

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059584.D
 Acq On : 13 Dec 2019 15:38
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Dec 13 17:25:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	150618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	246516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	215927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	88077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	3060	1.41	ug/l	0.00
Spiked Amount			Recovery	=	2.82%	
35) Dibromofluoromethane	7.57	113	1893	1.26	ug/l	0.00
Spiked Amount			Recovery	=	2.52%	
50) Toluene-d8	10.08	98	7484	1.22	ug/l	0.00
Spiked Amount			Recovery	=	2.44%	
62) 4-Bromofluorobenzene	12.40	95	2760	1.24	ug/l	0.00
Spiked Amount			Recovery	=	2.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	2001	1.117	ug/l	92
3) Chloromethane	2.04	50	3999	1.458	ug/l	99
4) Vinyl Chloride	2.17	62	3352	1.253	ug/l	91
5) Bromomethane	2.54	94	2704	1.654	ug/l	97
6) Chloroethane	2.69	64	2069	1.304	ug/l	93
7) Trichlorofluoromethane	2.99	101	3516	1.104	ug/l	96
8) Diethyl Ether	3.38	74	595	0.549	ug/l #	17
9) 1,1,2-Trichlorotrifluoroet	3.72	101	757	0.460	ug/l #	77
10) Methyl Iodide	3.92	142	2309	1.028	ug/l #	67
11) Tert butyl alcohol	4.74	59	1756	4.806	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	1541	0.959	ug/l	92
13) Acrolein	3.58	56	2950	14.161	ug/l #	57
14) Allyl chloride	4.29	41	3614	1.172	ug/l #	86
15) Acrylonitrile	4.97	53	4802	5.101	ug/l #	20
16) Acetone	3.80	43	9017	8.481	ug/l	96
17) Carbon Disulfide	4.03	76	8667	1.468	ug/l #	93
18) Methyl Acetate	4.30	43	3371	1.273	ug/l #	78
19) Methyl tert-butyl Ether	5.01	73	5390	1.010	ug/l	98
20) Methylene Chloride	4.52	84	2391	1.174	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	1931	1.123	ug/l #	59
22) Diisopropyl ether	5.92	45	5694	0.971	ug/l	95
23) Vinyl Acetate	5.87	43	22459	4.622	ug/l	96
24) 1,1-Dichloroethane	5.81	63	3673	1.102	ug/l #	85
25) 2-Butanone	6.81	43	7359	5.336	ug/l	97
26) 2,2-Dichloropropane	6.80	77	3045	1.010	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	1811	0.935	ug/l	67
28) Bromochloromethane	7.17	49	847	0.780	ug/l #	46
29) Tetrahydrofuran	7.19	42	4666	4.958	ug/l #	78
30) Chloroform	7.34	83	3366	1.024	ug/l	89
31) Cyclohexane	7.64	56	6366	1.964	ug/l #	41
32) 1,1,1-Trichloroethane	7.55	97	2880	0.987	ug/l #	53
36) 1,1-Dichloropropene	7.77	75	2659	1.035	ug/l	94
37) Ethyl Acetate	6.91	43	2839	1.061	ug/l #	69
38) Carbon Tetrachloride	7.75	117	2709	1.067	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	2499	0.868	ug/l	89
40) Benzene	8.02	78	7869	1.070	ug/l #	90
41) Methacrylonitrile	7.20	41	4423	3.528	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	3101	1.130	ug/l #	78
43) Isopropyl Acetate	8.15	43	4362	0.980	ug/l #	86
44) Trichloroethene	8.81	130	2146	1.152	ug/l	98
45) 1,2-Dichloropropane	9.10	63	2133	1.096	ug/l	97
46) Dibromomethane	9.19	93	1309	1.015	ug/l	95
47) Bromodichloromethane	9.39	83	2555	0.998	ug/l #	97
48) Methyl methacrylate	9.19	41	2172	1.112	ug/l #	84
49) 1,4-Dioxane	9.18	88	547	20.933	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	11874	4.589	ug/l	100
52) Toluene	10.14	92	4317	0.984	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	3095	1.037	ug/l #	84
54) cis-1,3-Dichloropropene	9.83	75	2999	0.980	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	1693	0.954	ug/l	92
56) Ethyl methacrylate	10.42	69	1784	0.680	ug/l #	69
57) 1,3-Dichloropropane	10.70	76	3501	1.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	8561	10.306	ug/l	96
59) 2-Hexanone	10.75	43	9381	4.784	ug/l	98
60) Dibromochloromethane	10.90	129	1712	0.890	ug/l	90
61) 1,2-Dibromoethane	11.00	107	1880	1.019	ug/l	87
64) Tetrachloroethene	10.62	164	2113	1.261	ug/l	93
65) Chlorobenzene	11.43	112	5230	1.134	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.50	131	1488	0.864	ug/l #	41
67) Ethyl Benzene	11.51	91	8411	1.015	ug/l	94
68) m/p-Xylenes	11.62	106	5822	1.897	ug/l	97
69) o-Xylene	11.94	106	2879	1.005	ug/l	100
70) Styrene	11.96	104	4416	0.931	ug/l	98
71) Bromoform	12.13	173	1359	1.018	ug/l #	81
73) Isopropylbenzene	12.25	105	7291	1.059	ug/l	92
74) N-amyl acetate	12.07	43	3312	1.098	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	2434	1.059	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	3902	1.684	ug/l #	100
77) Bromobenzene	12.53	156	1933	1.145	ug/l	94
78) n-propylbenzene	12.59	91	8441	1.009	ug/l	98
79) 2-Chlorotoluene	12.67	91	5493	1.100	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	6087	1.045	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	877	0.999	ug/l #	89
82) 4-Chlorotoluene	12.77	91	5846	1.149	ug/l	96
83) tert-Butylbenzene	12.99	119	5379	1.109	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	5858	1.019	ug/l	99
85) sec-Butylbenzene	13.17	105	7203	1.084	ug/l	98
86) p-Isopropyltoluene	13.29	119	6610	1.115	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3728	1.205	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	4387	1.451	ug/l	86
89) n-Butylbenzene	13.62	91	6808	1.218	ug/l	95
90) Hexachloroethane	13.87	117	1465	1.337	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	3885	1.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1108	1.902	ug/l	55

