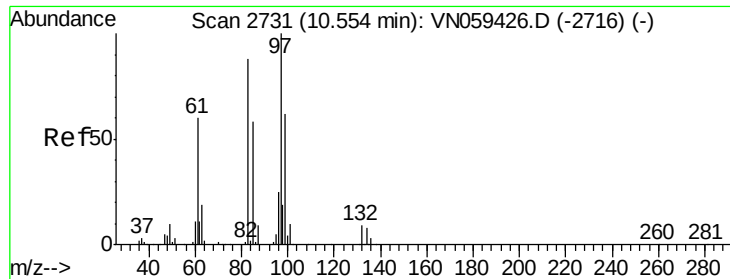


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.571 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 4819

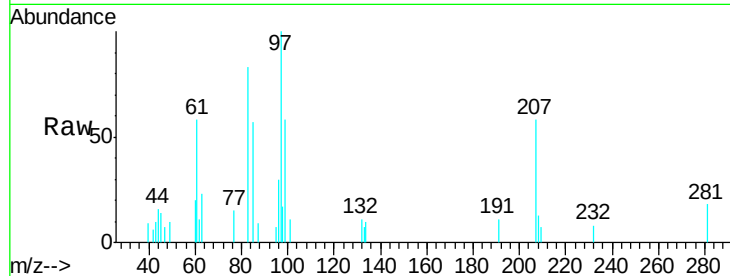
Ion Ratio Lower Upper

97 100

83 82.6 70.7 106.1

85 56.6 46.4 69.6

99 58.5 49.6 74.4

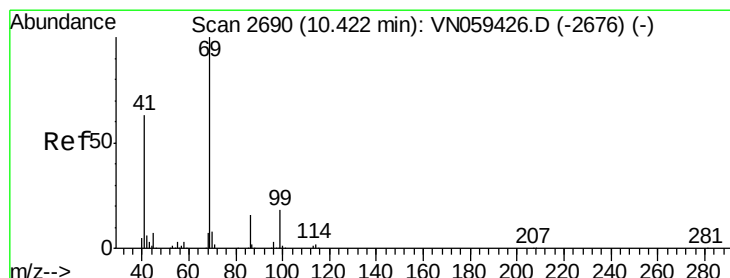
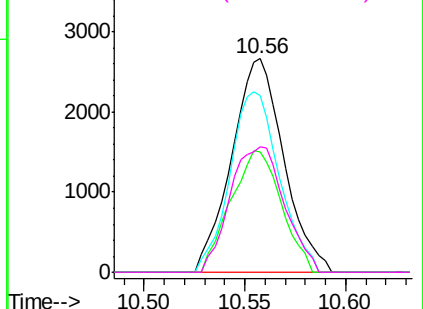
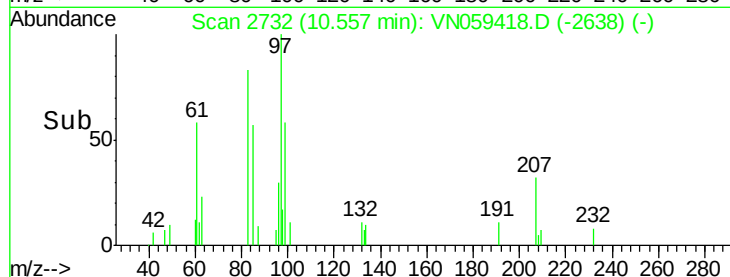


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 1.320 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

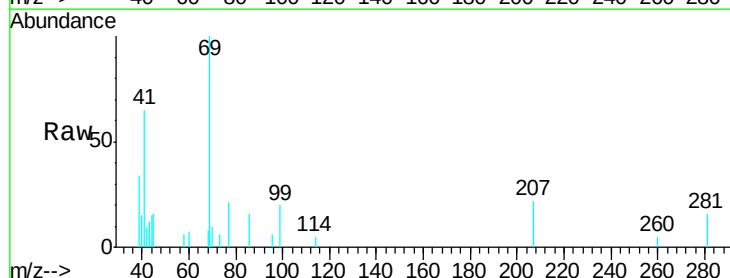
Tgt Ion: 69 Resp: 5908

Ion Ratio Lower Upper

69 100

41 68.2 50.1 75.1

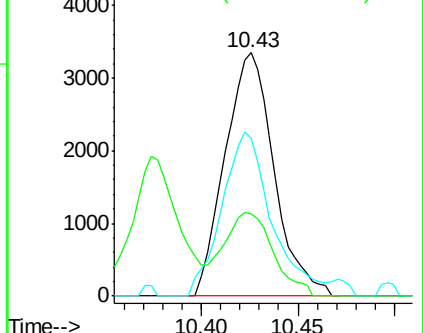
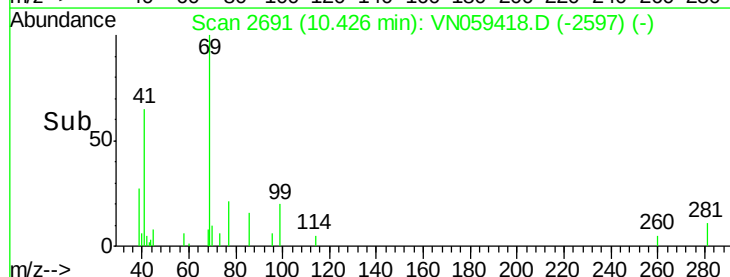
39 34.7 23.9 35.9

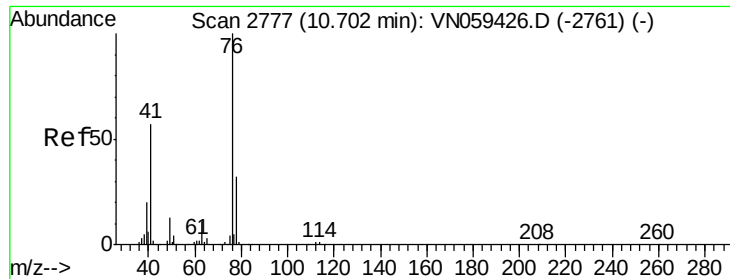


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.554 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

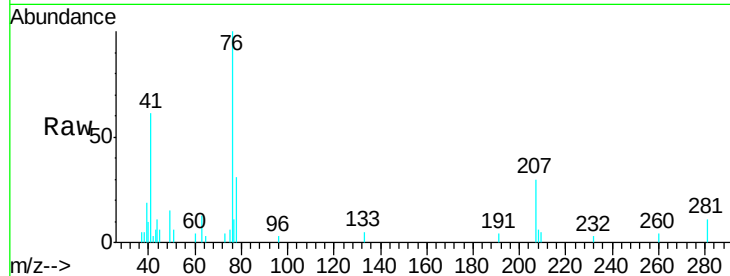
VSTDIC001

Tgt Ion: 76 Resp: 8242

Ion Ratio Lower Upper

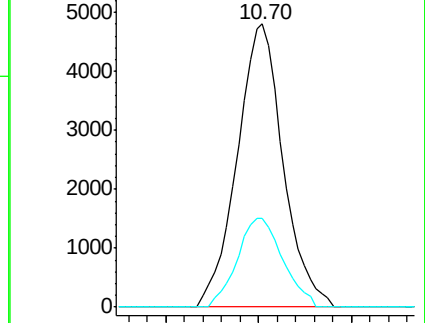
76 100

78 31.0 25.5 38.3

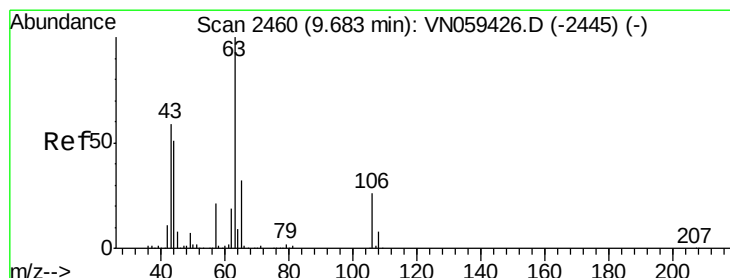
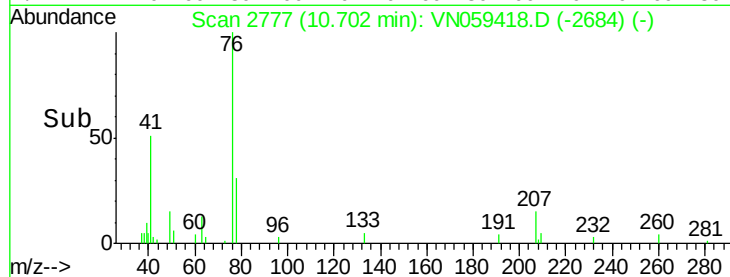


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 4.557 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059418.D

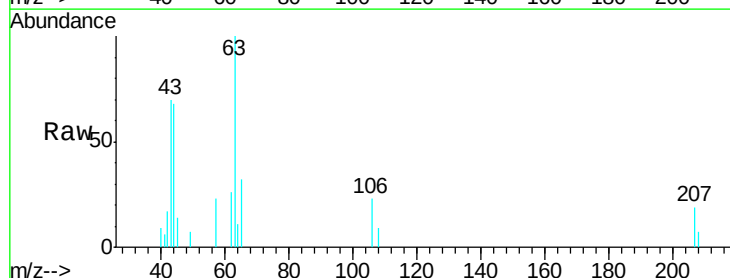
Acq: 27 Nov 2019 12:39

Tgt Ion: 63 Resp: 5991

Ion Ratio Lower Upper

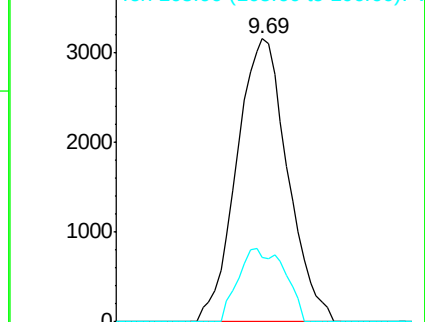
63 100

106 23.6 20.9 31.3

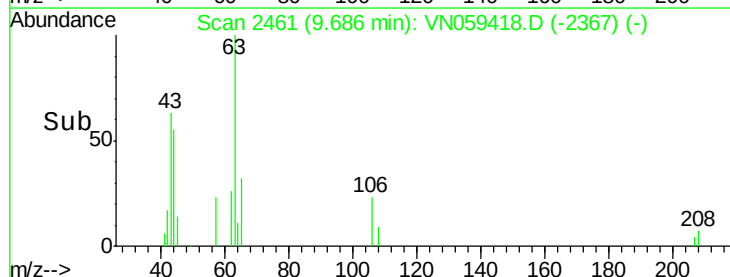


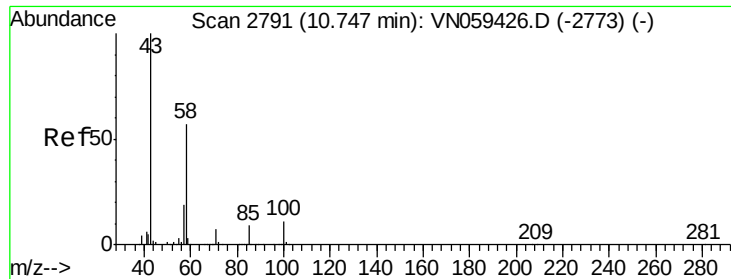
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->

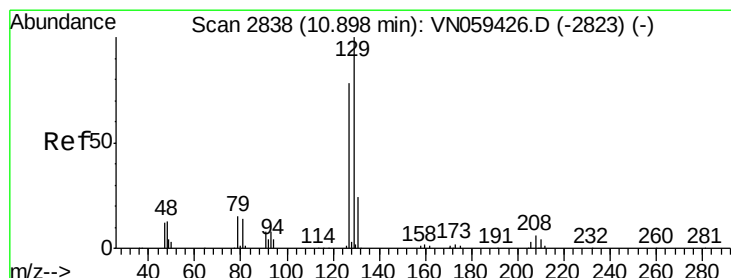
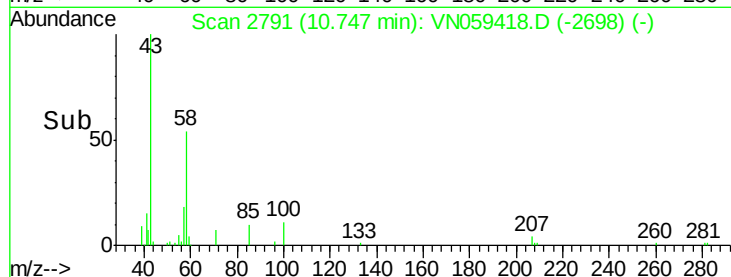
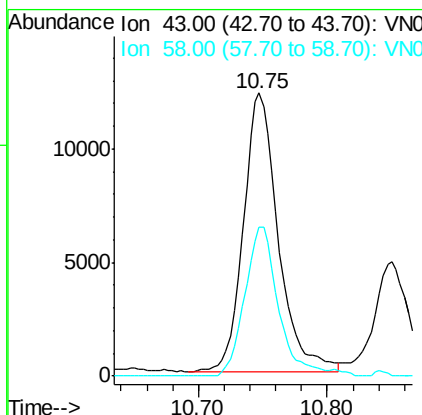
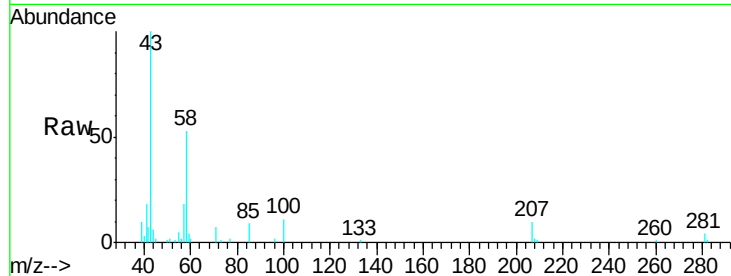




