

Data File : VN059319.D
Acq On : 20 Nov 2019 11:46
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Nov 20 15:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 14:34:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	411832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231045	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	22709	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
35) Dibromofluoromethane	7.57	113	17718	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
50) Toluene-d8	10.08	98	69773	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.40	95	22372	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	25207	6.075 ug/l	98
3) Chloromethane	2.04	50	30750	5.452 ug/l	97
4) Vinyl Chloride	2.17	62	30518	5.581 ug/l	96
5) Bromomethane	2.54	94	18957	6.024 ug/l	94
6) Chloroethane	2.68	64	18432	5.698 ug/l	100
7) Trichlorofluoromethane	3.00	101	36874	5.637 ug/l	96
8) Diethyl Ether	3.39	74	14592	5.490 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	22636	5.740 ug/l	98
10) Methyl Iodide	3.93	142	21088	4.320 ug/l	99
11) Tert butyl alcohol	4.75	59	23629	24.491 ug/l #	87
12) 1,1-Dichloroethene	3.71	96	22597	5.882 ug/l	99
13) Acrolein	3.58	56	20576	41.365 ug/l	99
14) Allyl chloride	4.30	41	41957	5.317 ug/l	99
15) Acrylonitrile	4.96	53	63268	26.350 ug/l	99
16) Acetone	3.79	43	54268	20.614 ug/l	91
17) Carbon Disulfide	4.03	76	70414	5.904 ug/l	98
18) Methyl Acetate	4.30	43	33765	5.404 ug/l	99
19) Methyl tert-butyl Ether	5.01	73	70274	5.313 ug/l	100
20) Methylene Chloride	4.53	84	25105	5.474 ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	23404	5.675 ug/l	96
22) Diisopropyl ether	5.92	45	77583	5.205 ug/l #	86
23) Vinyl Acetate	5.87	43	312884	27.084 ug/l	100
24) 1,1-Dichloroethane	5.82	63	44195	5.309 ug/l	99
25) 2-Butanone	6.81	43	81704	23.549 ug/l	98
26) 2,2-Dichloropropane	6.79	77	38438	5.280 ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	26566	5.553 ug/l	97
28) Bromochloromethane	7.17	49	9420	3.761 ug/l #	98
29) Tetrahydrofuran	7.19	42	57313	25.997 ug/l	98
30) Chloroform	7.35	83	45802	5.735 ug/l	97
31) Cyclohexane	7.63	56	48876	6.201 ug/l #	79
32) 1,1,1-Trichloroethane	7.55	97	37868	5.640 ug/l	98
36) 1,1-Dichloropropene	7.77	75	32207	5.263 ug/l	99
37) Ethyl Acetate	6.91	43	34346	5.045 ug/l	98
38) Carbon Tetrachloride	7.75	117	32714	5.371 ug/l	94

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ClientSampleId :
VSTDIC005

Quant Time: Nov 20 15:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 14:34:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	40169	5.656	ug/l	96
40) Benzene	8.02	78	98760	5.359	ug/l	100
41) Methacrylonitrile	7.19	41	51458	17.382	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	32809	5.191	ug/l	98
43) Isopropyl Acetate	8.15	43	53805	4.957	ug/l	99
44) Trichloroethene	8.82	130	24602	5.431	ug/l	97
45) 1,2-Dichloropropane	9.11	63	26101	5.214	ug/l	98
46) Dibromomethane	9.20	93	16420	5.264	ug/l	100
47) Bromodichloromethane	9.39	83	31947	5.129	ug/l	95
48) Methyl methacrylate	9.19	41	22528	4.640	ug/l	99
49) 1,4-Dioxane	9.19	88	7451	86.360	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	158339	25.783	ug/l	99
52) Toluene	10.15	92	59393	5.377	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	35598	4.947	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	39850	5.148	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	23667	5.294	ug/l	96
56) Ethyl methacrylate	10.42	69	31035	4.677	ug/l	97
57) 1,3-Dichloropropane	10.70	76	39623	5.150	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	45141	18.145	ug/l	100
59) 2-Hexanone	10.75	43	108871	23.096	ug/l	100
60) Dibromochloromethane	10.90	129	22584	4.778	ug/l	99
61) 1,2-Dibromoethane	11.00	107	22850	5.049	ug/l	99
64) Tetrachloroethene	10.63	164	22229	5.755	ug/l	97
65) Chlorobenzene	11.43	112	61188	5.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	22189	5.341	ug/l	97
67) Ethyl Benzene	11.51	91	108788	5.537	ug/l	99
68) m/p-Xylenes	11.62	106	76818	10.437	ug/l	96
69) o-Xylene	11.95	106	38255	5.378	ug/l	95
70) Styrene	11.96	104	54600	4.881	ug/l	99
71) Bromoform	12.13	173	14798	4.580	ug/l #	98
73) Isopropylbenzene	12.25	105	100788	5.997	ug/l	98
74) N-amyl acetate	12.07	43	35379	4.968	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	33134	5.789	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	42091	8.002	ug/l #	100
77) Bromobenzene	12.53	156	23920	5.665	ug/l	97
78) n-propylbenzene	12.59	91	109897	5.711	ug/l	100
79) 2-Chlorotoluene	12.68	91	68347	5.725	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	82425	5.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9865	4.954	ug/l	97
82) 4-Chlorotoluene	12.78	91	65582	5.477	ug/l	97
83) tert-Butylbenzene	12.99	119	70553	5.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	80248	5.824	ug/l	100
85) sec-Butylbenzene	13.17	105	93547	5.849	ug/l	100
86) p-Isopropyltoluene	13.29	119	81946	5.803	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	40783	5.640	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	39362	5.441	ug/l	93
89) n-Butylbenzene	13.62	91	67441	5.456	ug/l	100
90) Hexachloroethane	13.88	117	15086	5.320	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	39831	5.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7030	5.442	ug/l	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112019\
Quantitation Report (Not Reviewed)

Data File : VN059319.D
Acq On : 20 Nov 2019 11:46
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 20 15:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 14:34:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19433	5.100	ug/l	97
94) Hexachlorobutadiene	15.01	225	14929	6.087	ug/l	97
95) Naphthalene	15.13	128	51508	4.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	21754	5.457	ug/l	98

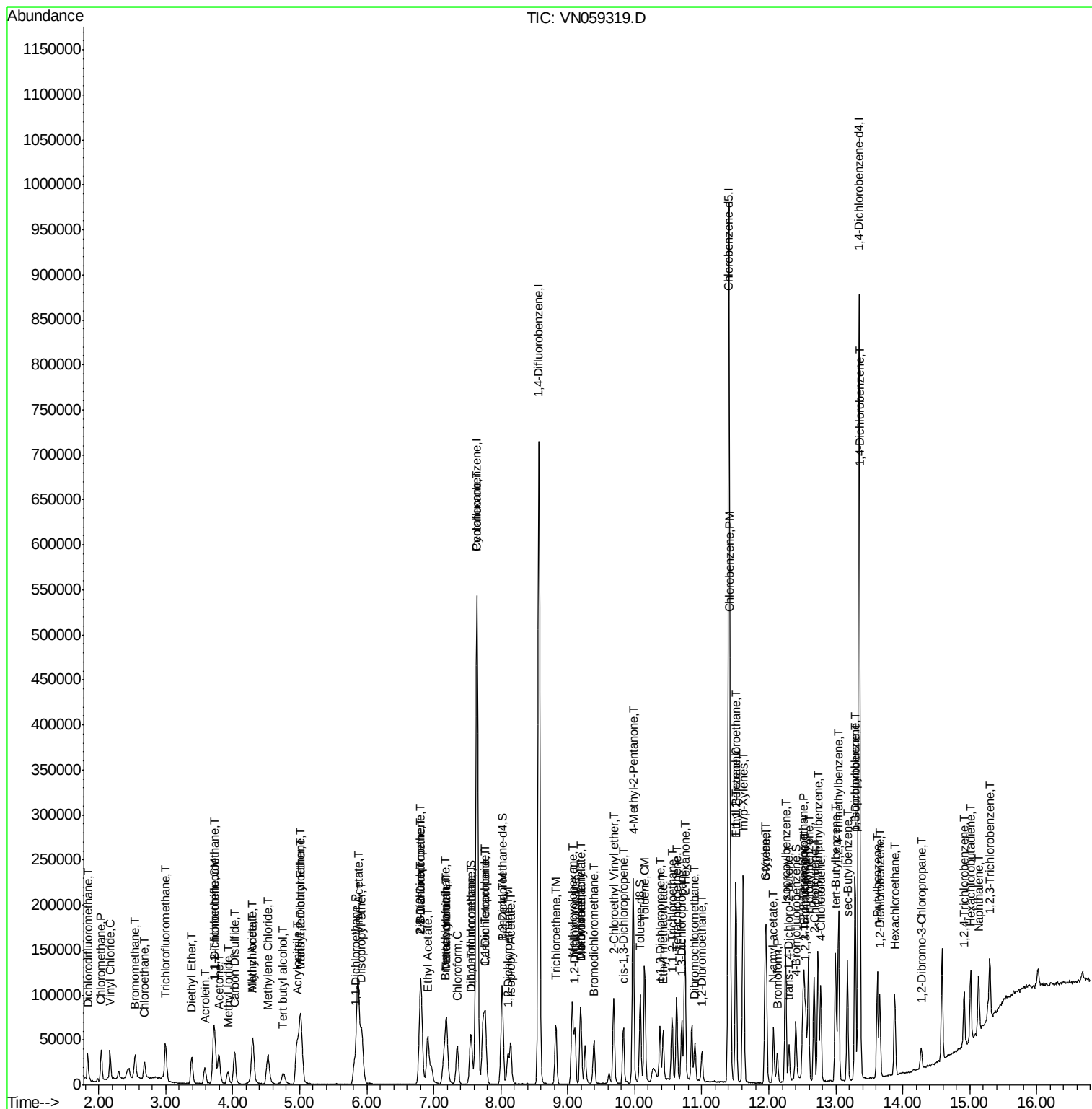
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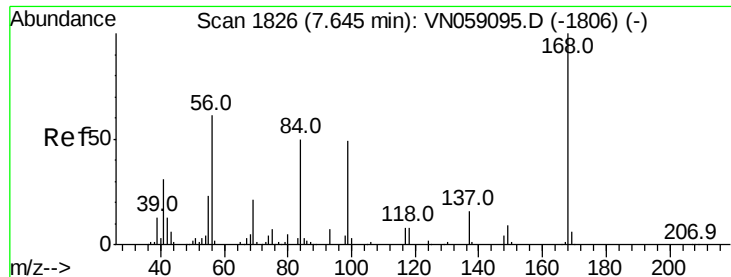
Data File : VN059319.D

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Acq On       : 20 Nov 2019   11:46
Operator    : JC/SP
Sample      : VSTDIC005
Misc       : 5.00mL/MSV0A_N/WATER
ALS Vial    : 4      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Nov 20 15:05:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 14:34:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

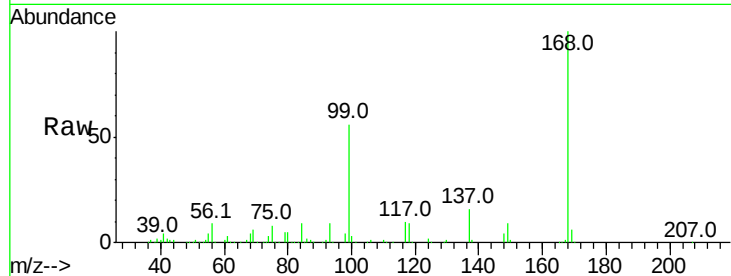
VSTDIC005

Tgt Ion:168 Resp: 411832

Ion Ratio Lower Upper

168 100

99 55.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

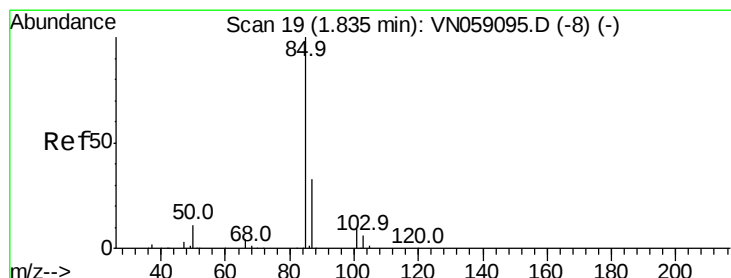
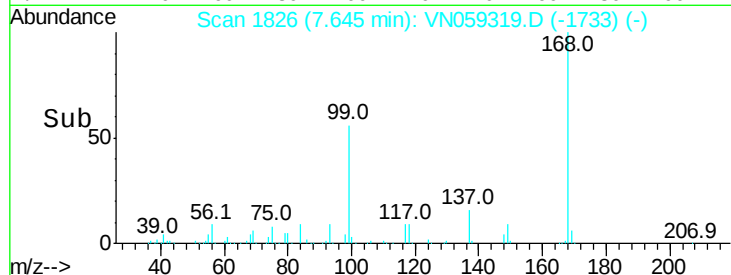
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 6.075 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059319.D

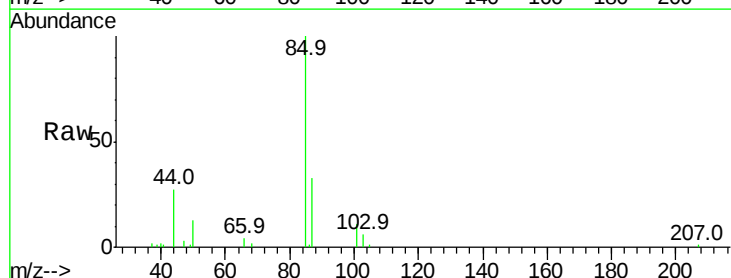
Acq: 20 Nov 2019 11:46

Tgt Ion: 85 Resp: 25207

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

20000

15000

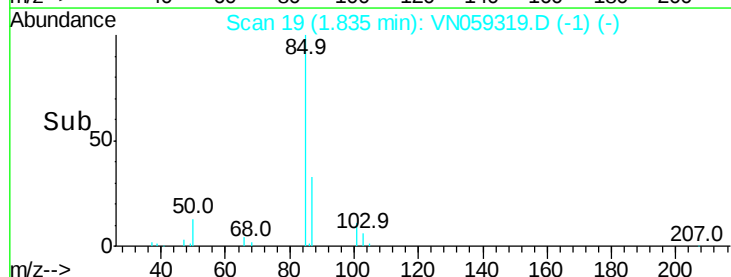
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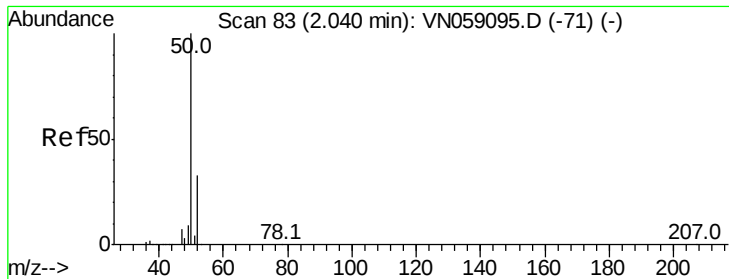
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.452 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

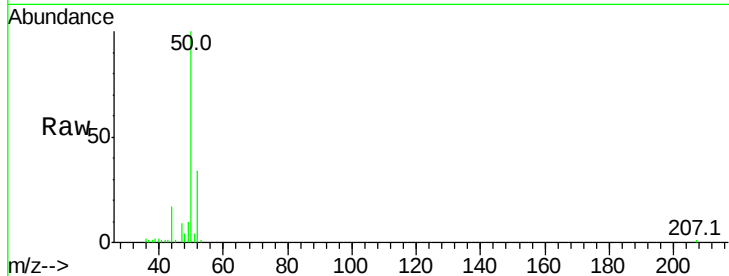
VSTDIC005

Tgt Ion: 50 Resp: 30750

Ion Ratio Lower Upper

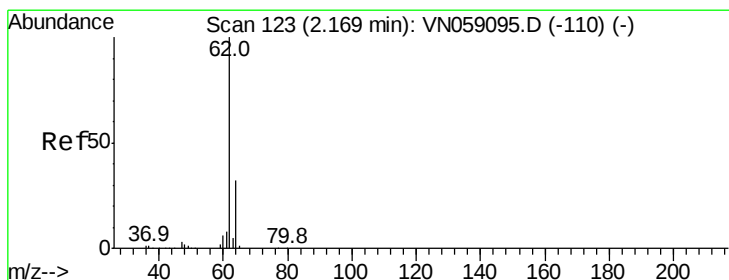
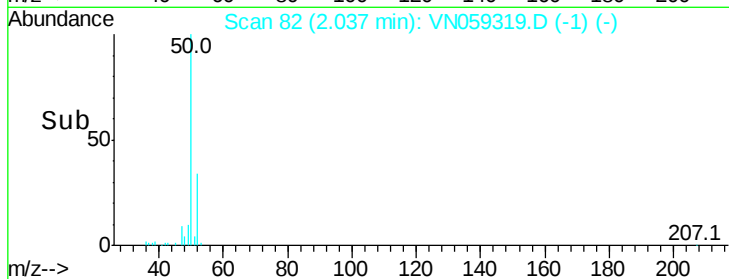
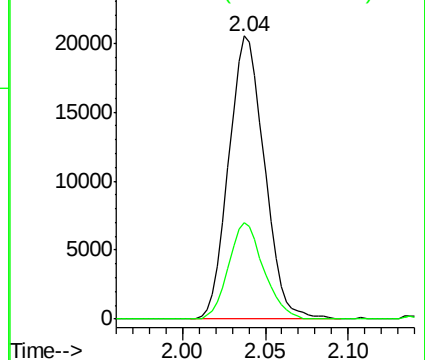
50 100

52 34.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.581 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059319.D

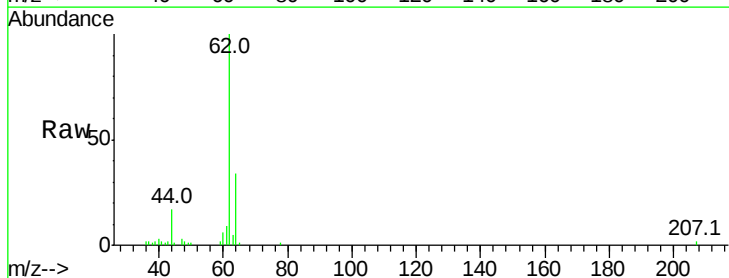
Acq: 20 Nov 2019 11:46

Tgt Ion: 62 Resp: 30518

Ion Ratio Lower Upper

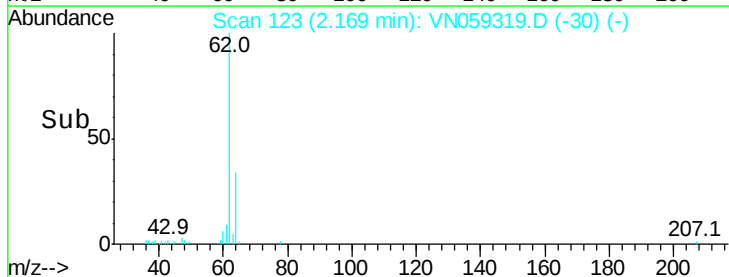
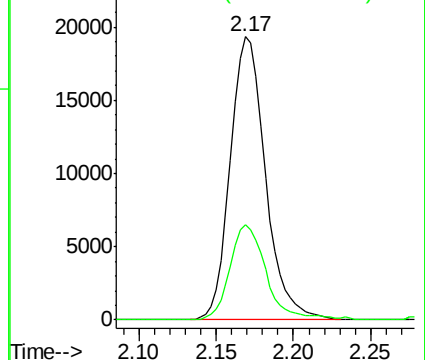
62 100

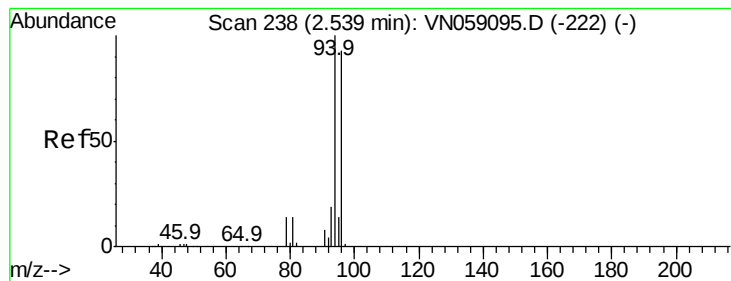
64 33.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 6.024 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

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ClientSampleId :

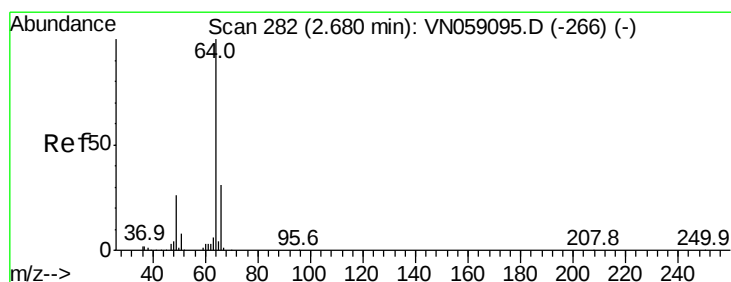
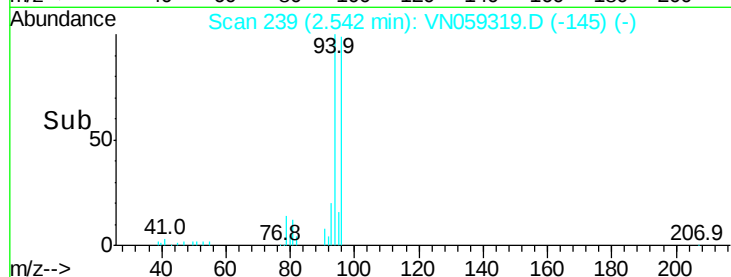
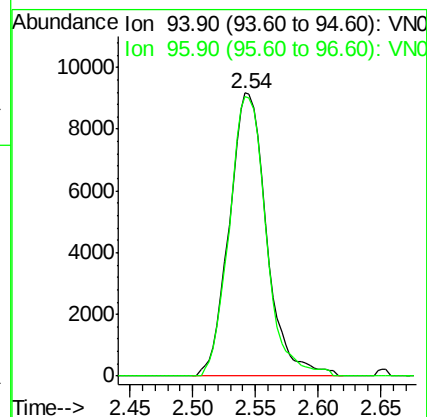
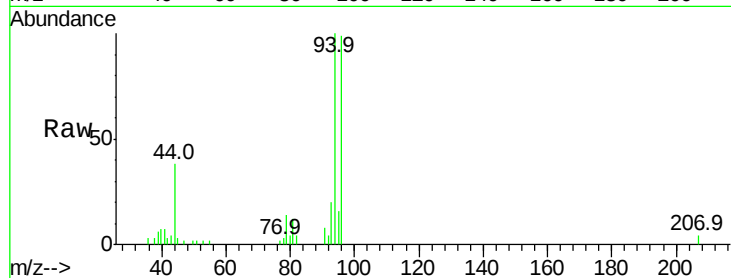
VSTDIC005

Tgt Ion: 94 Resp: 18957

Ion Ratio Lower Upper

94 100

96 98.7 74.2 111.2



#6

Chloroethane

Concen: 5.698 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059319.D

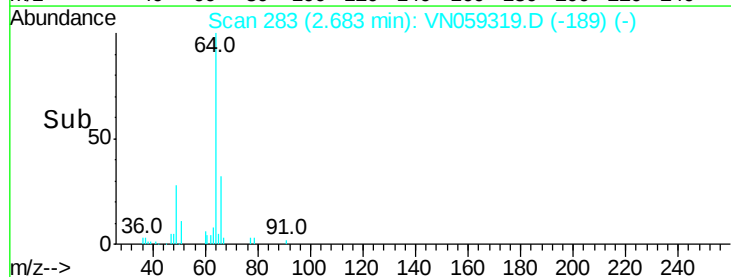
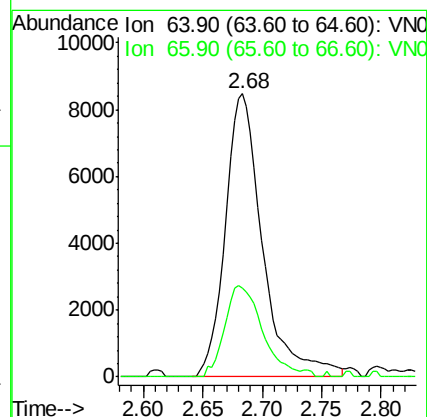
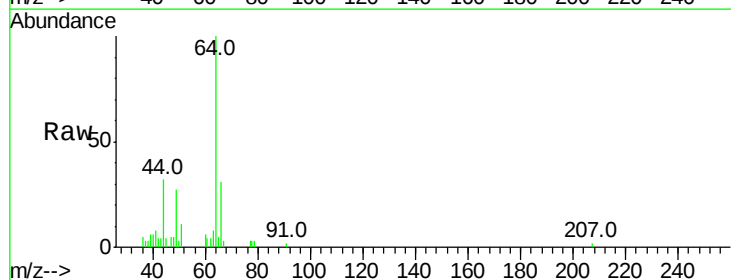
Acq: 20 Nov 2019 11:46

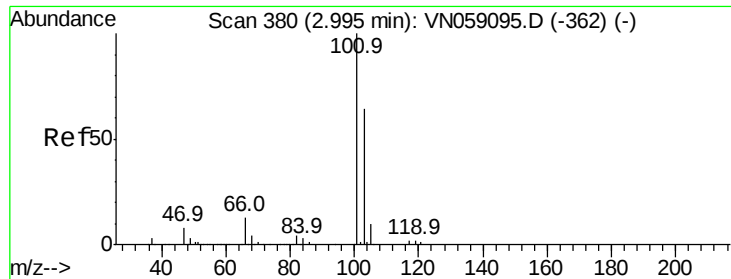
Tgt Ion: 64 Resp: 18432

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8



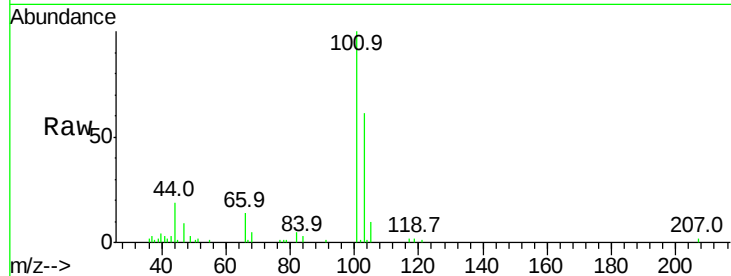


#7

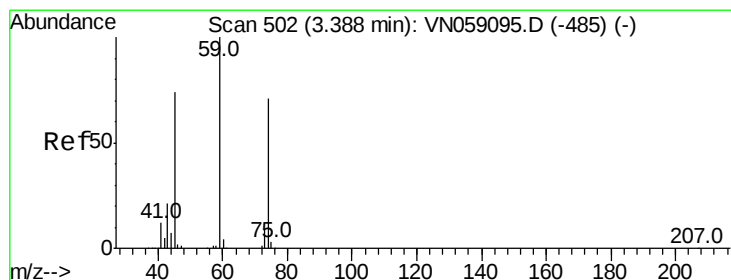
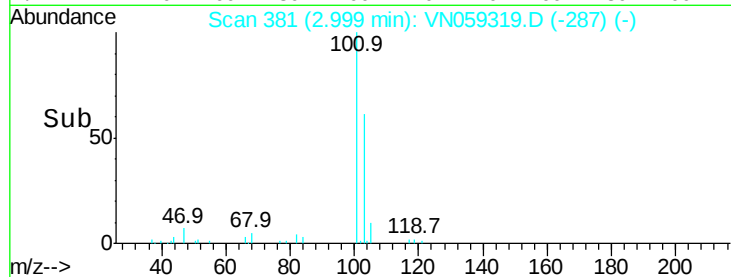
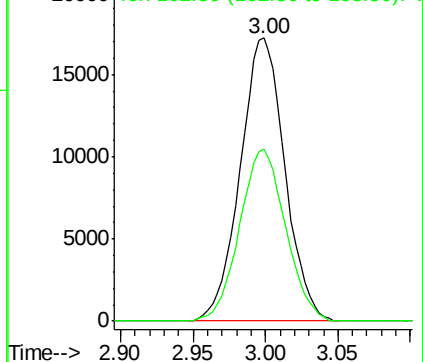
Trichlorofluoromethane
Concen: 5.637 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 36874
Ion Ratio Lower Upper
101 100
103 60.8 51.2 76.8



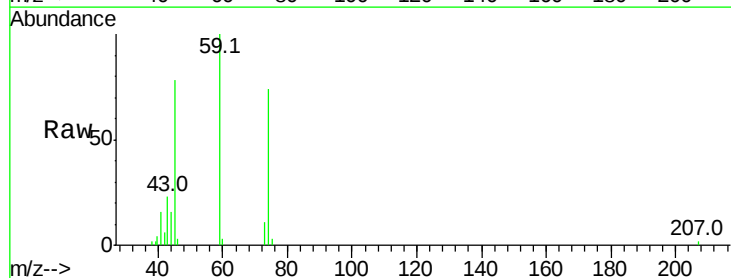
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



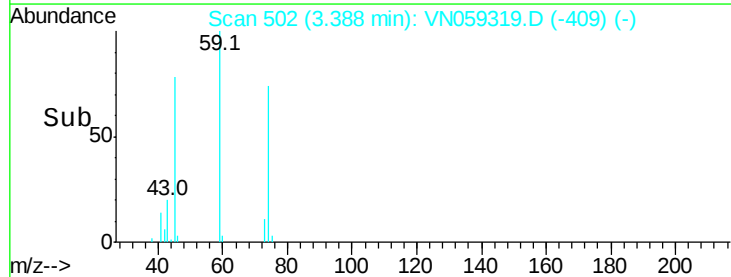
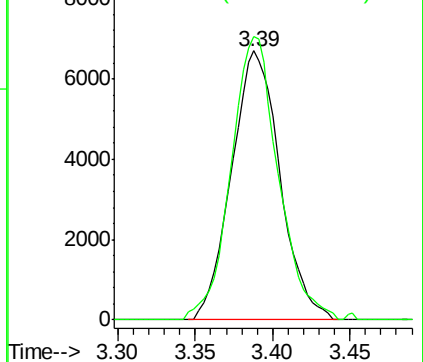
#8

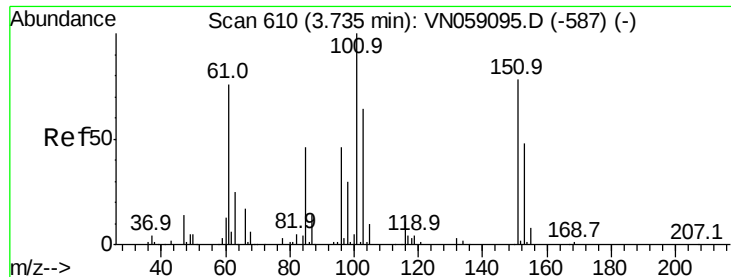
Diethyl Ether
Concen: 5.490 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 74 Resp: 14592
Ion Ratio Lower Upper
74 100
45 102.7 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.740 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

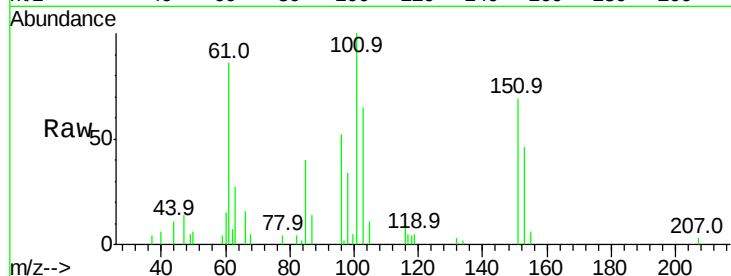
Tgt Ion:101 Resp: 22636

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

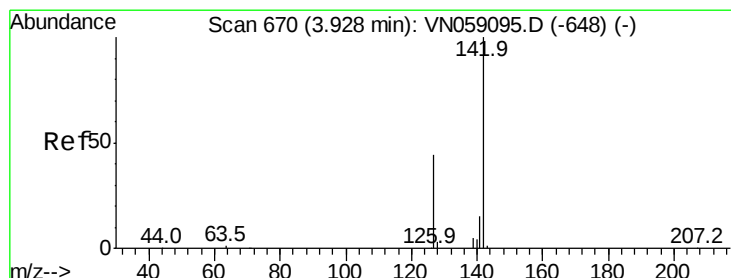
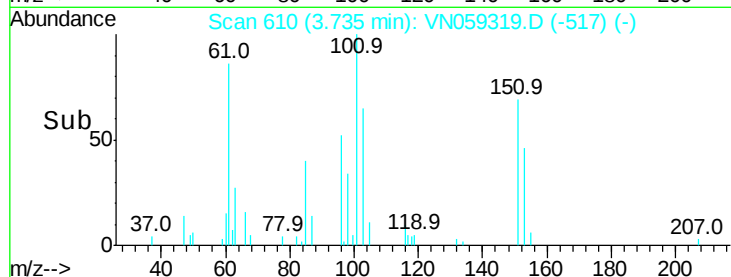
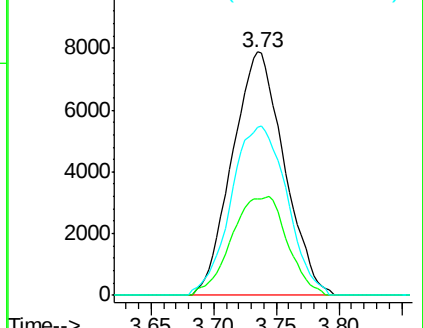
151 75.1 62.2 93.2