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ClientSampleId :
VSTDICC001

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 17:23:03 2019
Response via : Initial Calibration

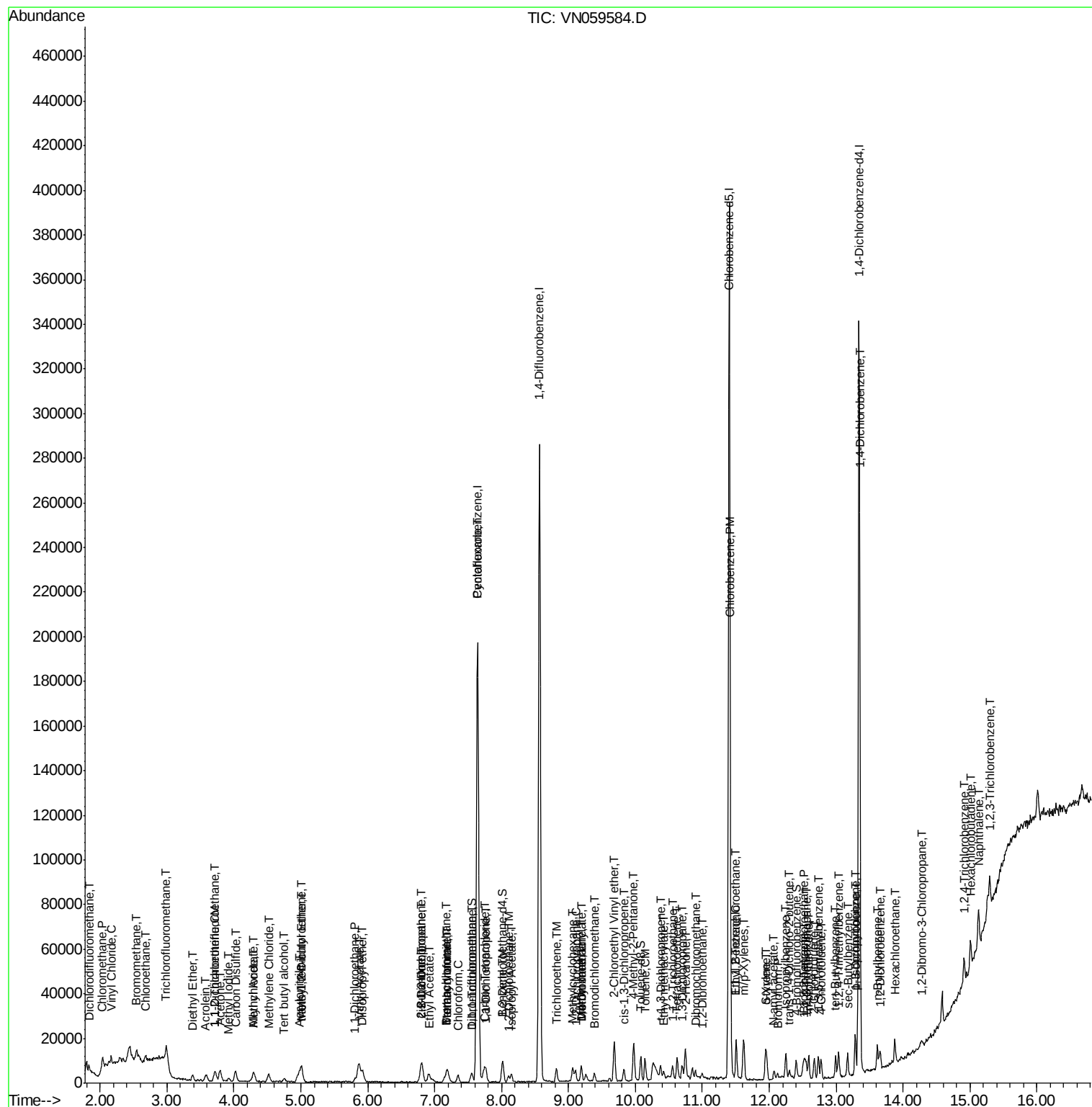
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3310	1.669	ug/l	96
94) Hexachlorobutadiene	15.01	225	2131	2.129	ug/l	89
95) Naphthalene	15.13	128	12720	2.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	4247	2.084	ug/l	90