#59
2-Hexanone
Concen: 7.534 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

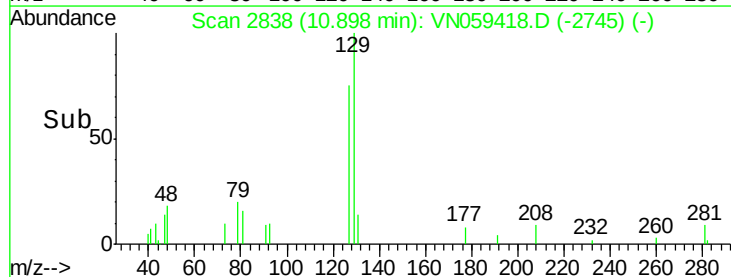
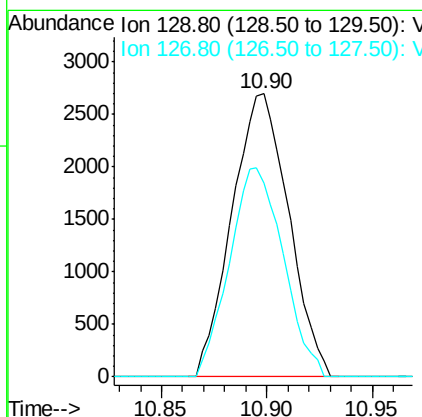
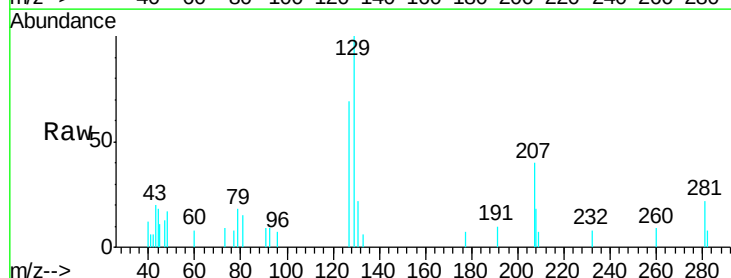
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

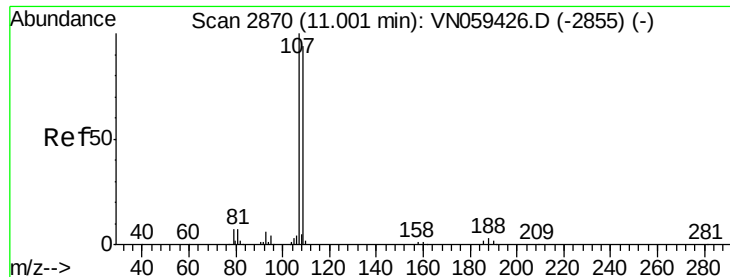
Tgt Ion: 43 Resp: 23016
Ion Ratio Lower Upper
43 100
58 51.3 28.3 85.0



#60
Dibromochloromethane
Concen: 1.574 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion: 129 Resp: 5041
Ion Ratio Lower Upper
129 100
127 69.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 1.539 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

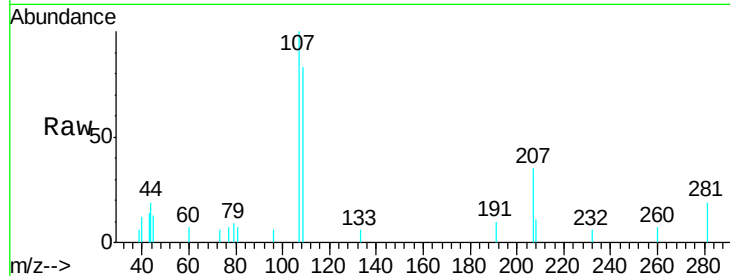
VSTDIC001

Tgt Ion: 107 Resp: 4840

Ion Ratio Lower Upper

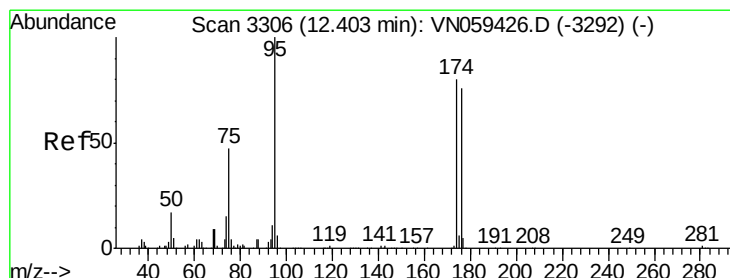
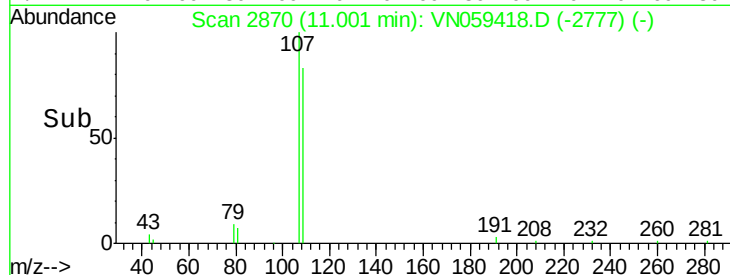
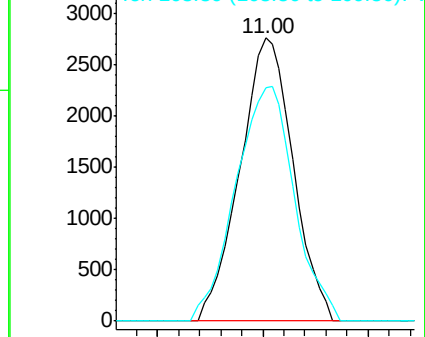
107 100

109 91.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.373 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

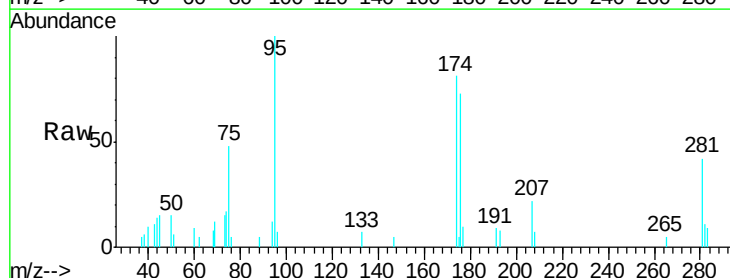
Tgt Ion: 95 Resp: 5331

Ion Ratio Lower Upper

95 100

174 81.1 0.0 158.0

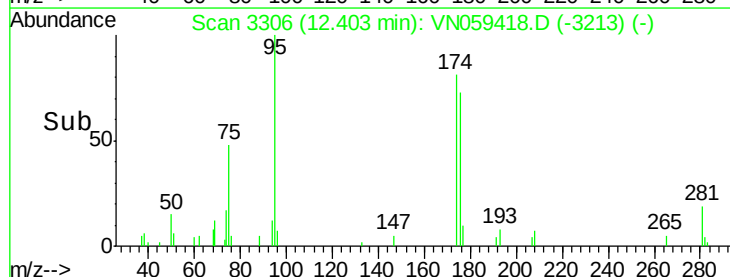
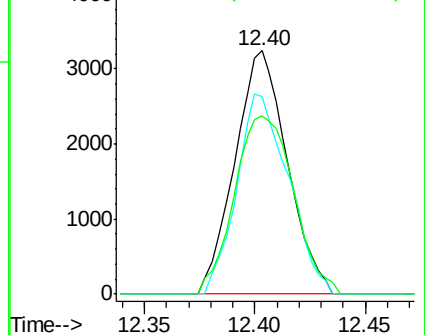
176 82.9 0.0 153.0

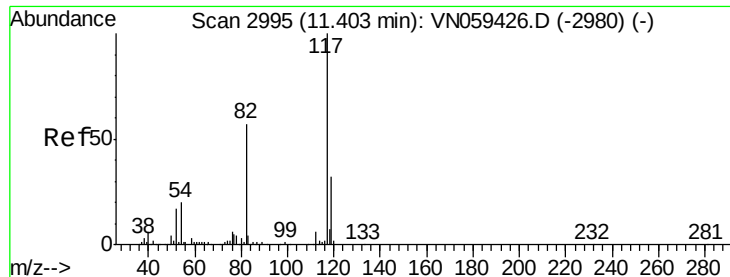


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

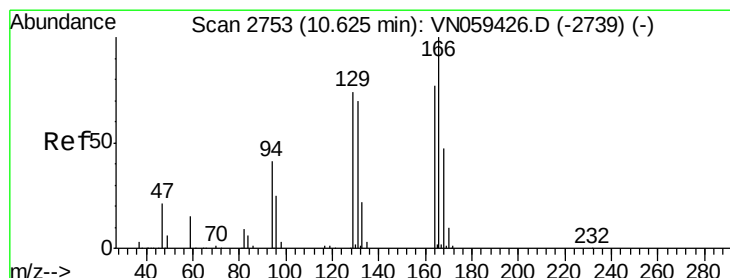
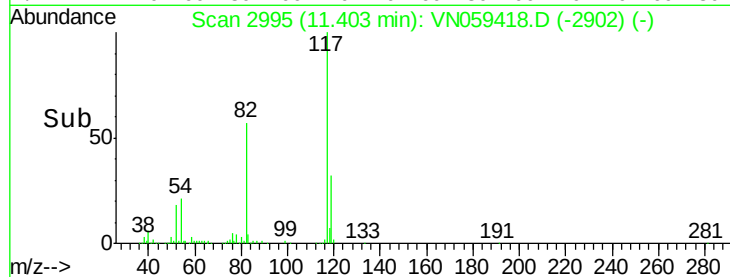
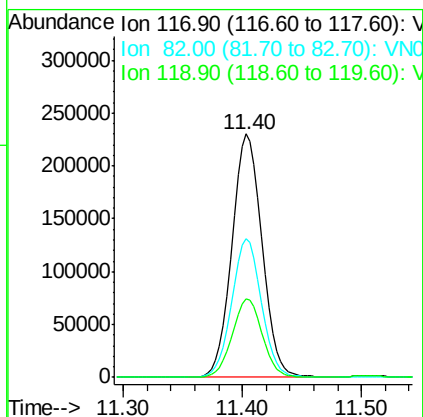
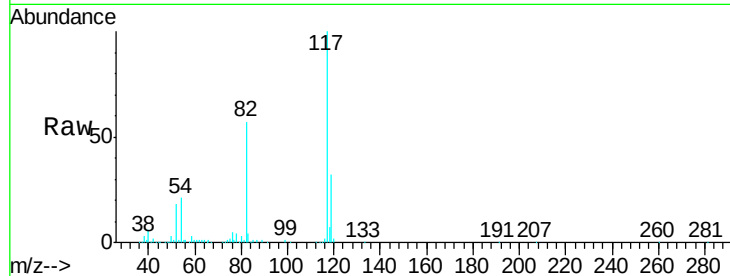




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

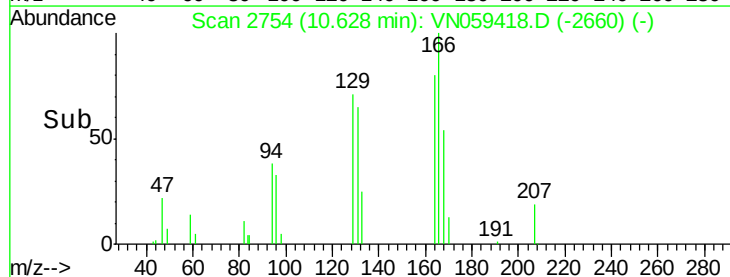
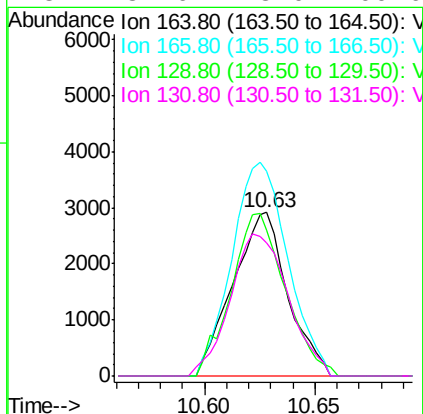
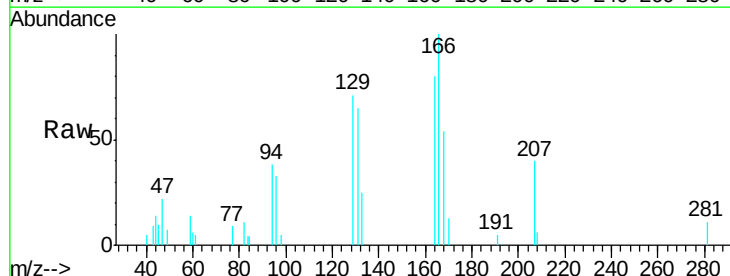
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

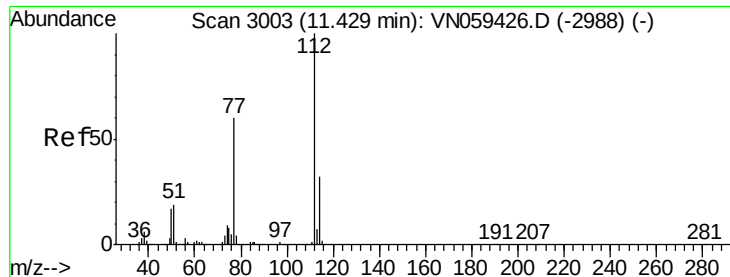
Tgt Ion:117 Resp: 403706
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.0
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 1.680 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion:164 Resp: 5016
Ion Ratio Lower Upper
164 100
166 125.6 104.2 156.4
129 89.3 76.8 115.2
131 81.6 73.0 109.6