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: 4.320 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

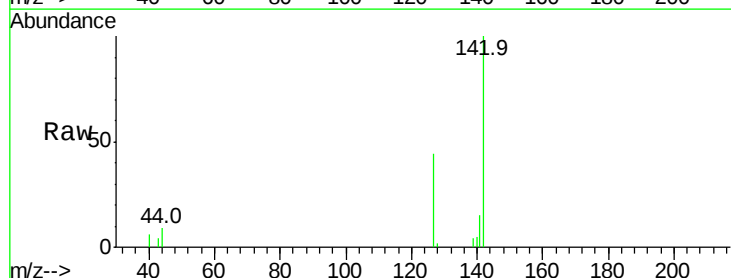
Tgt Ion:142 Resp: 21088

Ion Ratio Lower Upper

142 100

127 43.6 34.2 51.2

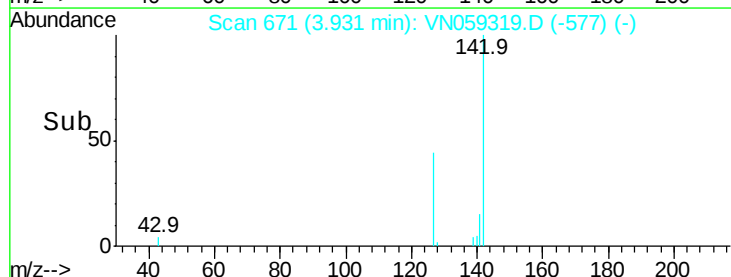
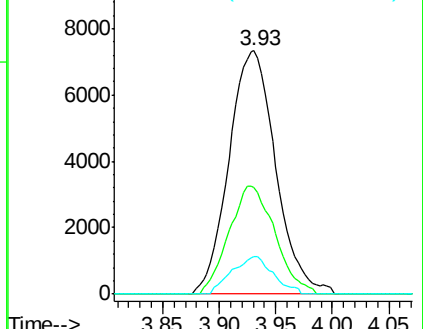
141 13.6 11.4 17.0

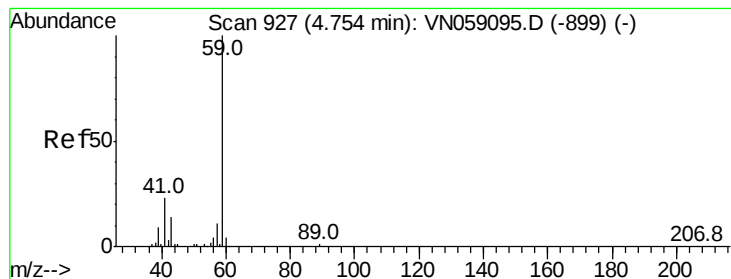


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 24.491 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

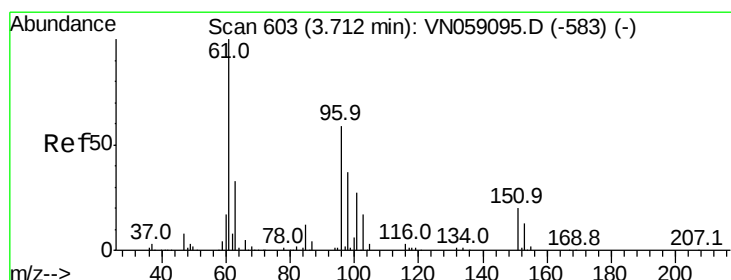
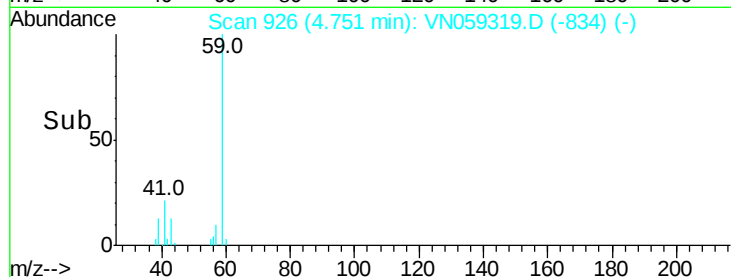
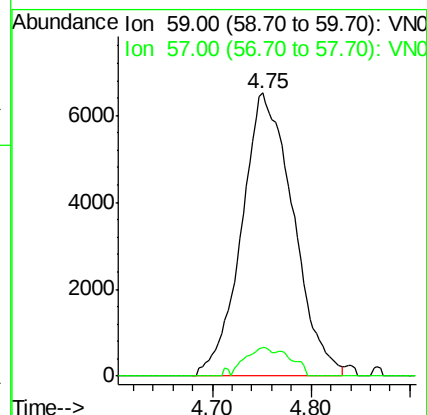
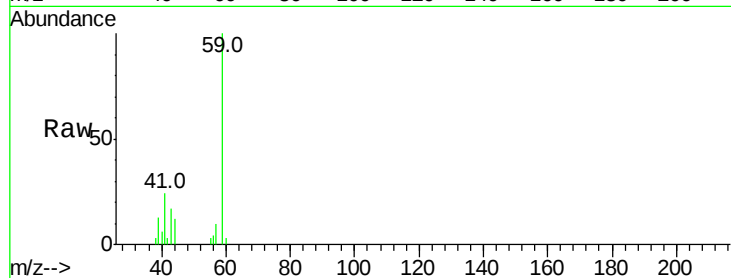
VSTDIC005

Tgt Ion: 59 Resp: 23629

Ion Ratio Lower Upper

59 100

57 5.6 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 5.882 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

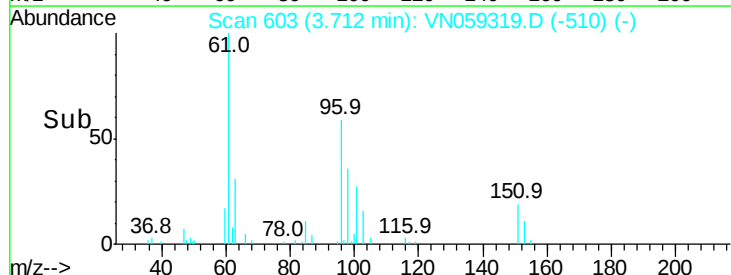
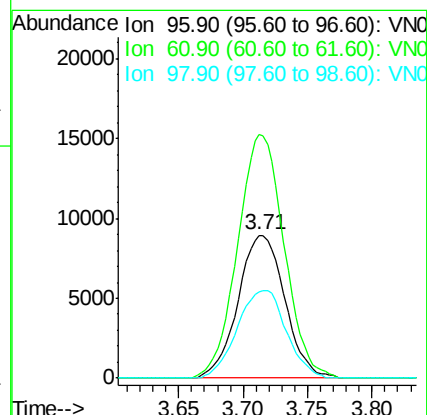
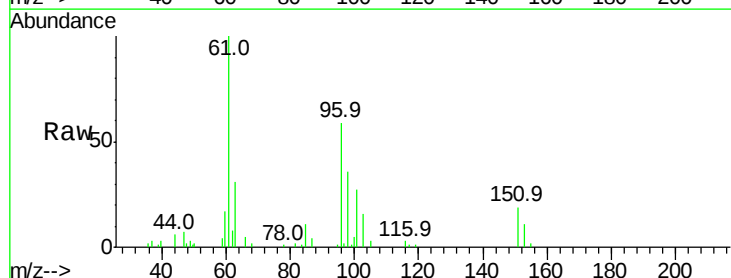
Tgt Ion: 96 Resp: 22597

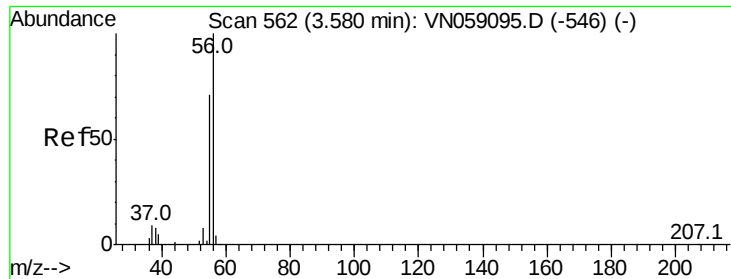
Ion Ratio Lower Upper

96 100

61 170.2 136.5 204.7

98 60.5 50.2 75.4





#13

Acrolein

Concen: 41.365 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

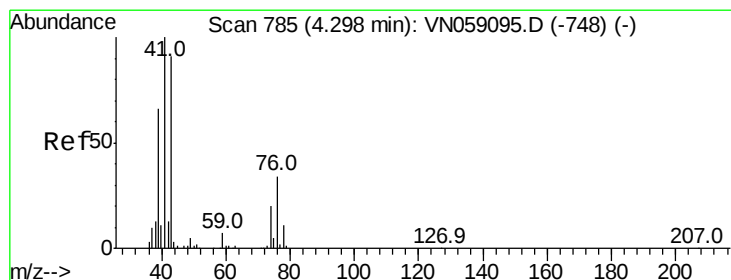
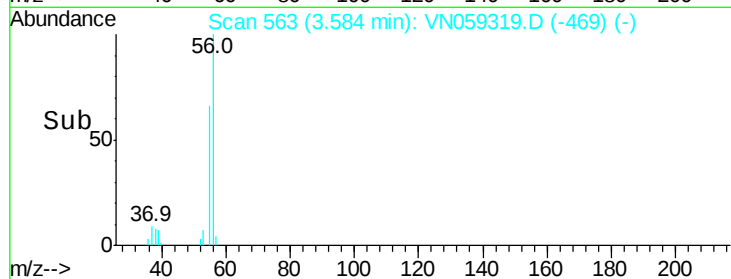
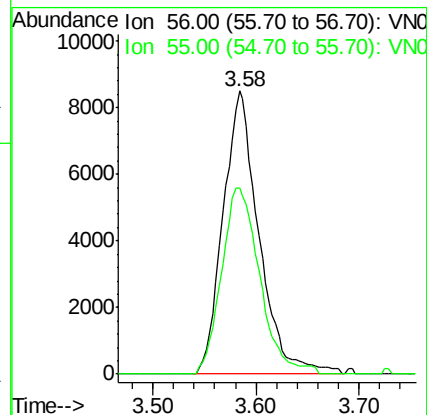
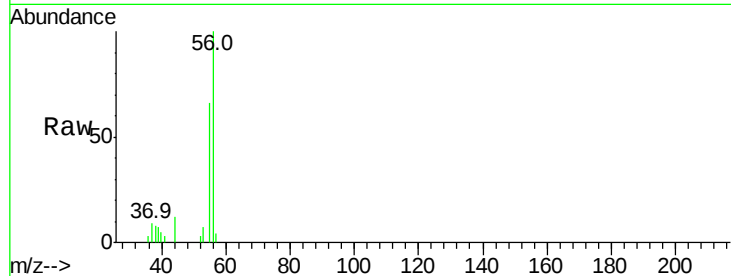
VSTDIC005

Tgt Ion: 56 Resp: 20576

Ion Ratio Lower Upper

56 100

55 70.0 56.4 84.6



#14

Allyl chloride

Concen: 5.317 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

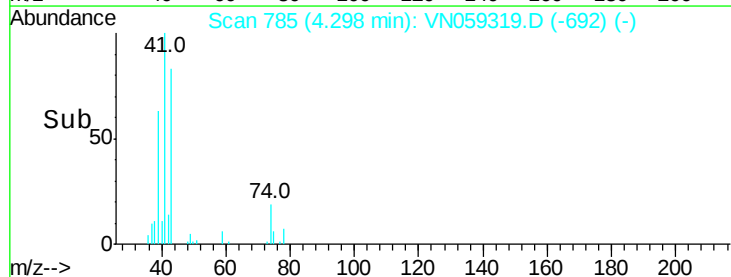
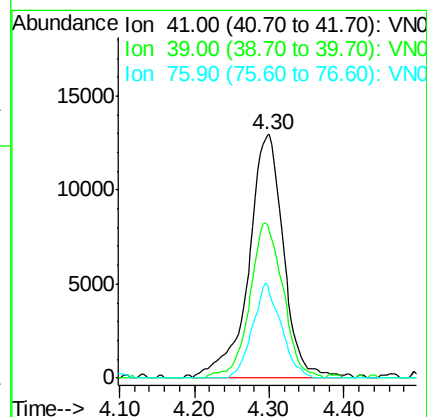
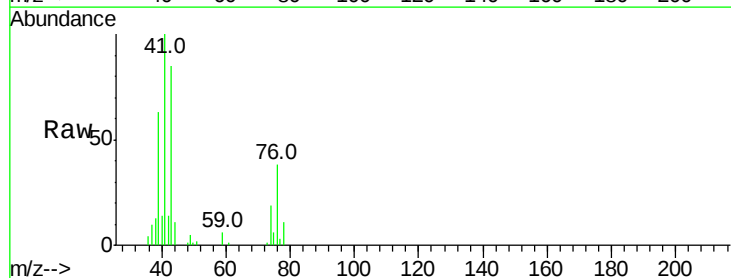
Tgt Ion: 41 Resp: 41957

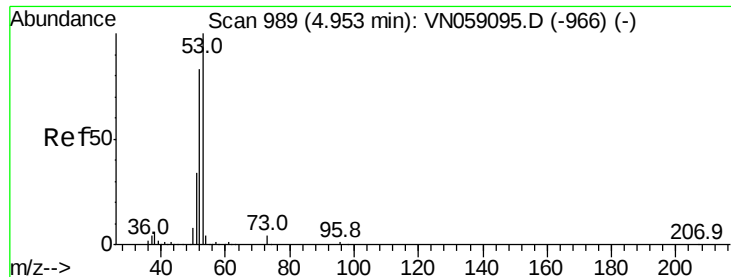
Ion Ratio Lower Upper

41 100

39 60.8 49.1 73.7

76 32.0 24.9 37.3





#15

Acrylonitrile

Concen: 26.350 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

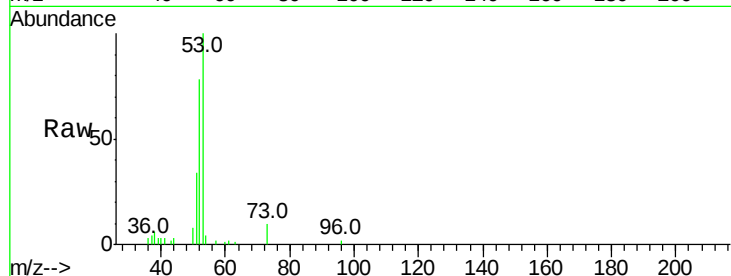
Tgt Ion: 53 Resp: 63268

Ion Ratio Lower Upper

53 100

52 80.8 65.0 97.6

51 34.7 28.0 42.0



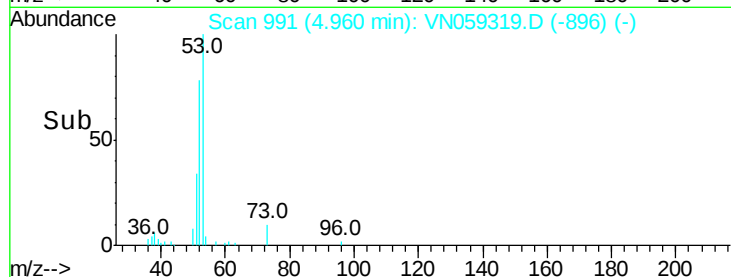
Abundance Ion 53.00 (52.70 to 53.70): VN059319.D (-991) (-)

Ion 52.00 (51.70 to 52.70): VN059319.D (-991) (-)

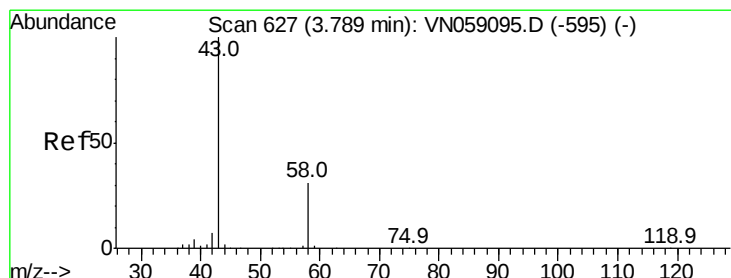
Ion 51.00 (50.70 to 51.70): VN059319.D (-991) (-)

4.96

Time-->



Time-->



#16

Acetone

Concen: 20.614 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059319.D

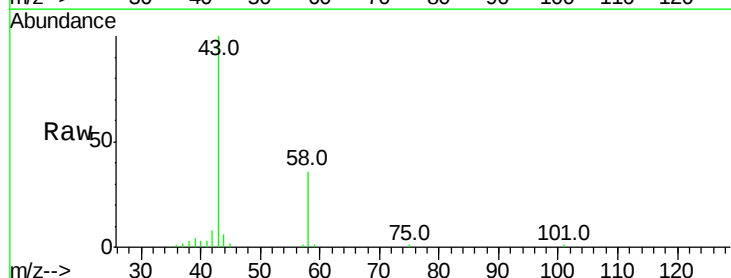
Acq: 20 Nov 2019 11:46

Tgt Ion: 43 Resp: 54268

Ion Ratio Lower Upper

43 100

58 35.9 24.9 37.3

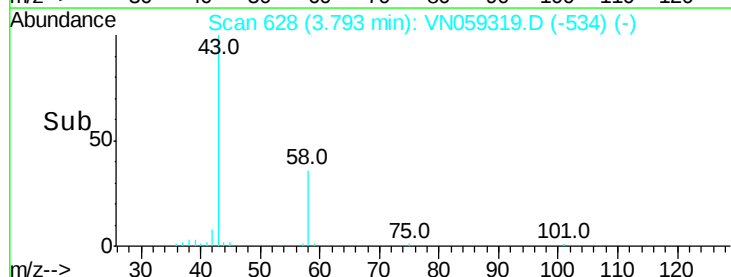


Abundance Ion 43.00 (42.70 to 43.70): VN059319.D (-628) (-)

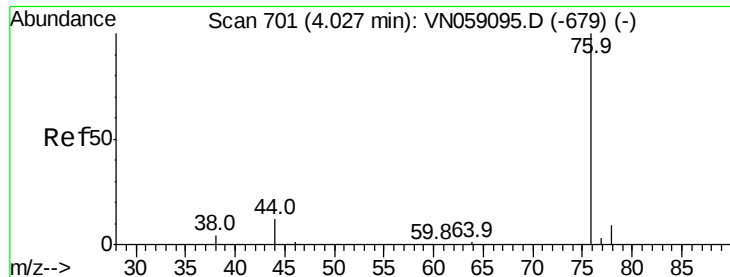
Ion 58.00 (57.70 to 58.70): VN059319.D (-628) (-)

3.79

Time-->



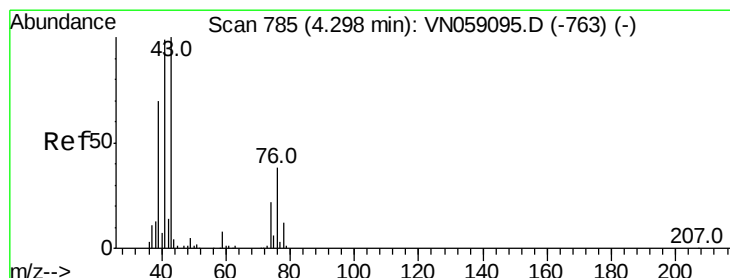
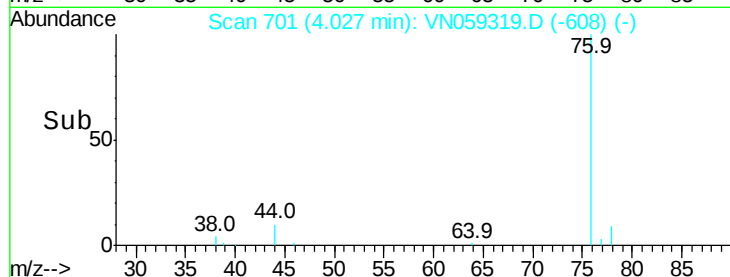
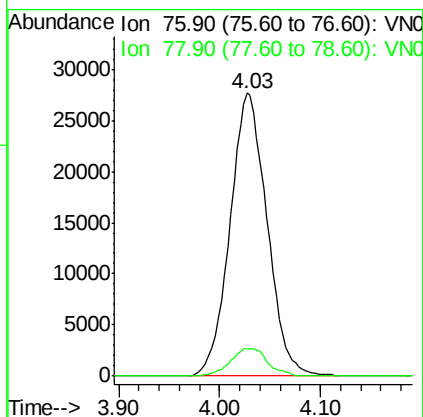
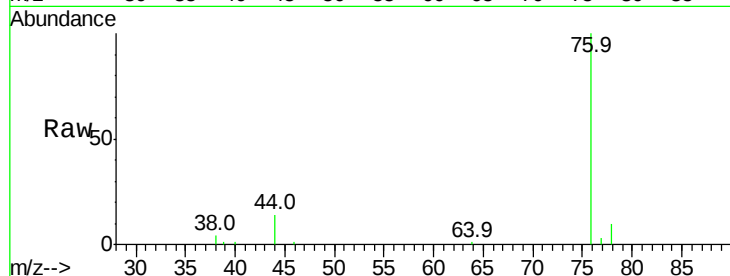
Time-->



#17
Carbon Disulfide
Concen: 5.904 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

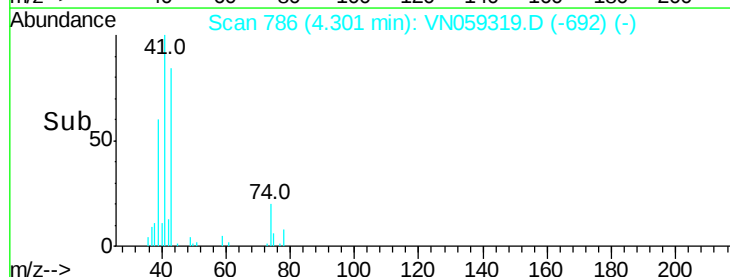
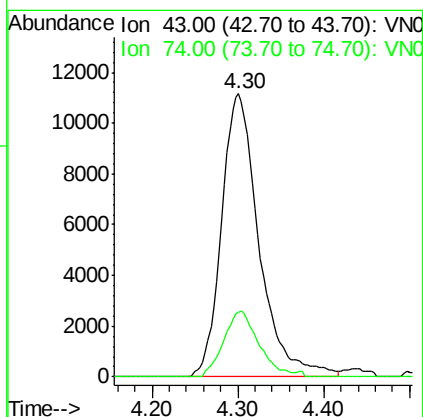
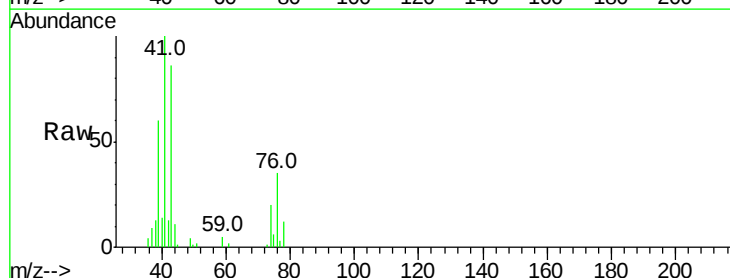
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

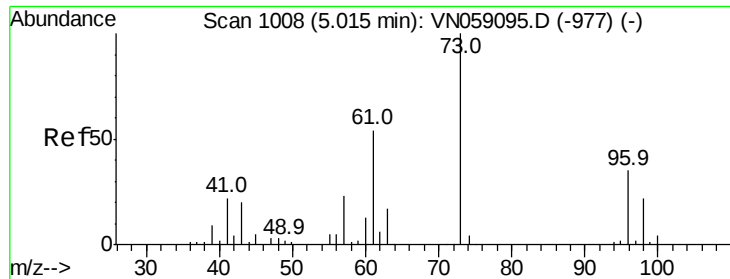
Tgt Ion: 76 Resp: 70414
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 5.404 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 43 Resp: 33765
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8

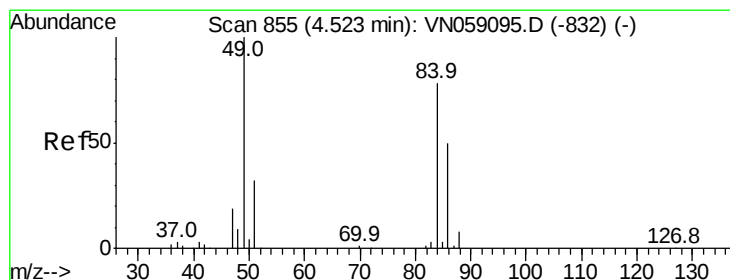
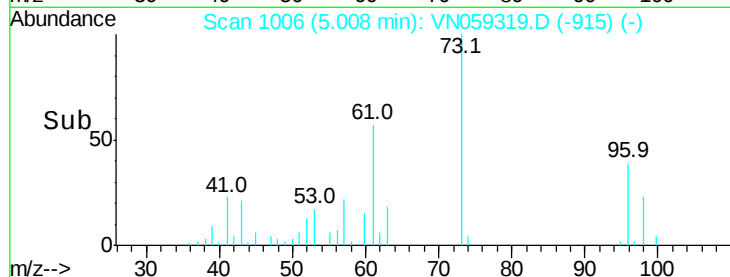
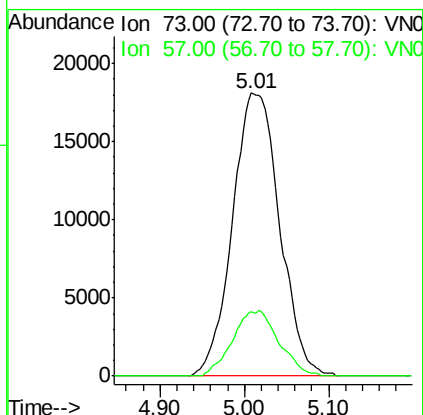
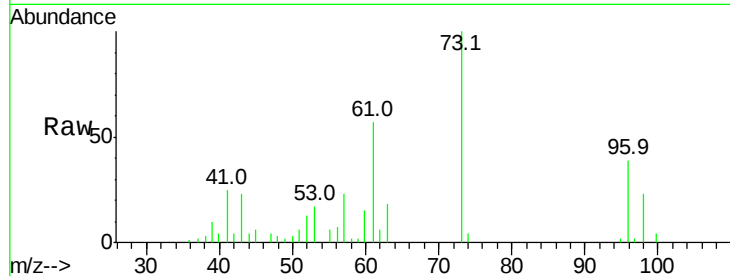




#19
Methyl tert-butyl Ether
Concen: 5.313 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

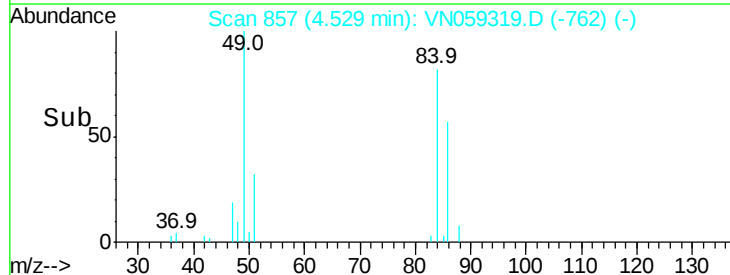
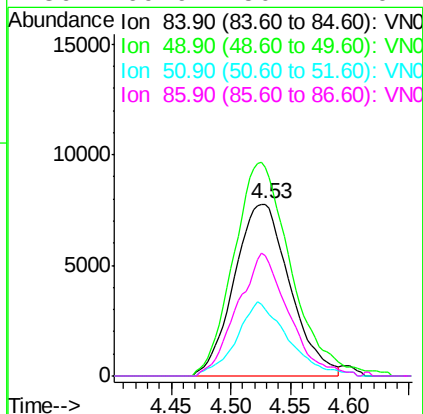
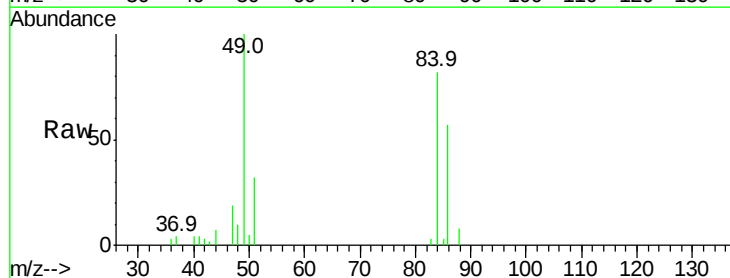
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

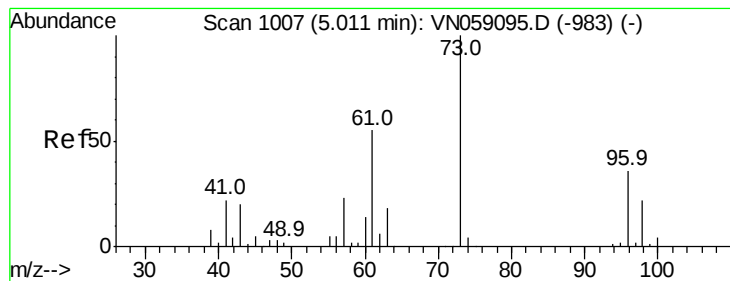
Tgt Ion: 73 Resp: 70274
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 5.474 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 84 Resp: 25105
Ion Ratio Lower Upper
84 100
49 121.6 102.0 153.0
51 38.6 32.2 48.2
86 69.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 5.675 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

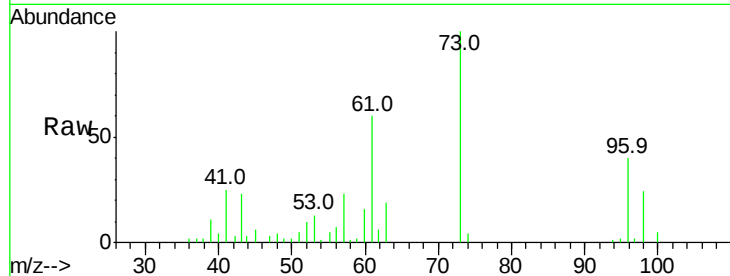
Tgt Ion: 96 Resp: 23404

Ion Ratio Lower Upper

96 100

61 148.3 122.6 183.8

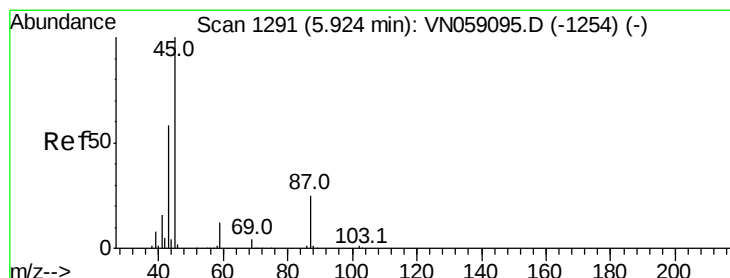
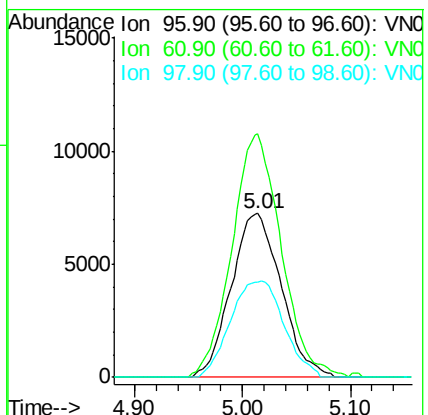
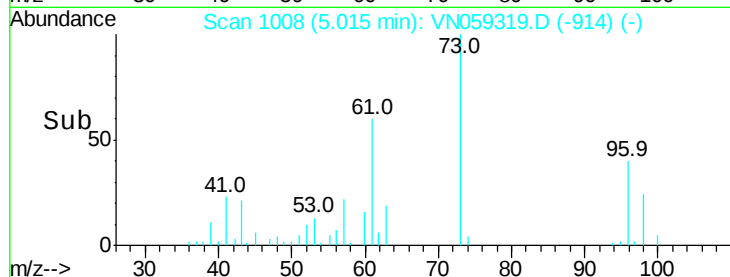
98 58.3 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-983) (-)



#22

Diisopropyl ether

Concen: 5.205 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Tgt Ion: 45 Resp: 77583