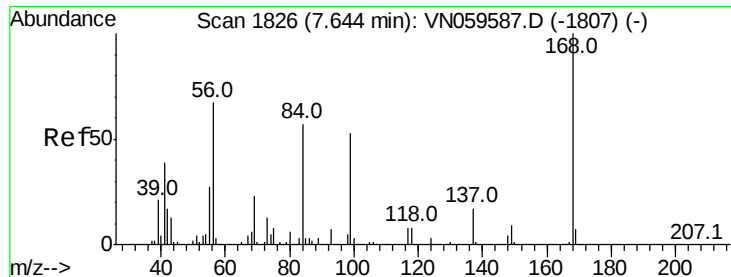
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

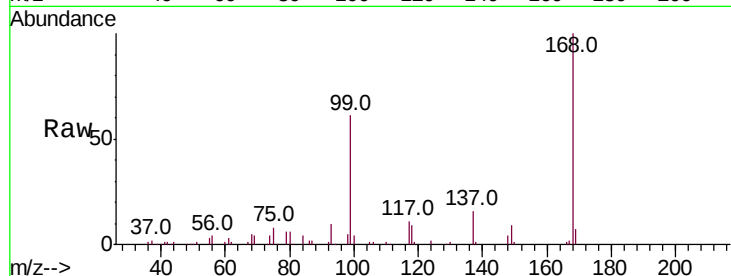
VSTDIC001

Tot Ion:168 Resp: 150618

Ion Ratio Lower Upper

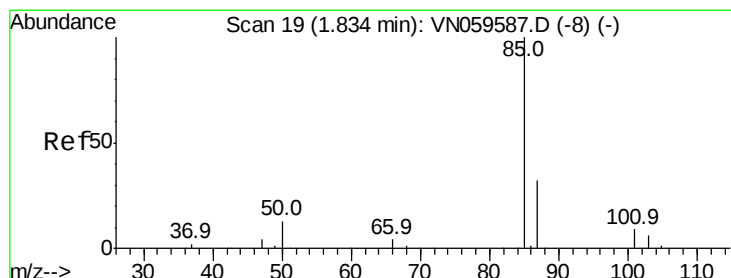
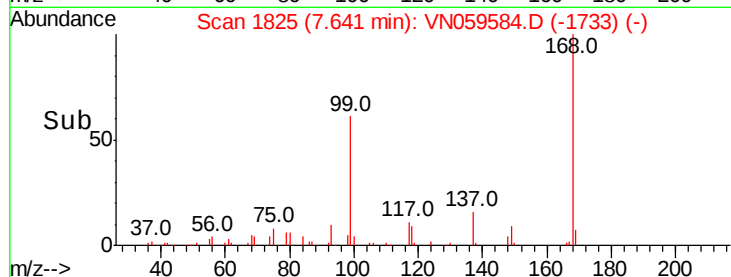
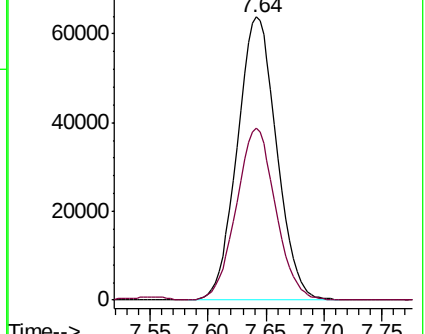
168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.117 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059584.D