#65

Chlorobenzene

Concen: 1.591 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

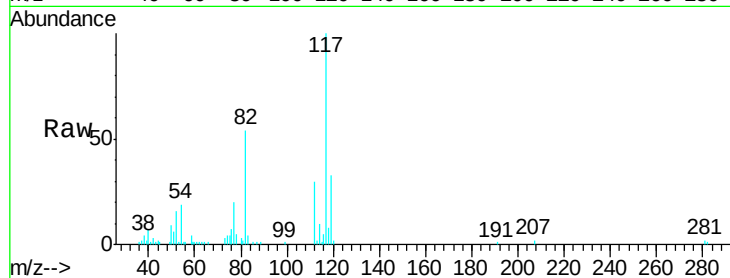
VSTDIC001

Tgt Ion:112 Resp: 12999

Ion Ratio Lower Upper

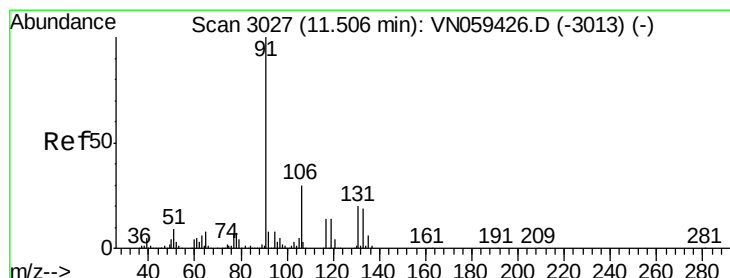
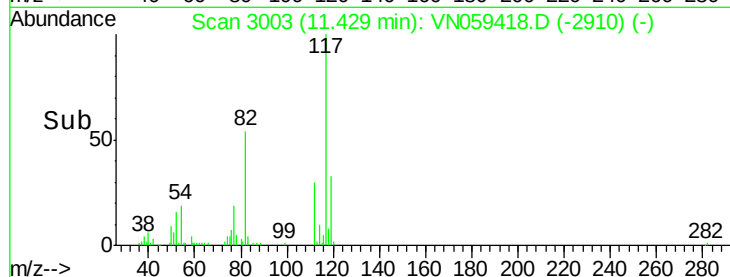
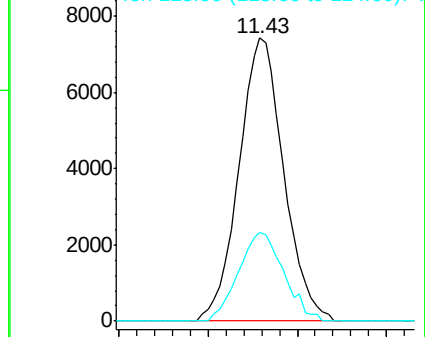
112 100

114 31.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.536 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

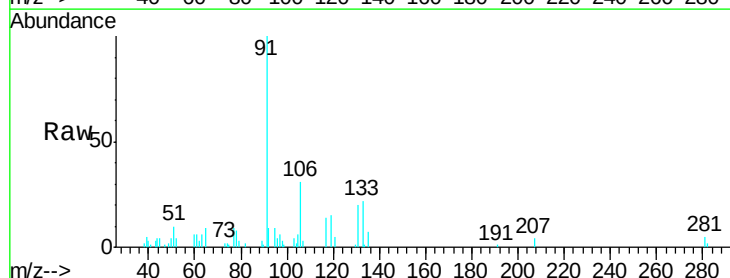
Tgt Ion:131 Resp: 4553

Ion Ratio Lower Upper

131 100

133 111.9 48.2 144.6

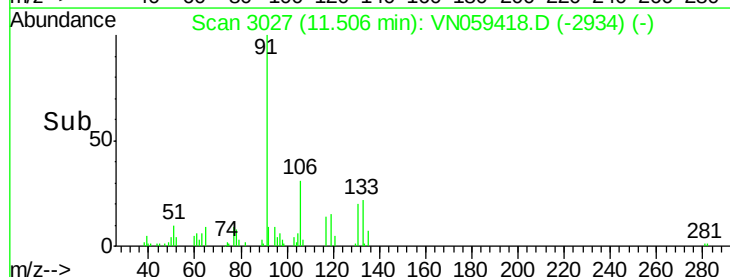
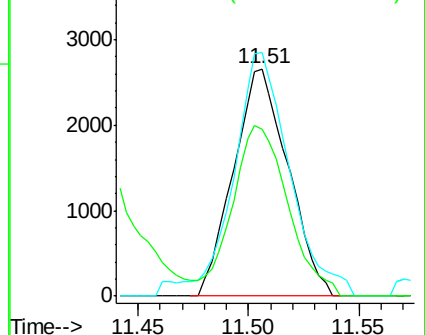
119 0.0 33.8 101.3#

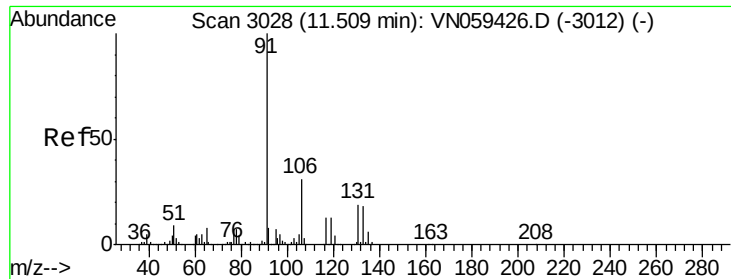


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.583 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

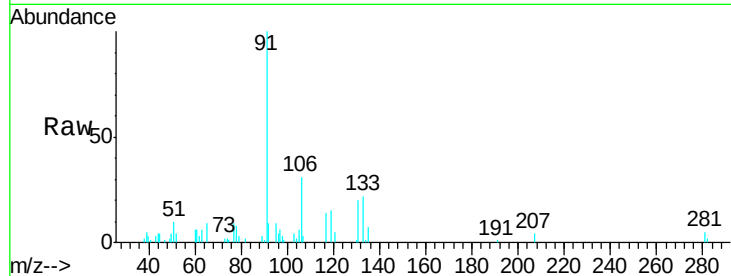
VSTDIC001

Tgt Ion: 91 Resp: 22729

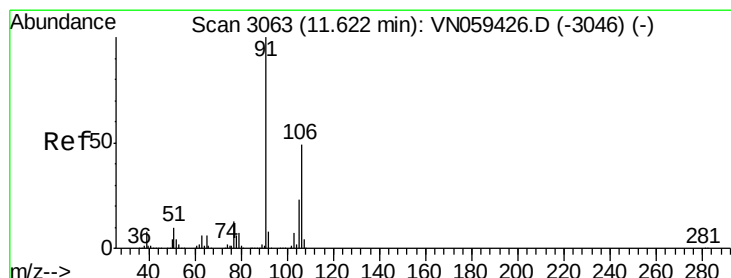
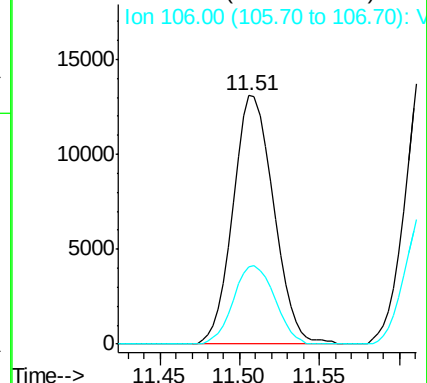
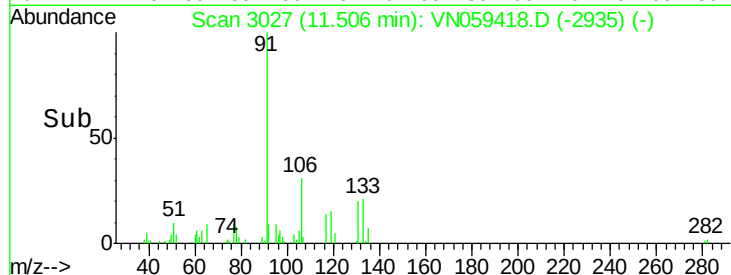
Ion Ratio Lower Upper

91 100

106 31.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059418.D (-2935) (-)



#68

m/p-Xylenes

Concen: 3.101 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059418.D

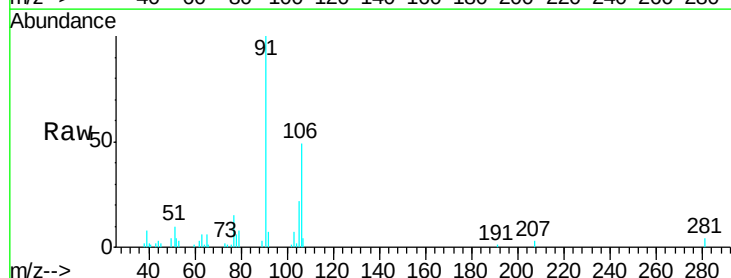
Acq: 27 Nov 2019 12:39

Tgt Ion: 106 Resp: 16623

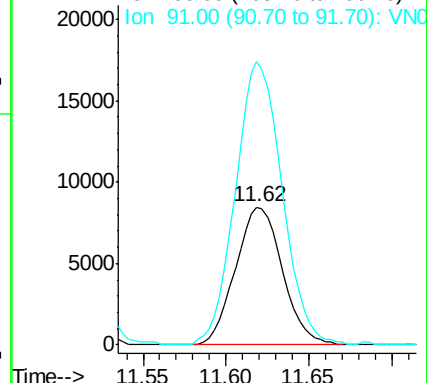
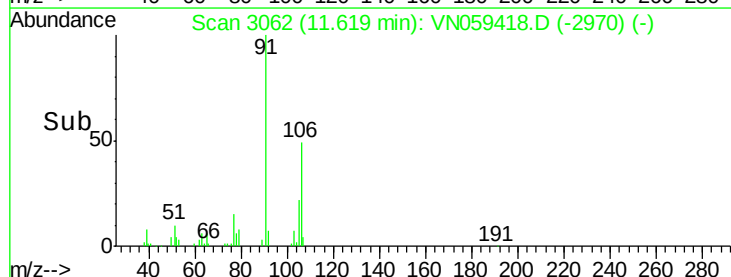
Ion Ratio Lower Upper

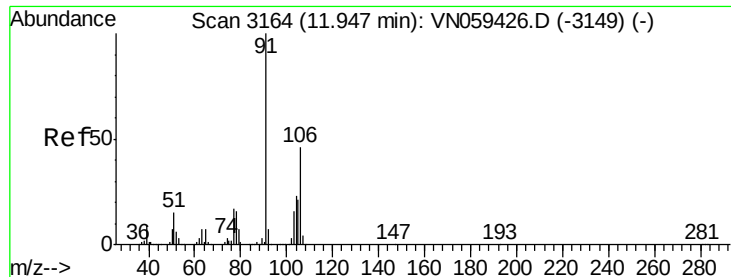
106 100

91 205.2 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059418.D (-2970) (-)

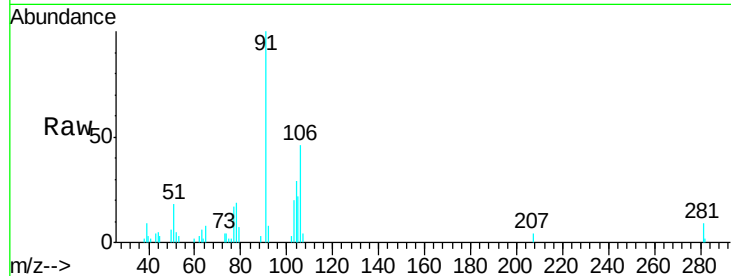




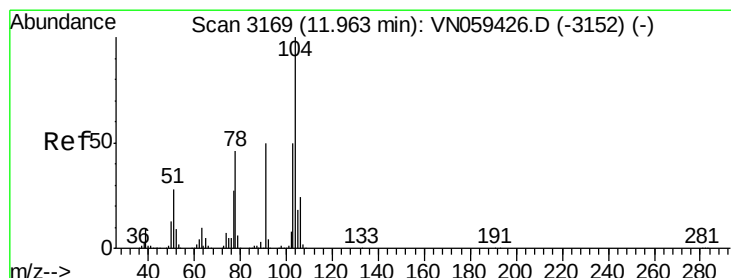
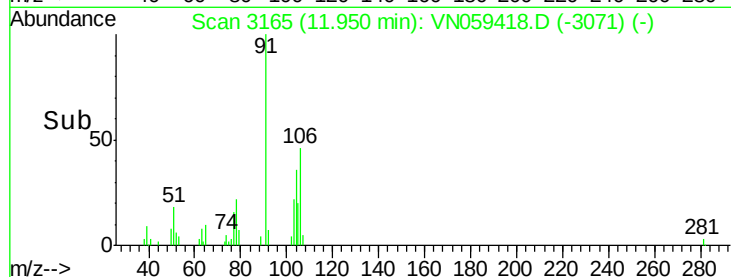
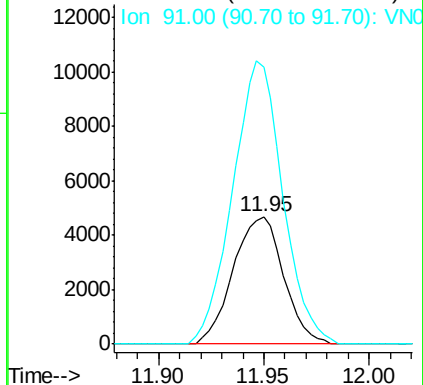
#69
o-Xylene
Concen: 1.513 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion:106 Resp: 7776
Ion Ratio Lower Upper
106 100
91 221.1 107.5 322.4