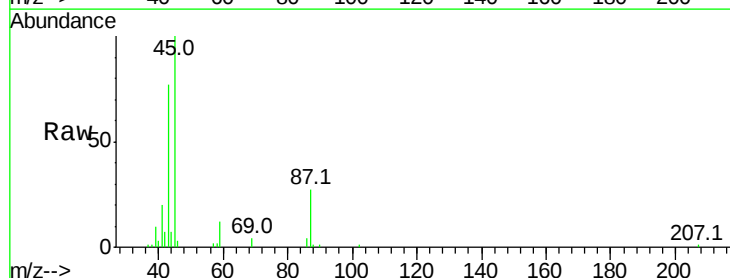
Ion Ratio Lower Upper

45 100

43 74.2 46.7 70.1#

87 27.1 20.5 30.7

59 12.1 9.6 14.4

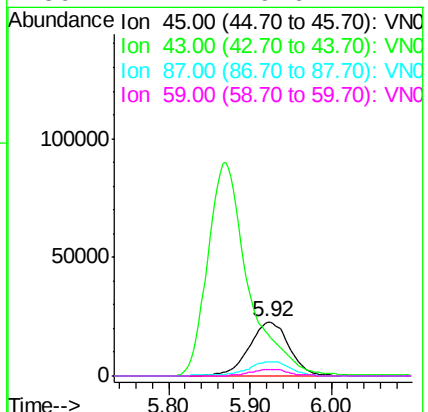
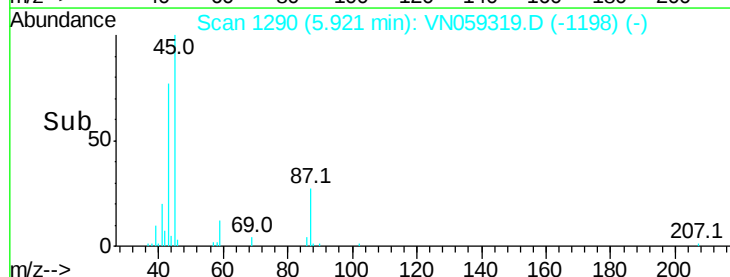


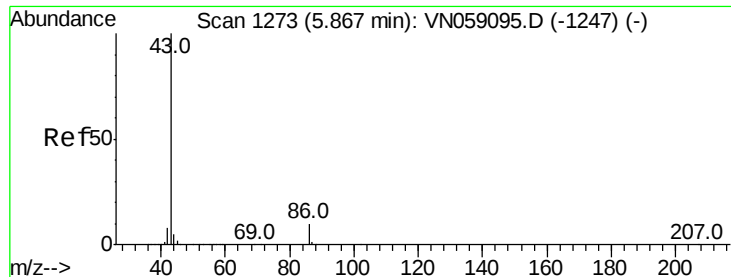
Abundance Ion 45.00 (44.70 to 45.70): VN059095.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN059095.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN059095.D (-1254) (-)





#23

Vinyl Acetate

Concen: 27.084 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

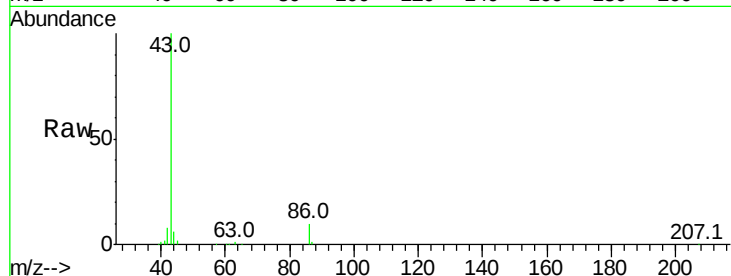
VSTDIC005

Tgt Ion: 43 Resp: 312884

Ion Ratio Lower Upper

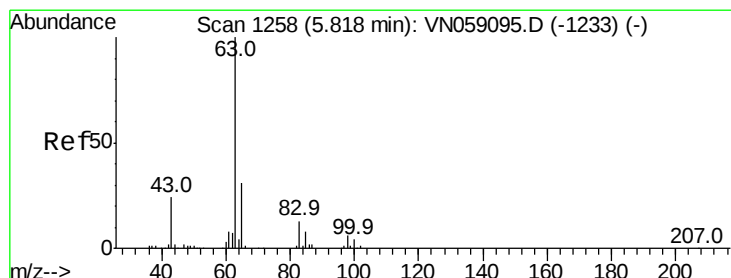
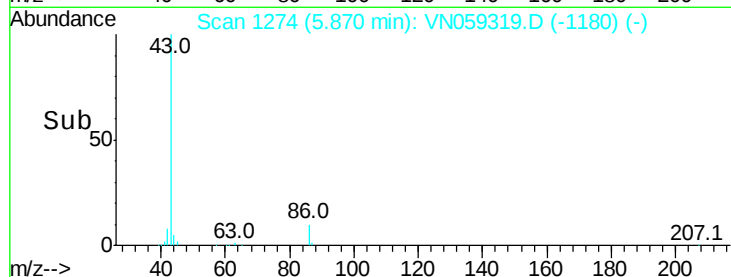
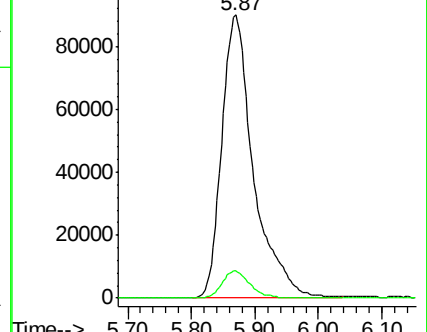
43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059319.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059319.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 5.309 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

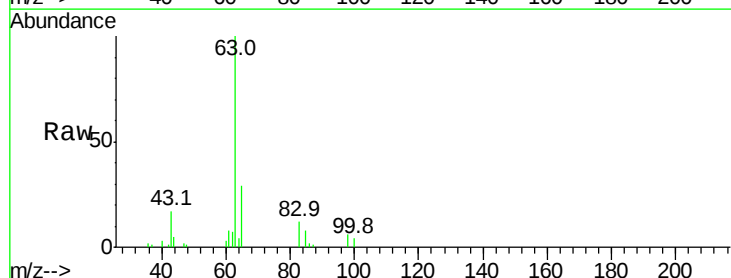
Tgt Ion: 63 Resp: 44195

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

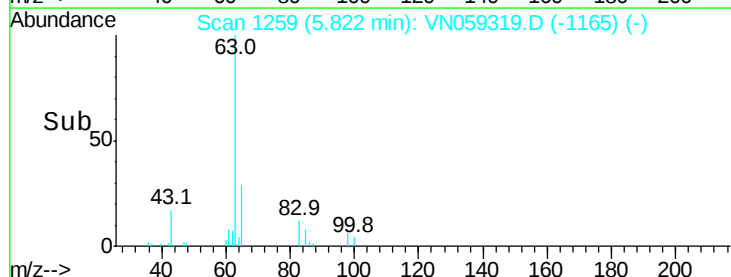
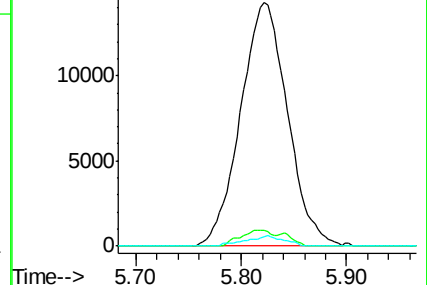
100 3.9 1.9 5.7

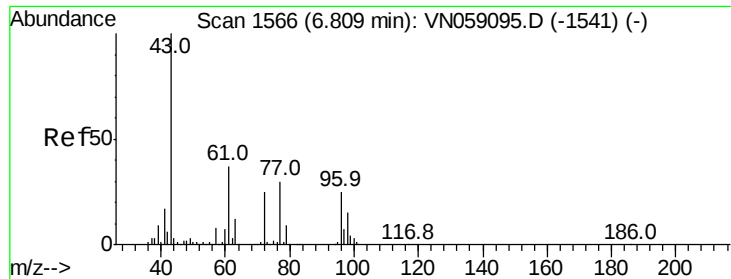


Abundance Ion 62.90 (62.60 to 63.60): VN059319.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059319.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059319.D (-1165) (-)





#25

2-Butanone

Concen: 23.549 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

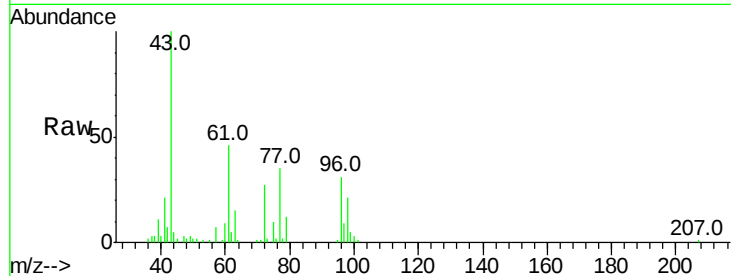
VSTDIC005

Tgt Ion: 43 Resp: 81704

Ion Ratio Lower Upper

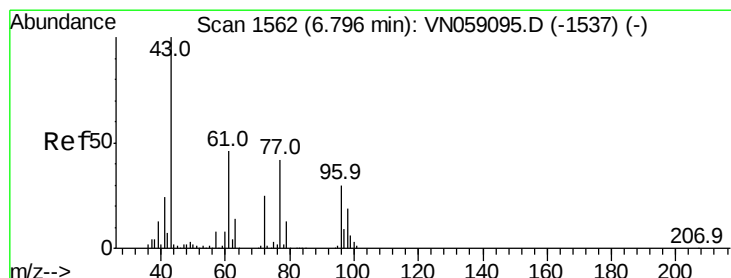
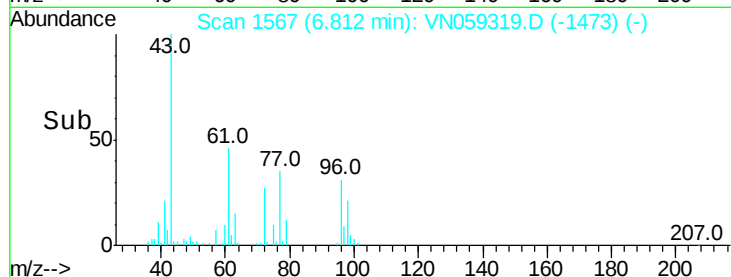
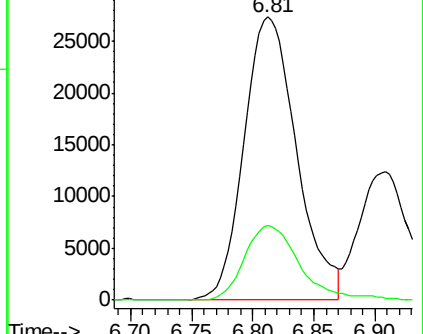
43 100

72 26.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 5.280 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059319.D

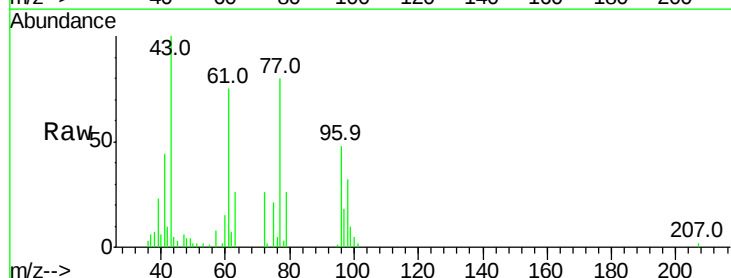
Acq: 20 Nov 2019 11:46

Tgt Ion: 77 Resp: 38438

Ion Ratio Lower Upper

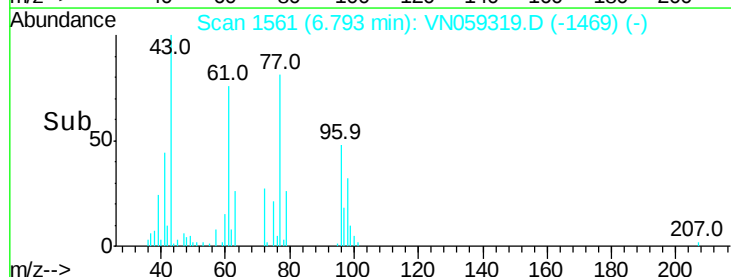
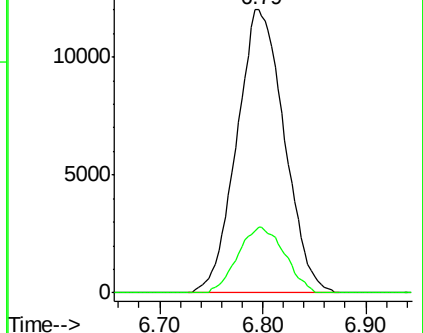
77 100

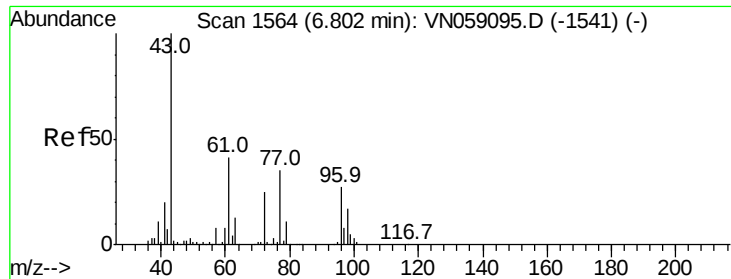
97 22.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.553 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

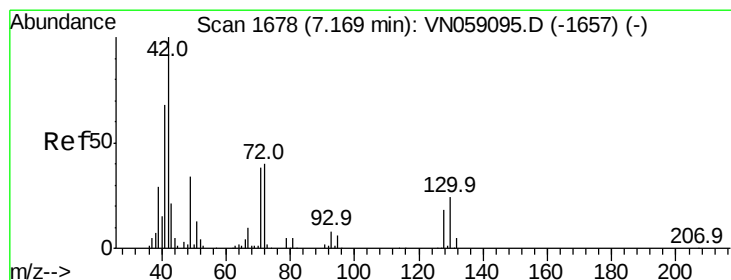
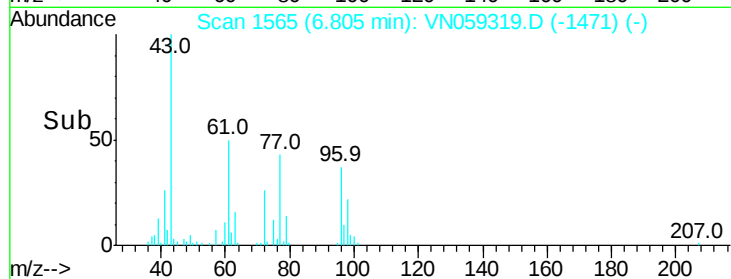
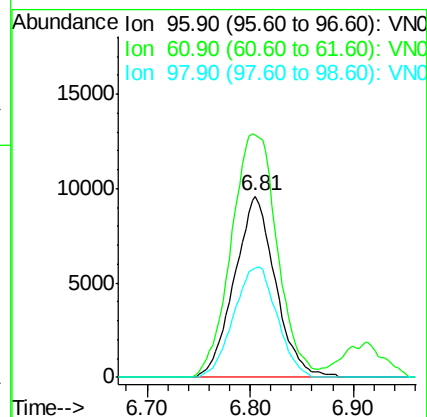
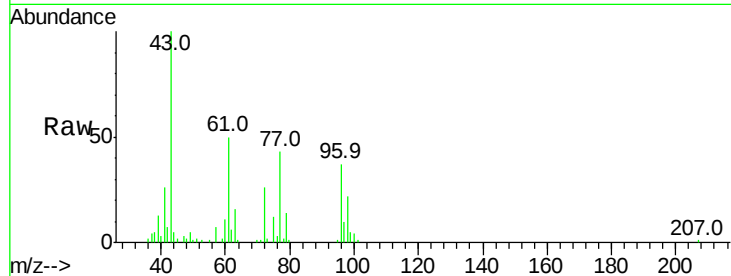
Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 26566

Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	311.6
98	63.8	0.0	129.8



#28

Bromochloromethane

Concen: 3.761 ug/l

RT: 7.17 min Scan# 1677

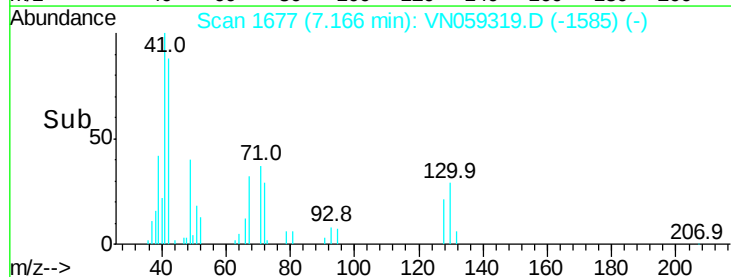
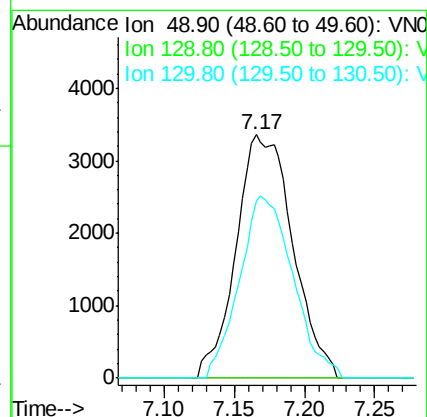
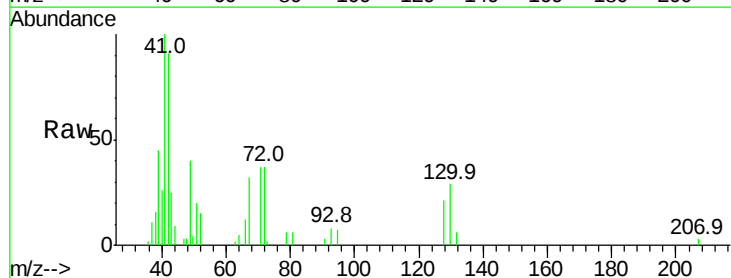
Delta R.T. -0.00 min

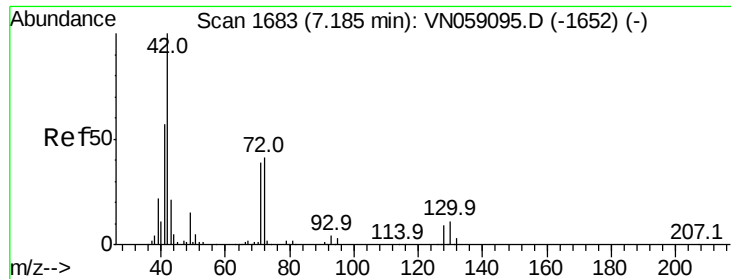
Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Tgt Ion: 49 Resp: 9420

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	70.7	55.6	83.4

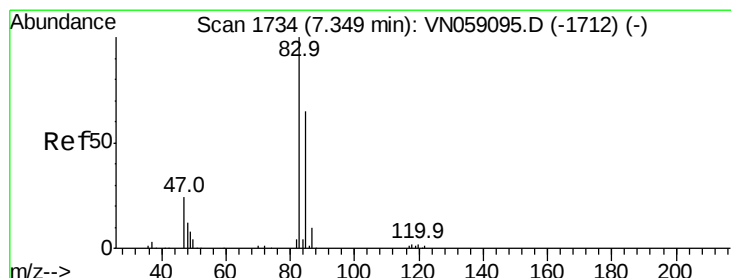
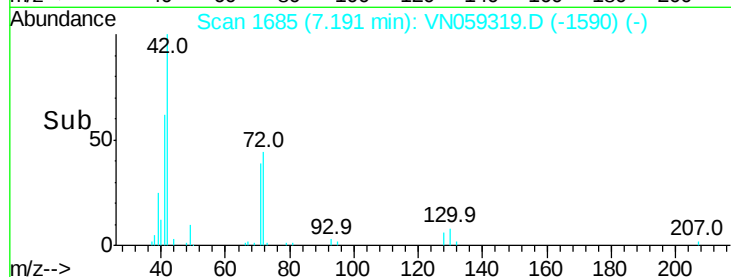
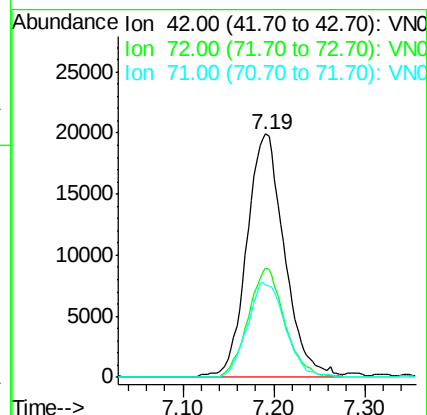
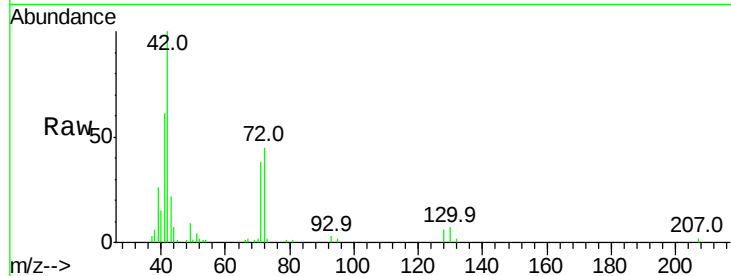




#29
Tetrahydrofuran
Concen: 25.997 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

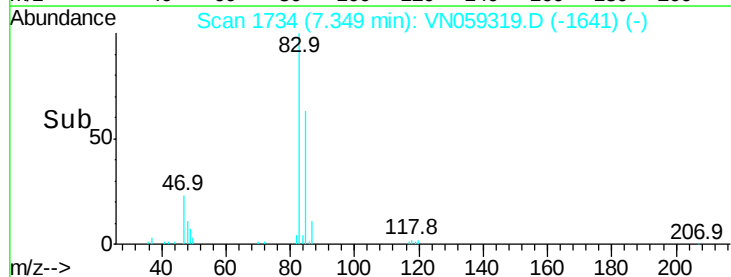
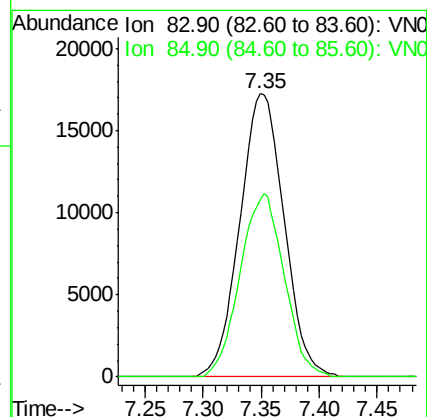
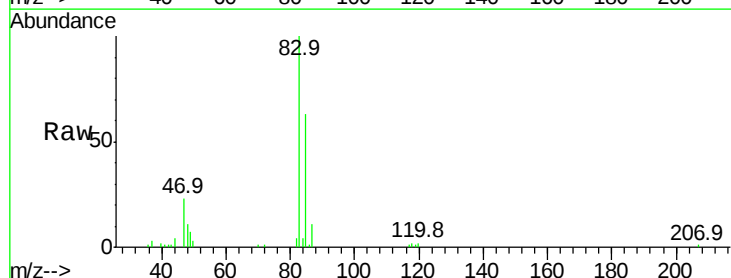
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

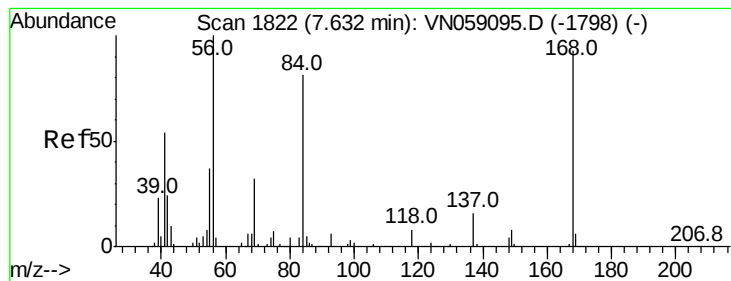
Tgt Ion: 42 Resp: 57313
Ion Ratio Lower Upper
42 100
72 43.1 33.1 49.7
71 38.9 30.9 46.3



#30
Chloroform
Concen: 5.735 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 83 Resp: 45802
Ion Ratio Lower Upper
83 100
85 62.6 51.8 77.8





#31

Cyclohexane

Concen: 6.201 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

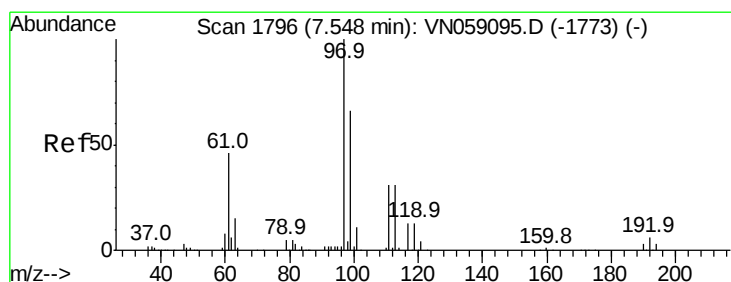
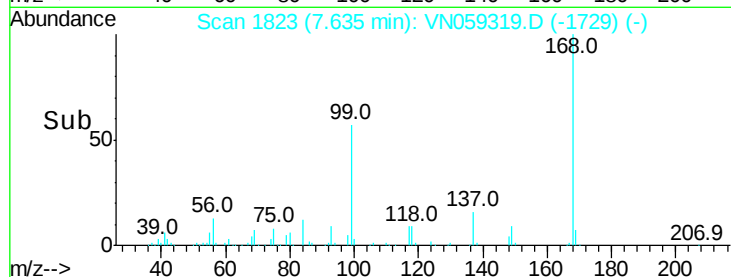
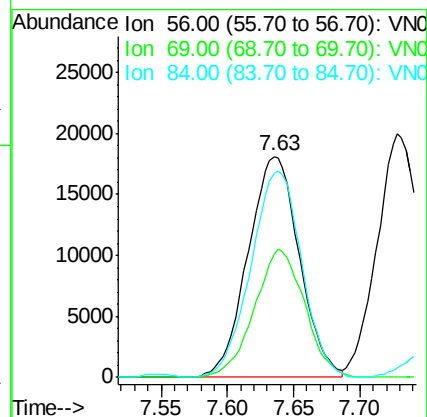
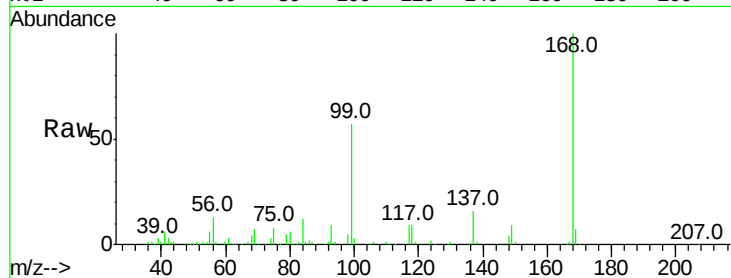
Tgt Ion: 56 Resp: 48876

Ion Ratio Lower Upper

56 100

69 55.8 25.8 38.8#

84 91.9 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 5.640 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

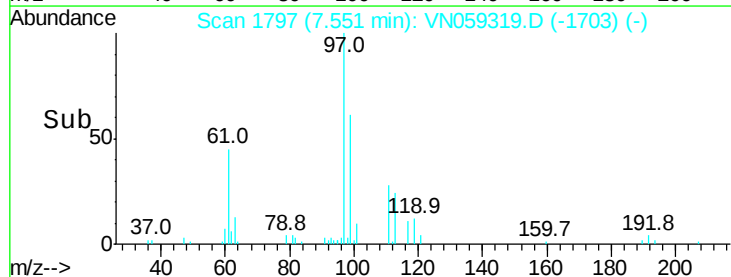
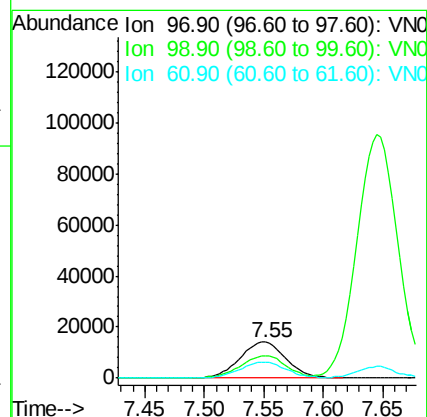
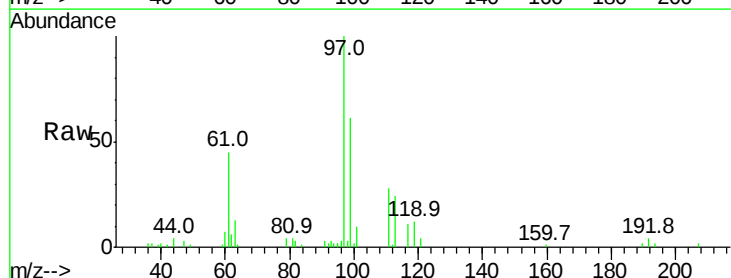
Tgt Ion: 97 Resp: 37868

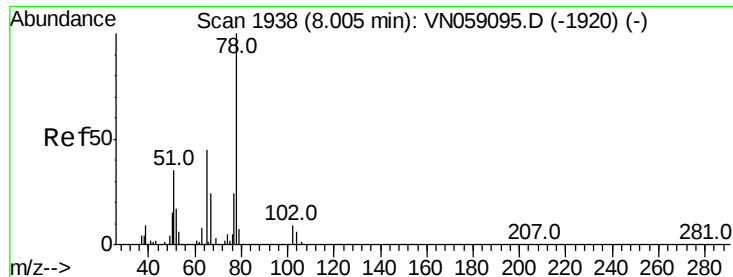
Ion Ratio Lower Upper

97 100

99 62.0 51.0 76.6

61 44.3 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 4.486 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.01 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

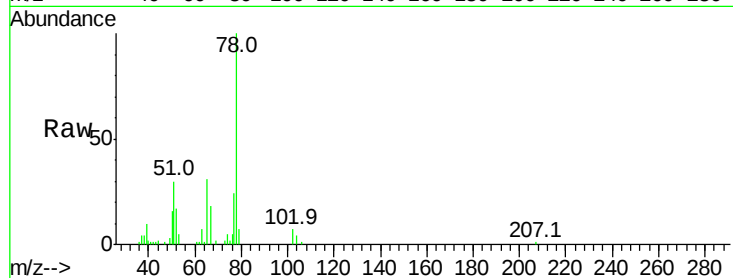
VSTDIC005

Tgt Ion: 65 Resp: 22709

Ion Ratio Lower Upper

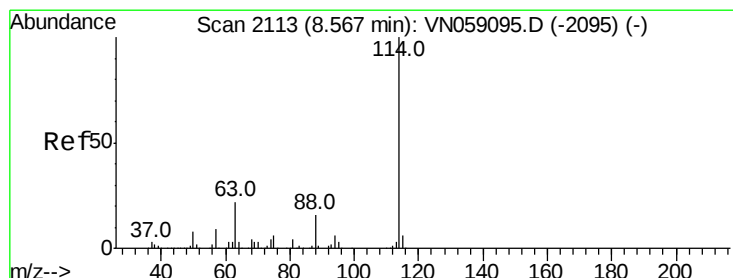
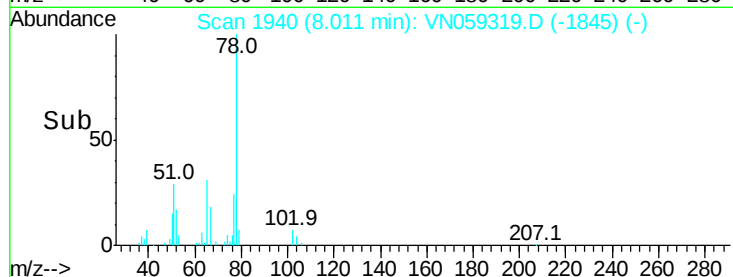
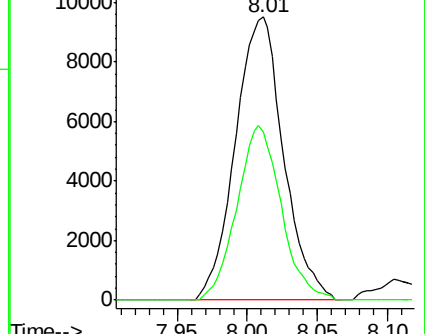
65 100