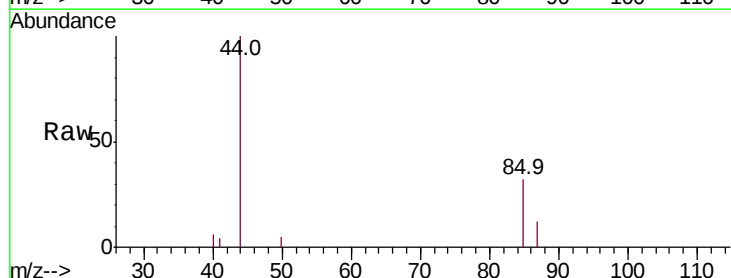
Acq: 13 Dec 2019 15:38

Tgt Ion: 85 Resp: 2001

Ion Ratio Lower Upper

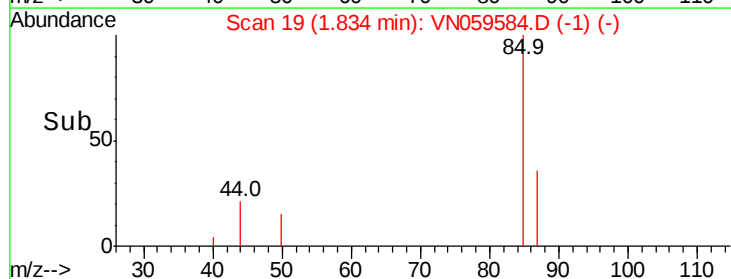
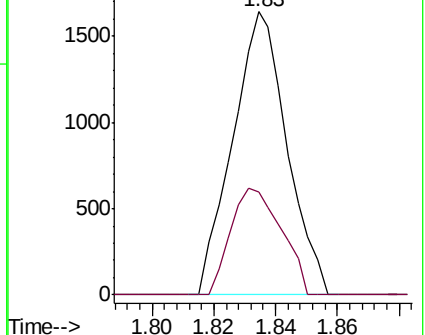
85 100

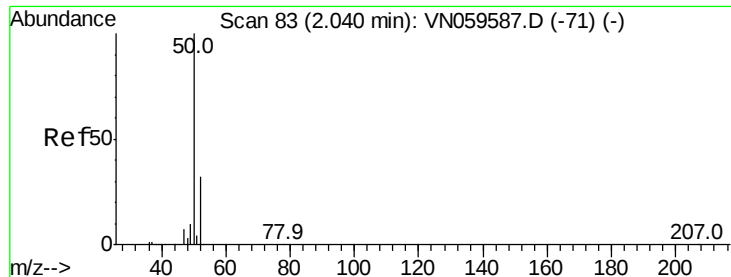
87 36.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.458 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