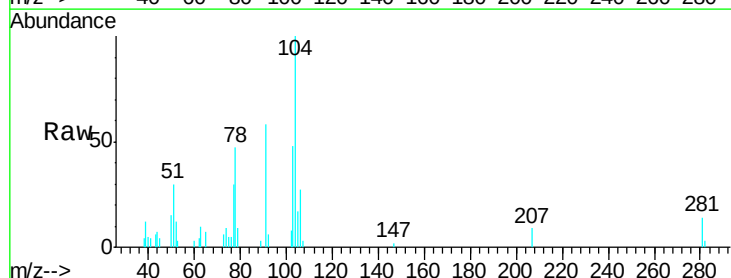


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

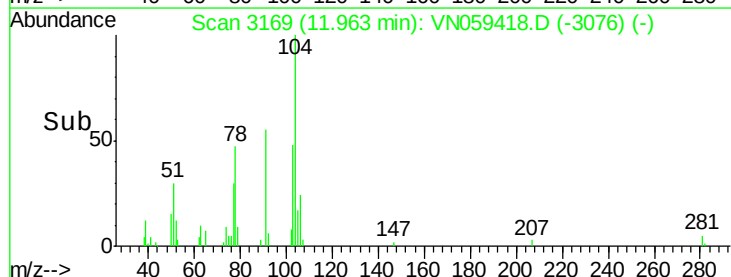
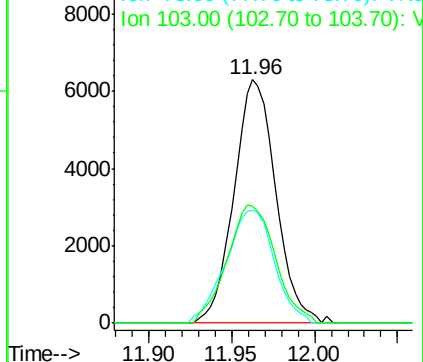


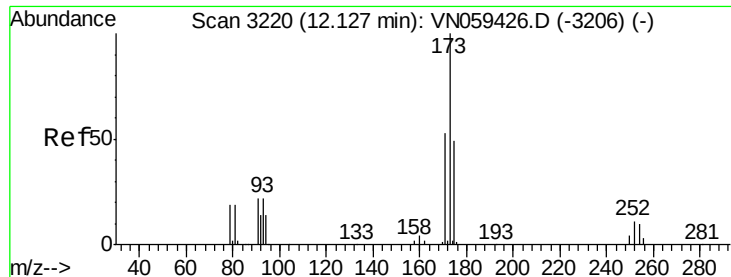
#70
Styrene
Concen: 1.371 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion:104 Resp: 11044
Ion Ratio Lower Upper
104 100
78 53.9 40.4 60.6
103 55.8 43.8 65.6



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





#71

Bromoform

Concen: 1.374 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

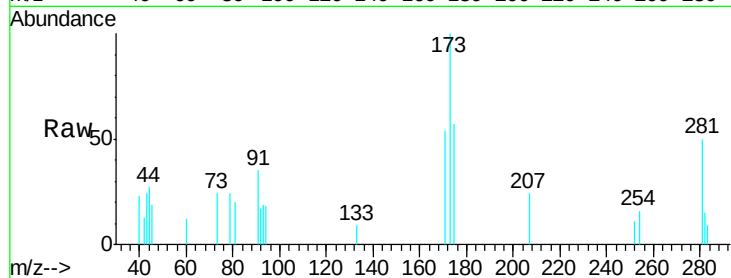
Tgt Ion:173 Resp: 3100

Ion Ratio Lower Upper

173 100

175 52.9 24.1 72.3

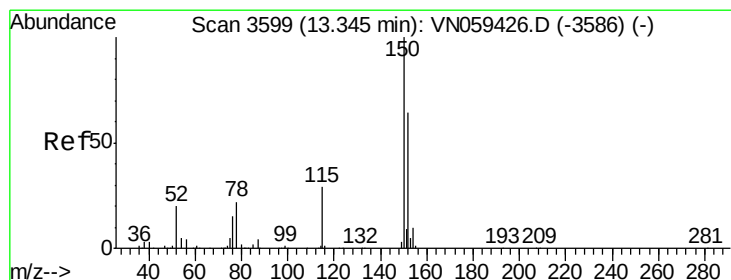
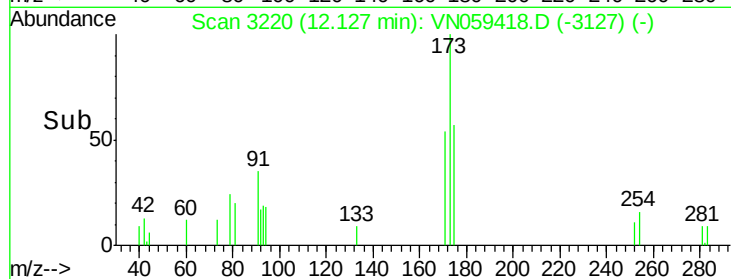
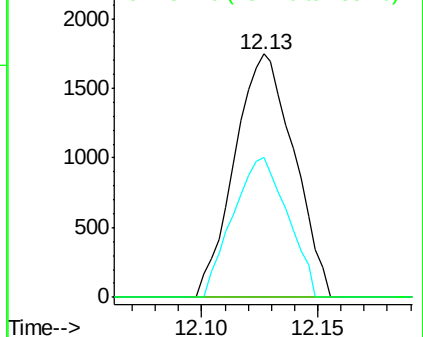
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

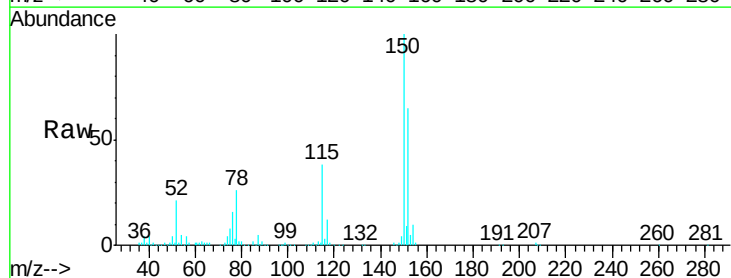
Tgt Ion:152 Resp: 165106

Ion Ratio Lower Upper

152 100

115 58.0 29.5 88.6

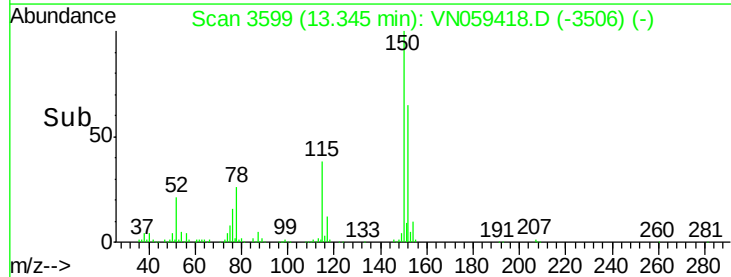
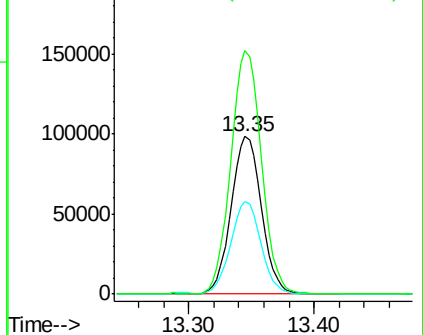
150 155.7 0.0 347.2

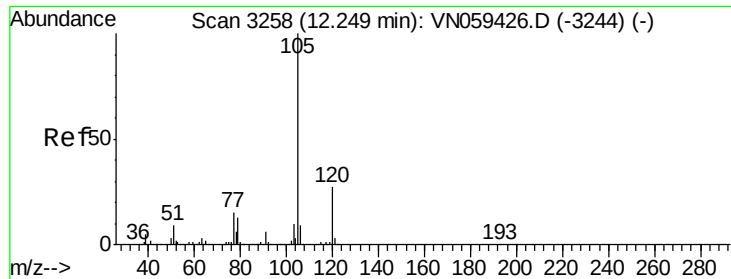


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.656 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

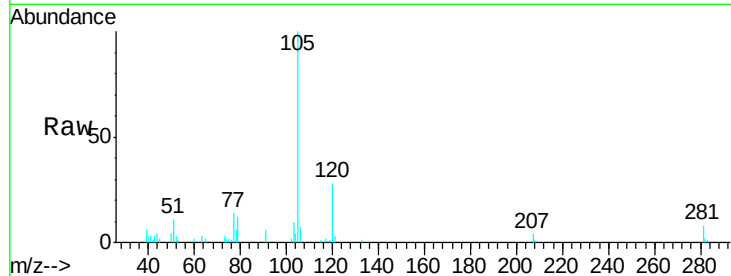
VSTDIC001

Tgt Ion: 105 Resp: 20256

Ion Ratio Lower Upper

105 100

120 28.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

15000

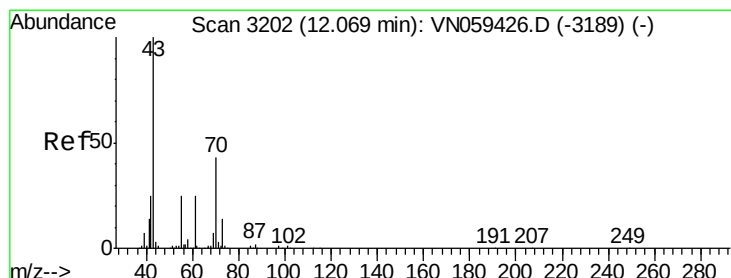
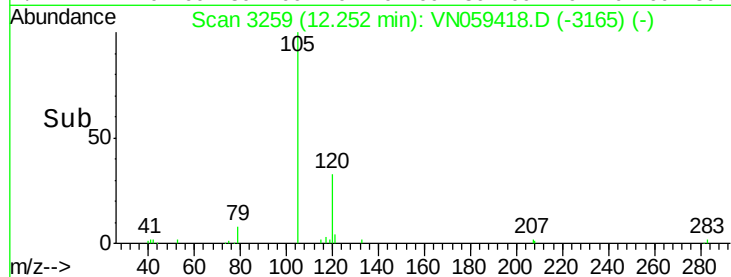
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.630 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Tgt Ion: 43 Resp: 7497

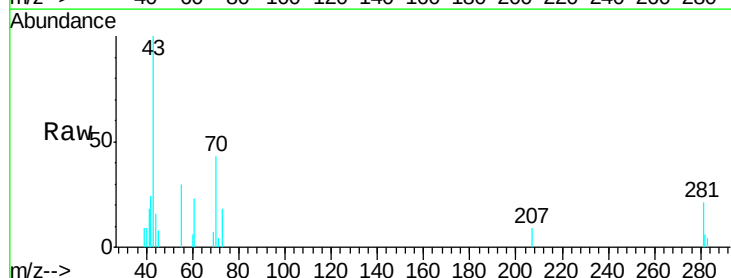
Ion Ratio Lower Upper

43 100

70 42.7 34.6 52.0

55 27.5 20.5 30.7

61 23.2 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

6000

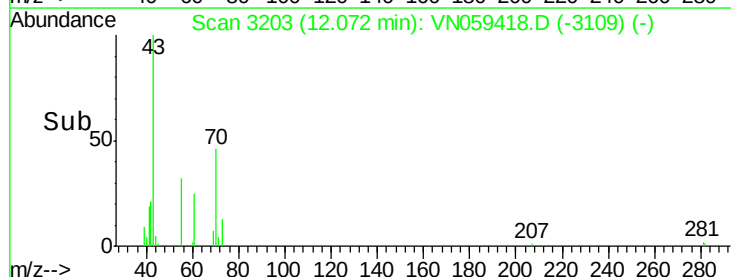
4000

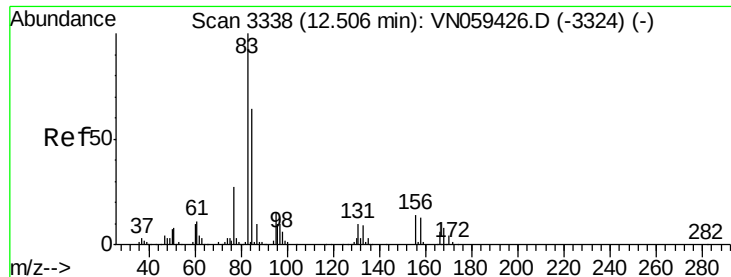
2000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 1.765 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