67 56.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

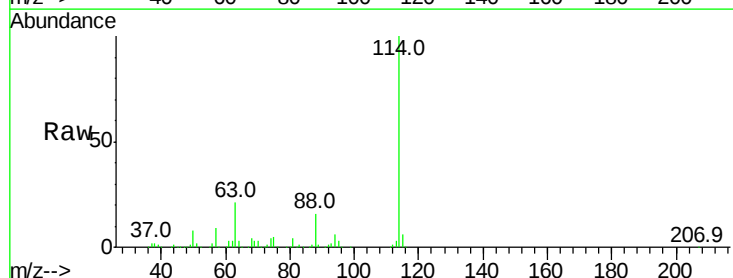
Tgt Ion: 114 Resp: 654725

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

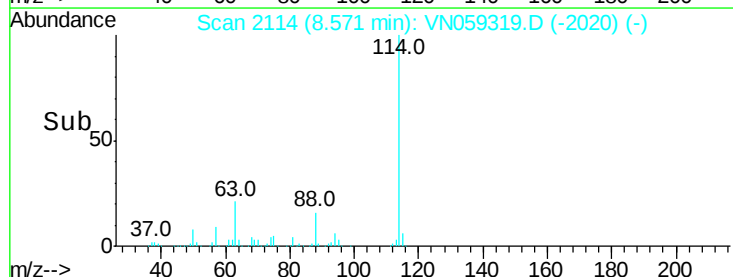
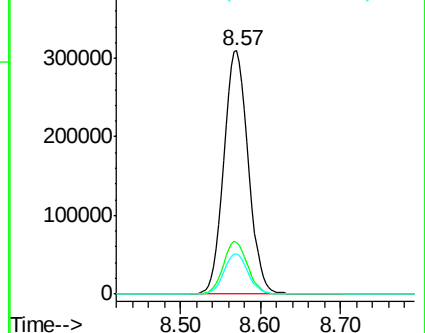
88 16.5 0.0 32.2

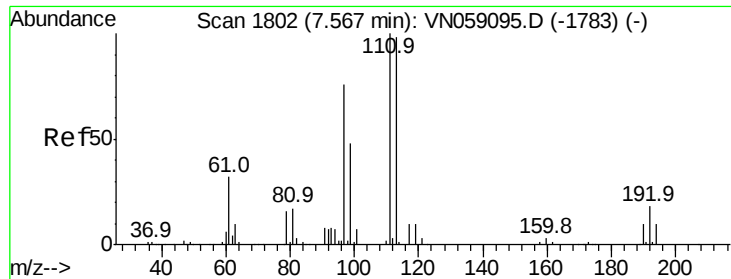


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

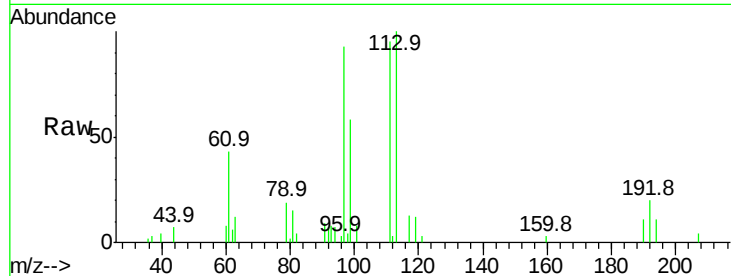




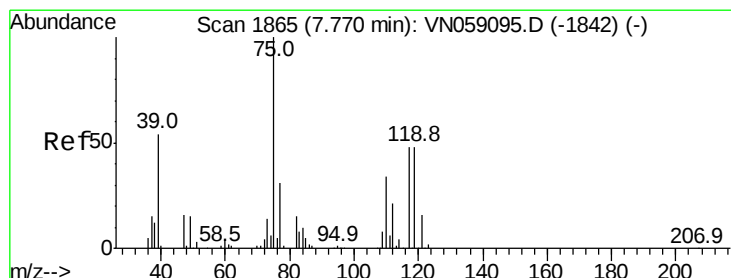
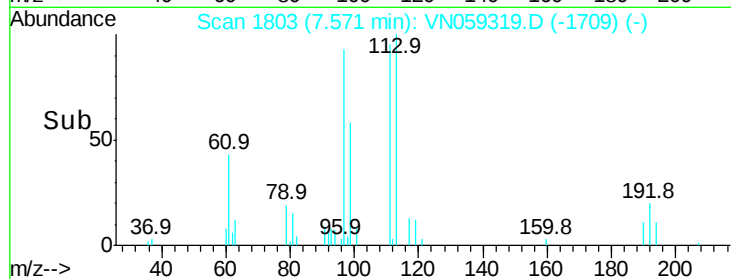
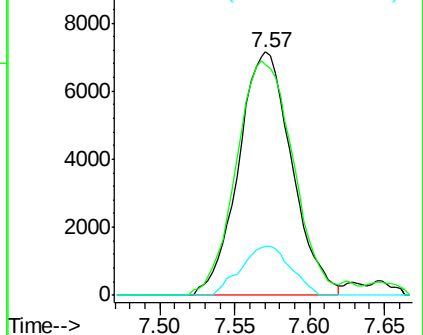
#35
 Dibromofluoromethane
 Concen: 4.532 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 17718
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 18.7 16.1 24.1

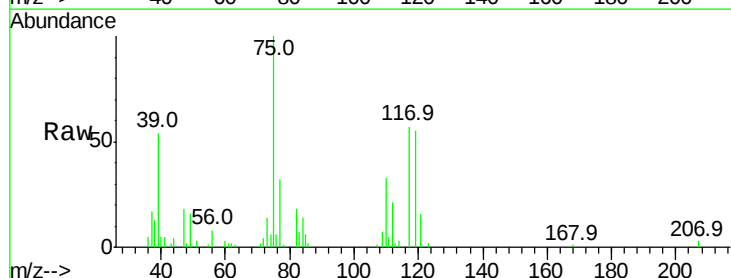


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

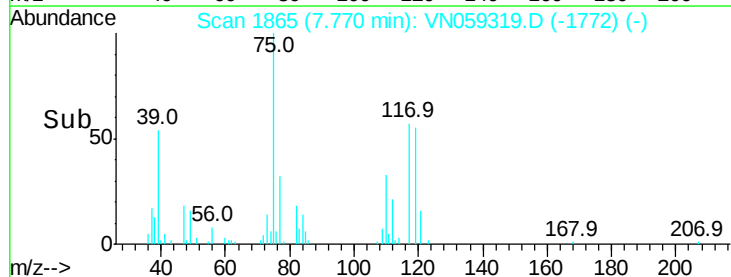
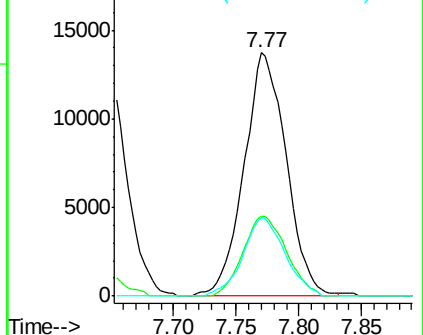


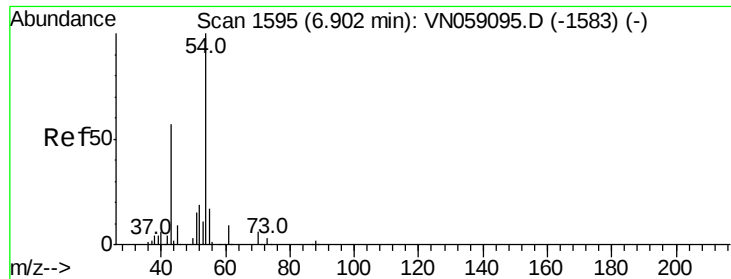
#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion: 75 Resp: 32207
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.1 51.2
 77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

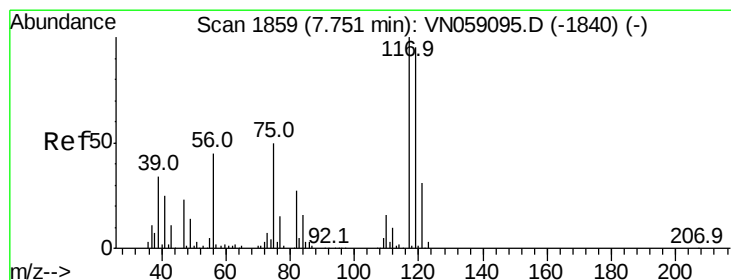
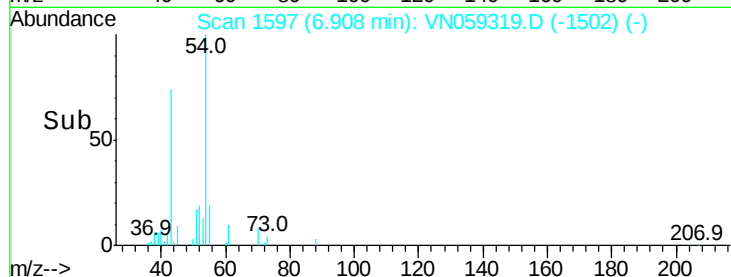
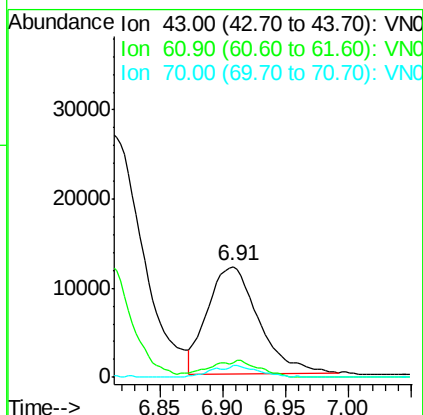
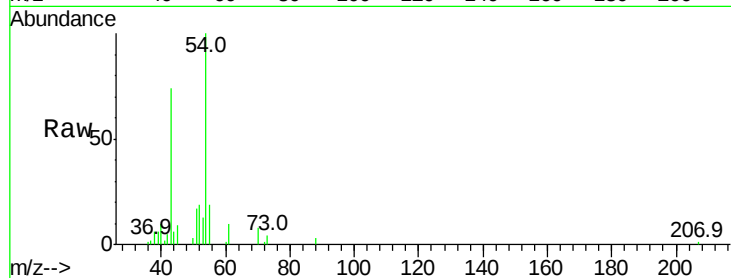




#37
 Ethyl Acetate
 Concen: 5.045 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

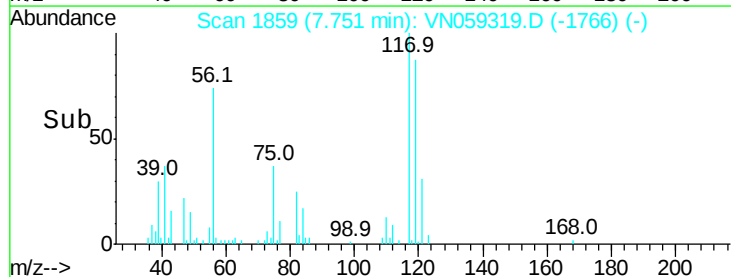
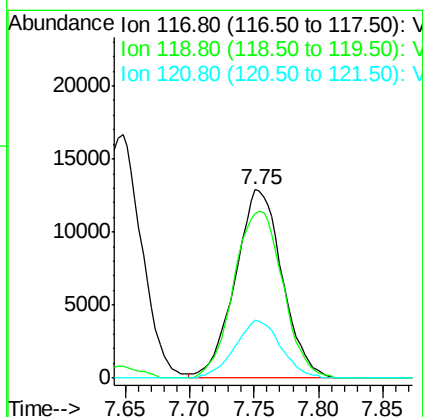
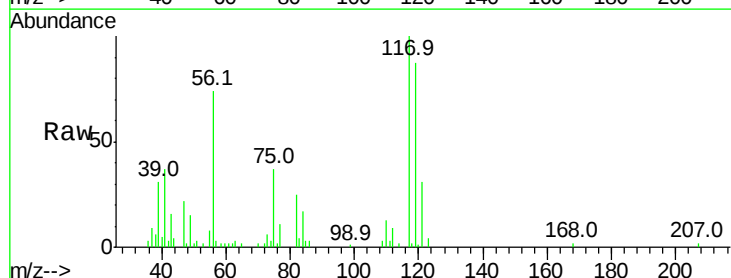
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

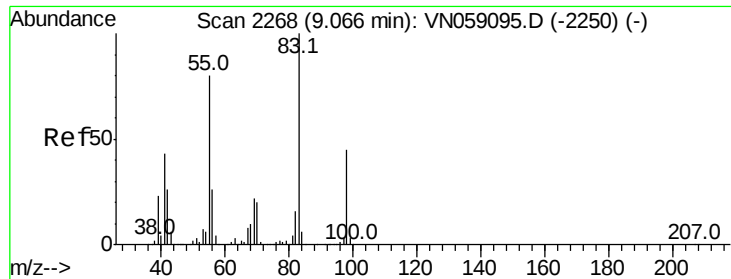
Tgt Ion: 43 Resp: 34346
 Ion Ratio Lower Upper
 43 100
 61 15.4 11.2 16.8
 70 9.8 7.8 11.8



#38
 Carbon Tetrachloride
 Concen: 5.371 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion: 117 Resp: 32714
 Ion Ratio Lower Upper
 117 100
 119 87.2 75.6 113.4
 121 30.5 24.6 36.8

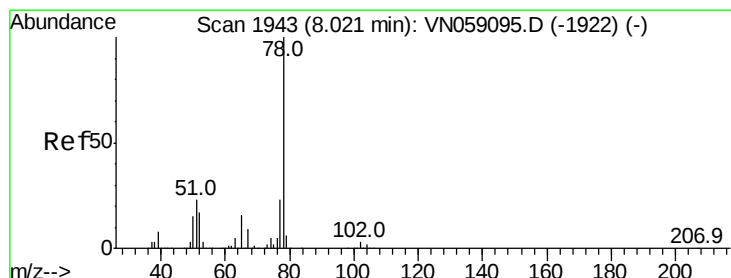
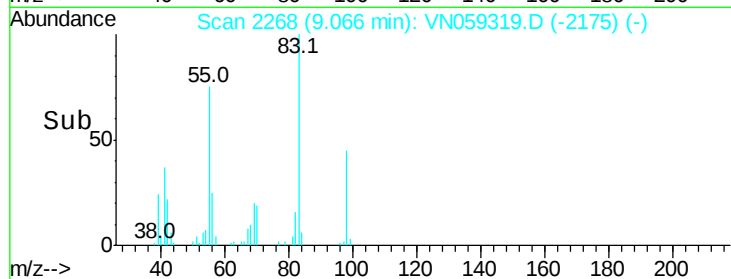
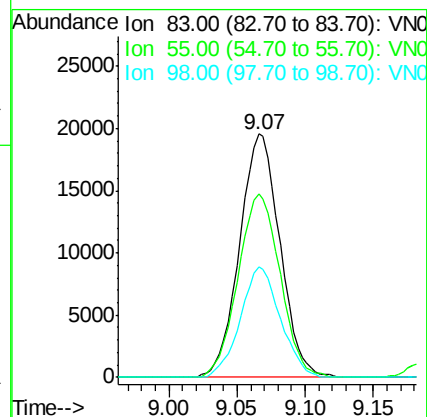
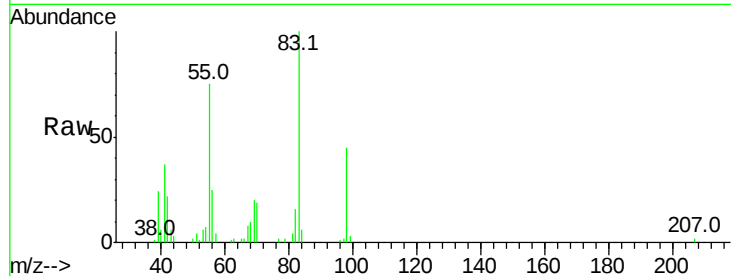




#39
Methylcyclohexane
Concen: 5.656 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

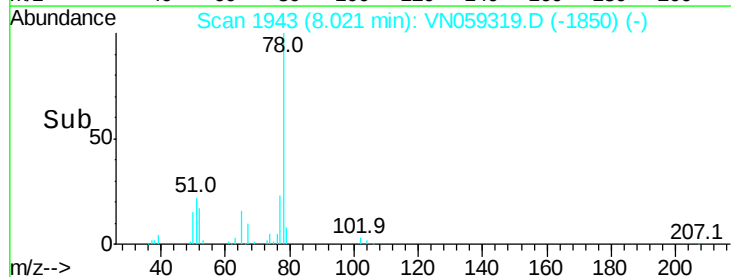
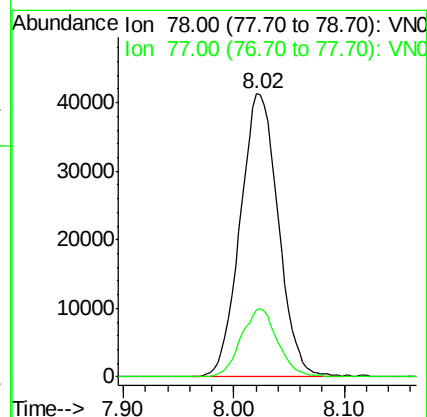
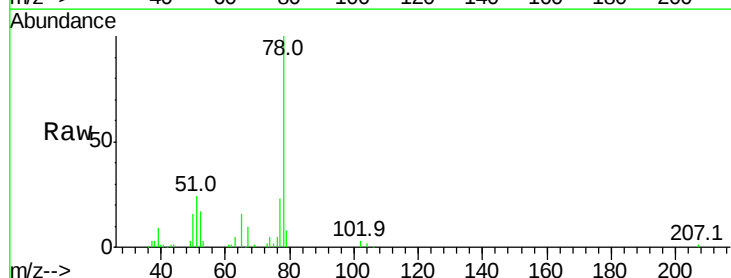
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

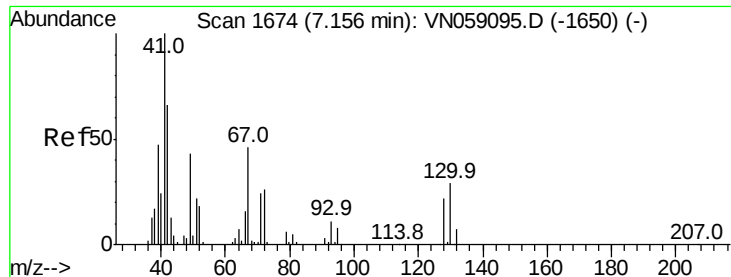
Tgt Ion: 83 Resp: 40169
Ion Ratio Lower Upper
83 100
55 75.3 63.9 95.9
98 45.3 35.6 53.4



#40
Benzene
Concen: 5.359 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 78 Resp: 98760
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

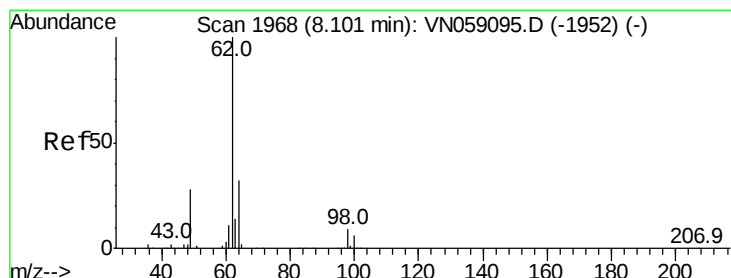
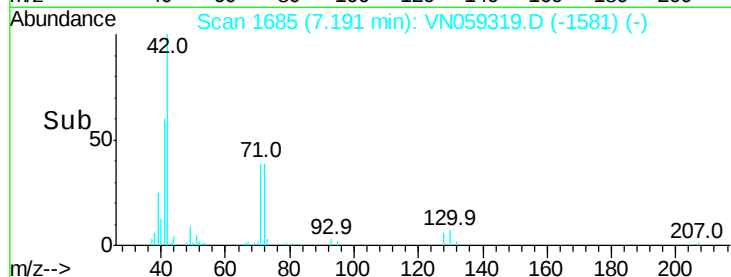
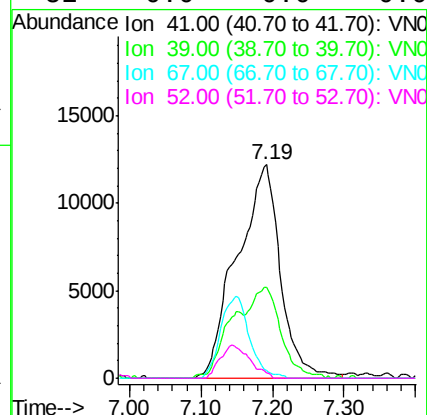
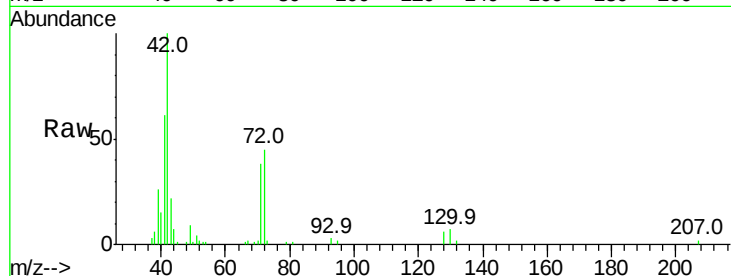




#41
Methacrylonitrile
Concen: 17.382 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

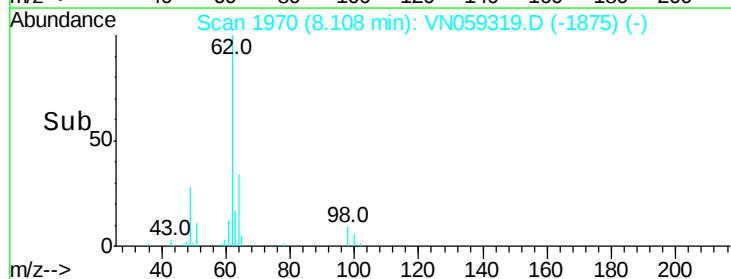
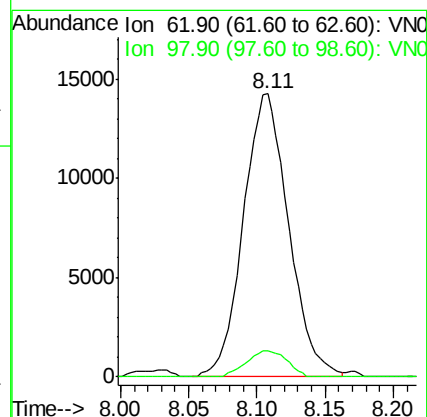
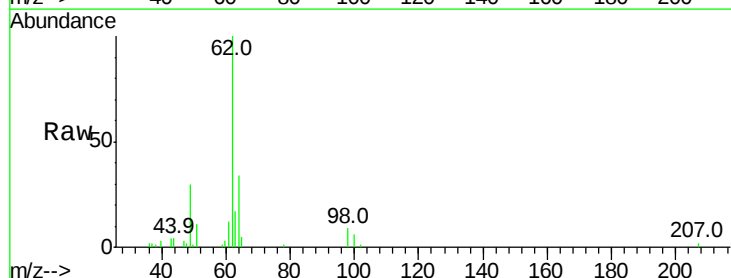
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

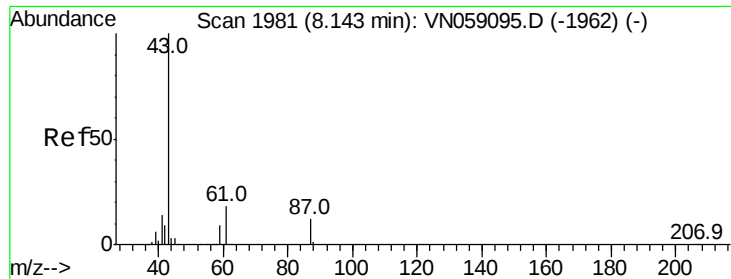
Tgt Ion:	41	Resp:	51458
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 5.191 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion:	62	Resp:	32809
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.8

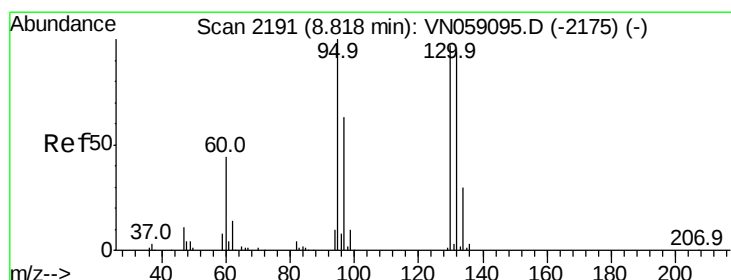
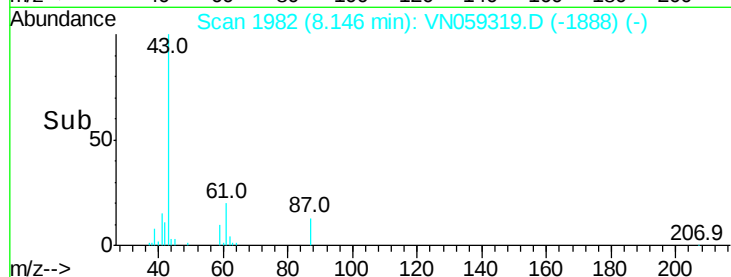
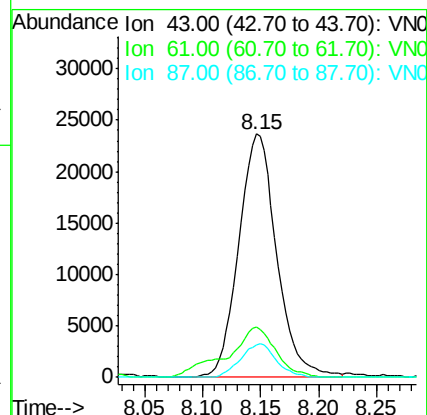
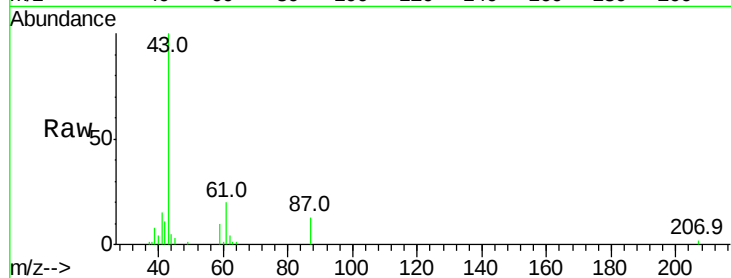




#43
Isopropyl Acetate
Concen: 4.957 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

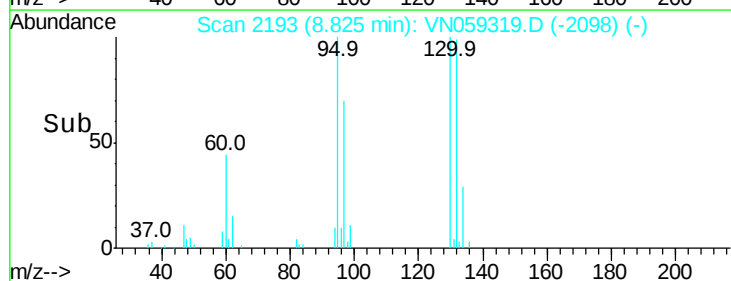
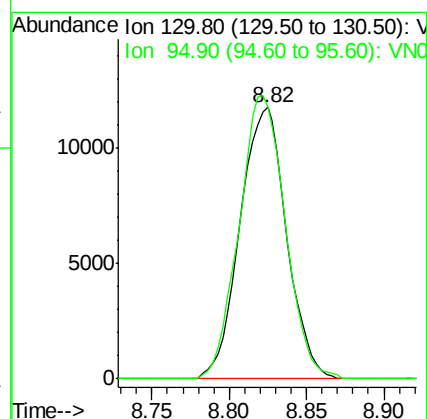
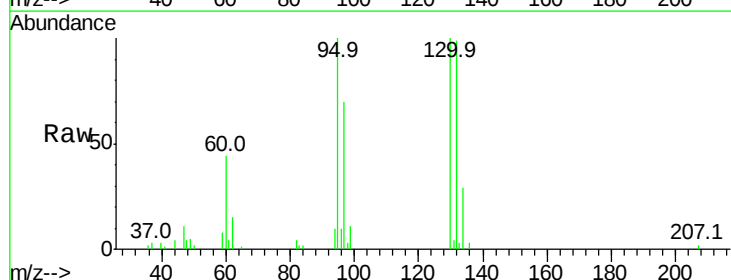
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

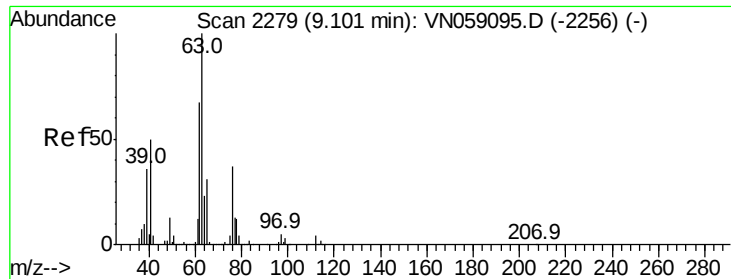
Tgt Ion: 43 Resp: 53805
Ion Ratio Lower Upper
43 100
61 26.7 21.0 31.6
87 12.9 9.8 14.6



#44
Trichloroethene
Concen: 5.431 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.01 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 130 Resp: 24602
Ion Ratio Lower Upper
130 100
95 100.2 0.0 206.4





#45

1,2-Dichloropropane

Concen: 5.214 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

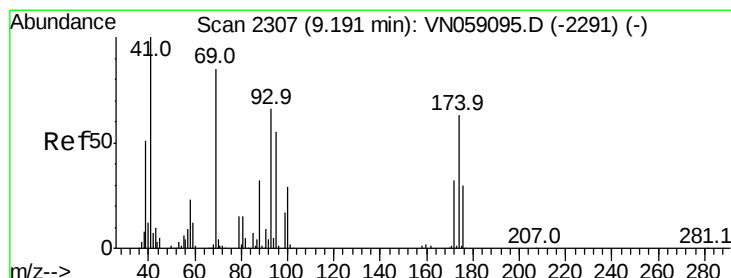
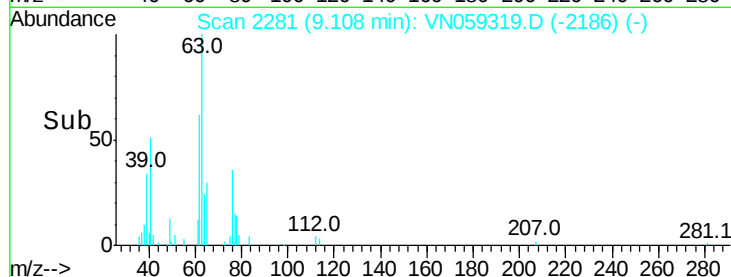
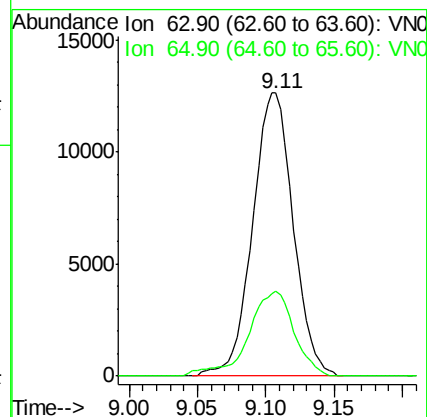
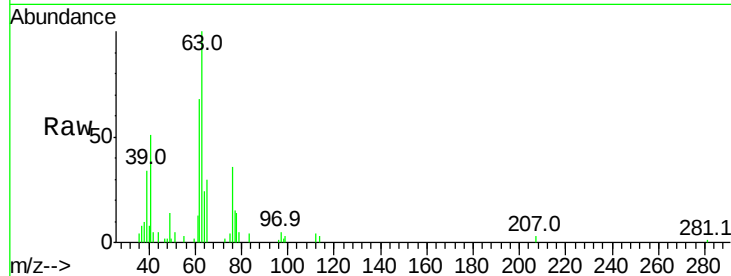
VSTDIC005

Tgt Ion: 63 Resp: 26101

Ion Ratio Lower Upper

63 100

65 29.8 24.6 37.0



#46

Dibromomethane

Concen: 5.264 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.01 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

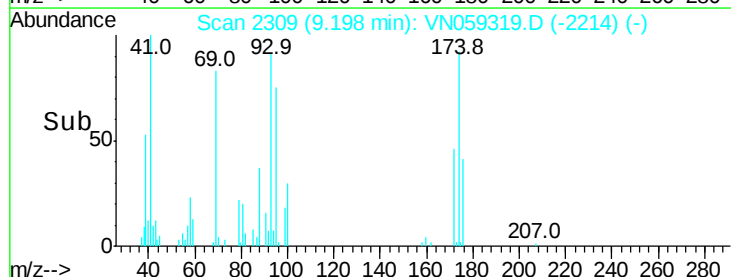
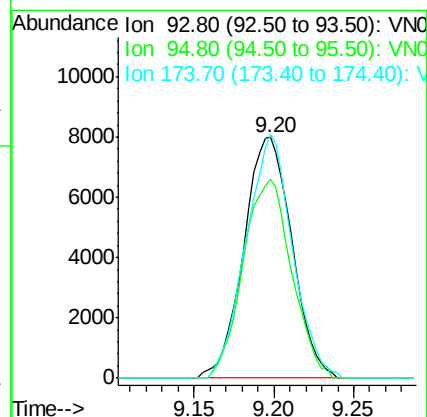
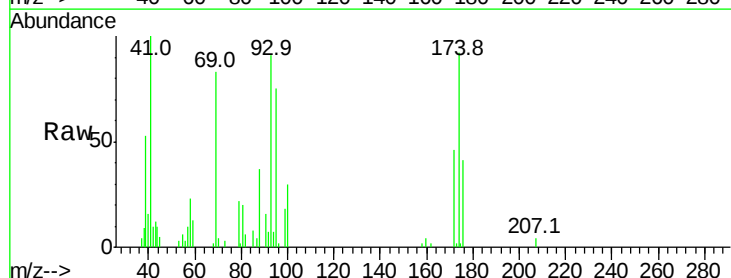
Tgt Ion: 93 Resp: 16420