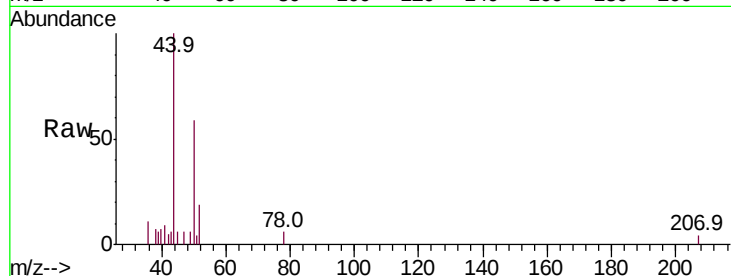
VSTDIC001

Tot Ion: 50 Resp: 3999

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2500

2000

1500

1000

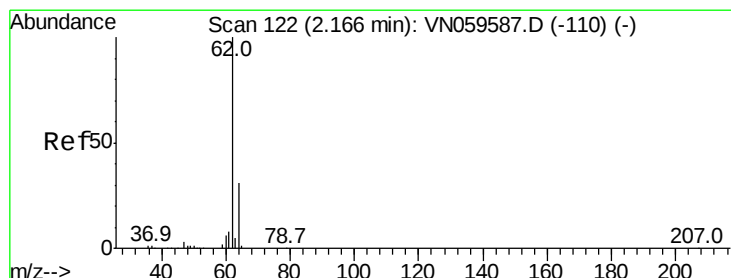
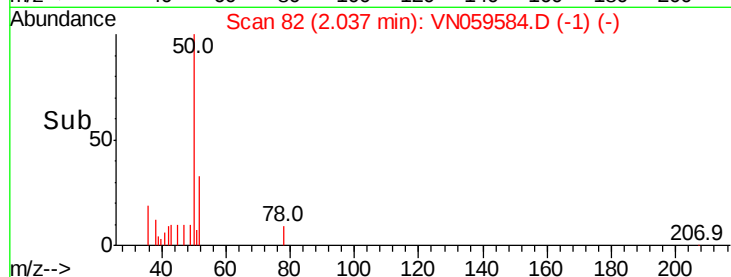
500