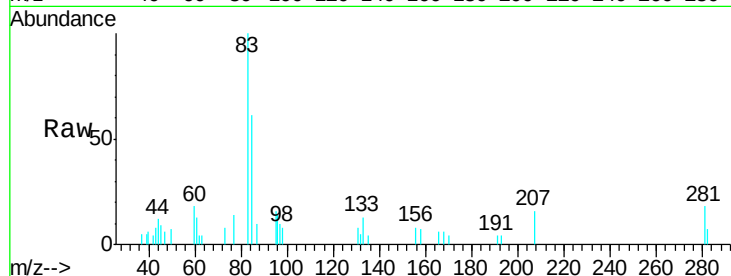
Tgt Ion: 83 Resp: 7042

Ion Ratio Lower Upper

83 100

131 5.8 5.0 15.0

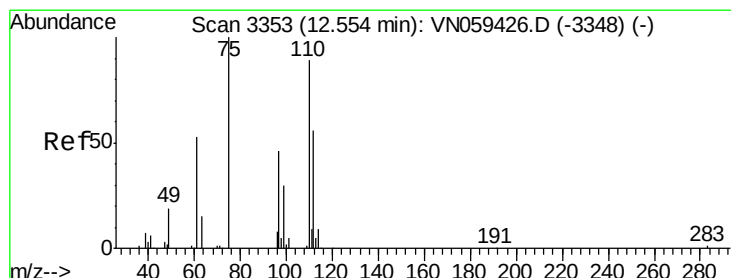
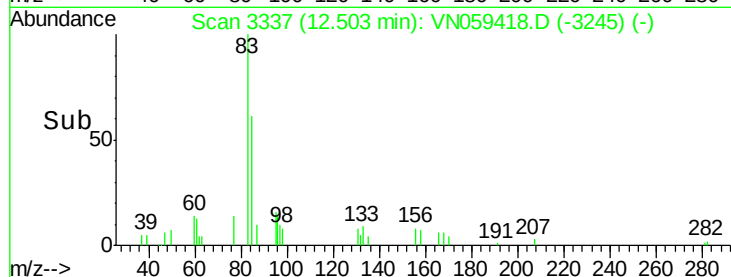
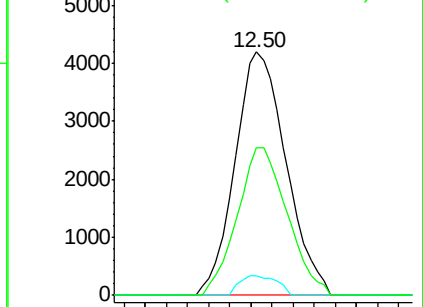
85 59.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 2.358 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059418.D

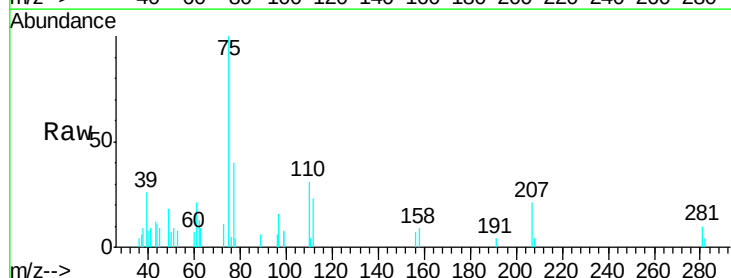
Acq: 27 Nov 2019 12:39

Tgt Ion: 75 Resp: 8995

Ion Ratio Lower Upper

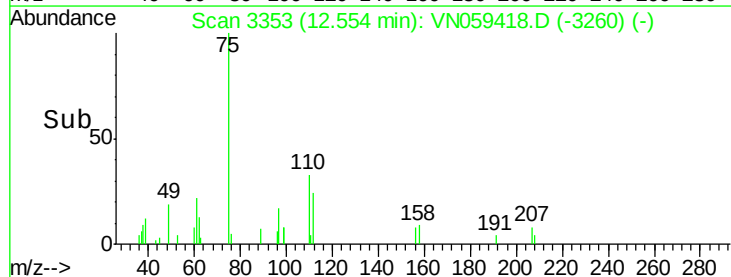
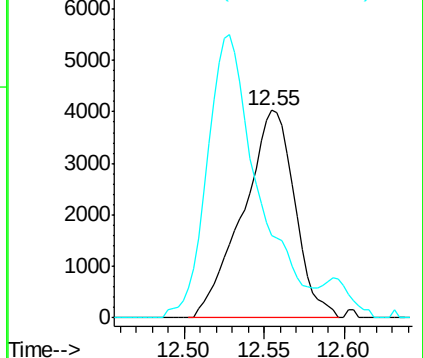
75 100

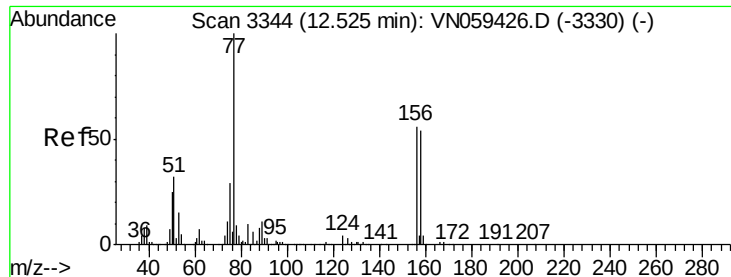
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.768 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

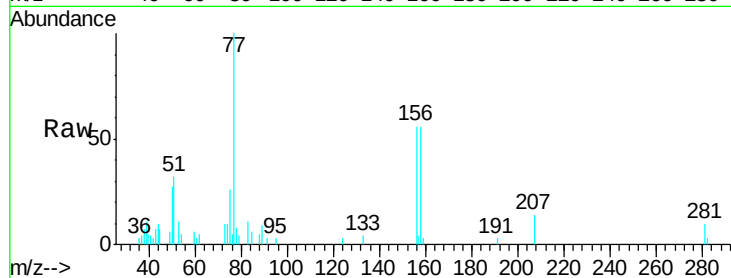
Tgt Ion: 156 Resp: 5294

Ion Ratio Lower Upper

156 100

77 228.7 108.7 326.3

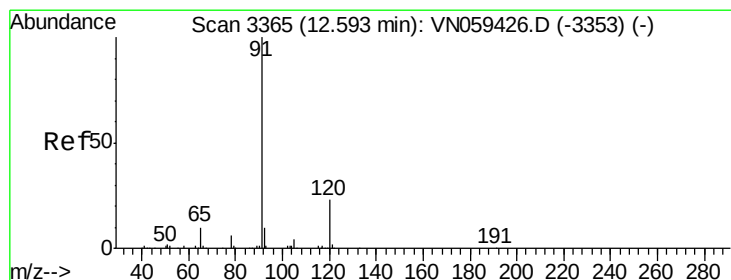
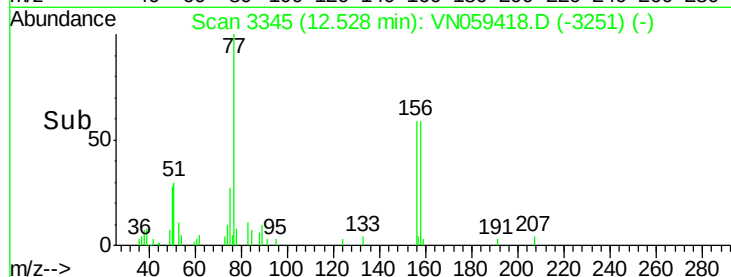
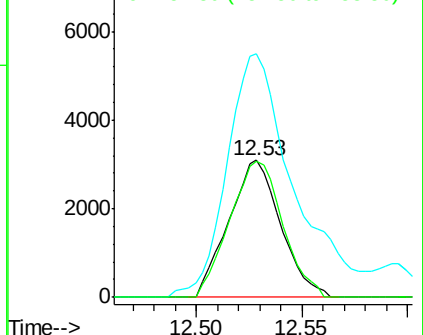
158 101.1 48.3 144.9



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: 1.690 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN059418.D

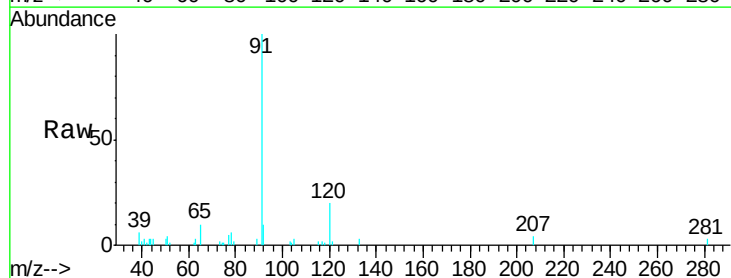
Acq: 27 Nov 2019 12:39

Tgt Ion: 91 Resp: 23820

Ion Ratio Lower Upper

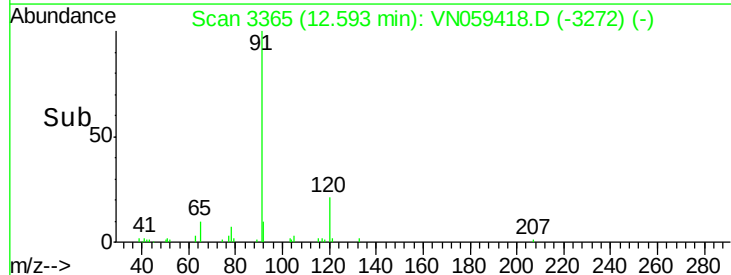
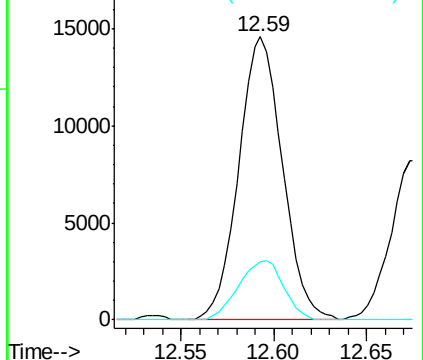
91 100

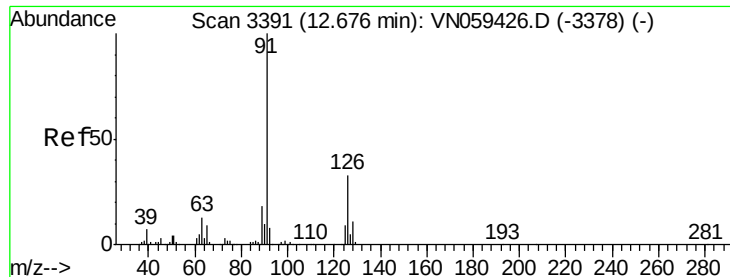
120 21.5 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.730 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

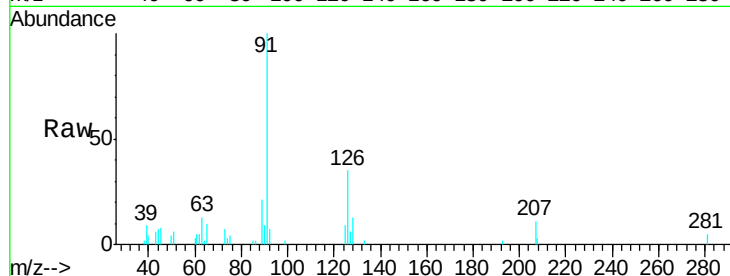
VSTDIC001

Tgt Ion: 91 Resp: 14581

Ion Ratio Lower Upper

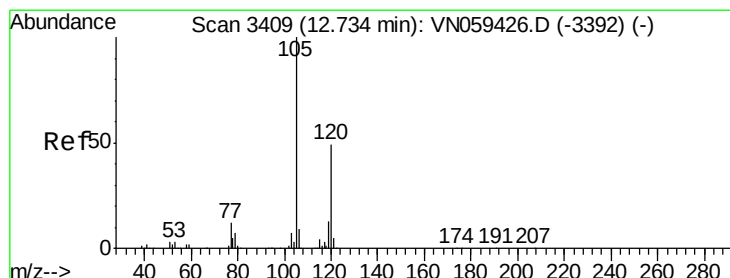
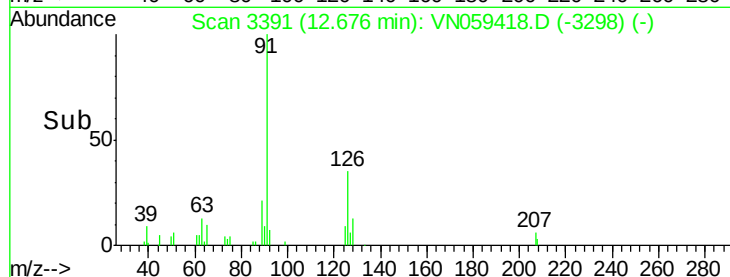
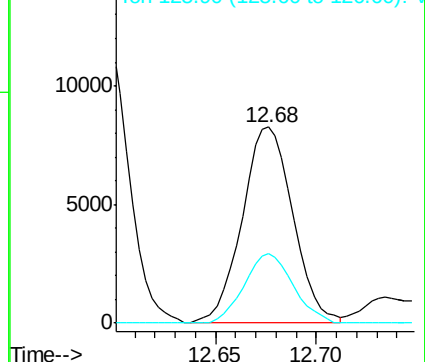
91 100

126 33.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059418.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN059418.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.588 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059418.D

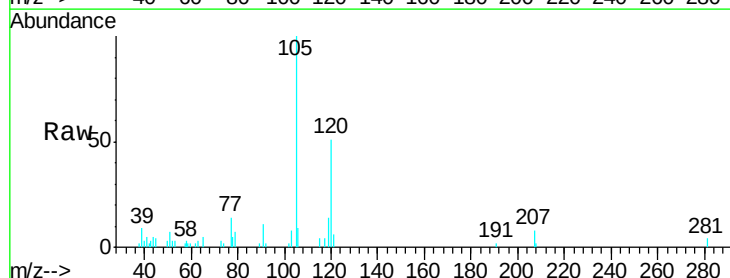
Acq: 27 Nov 2019 12:39

Tgt Ion: 105 Resp: 16330

Ion Ratio Lower Upper

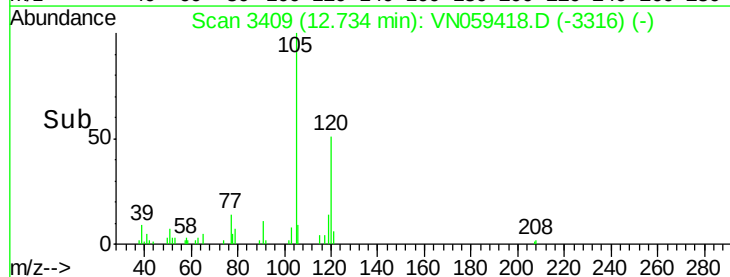
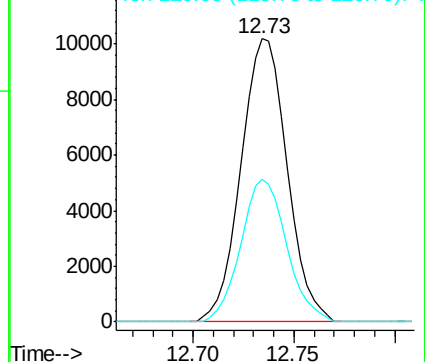
105 100