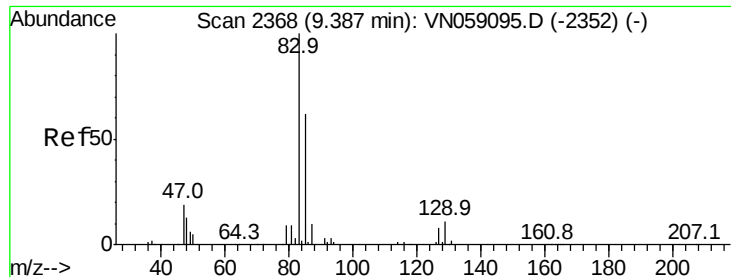
Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

174 97.7 78.2 117.2





#47

Bromodichloromethane

Concen: 5.129 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

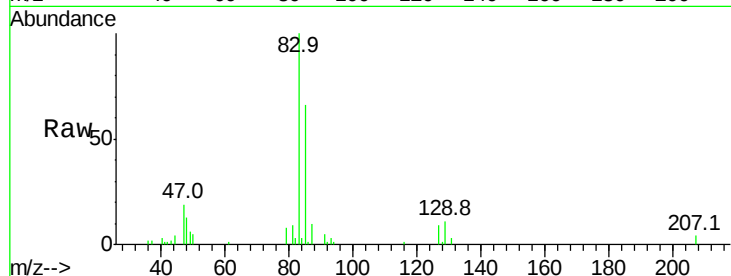
Tgt Ion: 83 Resp: 31947

Ion Ratio Lower Upper

83 100

85 66.0 49.7 74.5

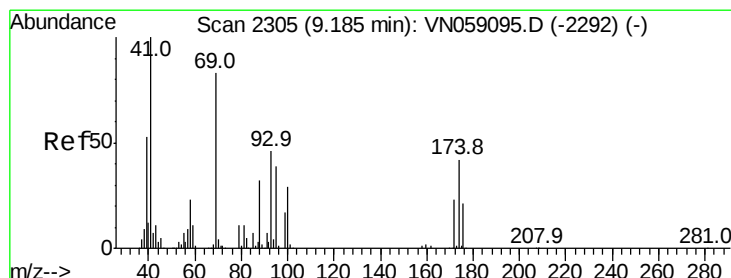
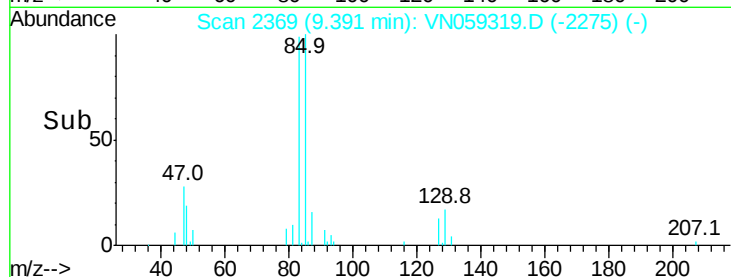
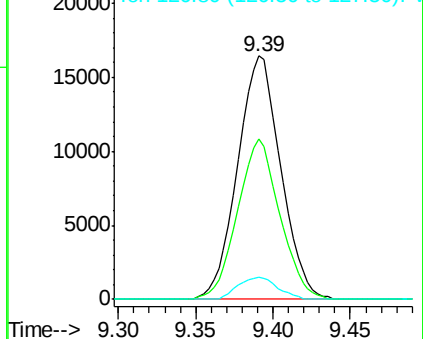
127 8.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059319.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059319.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059319.D (-2275) (-)



#48

Methyl methacrylate

Concen: 4.640 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

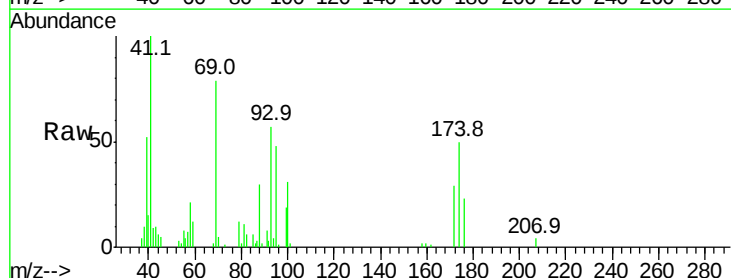
Tgt Ion: 41 Resp: 22528

Ion Ratio Lower Upper

41 100

69 85.2 67.3 100.9

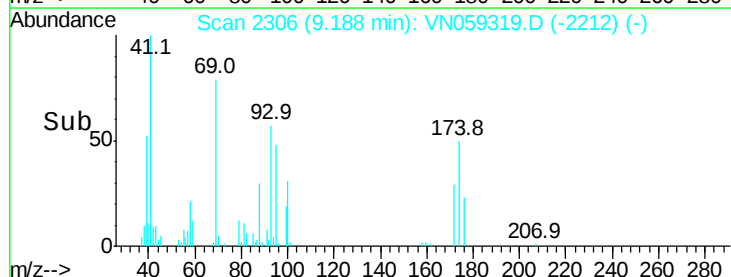
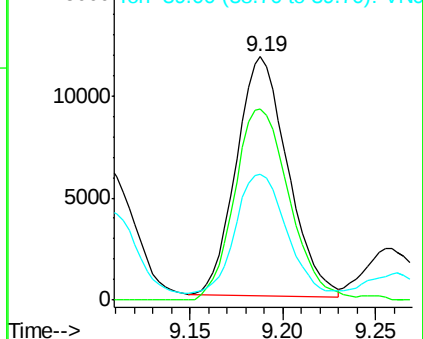
39 55.2 43.3 64.9

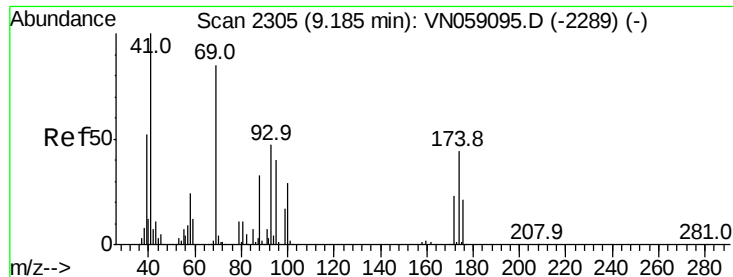


Abundance Ion 41.00 (40.70 to 41.70): VN059319.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059319.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059319.D (-2212) (-)

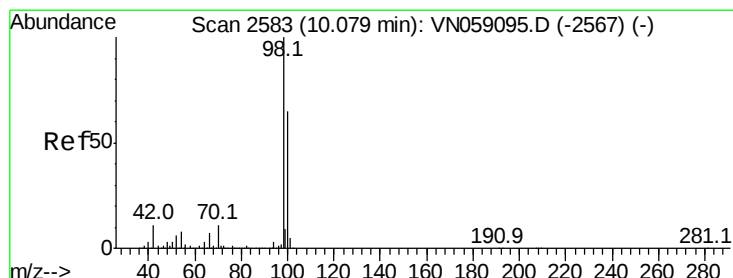
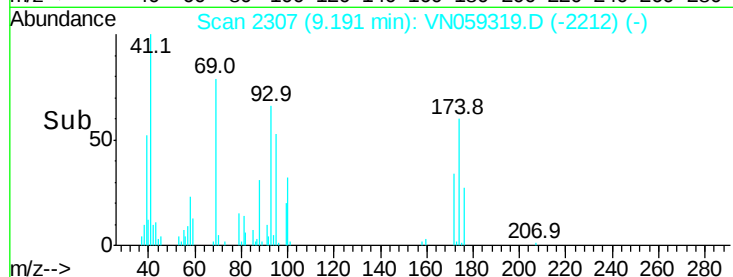
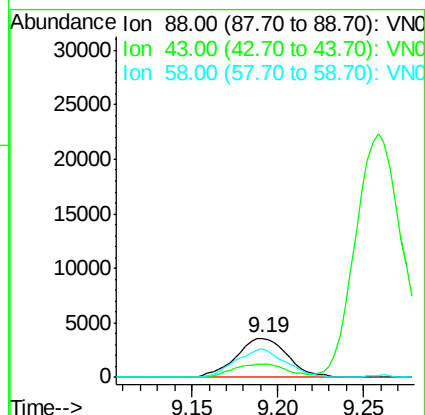
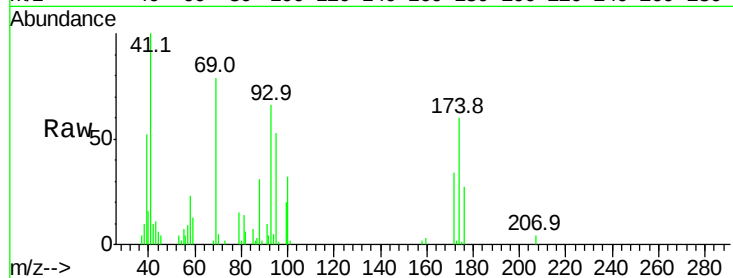




#49
 1,4-Dioxane
 Concen: 86.360 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

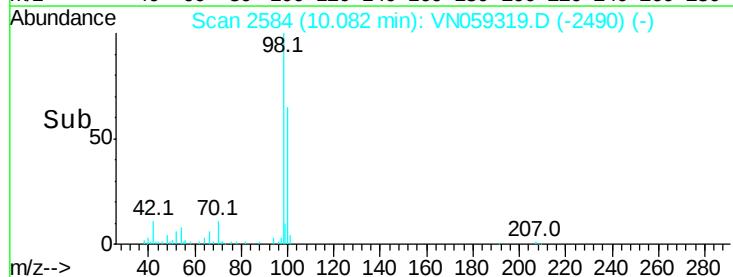
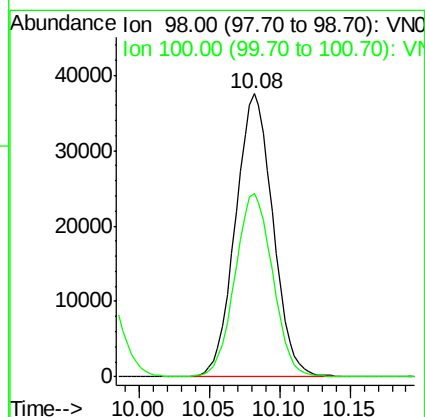
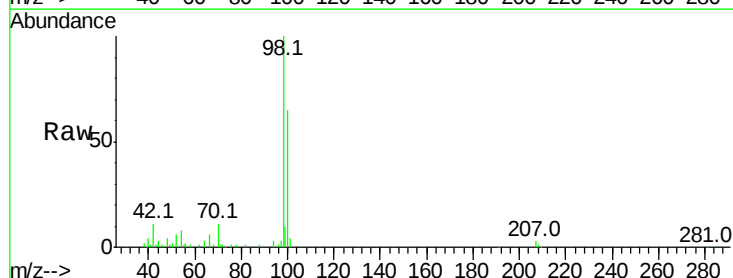
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

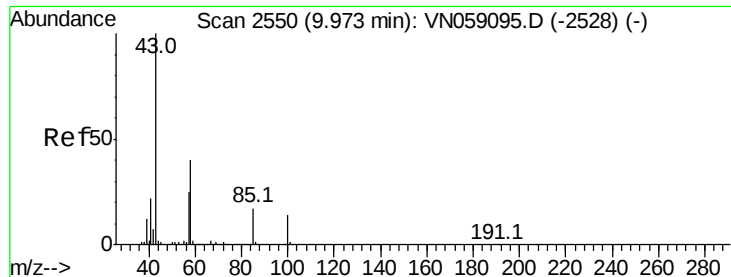
Tgt Ion: 88 Resp: 7451
 Ion Ratio Lower Upper
 88 100
 43 36.0 26.3 39.5
 58 70.2 60.6 90.8



#50
 Toluene-d8
 Concen: 4.531 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion: 98 Resp: 69773
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 25.783 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

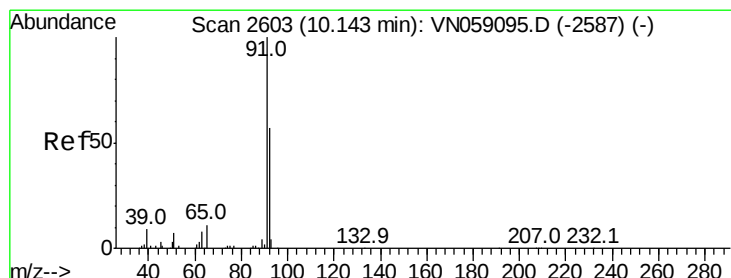
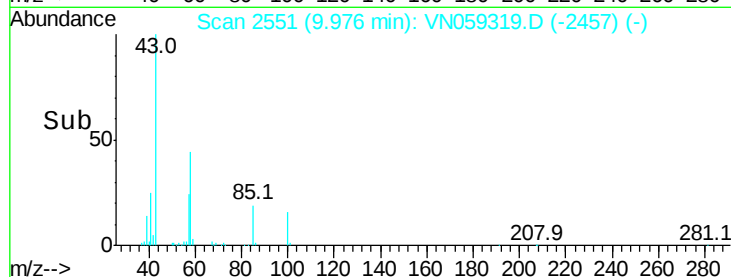
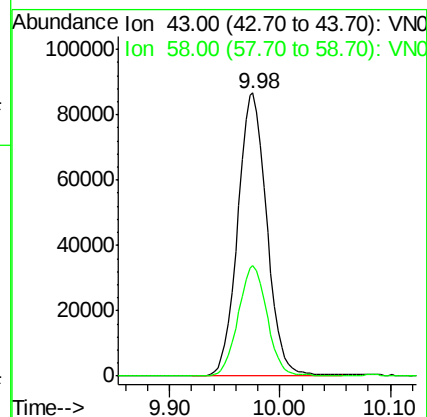
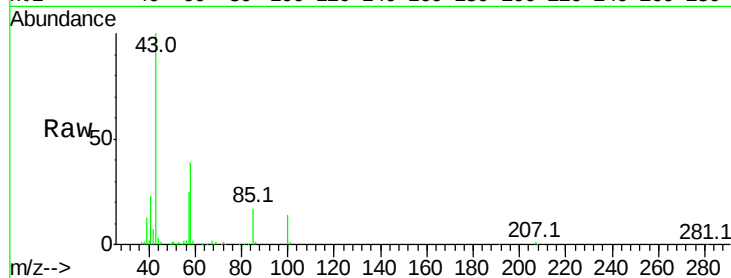
VSTDIC005

Tgt Ion: 43 Resp: 158339

Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3



#52

Toluene

Concen: 5.377 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059319.D

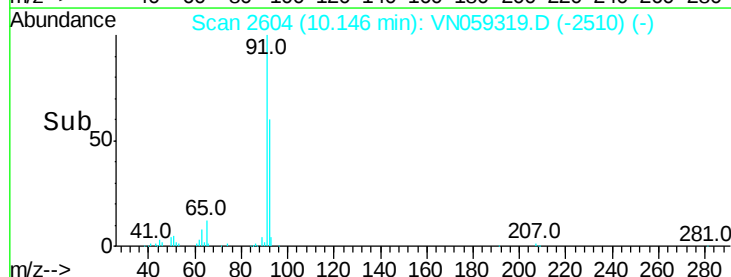
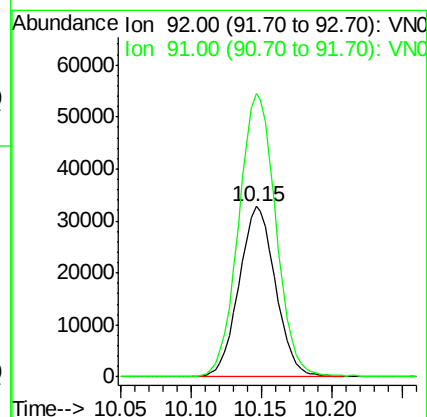
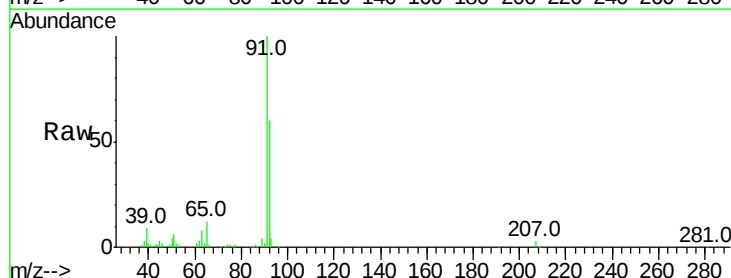
Acq: 20 Nov 2019 11:46

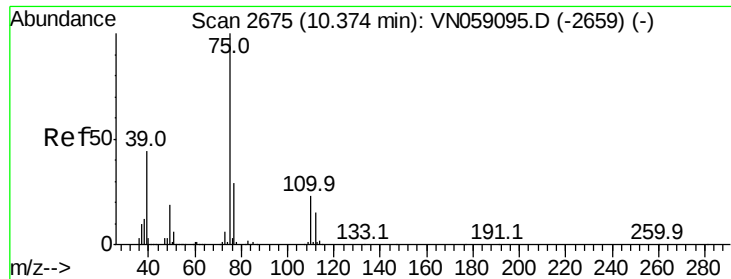
Tgt Ion: 92 Resp: 59393

Ion Ratio Lower Upper

92 100

91 169.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 4.947 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

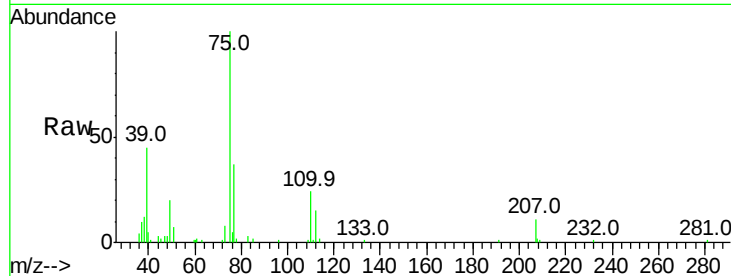
VSTDIC005

Tgt Ion: 75 Resp: 35598

Ion Ratio Lower Upper

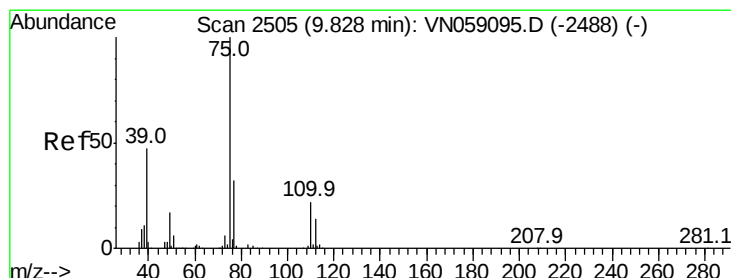
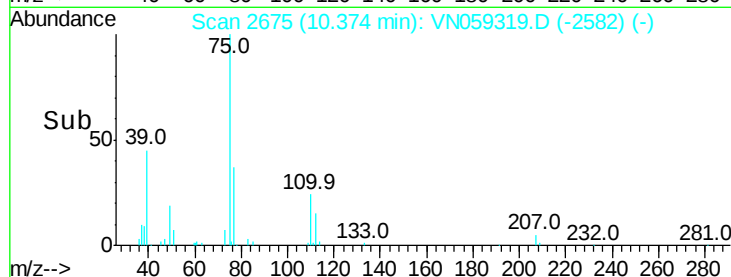
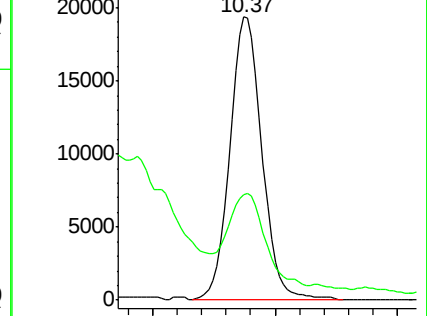
75 100

77 32.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.148 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

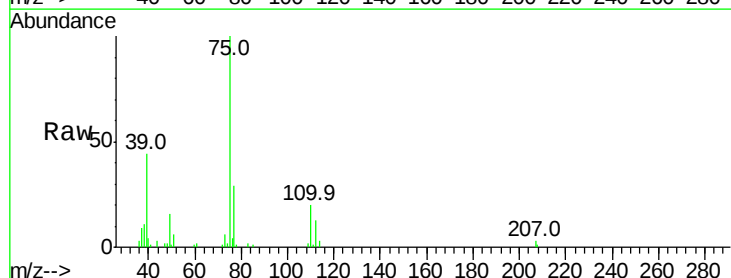
Tgt Ion: 75 Resp: 39850

Ion Ratio Lower Upper

75 100

77 29.4 25.5 38.3

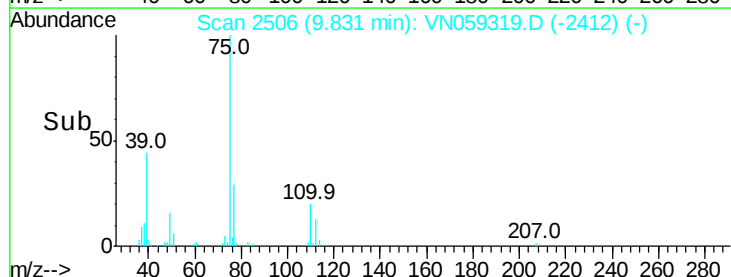
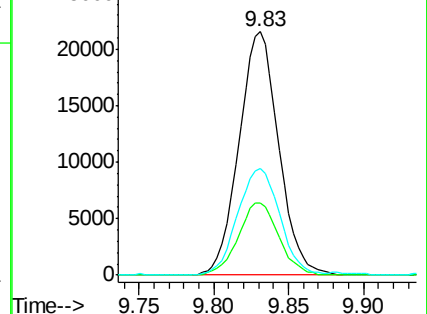
39 43.8 37.3 55.9

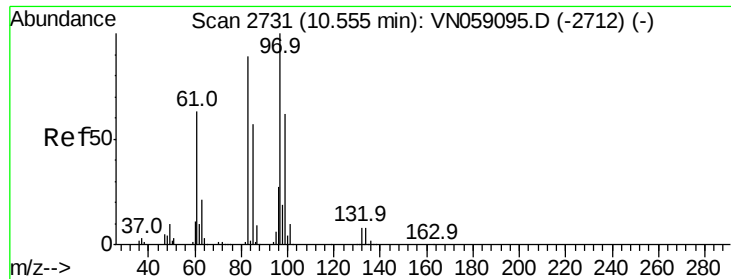


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

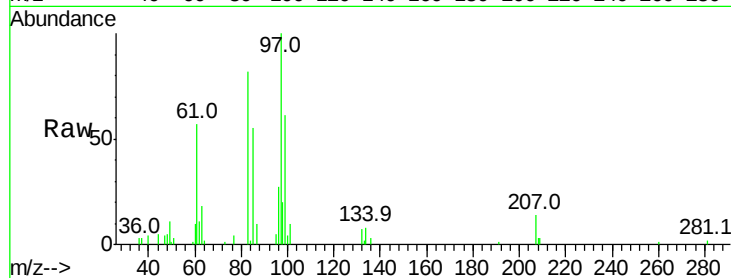




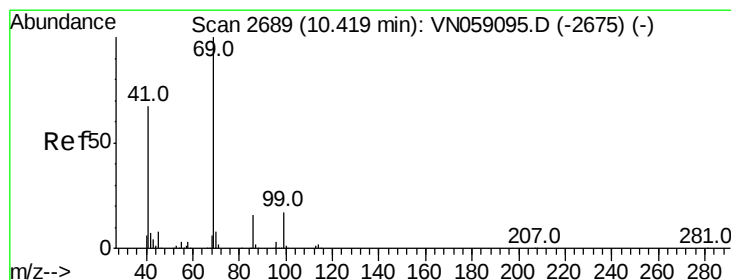
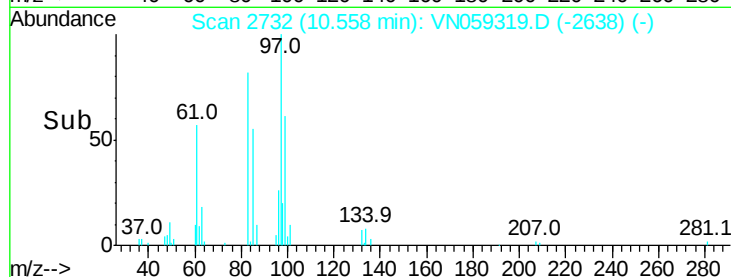
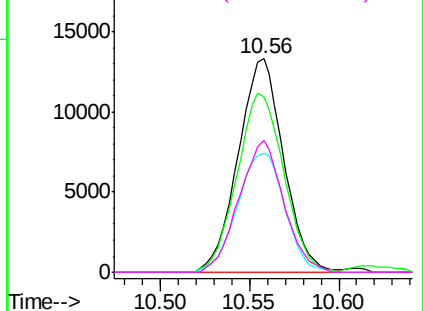
#55
1,1,2-Trichloroethane
Concen: 5.294 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 97 Resp: 23667
Ion Ratio Lower Upper
97 100
83 82.4 71.0 106.4
85 55.5 45.8 68.8
99 61.5 49.4 74.0

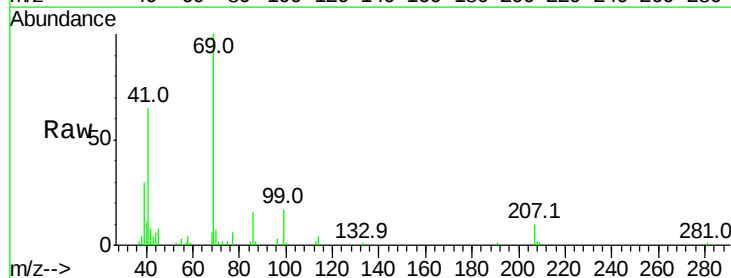


Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0

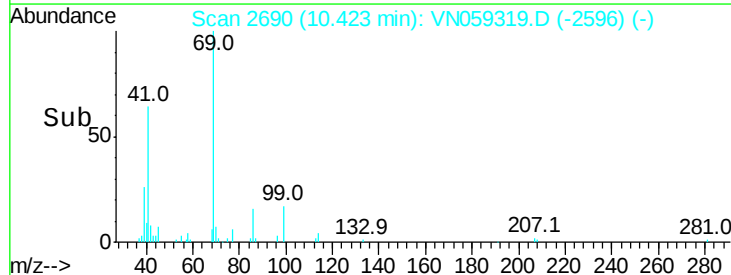
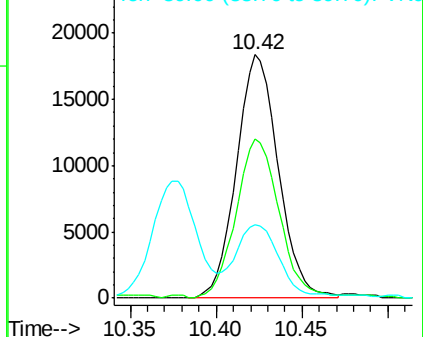


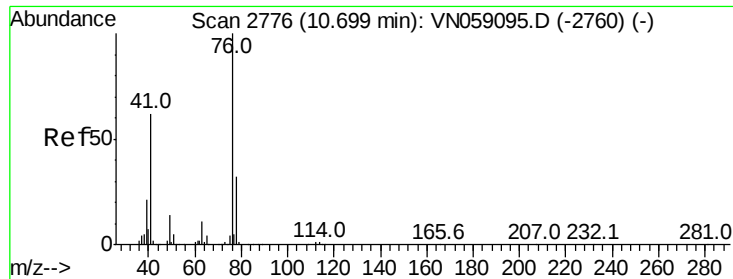
#56
Ethyl methacrylate
Concen: 4.677 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 69 Resp: 31035
Ion Ratio Lower Upper
69 100
41 67.4 53.6 80.4
39 28.5 26.2 39.4



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: 5.150 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

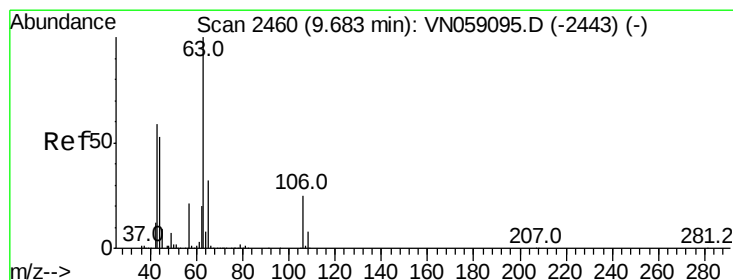
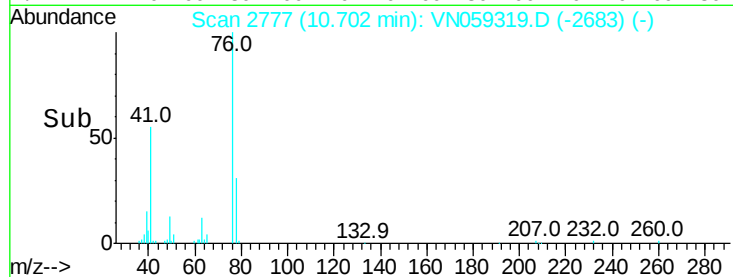
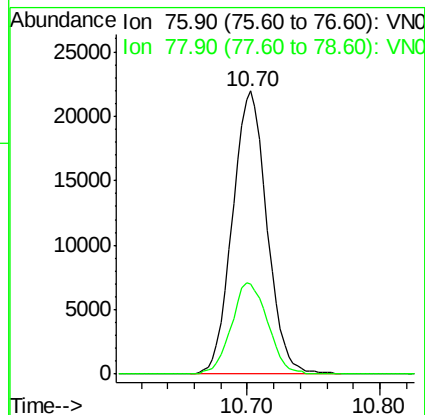
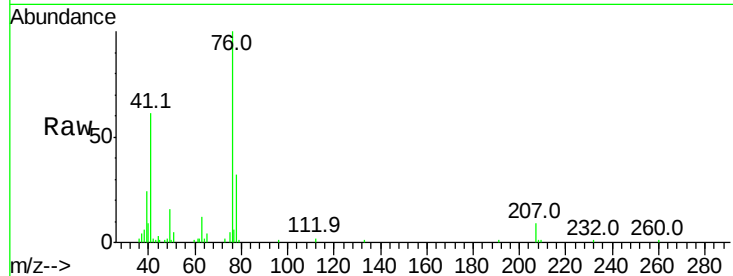
VSTDIC005

Tgt Ion: 76 Resp: 39623

Ion Ratio Lower Upper

76 100

78 33.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 18.145 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059319.D

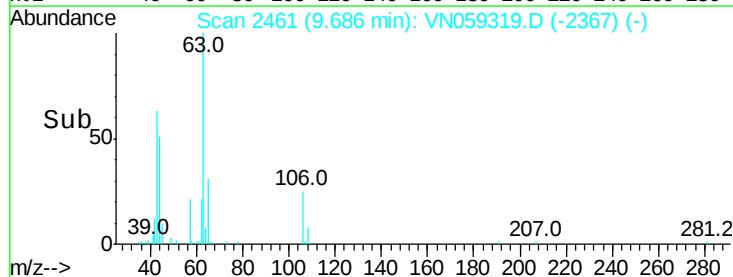
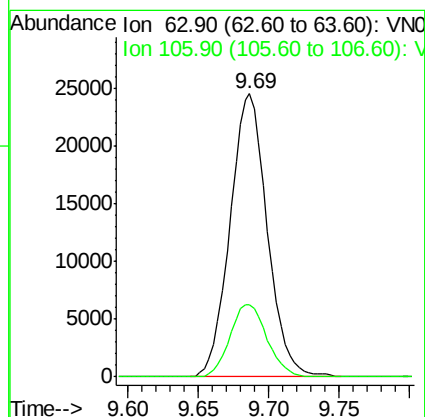
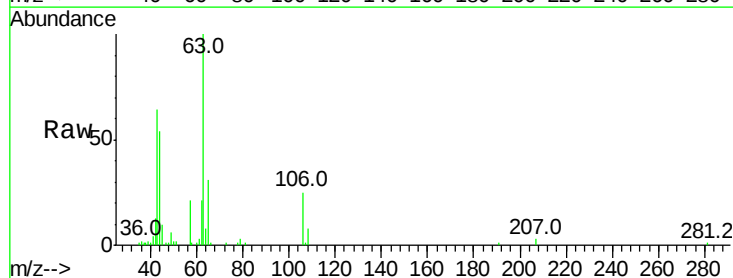
Acq: 20 Nov 2019 11:46