0

Time-->

2.00

2.05



#4

Vinyl Chloride

Concen: 1.253 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059584.D

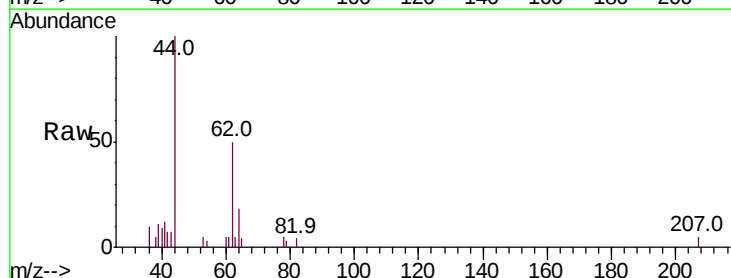
Acq: 13 Dec 2019 15:38

Tgt Ion: 62 Resp: 3352

Ion Ratio Lower Upper

62 100

64 36.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

2500

2000

1500

1000

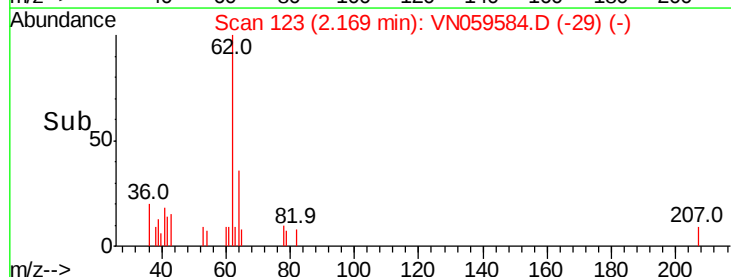
500

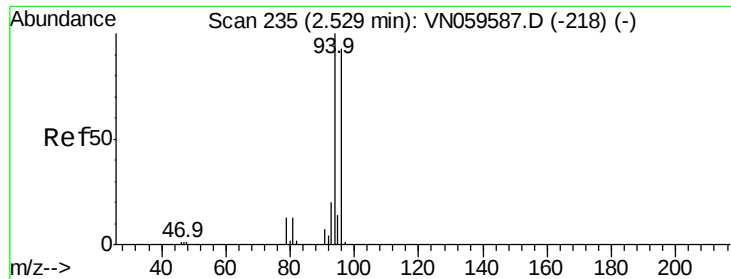
0

Time-->

2.15

2.20





#5

Bromomethane

Concen: 1.654 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

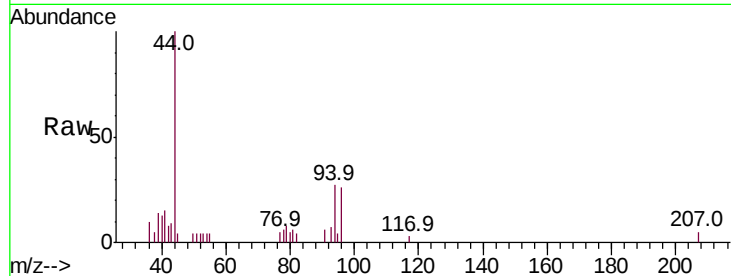
VSTDIC001

Tot Ion: 94 Resp: 2704

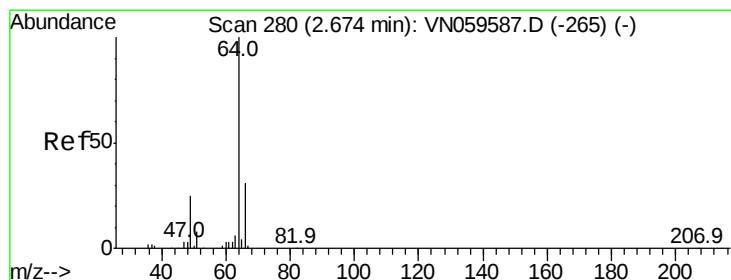
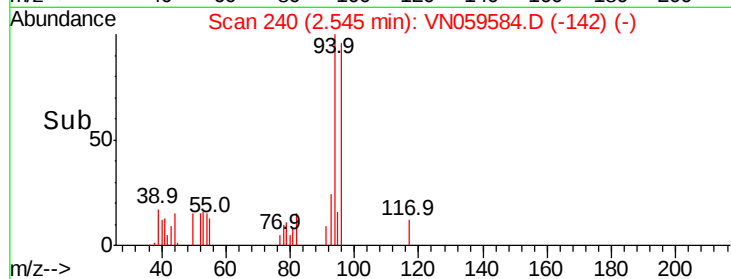
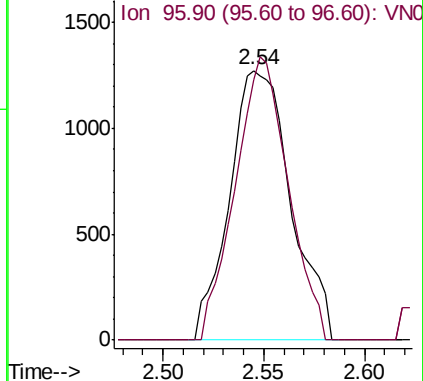
Ion Ratio Lower Upper

94 100

96 96.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059587.D (-218) (-)



#6

Chloroethane

Concen: 1.304 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059584.D

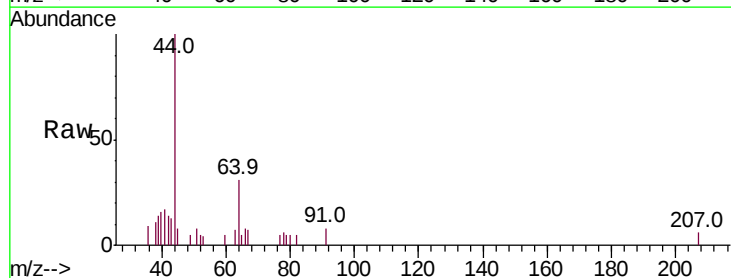
Acq: 13 Dec 2019 15:38

Tgt Ion: 64 Resp: 2069

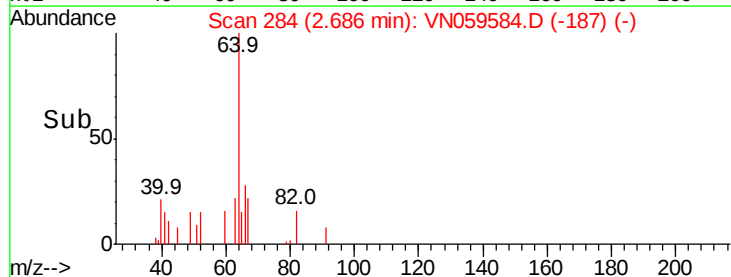
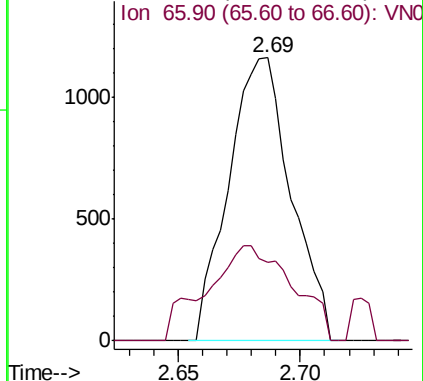
Ion Ratio Lower Upper