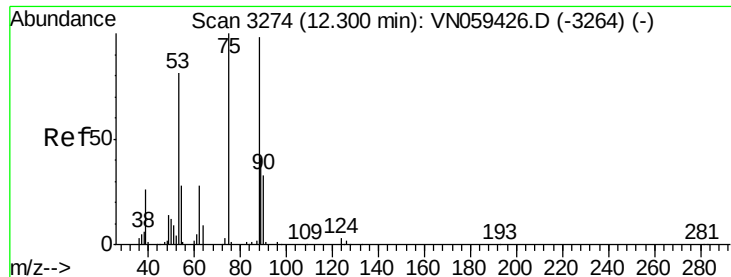
120 50.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059418.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059418.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.573 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

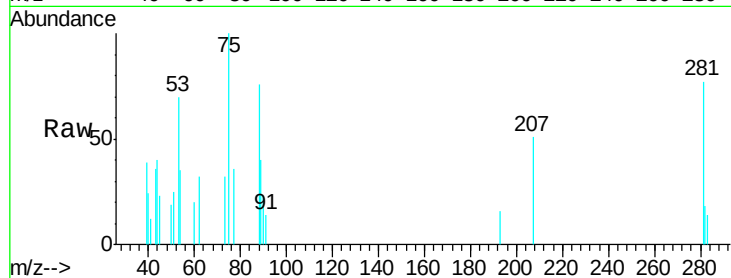
Tgt Ion: 75 Resp: 2287

Ion Ratio Lower Upper

75 100

53 74.9 66.2 99.4

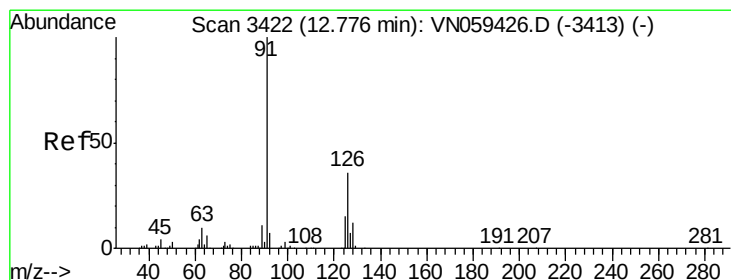
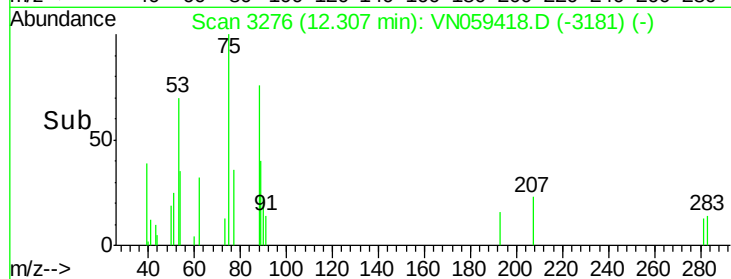
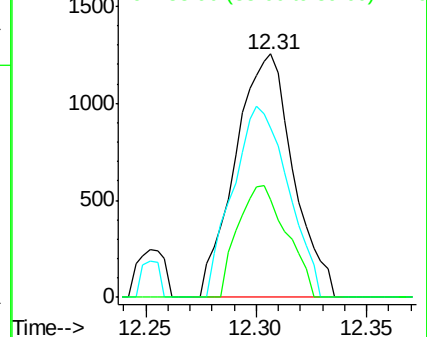
89 38.6 33.9 50.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.758 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN059418.D

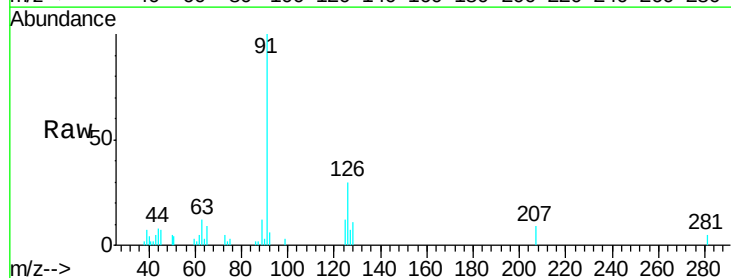
Acq: 27 Nov 2019 12:39

Tgt Ion: 91 Resp: 15254

Ion Ratio Lower Upper

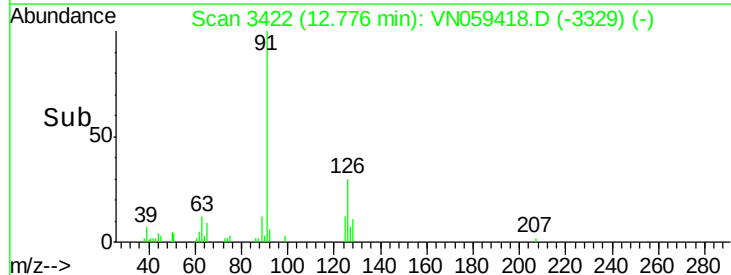
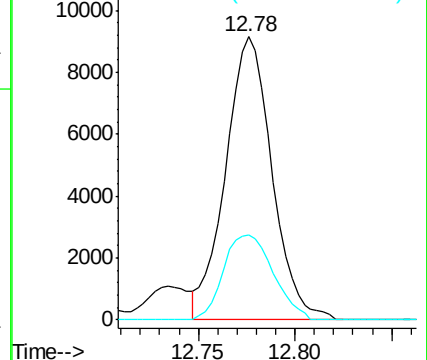
91 100

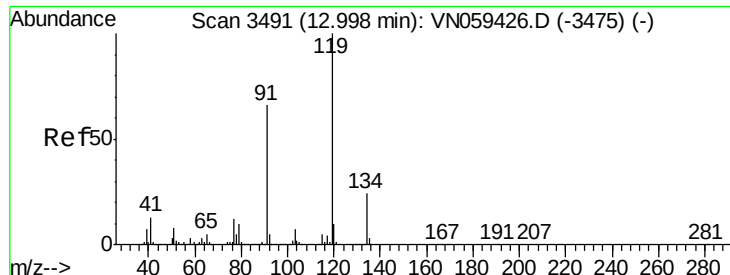
126 32.1 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

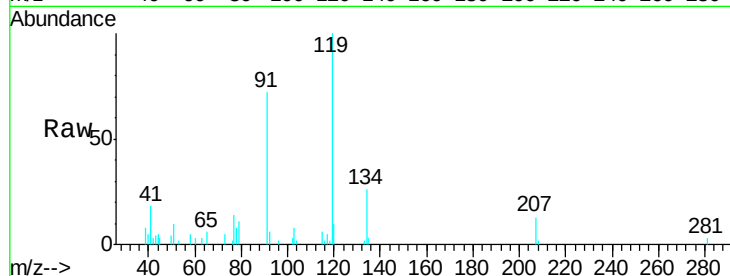




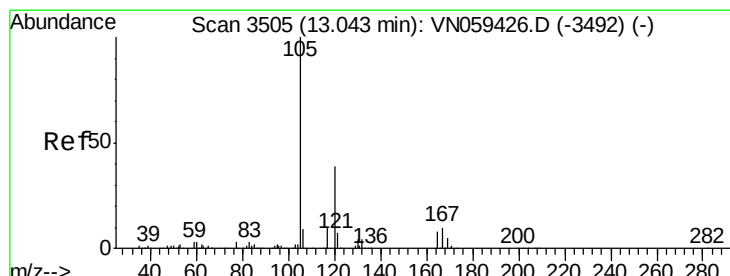
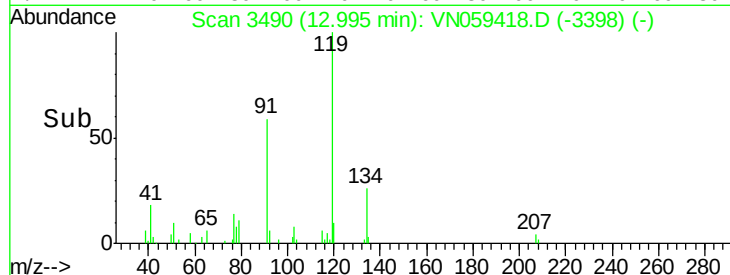
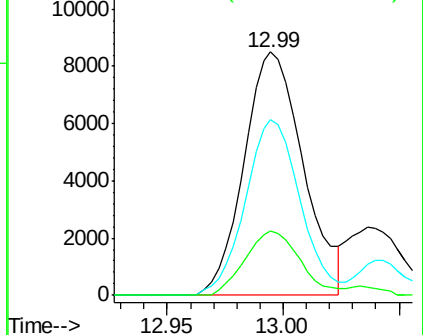
#83
tert-Butylbenzene
Concen: 1.713 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 15122
Ion Ratio Lower Upper
119 100
91 67.1 32.8 98.4
134 24.4 12.9 38.6

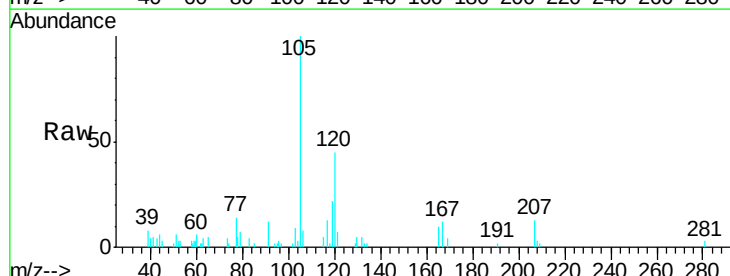


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

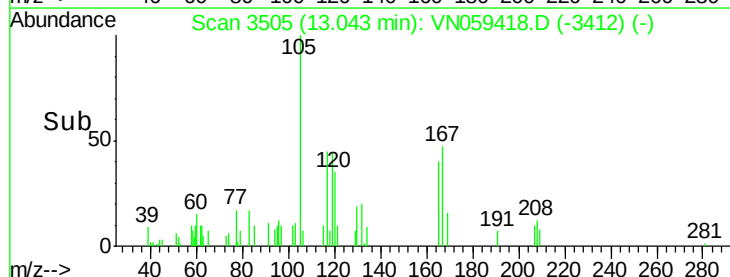
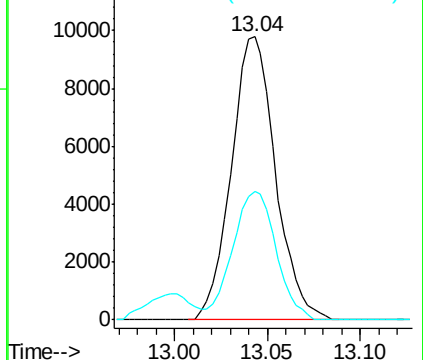


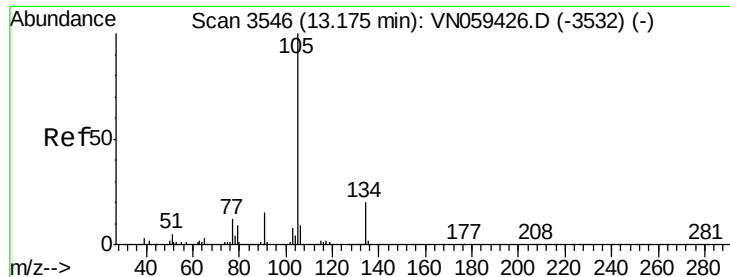
#84
1,2,4-Trimethylbenzene
Concen: 1.606 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion:105 Resp: 16175
Ion Ratio Lower Upper
105 100
120 44.9 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 1.714 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

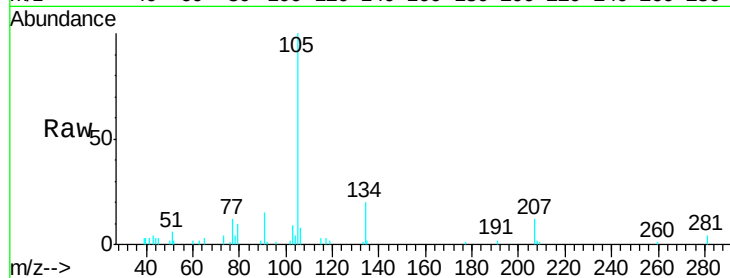
VSTDIC001

Tgt Ion:105 Resp: 20097

Ion Ratio Lower Upper

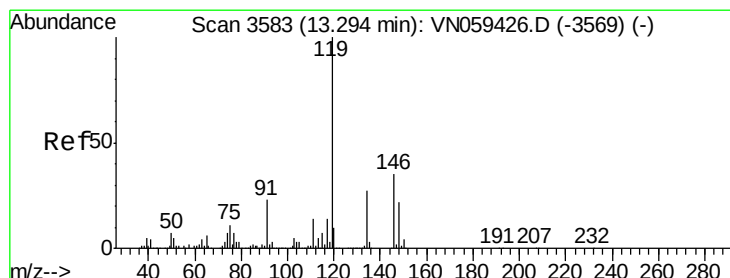
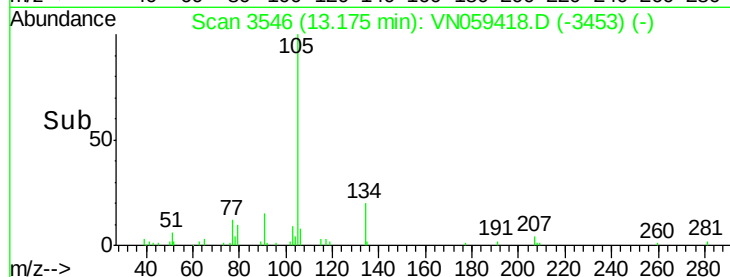
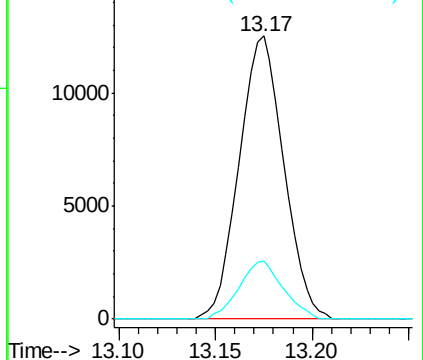
105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.713 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