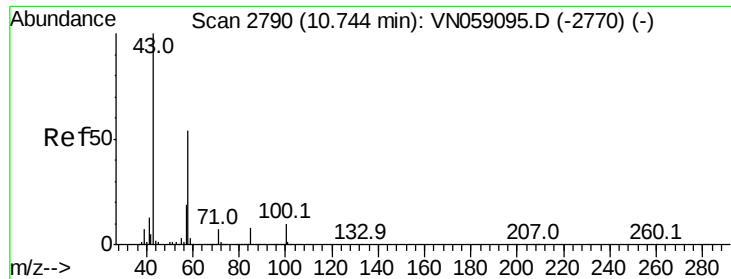
Tgt Ion: 63 Resp: 45141

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2

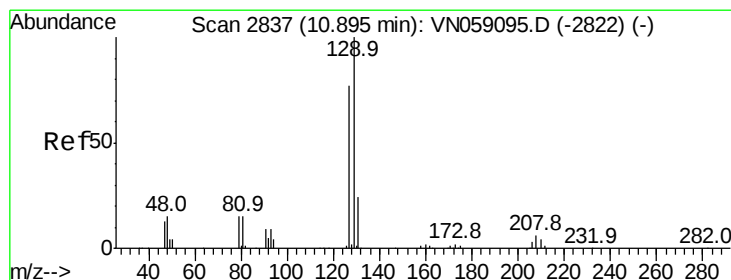
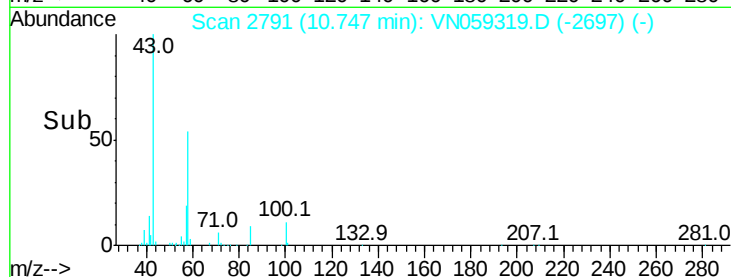
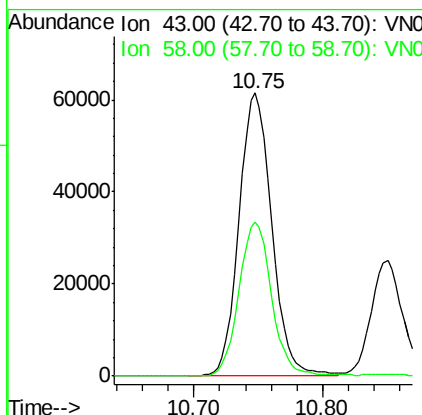
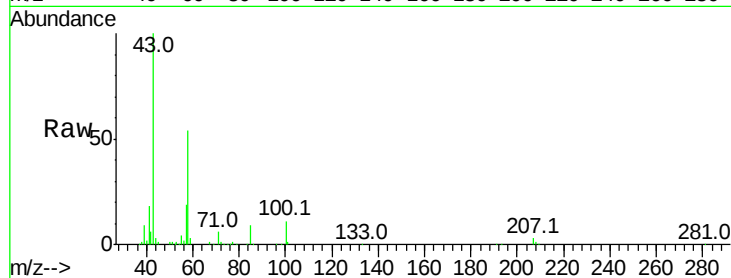




#59
2-Hexanone
Concen: 23.096 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

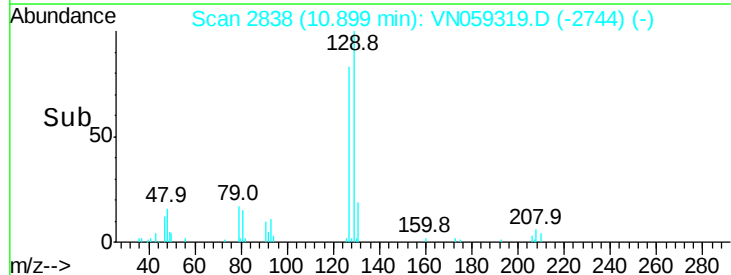
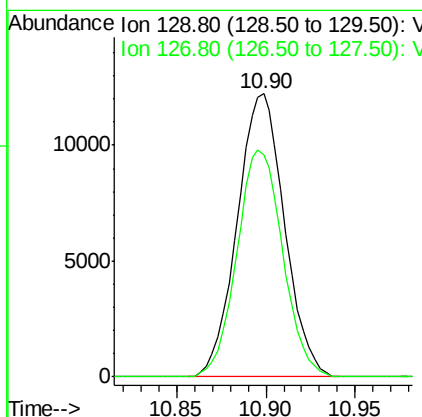
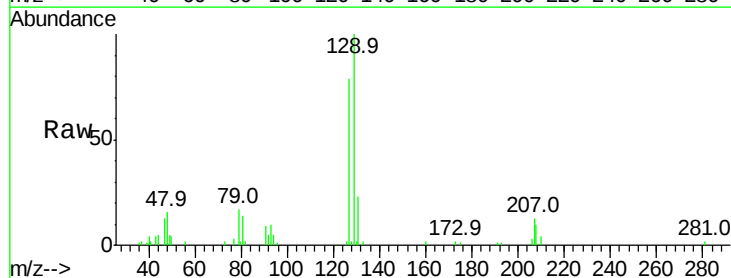
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

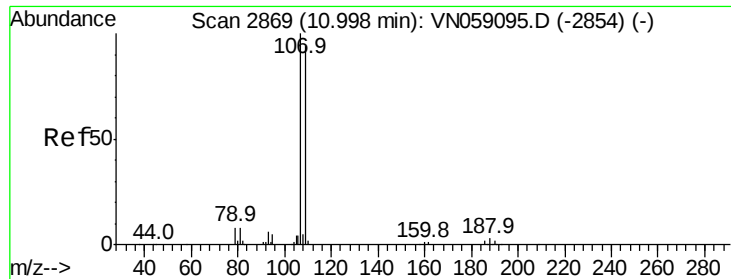
Tgt Ion: 43 Resp: 108871
Ion Ratio Lower Upper
43 100
58 54.4 27.3 81.8



#60
Dibromochloromethane
Concen: 4.778 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion: 129 Resp: 22584
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

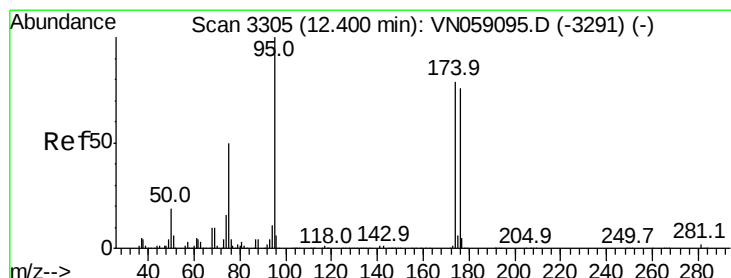
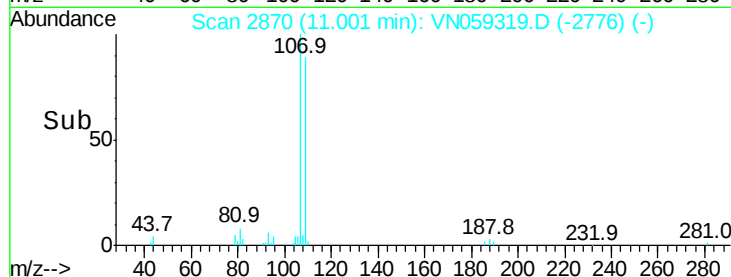
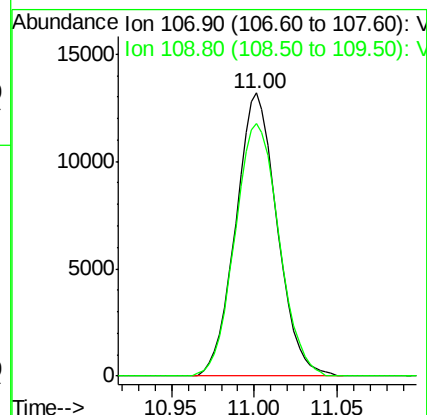
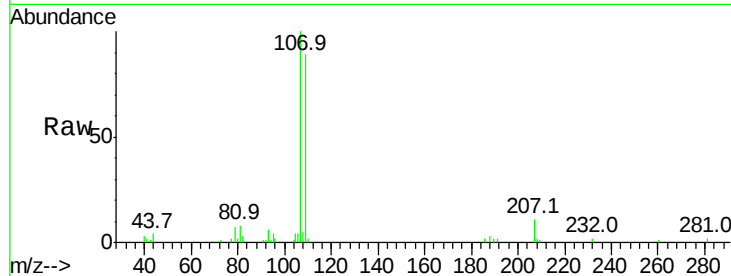




#61
 1,2-Dibromoethane
 Concen: 5.049 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

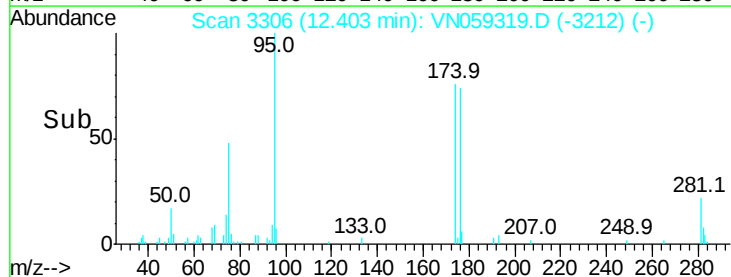
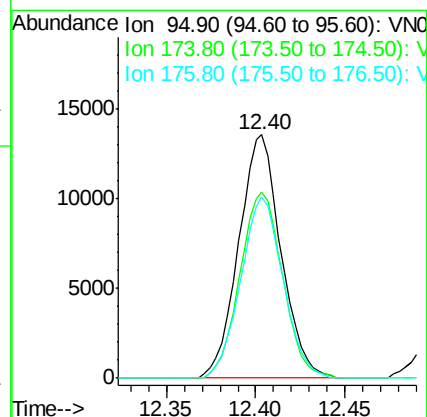
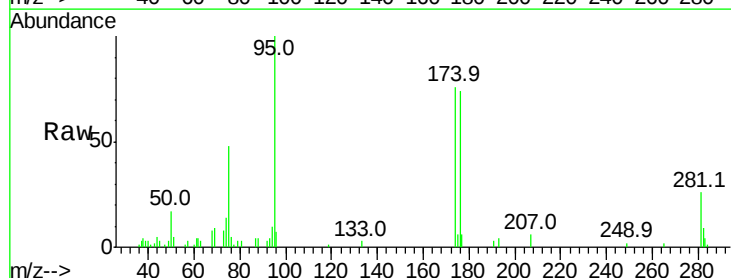
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

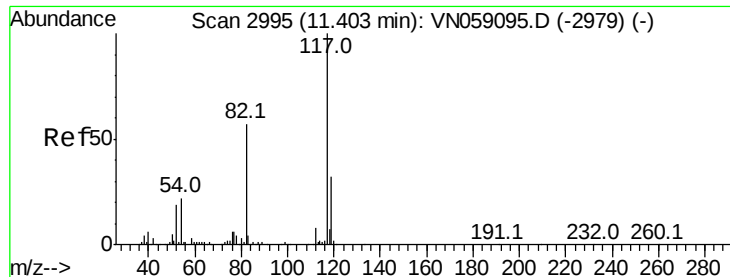
Tgt Ion: 107 Resp: 22850
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 4.029 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion: 95 Resp: 22372
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 158.2
 176 74.7 0.0 151.8

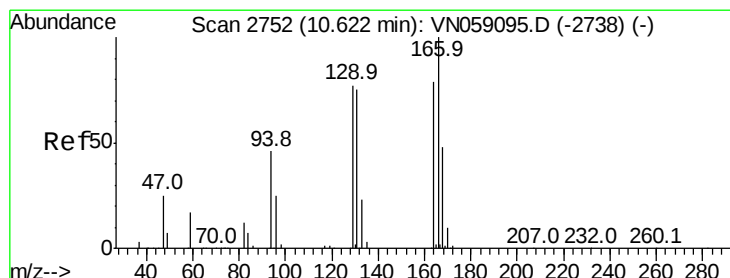
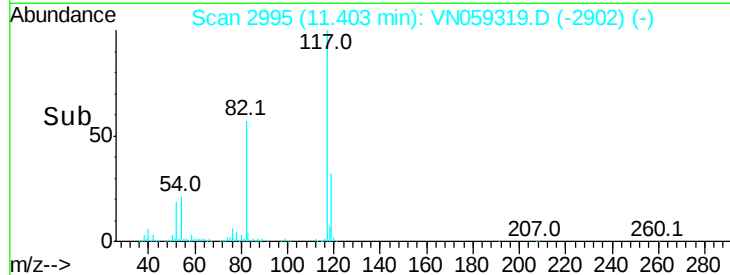
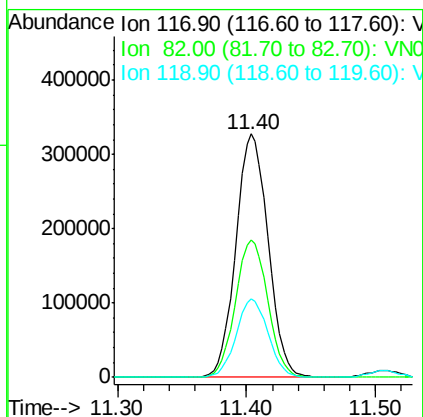
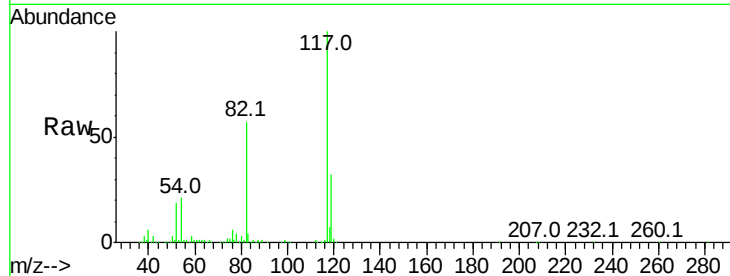




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

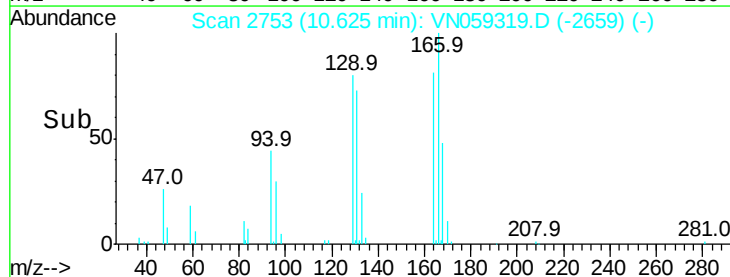
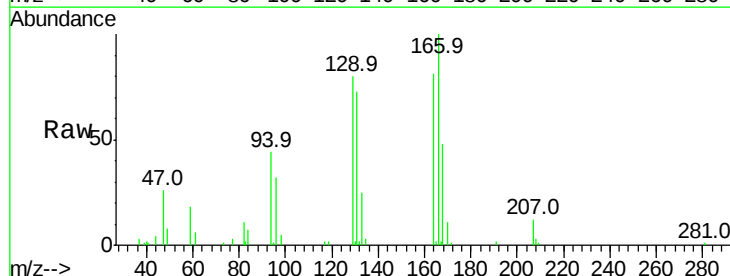
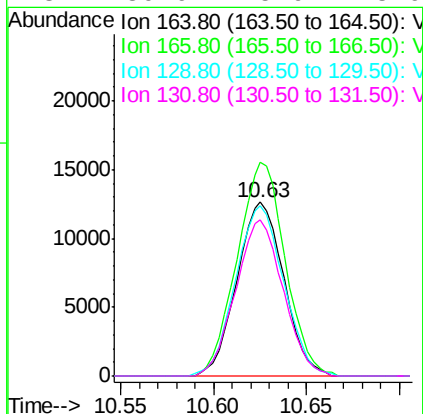
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

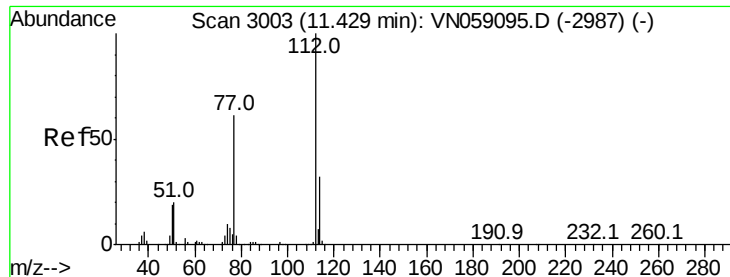
Tgt Ion:117 Resp: 568084
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.8
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 5.755 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion:164 Resp: 22229
Ion Ratio Lower Upper
164 100
166 122.9 101.5 152.3
129 98.2 78.3 117.5
131 89.9 75.9 113.9





#65

Chlorobenzene

Concen: 5.525 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

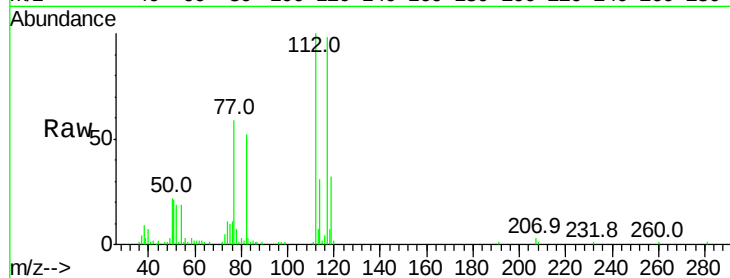
VSTDIC005

Tgt Ion:112 Resp: 61188

Ion Ratio Lower Upper

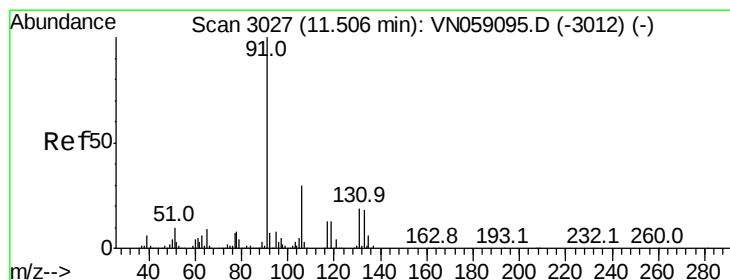
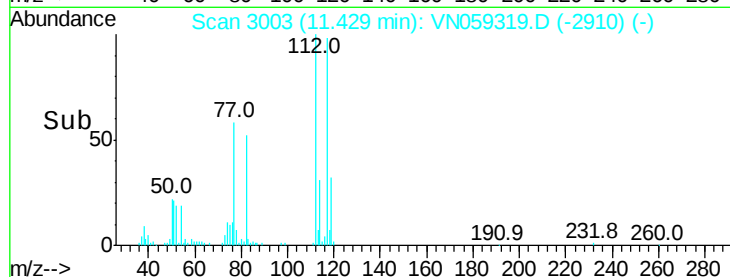
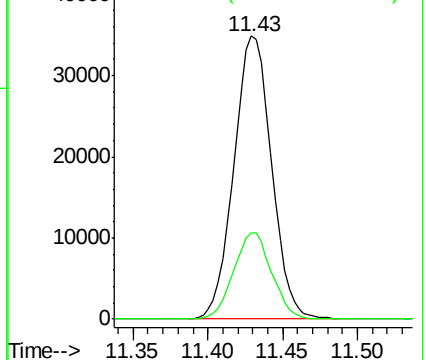
112 100

114 30.6 25.2 37.8



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: 5.341 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

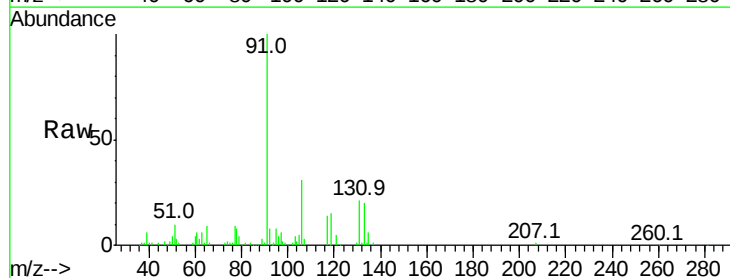
Tgt Ion:131 Resp: 22189

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

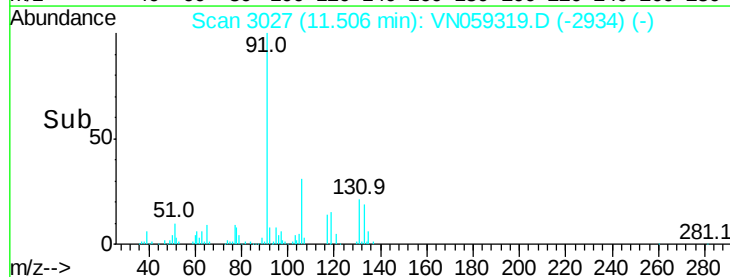
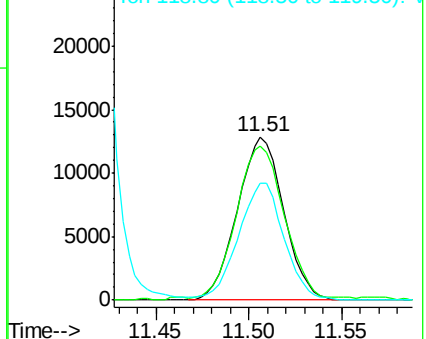
119 71.0 33.2 99.6

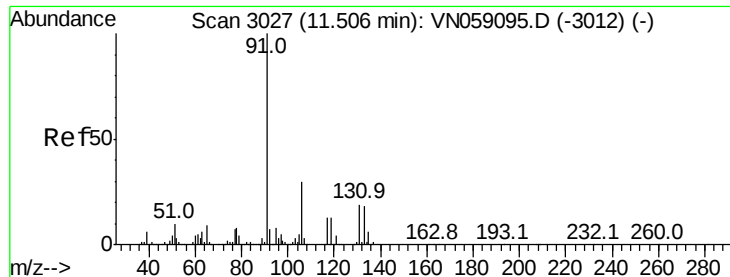


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.537 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

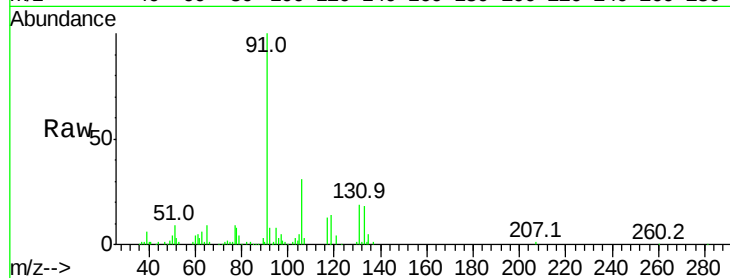
VSTDIC005

Tgt Ion: 91 Resp: 108788

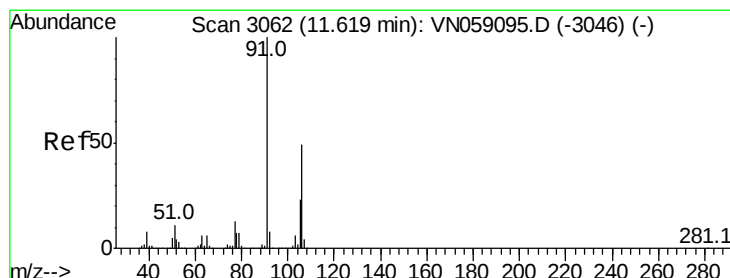
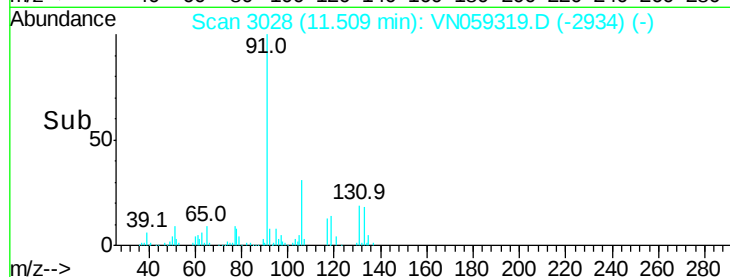
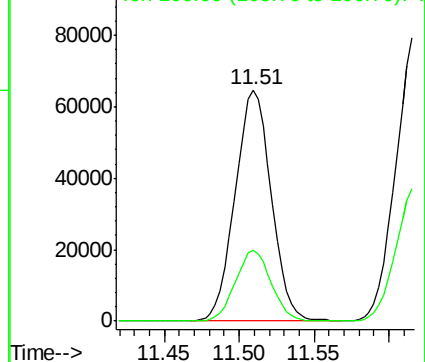
Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059319.D (-2934) (-)



#68

m/p-Xylenes

Concen: 10.437 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059319.D

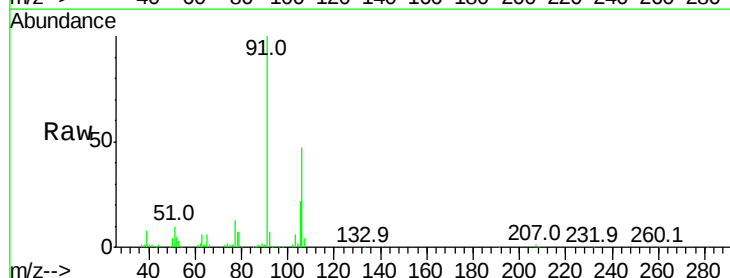
Acq: 20 Nov 2019 11:46

Tgt Ion: 106 Resp: 76818

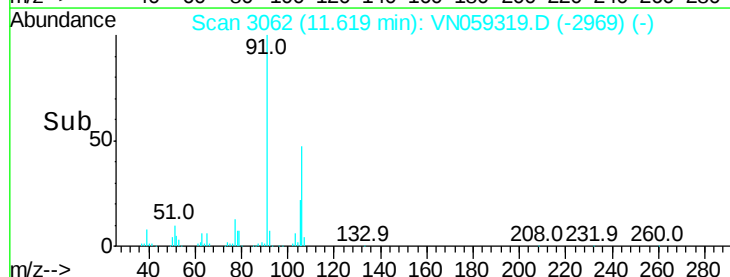
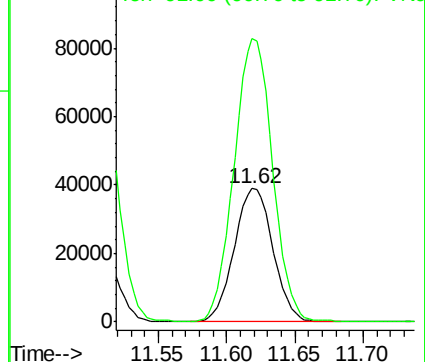
Ion Ratio Lower Upper

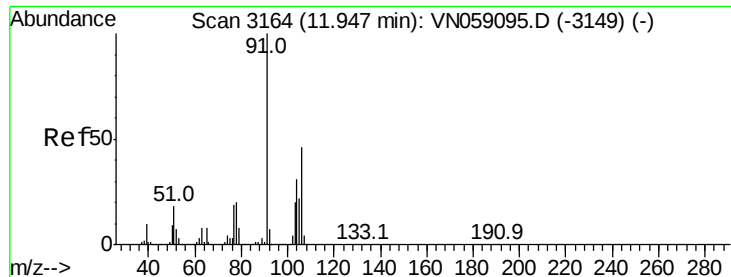
106 100

91 211.6 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059319.D (-2969) (-)

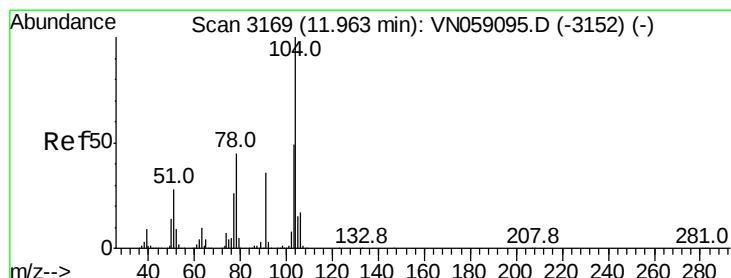
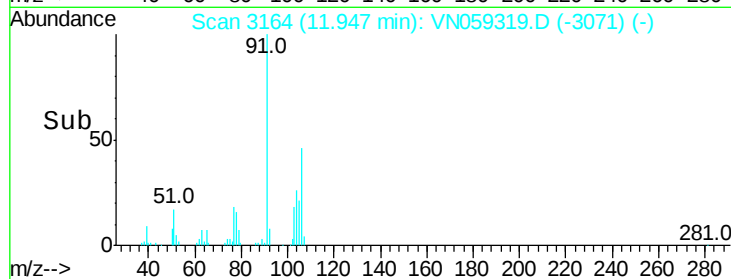
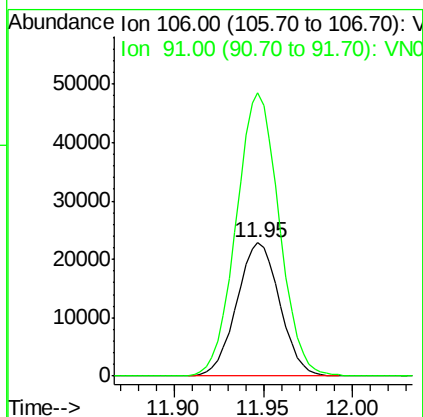
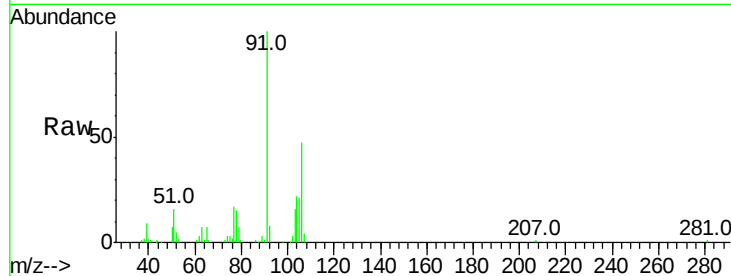




#69
o-Xylene
Concen: 5.378 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

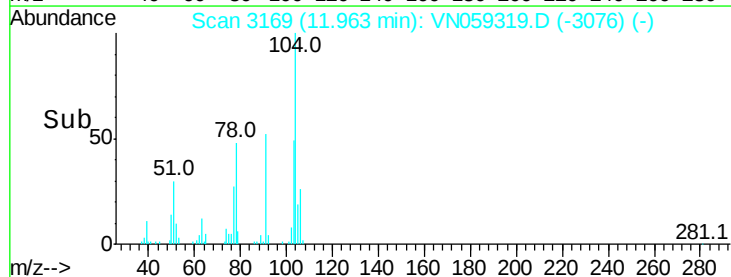
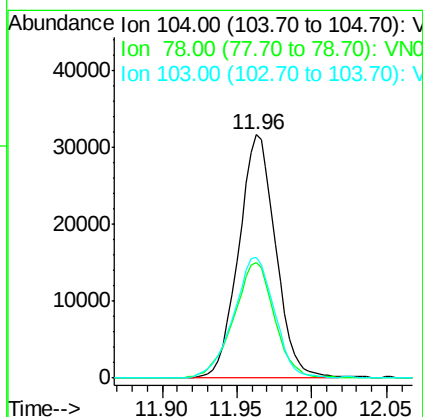
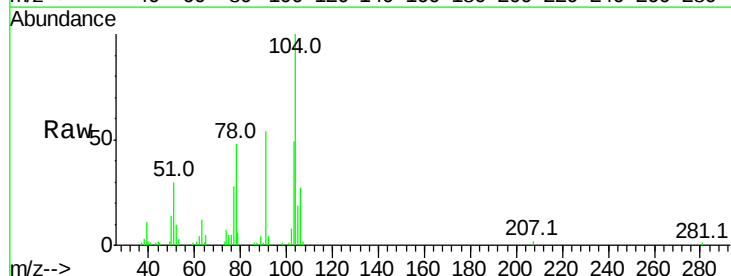
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

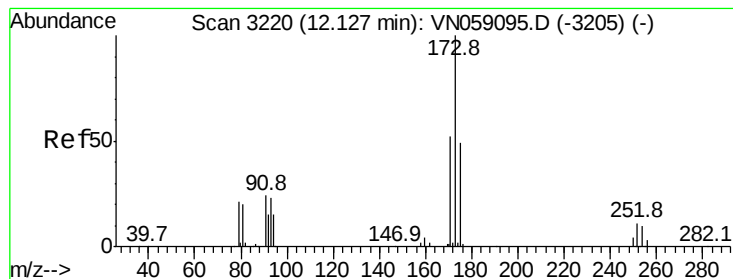
Tgt Ion:106 Resp: 38255
Ion Ratio Lower Upper
106 100
91 212.6 110.1 330.3



#70
Styrene
Concen: 4.881 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion:104 Resp: 54600
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 54.7 43.8 65.6