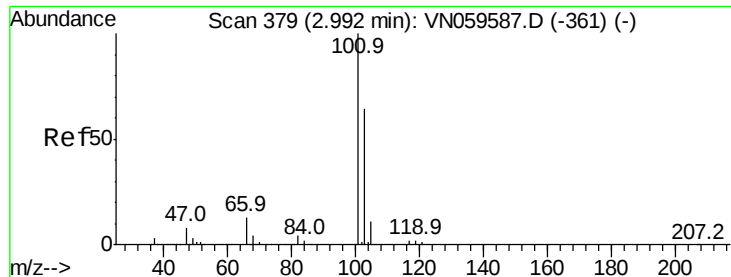
64 100

66 27.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059587.D (-265) (-)





#7

Trichlorofluoromethane

Concen: 1.104 ug/l

RT: 2.99 min Scan# 379

Delta R.T. -0.00 min

Lab File: VN059584.D

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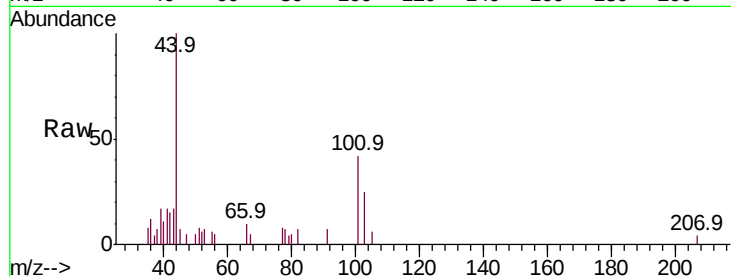
VSTDIC001

Tot Ion:101 Resp: 3516

Ion Ratio Lower Upper

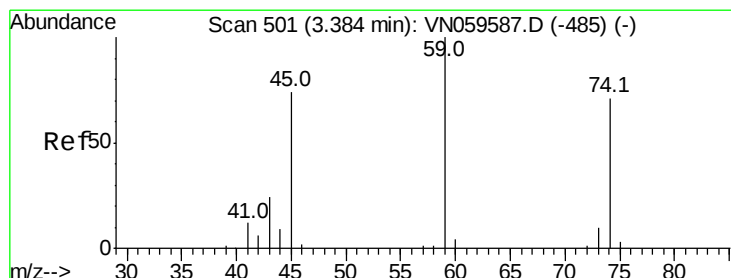
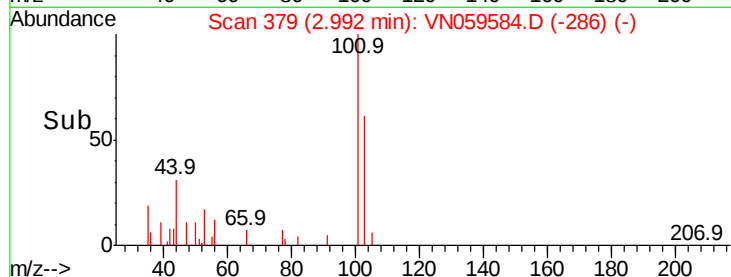
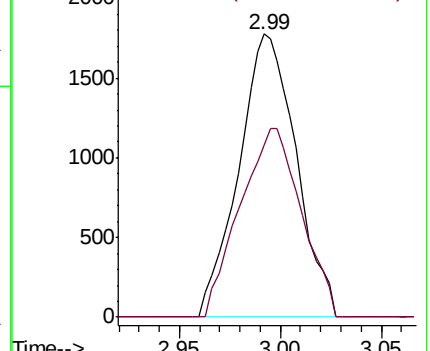
101 100