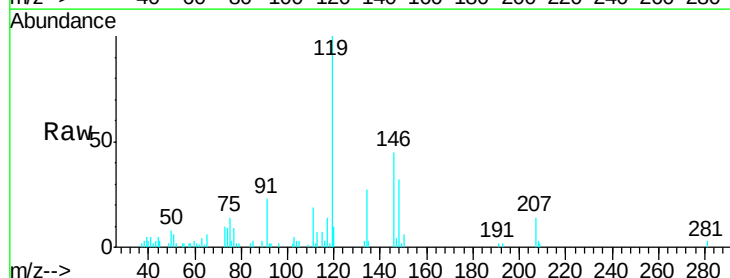
Tgt Ion:119 Resp: 18156

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

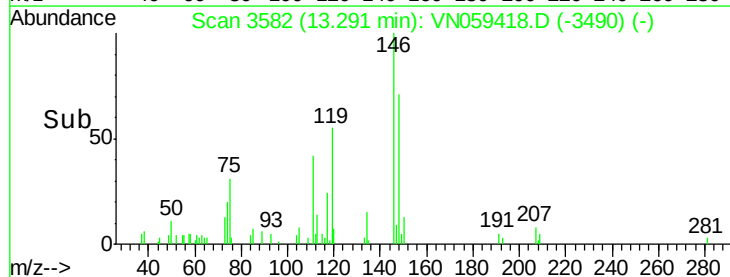
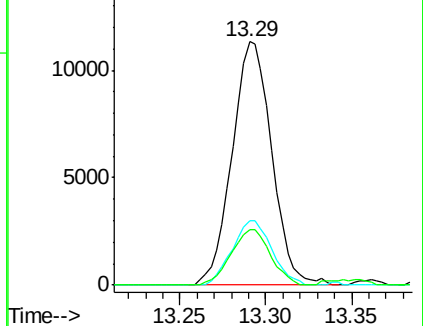
91 22.6 11.5 34.4

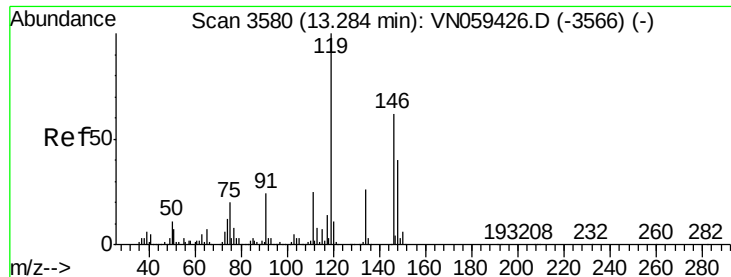


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

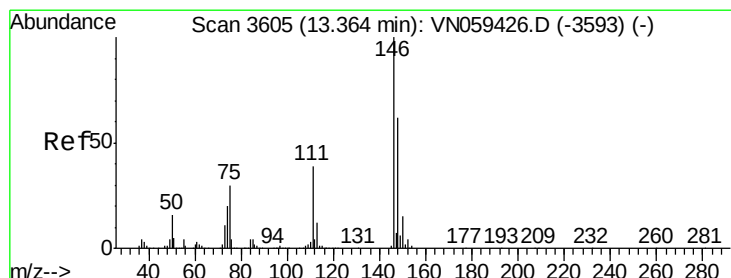
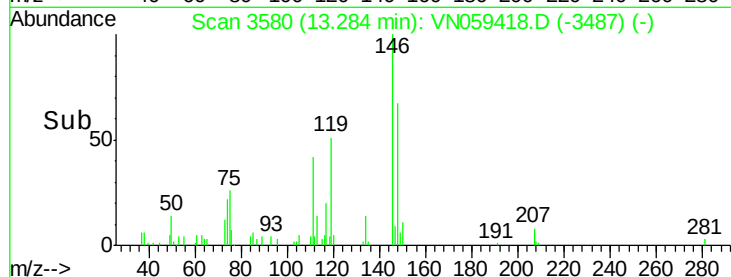
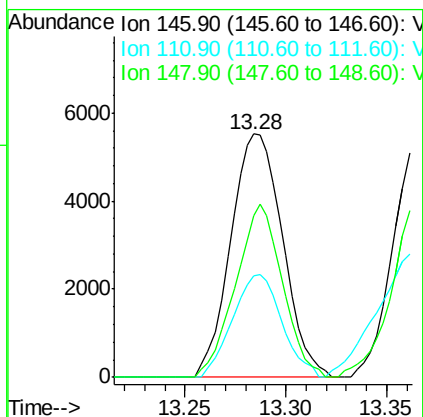
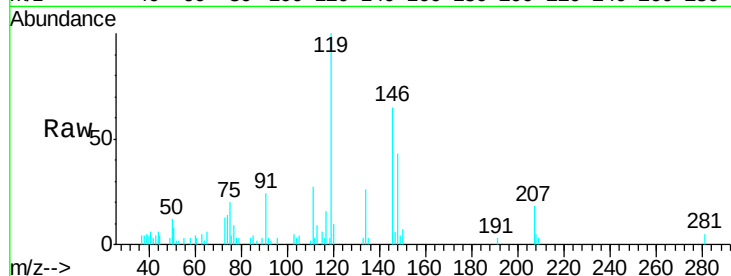




#87
 1,3-Dichlorobenzene
 Concen: 1.872 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

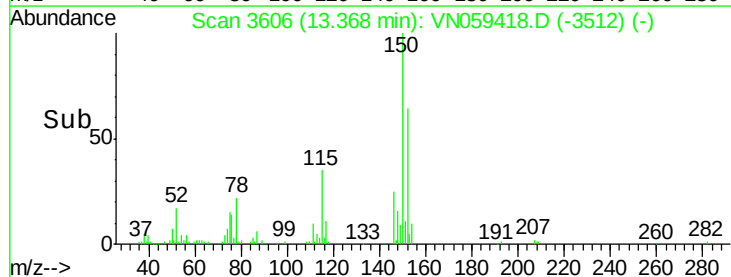
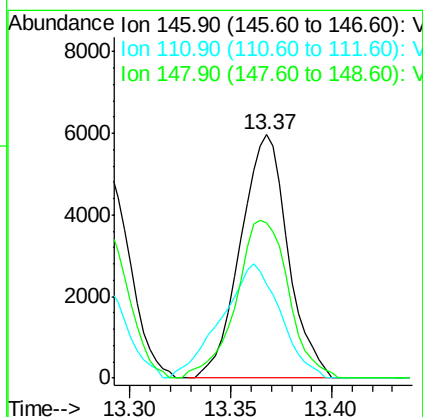
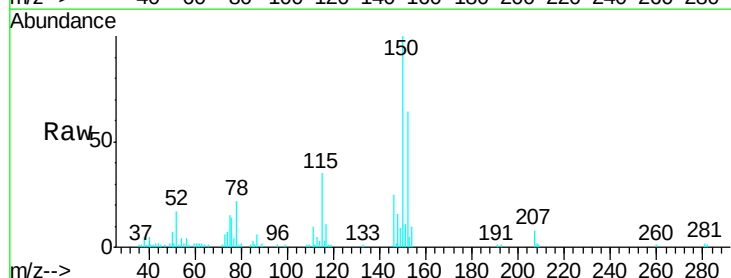
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

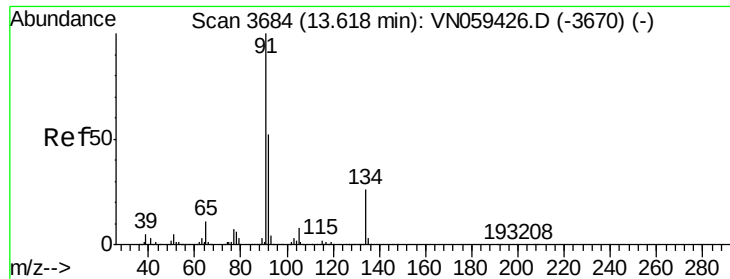
Tgt Ion:146 Resp: 9934
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.4 61.2
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 1.846 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion:146 Resp: 9838
 Ion Ratio Lower Upper
 146 100
 111 57.8 19.9 59.7
 148 71.7 31.6 95.0





#89

n-Butylbenzene

Concen: 1.772 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

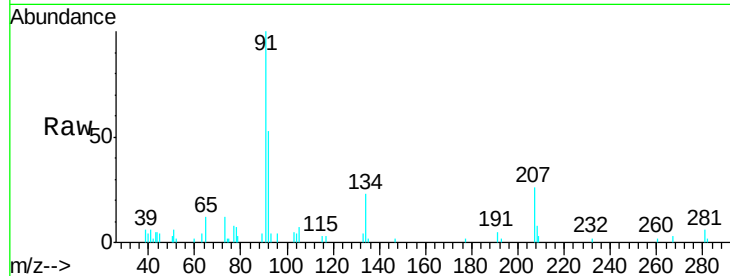
Tgt Ion: 91 Resp: 16414

Ion Ratio Lower Upper

91 100

92 50.8 25.9 77.8

134 23.7 12.8 38.4

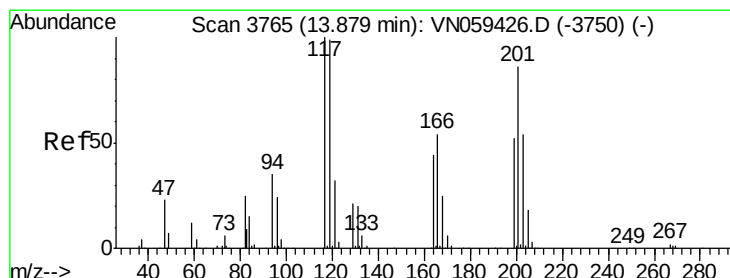
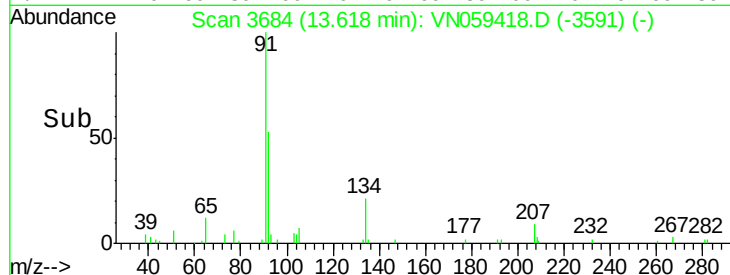


Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN059426.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN059426.D (-3670) (-)

Time-->



#90

Hexachloroethane

Concen: 1.629 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN059418.D

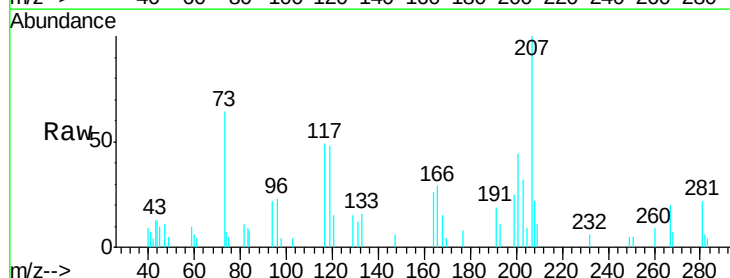
Acq: 27 Nov 2019 12:39

Tgt Ion: 117 Resp: 3300

Ion Ratio Lower Upper

117 100

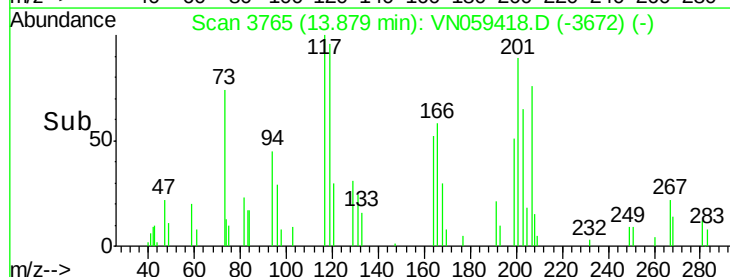
201 82.7 42.1 126.4

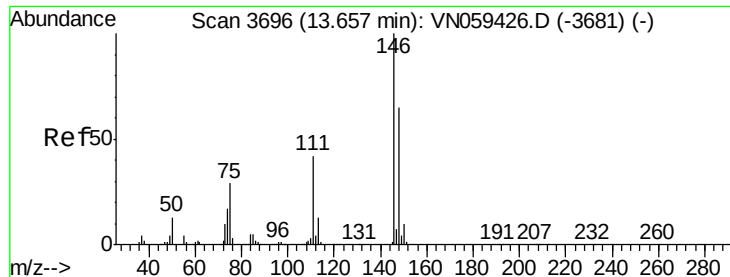


Abundance Ion 116.80 (116.50 to 117.50): VN059426.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059426.D (-3750) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 1.842 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