#71

Bromoform

Concen: 4.580 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

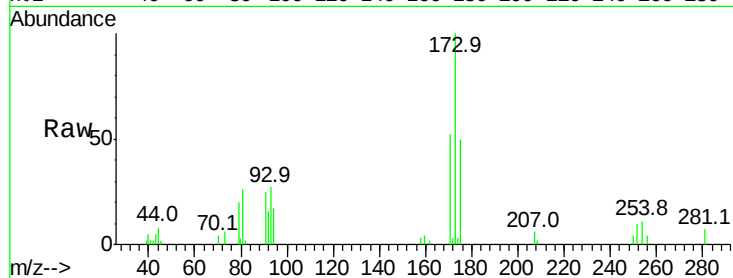
Tgt Ion:173 Resp: 14798

Ion Ratio Lower Upper

173 100

175 49.5 24.2 72.6

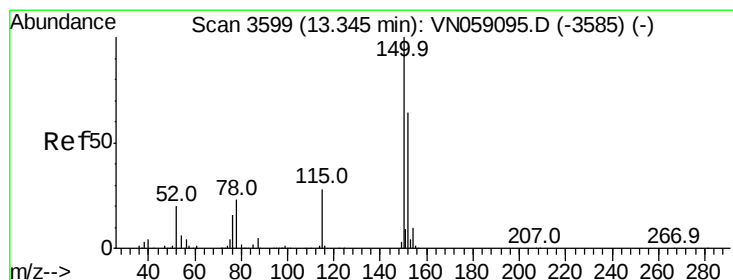
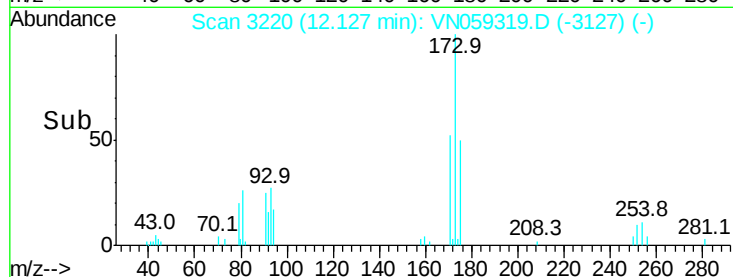
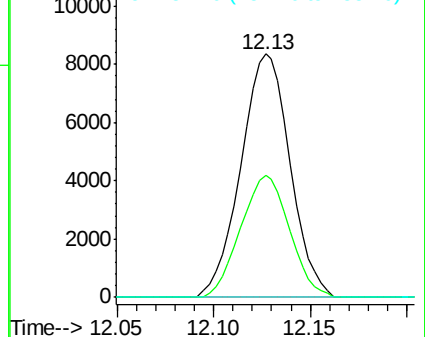
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

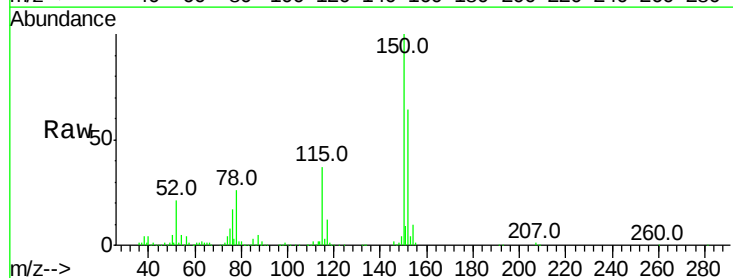
Tgt Ion:152 Resp: 231045

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

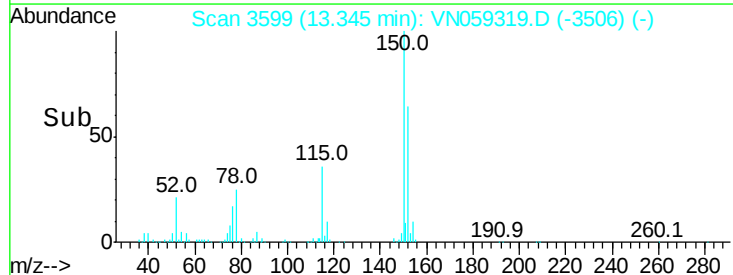
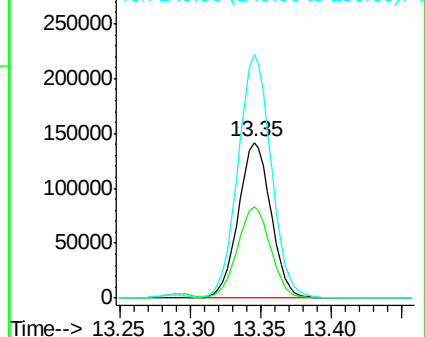
150 158.3 0.0 345.8

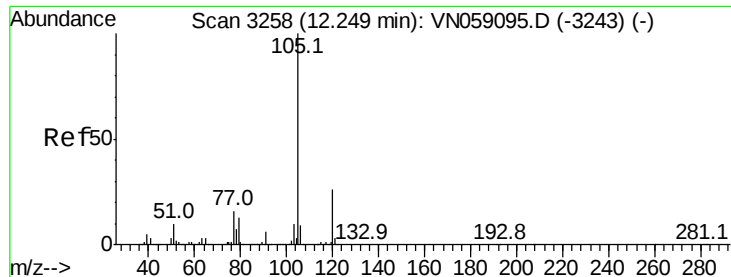


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.997 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

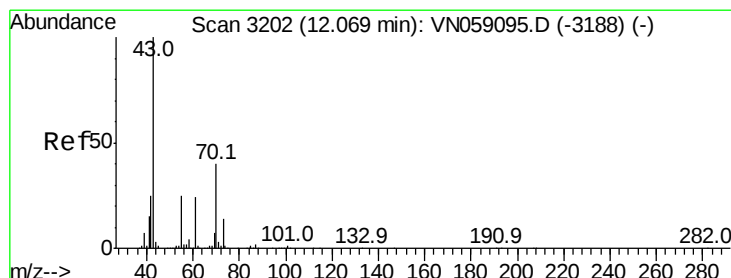
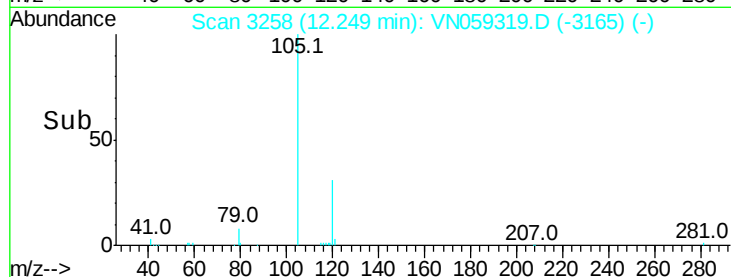
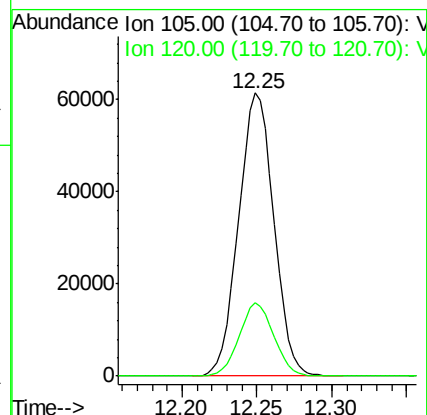
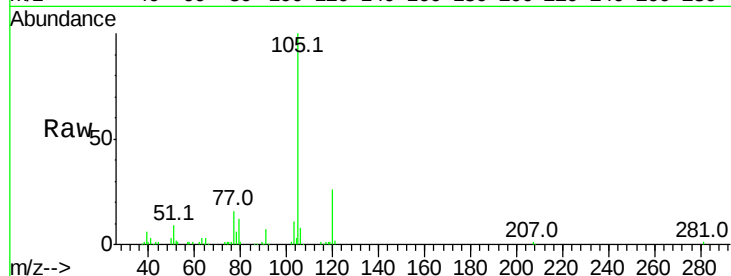
VSTDIC005

Tgt Ion: 105 Resp: 100788

Ion Ratio Lower Upper

105 100

120 25.3 13.1 39.3



#74

N-ethyl acetate

Concen: 4.968 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Tgt Ion: 43 Resp: 35379

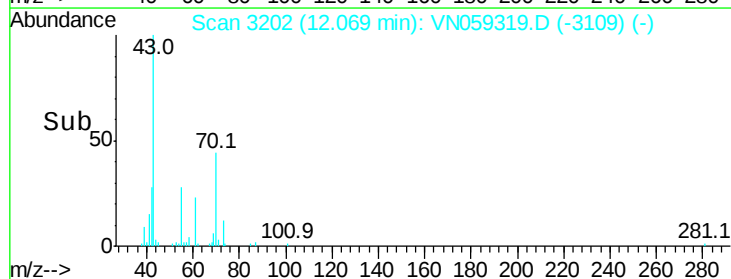
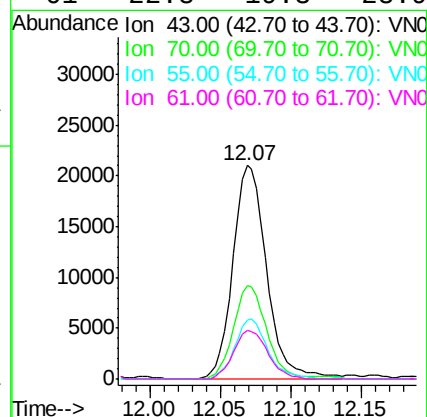
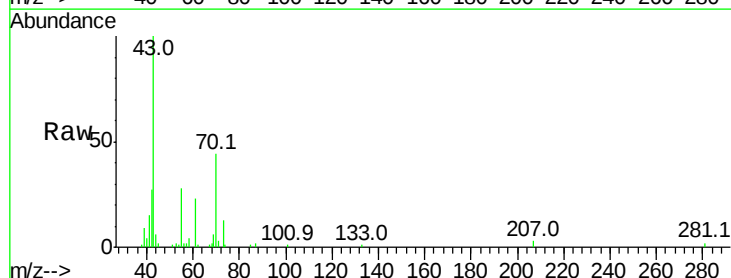
Ion Ratio Lower Upper

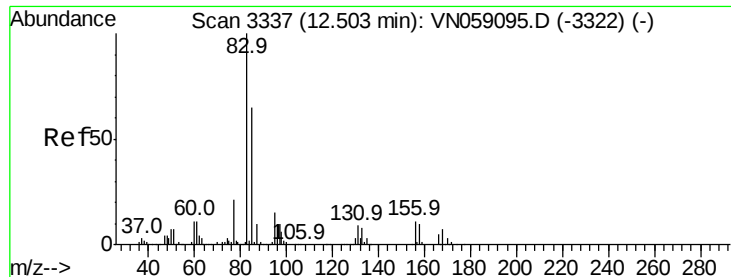
43 100

70 42.9 32.2 48.4

55 27.0 20.4 30.6

61 22.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.789 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

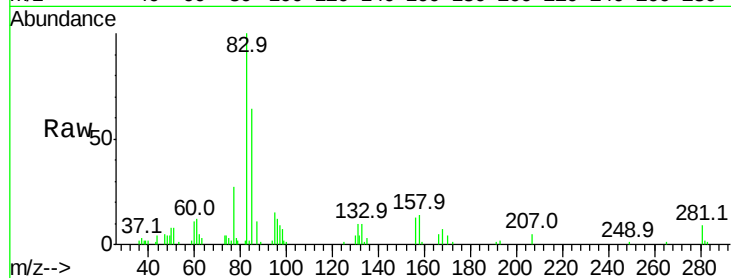
Tgt Ion: 83 Resp: 33134

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

85 63.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059319.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059319.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059319.D (-3338) (-)

12.51

25000

20000

15000

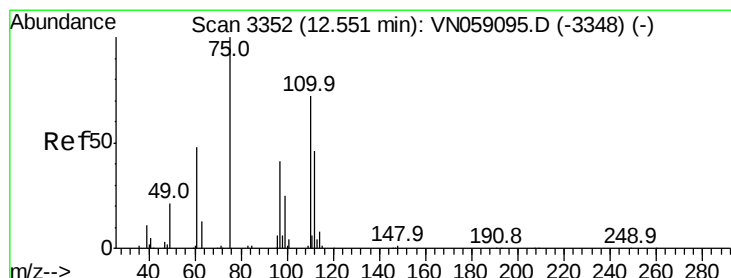
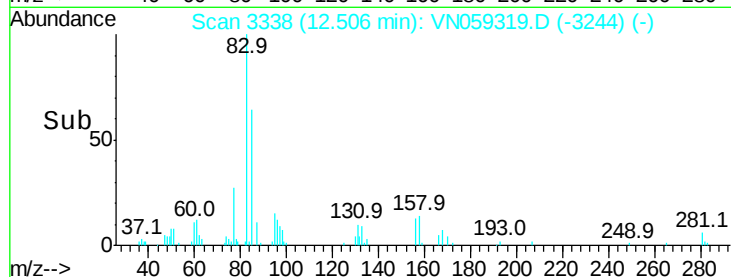
10000

5000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 8.002 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059319.D

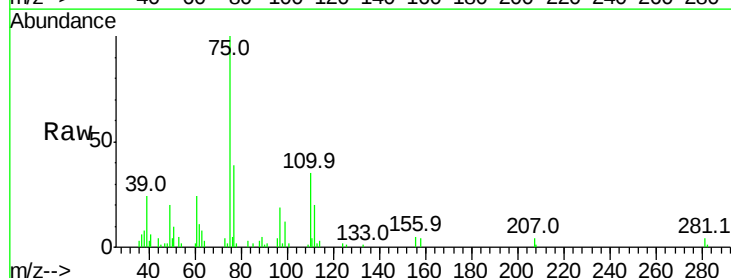
Acq: 20 Nov 2019 11:46

Tgt Ion: 75 Resp: 42091

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059319.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059319.D (-3353) (-)

12.55

25000

20000

15000

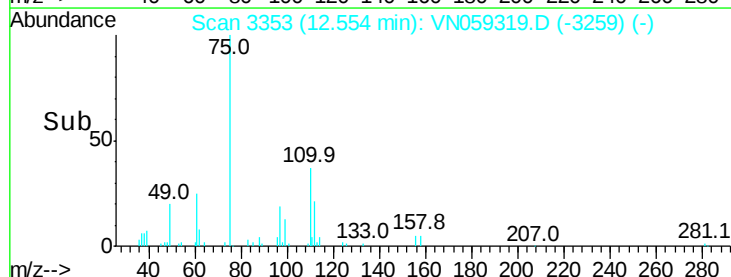
10000

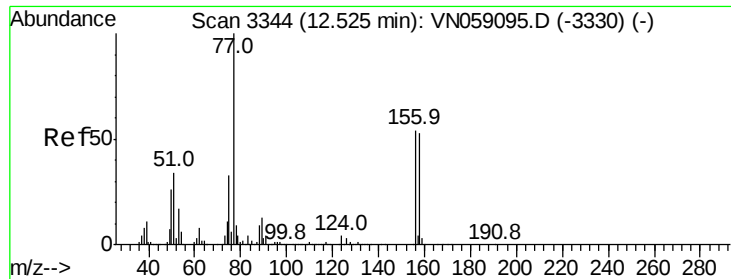
5000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 5.665 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

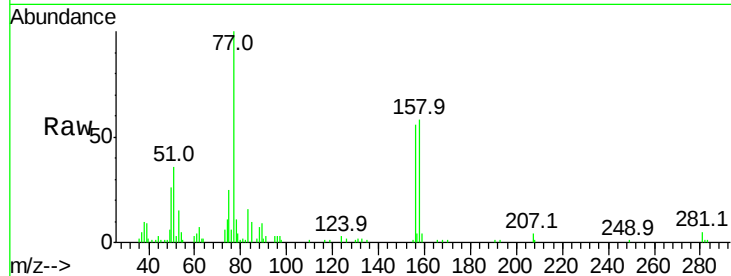
Tgt Ion:156 Resp: 23920

Ion Ratio Lower Upper

156 100

77 217.6 112.8 338.3

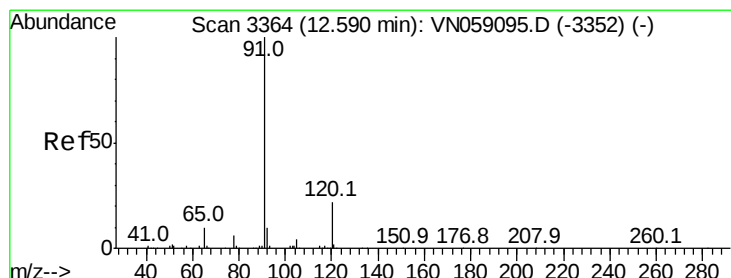
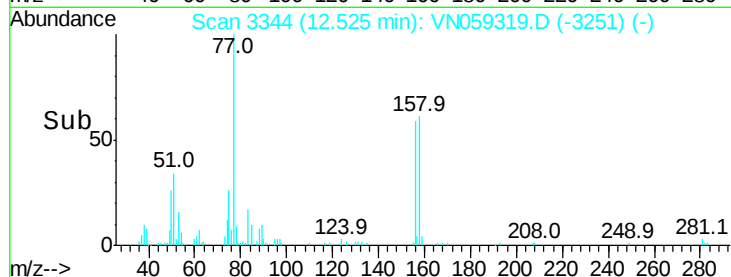
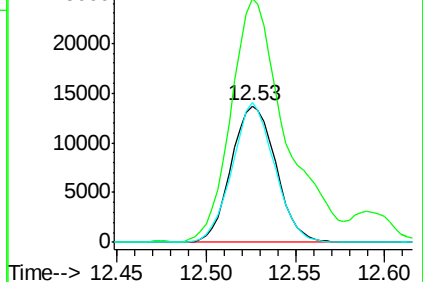
158 96.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.711 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059319.D

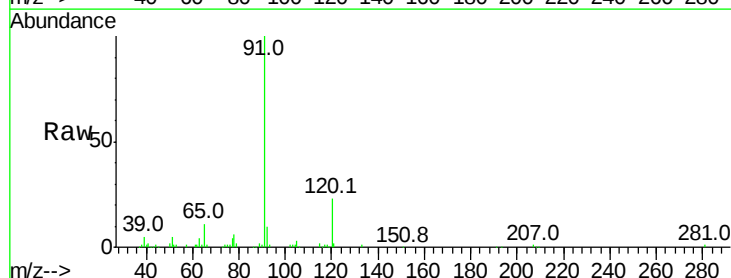
Acq: 20 Nov 2019 11:46

Tgt Ion: 91 Resp: 109897

Ion Ratio Lower Upper

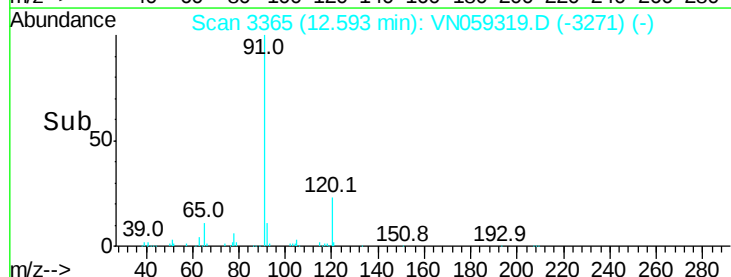
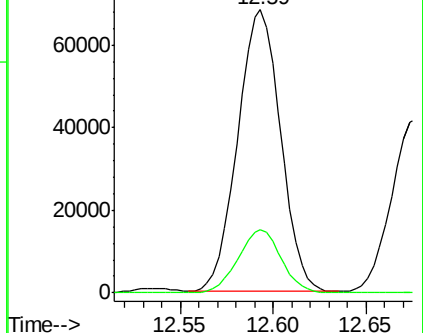
91 100

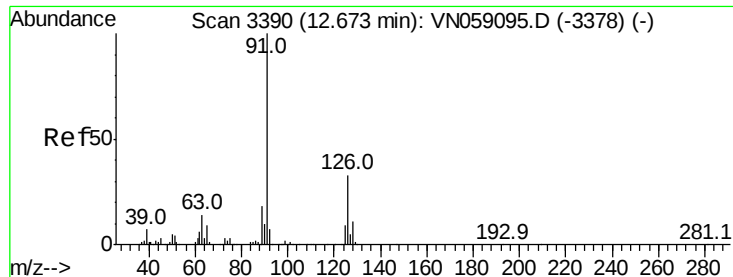
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.725 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

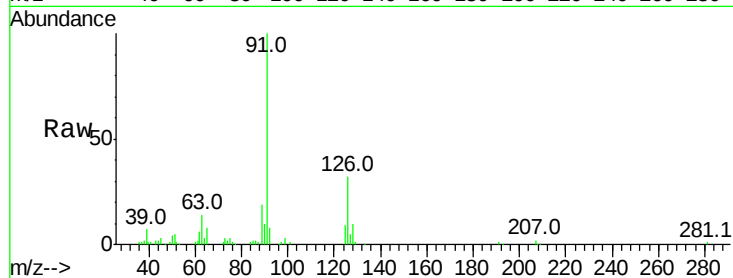
VSTDIC005

Tgt Ion: 91 Resp: 68347

Ion Ratio Lower Upper

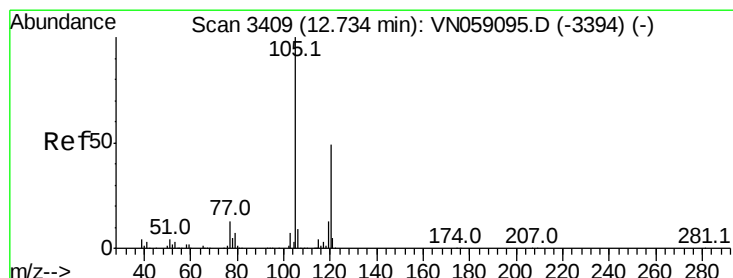
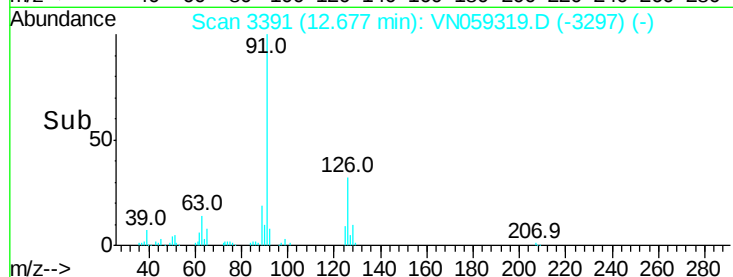
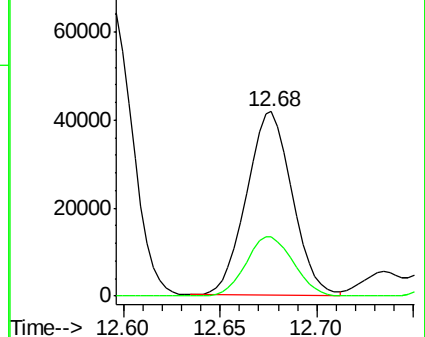
91 100

126 33.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059319.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN059319.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.788 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059319.D

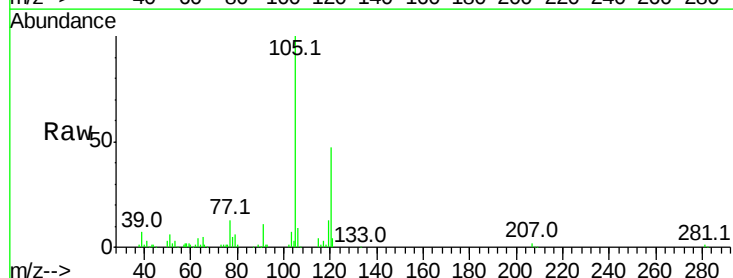
Acq: 20 Nov 2019 11:46

Tgt Ion: 105 Resp: 82425

Ion Ratio Lower Upper

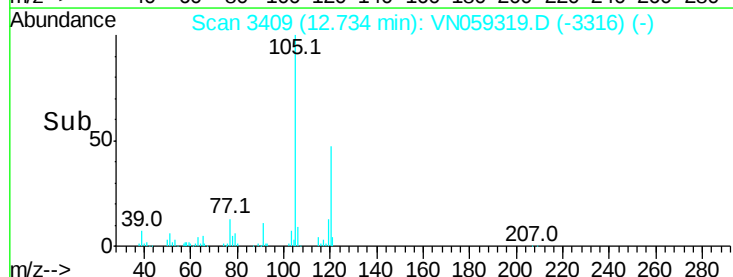
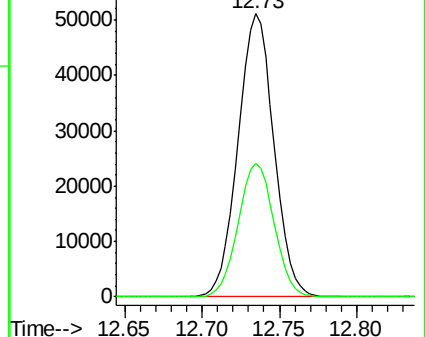
105 100

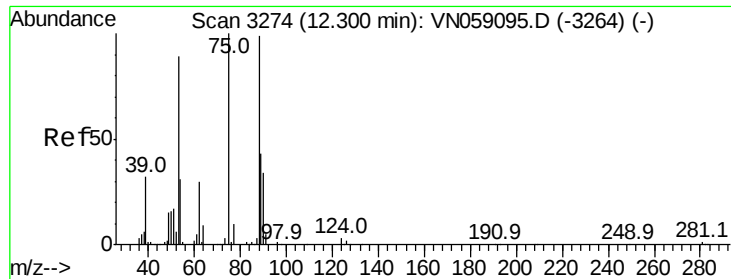
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059319.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN059319.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.954 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

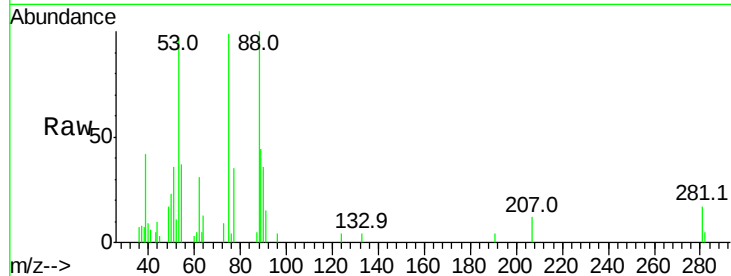
Tgt Ion: 75 Resp: 9865

Ion Ratio Lower Upper

75 100

53 94.7 72.2 108.2

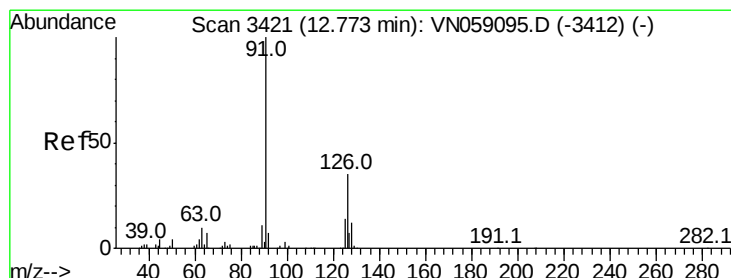
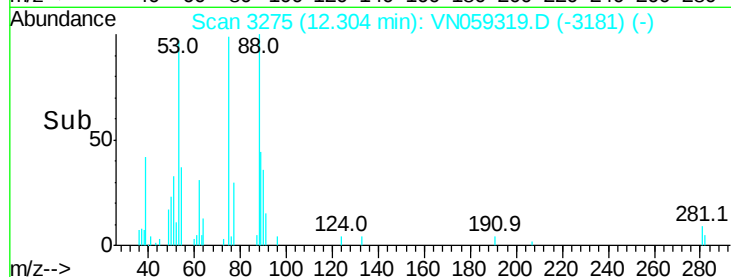
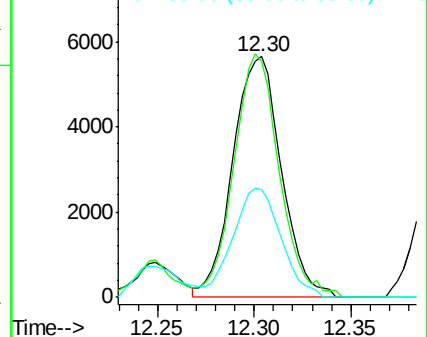
89 44.6 35.8 53.8



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: 5.477 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059319.D

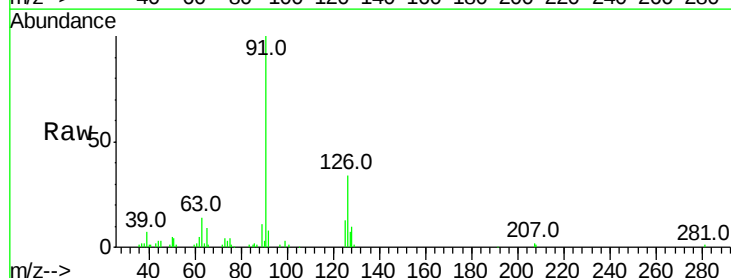
Acq: 20 Nov 2019 11:46

Tgt Ion: 91 Resp: 65582

Ion Ratio Lower Upper

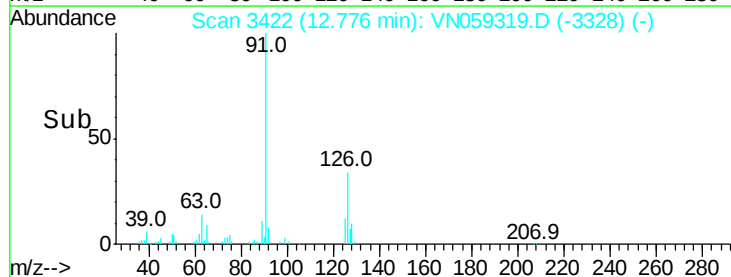
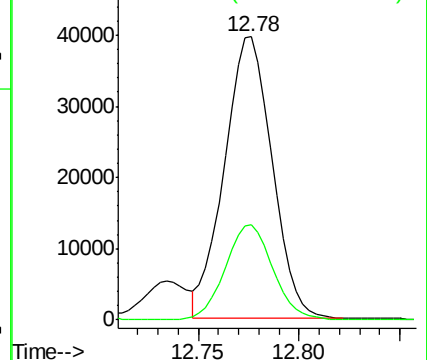
91 100

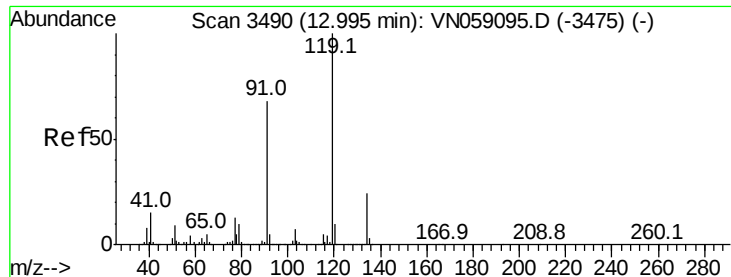
126 33.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

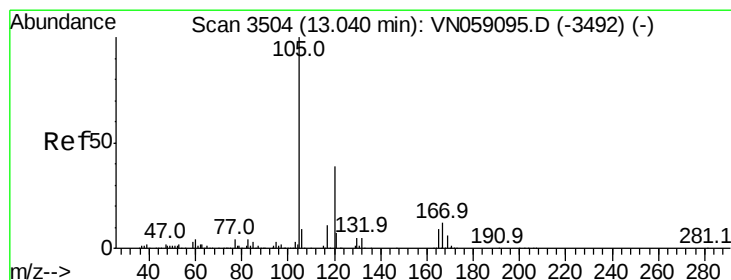
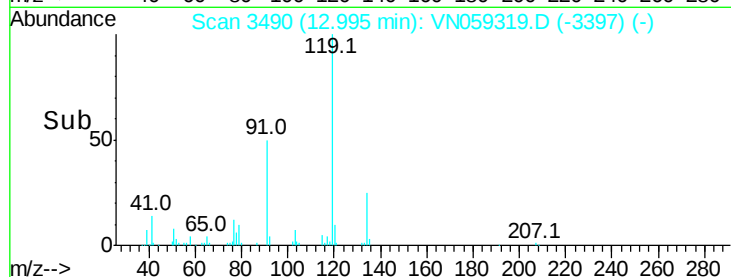
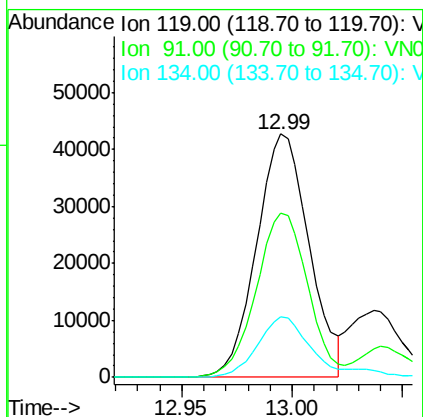
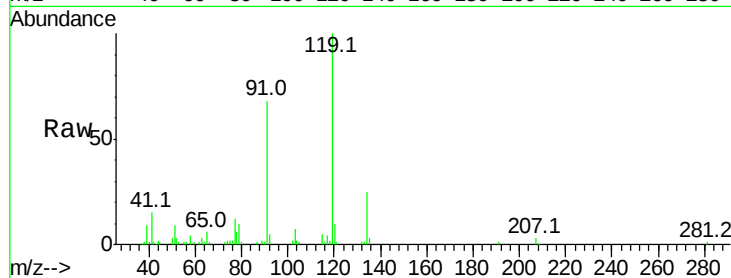