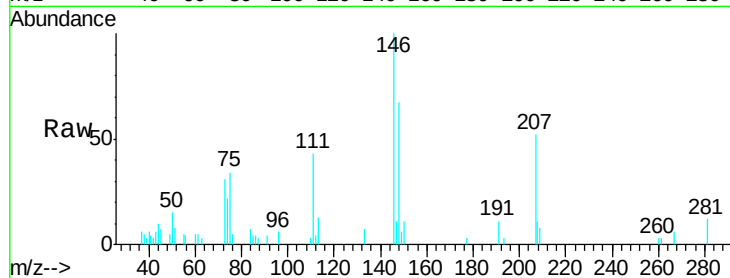
Tgt Ion:146 Resp: 9577

Ion Ratio Lower Upper

146 100

111 41.5 21.3 63.7

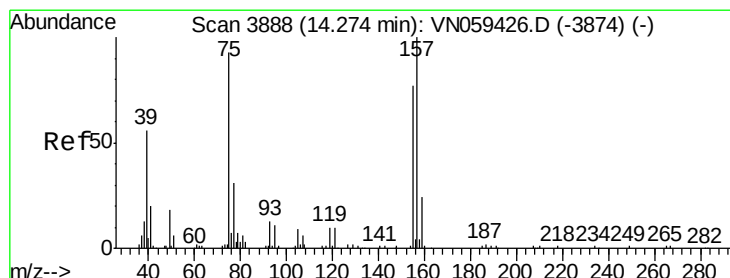
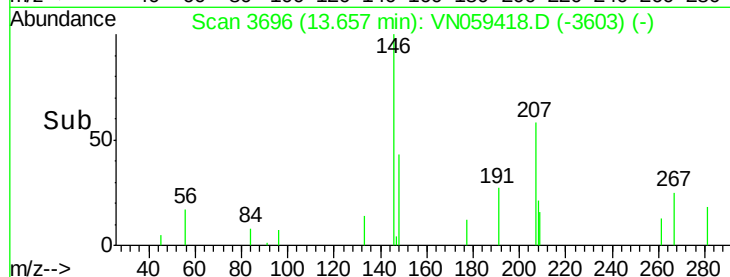
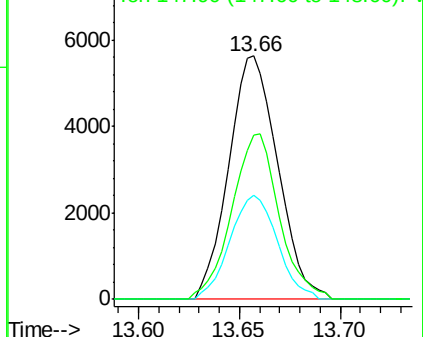
148 65.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.816 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN059418.D

Acq: 27 Nov 2019 12:39

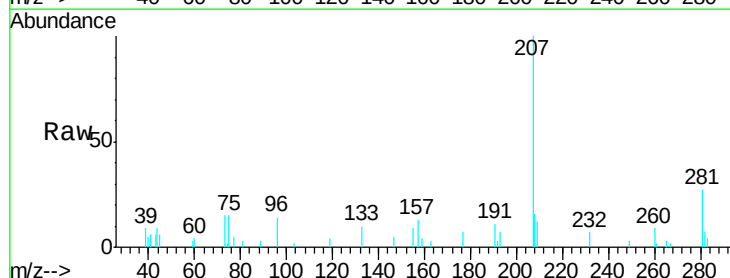
Tgt Ion: 75 Resp: 1645

Ion Ratio Lower Upper

75 100

155 58.6 41.9 125.8

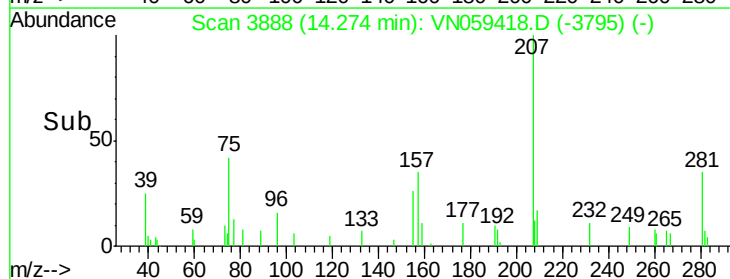
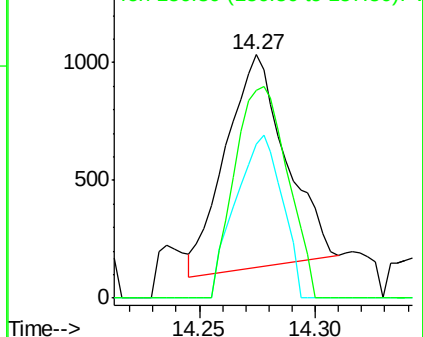
157 86.9 54.1 162.3

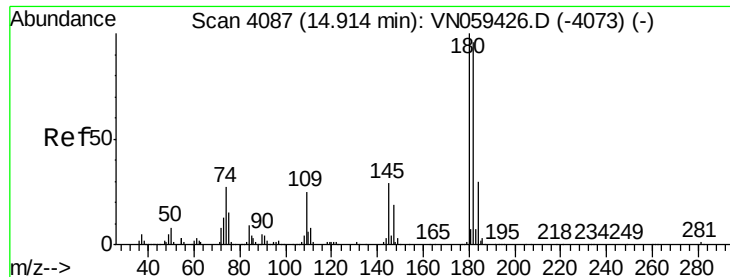


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

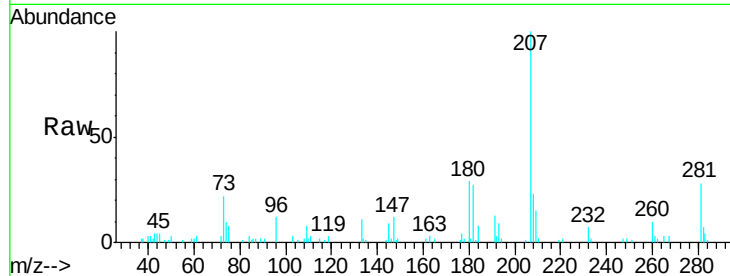




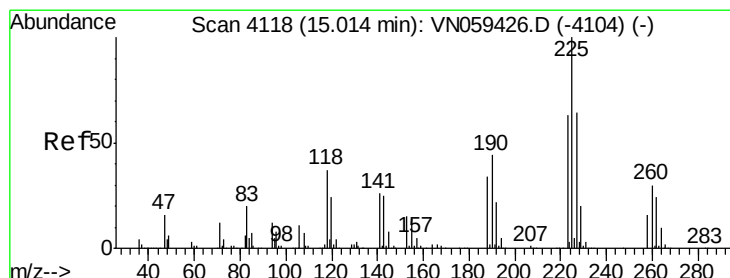
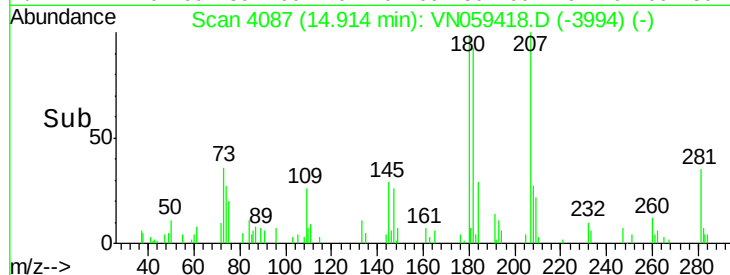
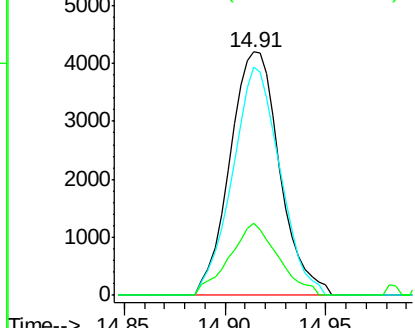
#93
 1,2,4-Trichlorobenzene
 Concen: 2.237 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 7232
 Ion Ratio Lower Upper
 180 100
 182 89.6 47.3 142.0
 145 29.0 14.8 44.4

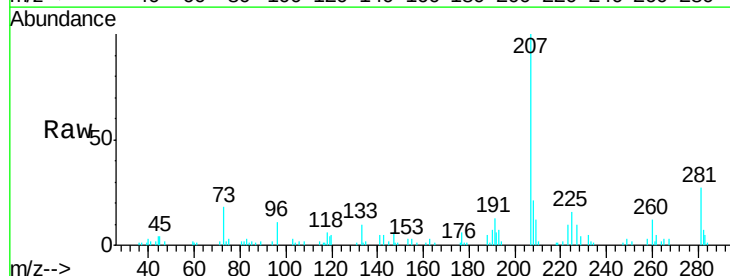


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

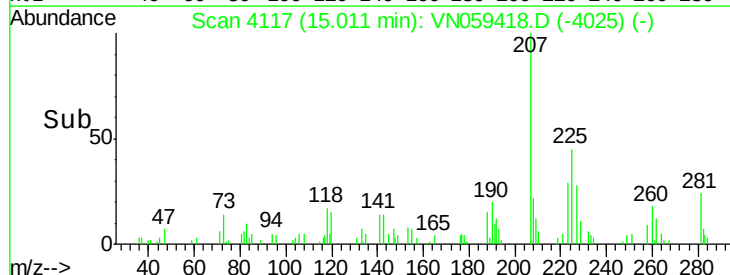
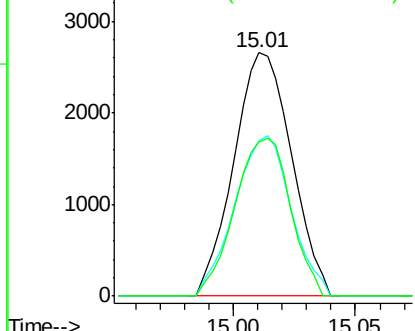


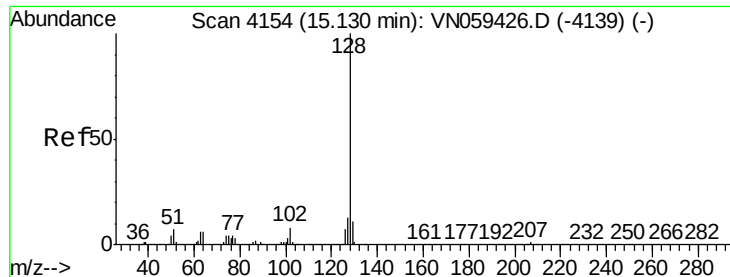
#94
 Hexachlorobutadiene
 Concen: 2.201 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059418.D
 Acq: 27 Nov 2019 12:39

Tgt Ion:225 Resp: 4360
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.5 94.5
 227 62.4 31.9 95.7



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

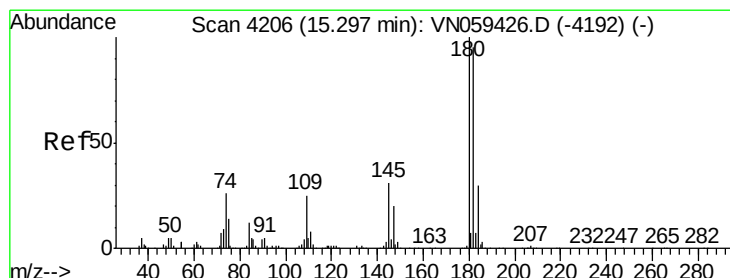
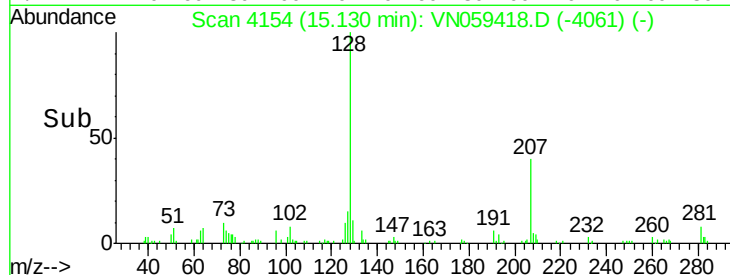
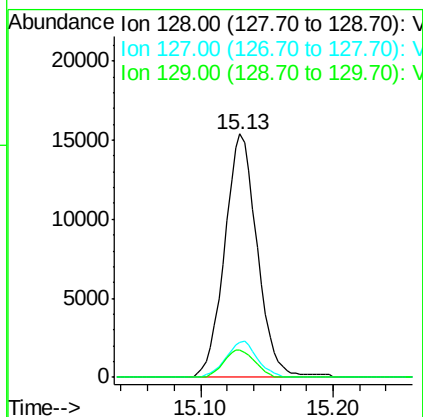
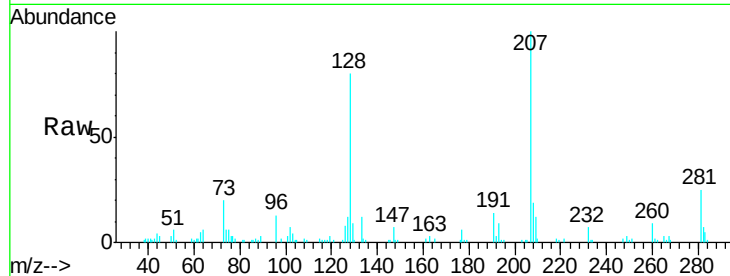




#95
Naphthalene
Concen: 2.876 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 26271
Ion Ratio Lower Upper
128 100
127 14.1 10.1 15.1
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.417 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059418.D
Acq: 27 Nov 2019 12:39

Tgt Ion:180 Resp: 8323
Ion Ratio Lower Upper
180 100
182 91.9 47.5 142.6
145 38.7 15.7 47.1