#83
 tert-Butylbenzene
 Concen: 5.737 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

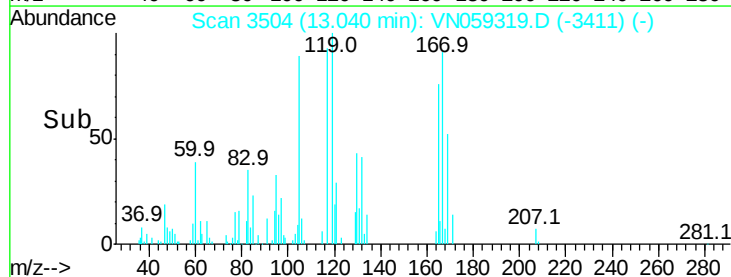
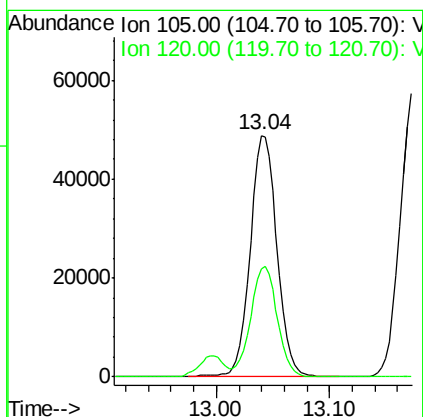
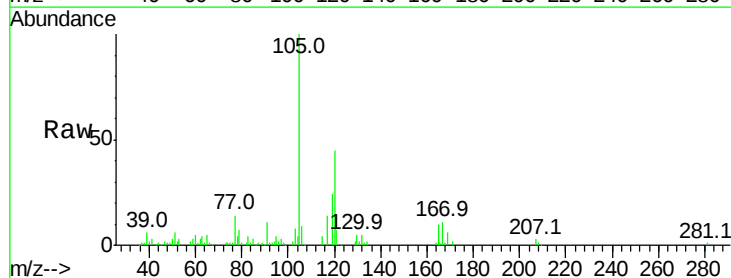
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

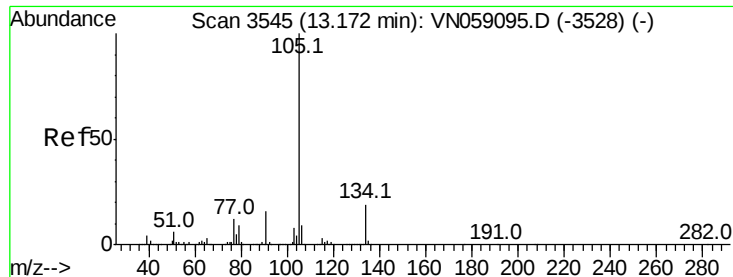
Tgt Ion:119 Resp: 70553
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.2 99.6
 134 26.7 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 5.824 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion:105 Resp: 80248
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 5.849 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

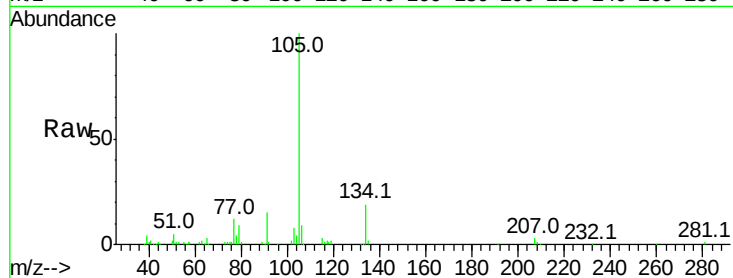
VSTDIC005

Tgt Ion:105 Resp: 93547

Ion Ratio Lower Upper

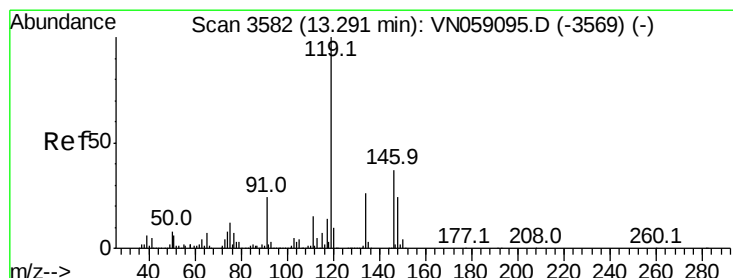
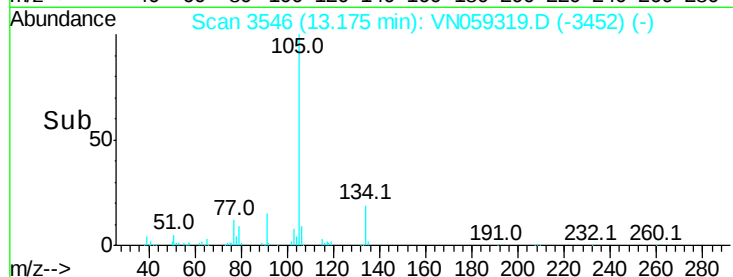
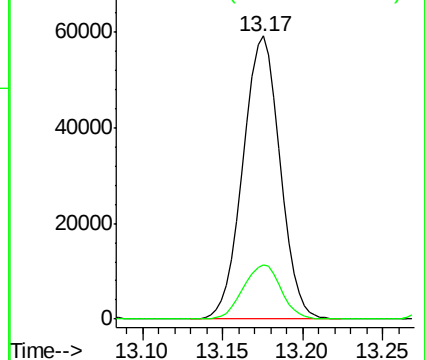
105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.803 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

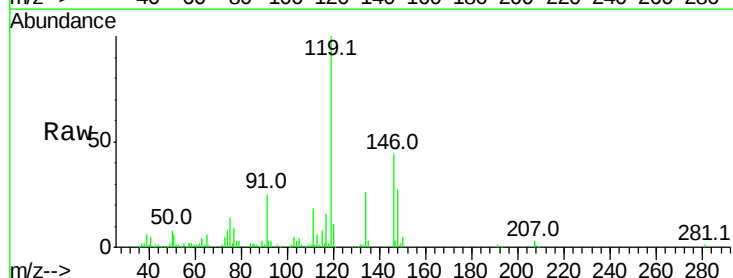
Tgt Ion:119 Resp: 81946

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

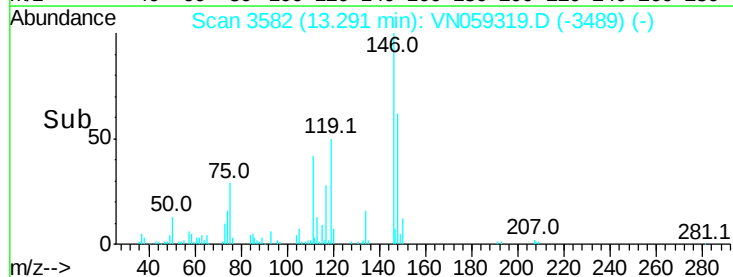
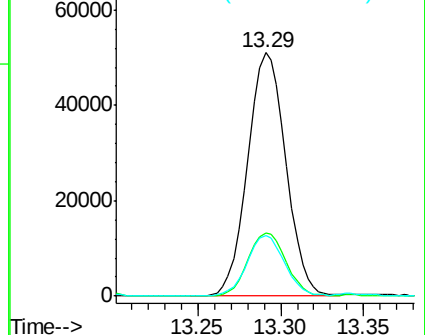
91 24.5 11.7 35.1

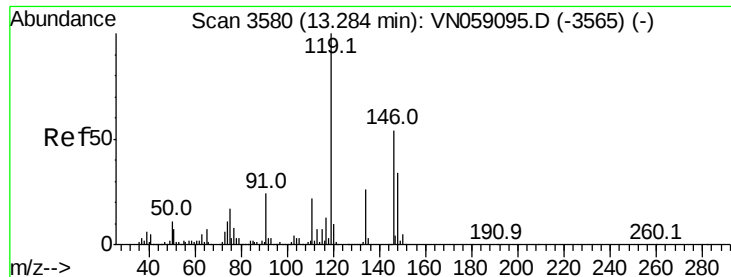


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.640 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

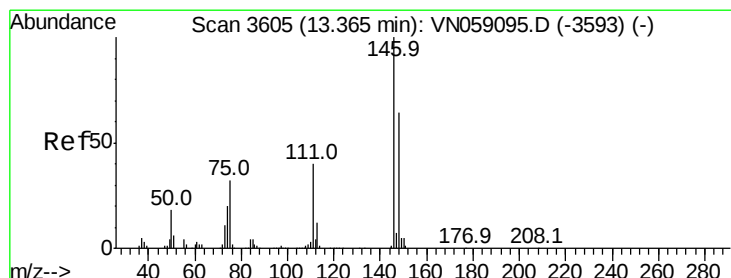
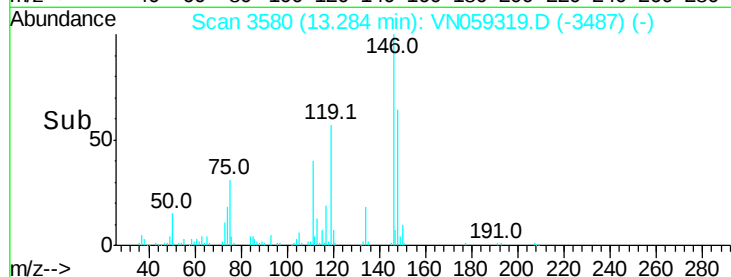
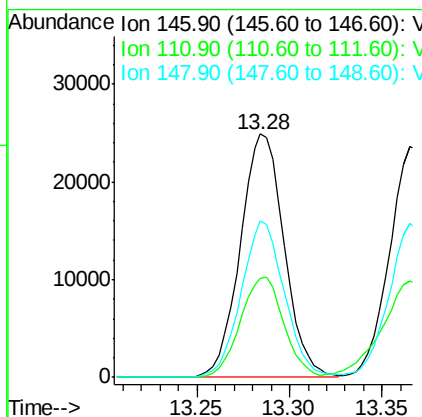
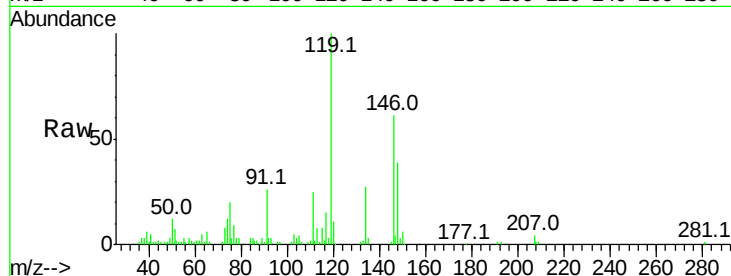
Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 40783

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.4	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 5.441 ug/l

RT: 13.36 min Scan# 3605

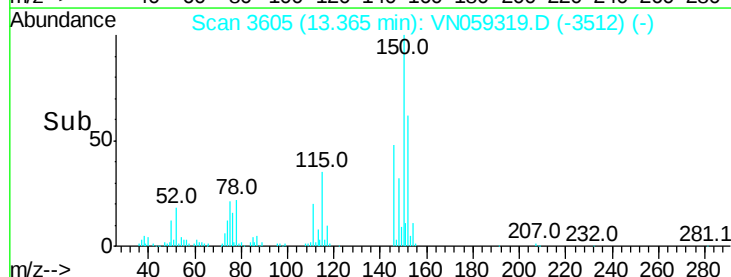
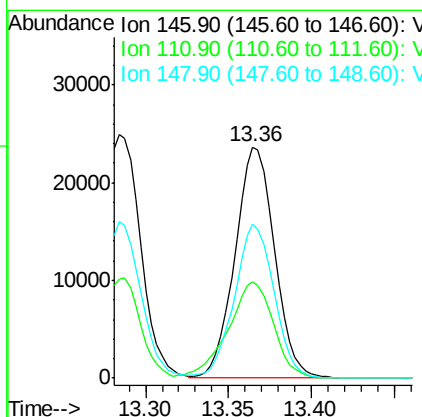
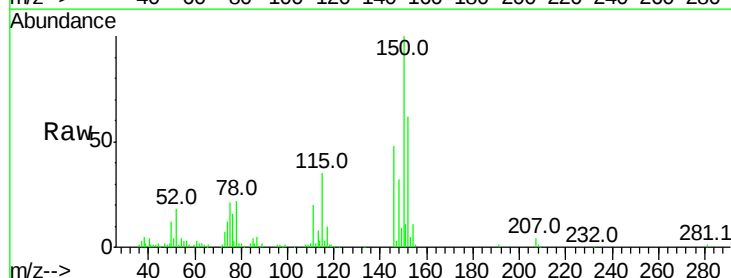
Delta R.T. -0.00 min

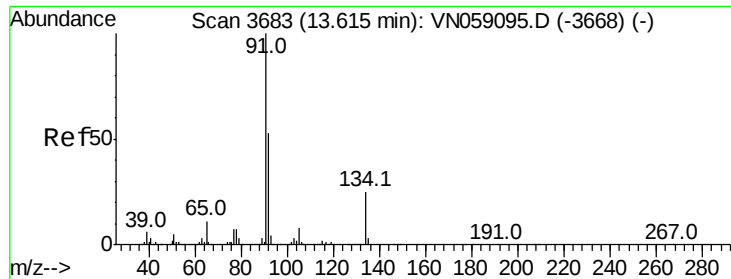
Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Tgt Ion:146 Resp: 39362

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.3	60.9
148	66.5	31.9	95.7





#89

n-Butylbenzene

Concen: 5.456 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059319.D

Acq: 20 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

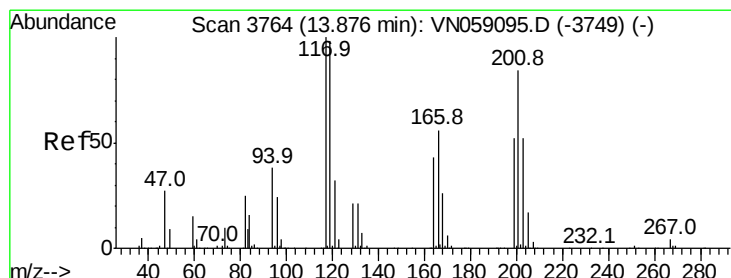
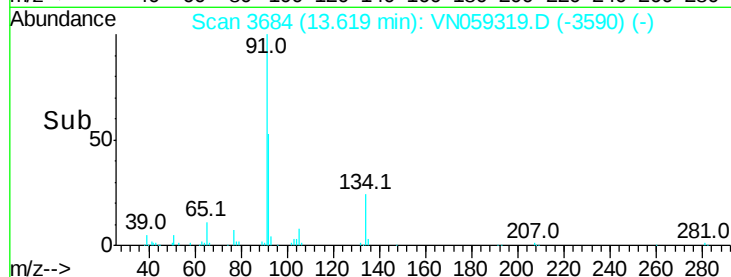
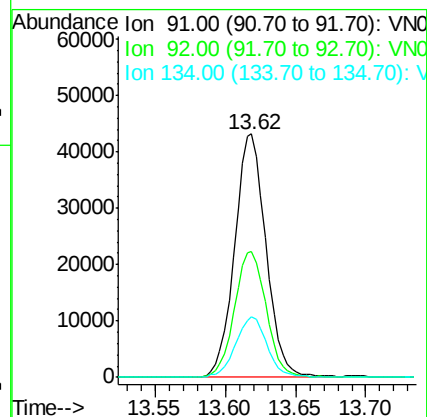
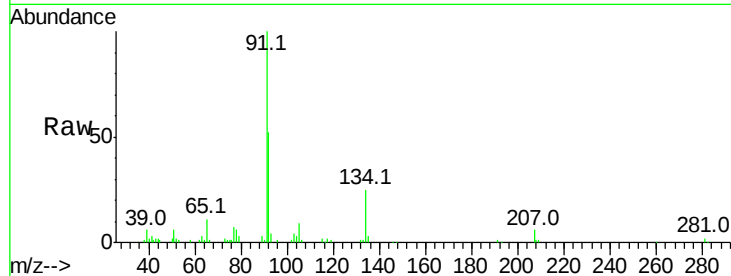
Tgt Ion: 91 Resp: 67441

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.3

134 24.8 12.6 37.8



#90

Hexachloroethane

Concen: 5.320 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059319.D

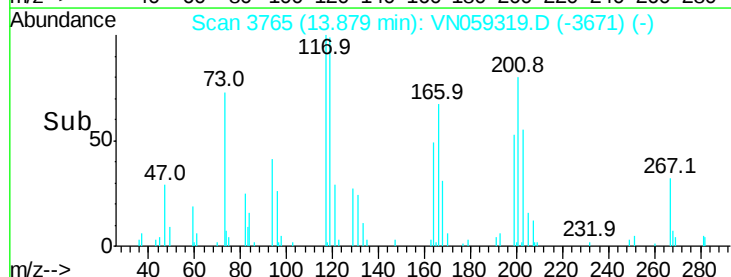
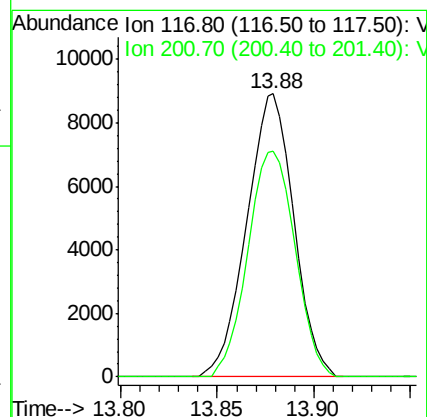
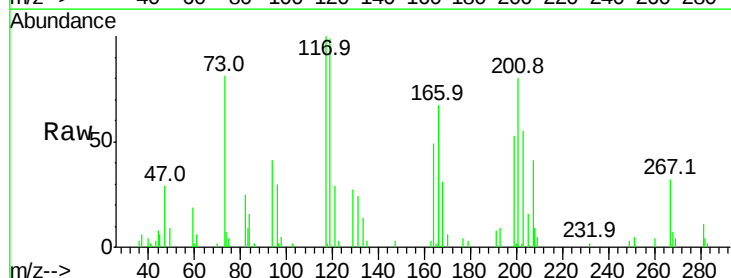
Acq: 20 Nov 2019 11:46

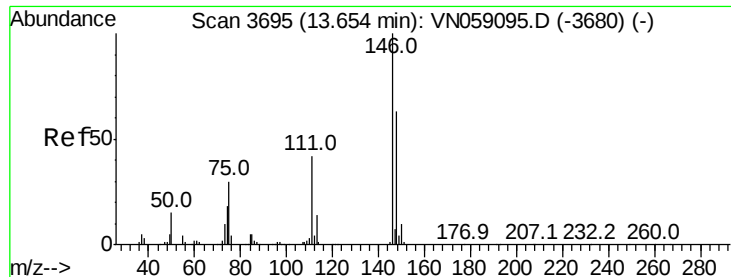
Tgt Ion: 117 Resp: 15086

Ion Ratio Lower Upper

117 100

201 80.0 41.8 125.3

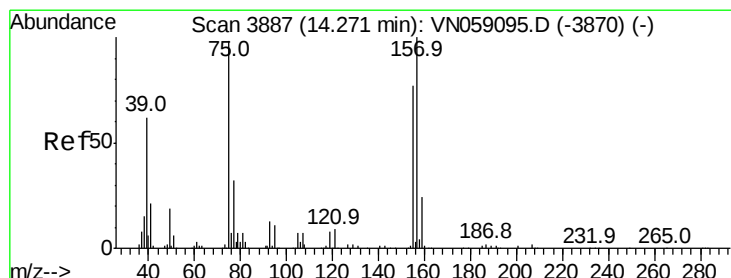
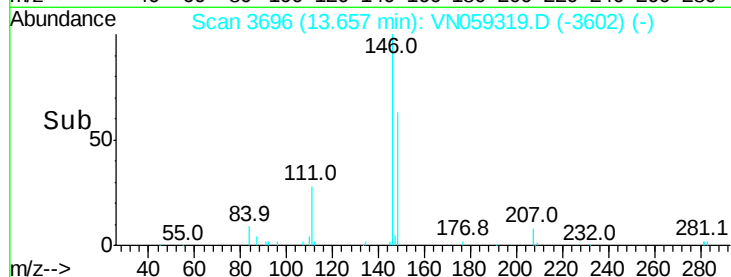
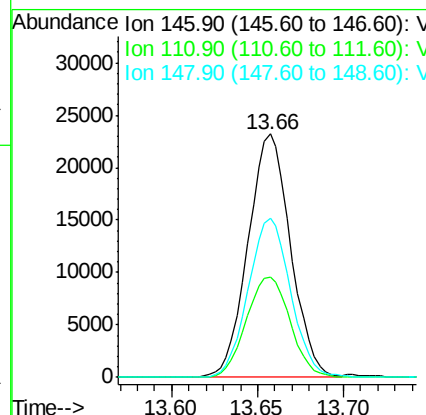
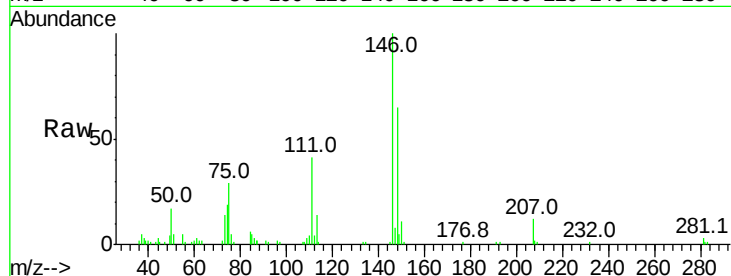




#91
 1,2-Dichlorobenzene
 Concen: 5.600 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

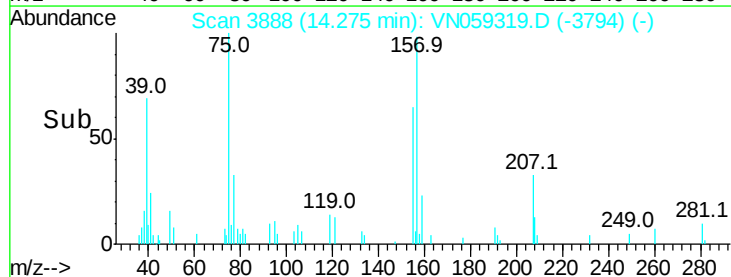
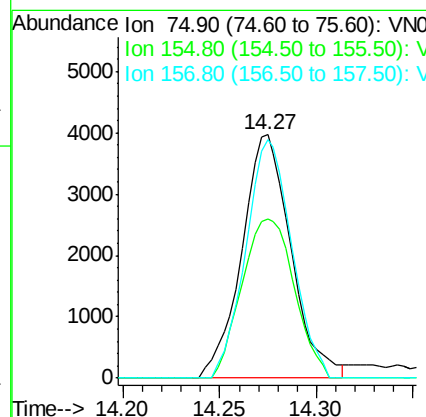
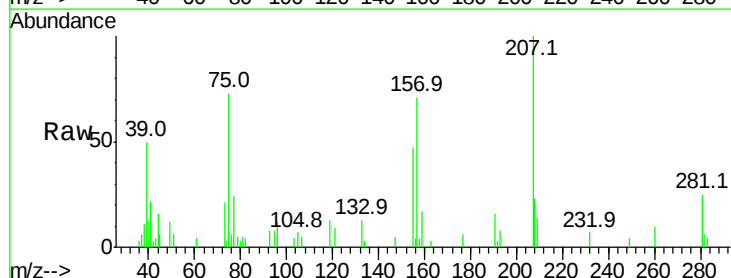
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

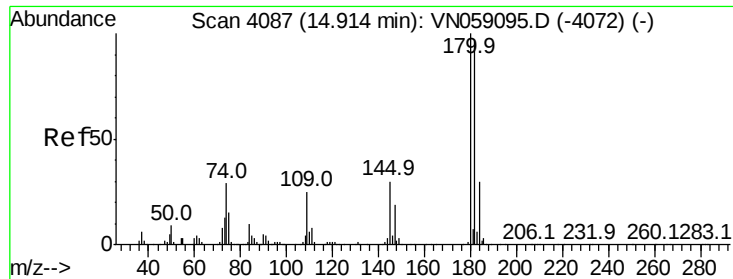
Tgt Ion: 146 Resp: 39831
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 65.0 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.442 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion: 75 Resp: 7030
 Ion Ratio Lower Upper
 75 100
 155 69.6 40.2 120.6
 157 91.5 51.8 155.5

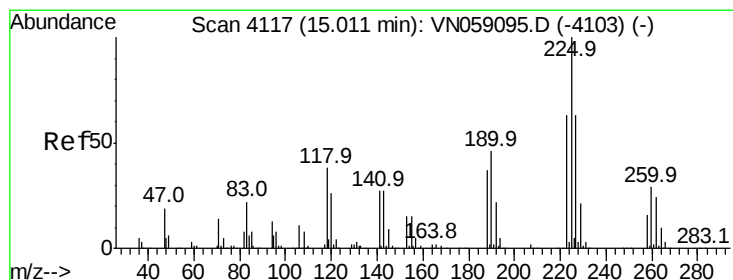
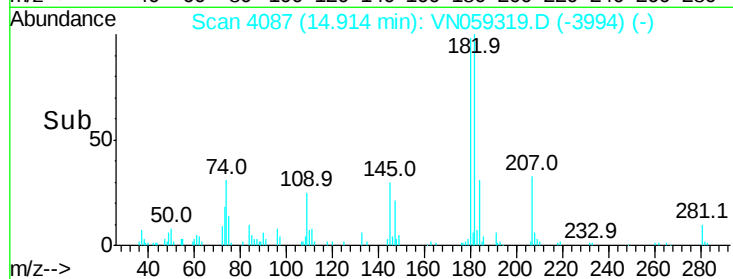
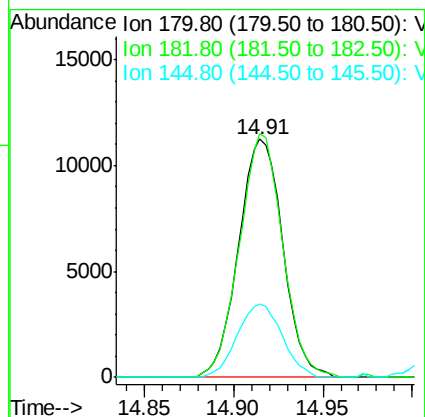
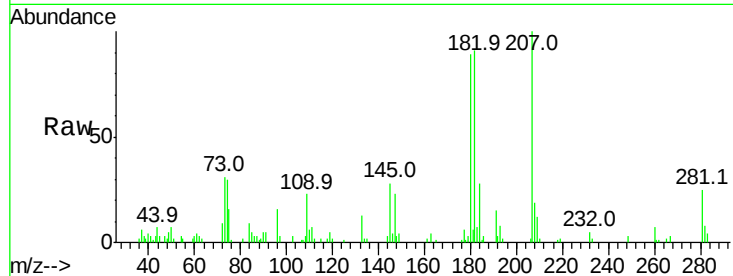




#93
 1,2,4-Trichlorobenzene
 Concen: 5.100 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

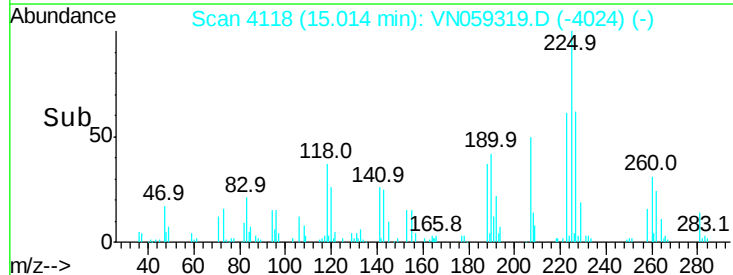
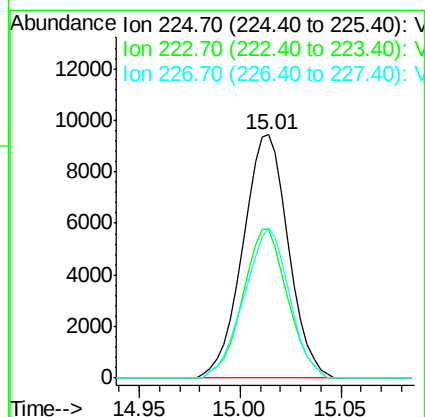
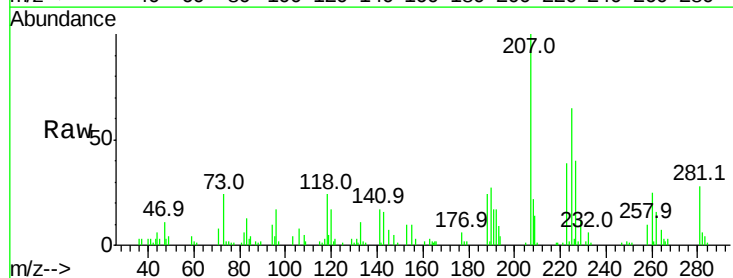
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

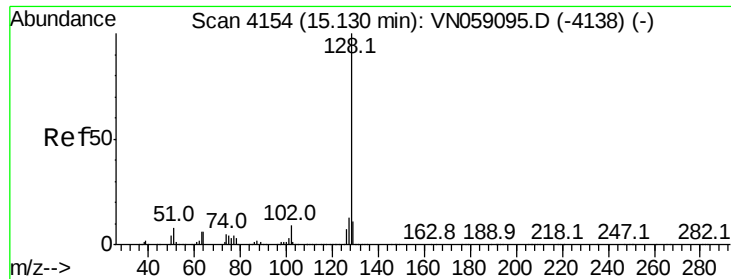
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.1	144.3
145	31.2	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 6.087 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059319.D
 Acq: 20 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.3	93.9
227	61.1	31.5	94.5

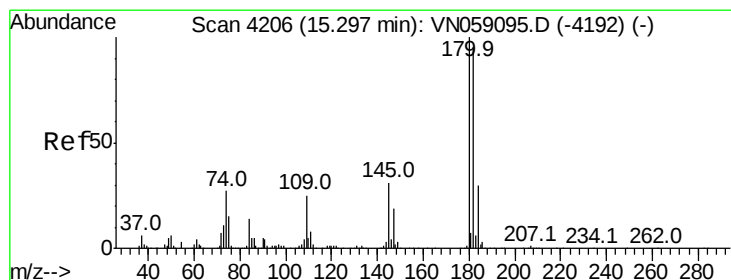
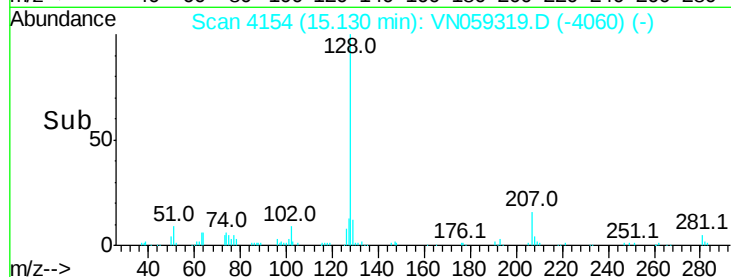
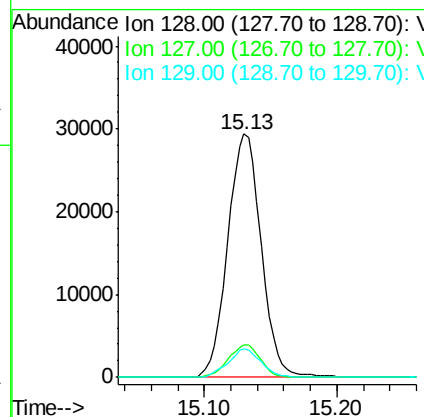
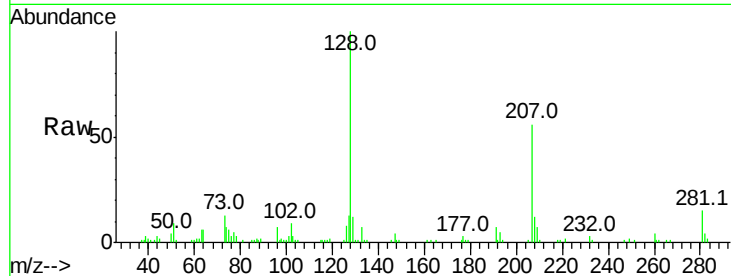




#95
Naphthalene
Concen: 4.922 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 51508
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 5.457 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059319.D
Acq: 20 Nov 2019 11:46

Tgt Ion:180 Resp: 21754
Ion Ratio Lower Upper
180 100
182 92.3 47.3 141.8
145 32.7 15.8 47.3