103 60.8 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.549 ug/l

RT: 3.38 min Scan# 500

Delta R.T. -0.00 min

Lab File: VN059584.D

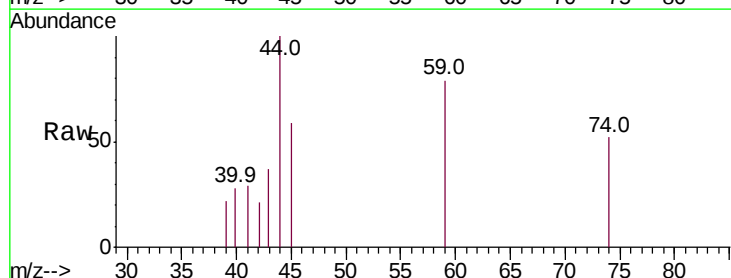
Acq: 13 Dec 2019 15:38

Tgt Ion: 74 Resp: 595

Ion Ratio Lower Upper

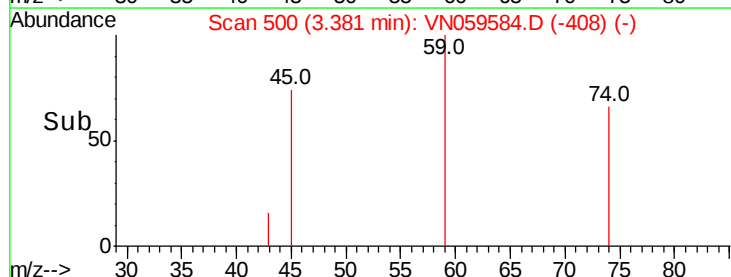
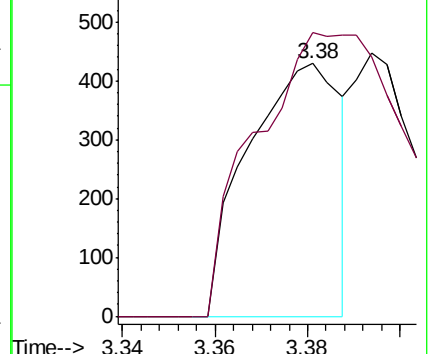
74 100

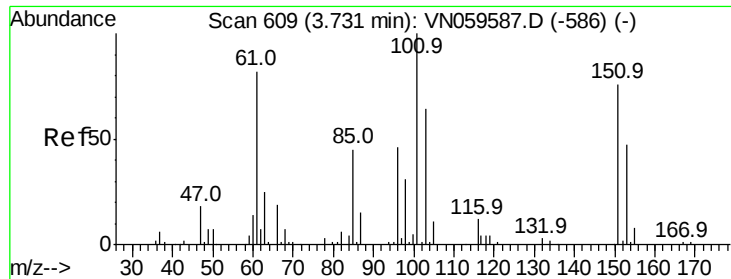
45 189.1 51.9 155.8#



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: 0.460 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.02 min

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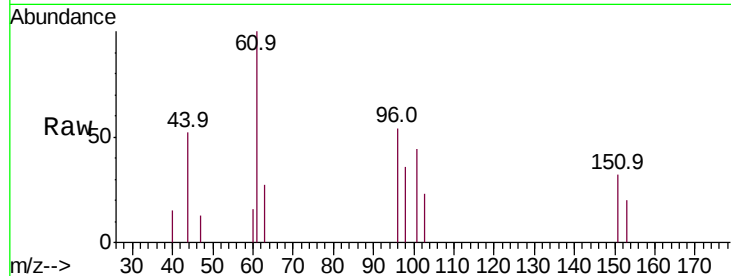
Tot Ion:101 Resp: 757

Ion Ratio Lower Upper

101 100

85 39.0 36.6 54.8

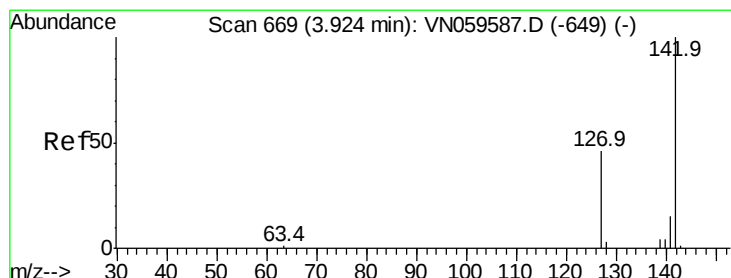
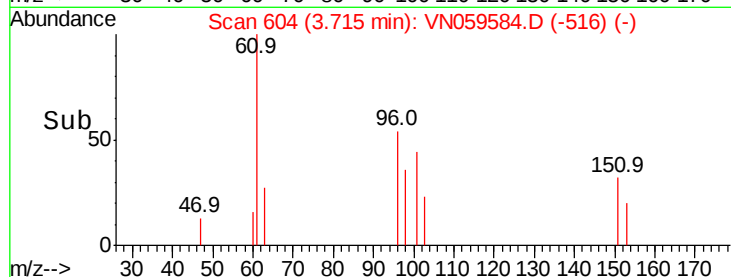
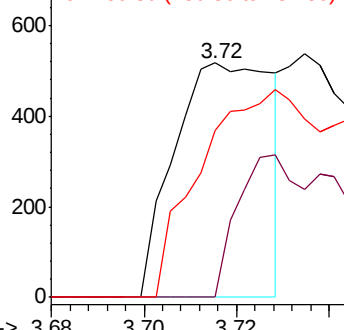
151 100.9 59.7 89.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.028 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

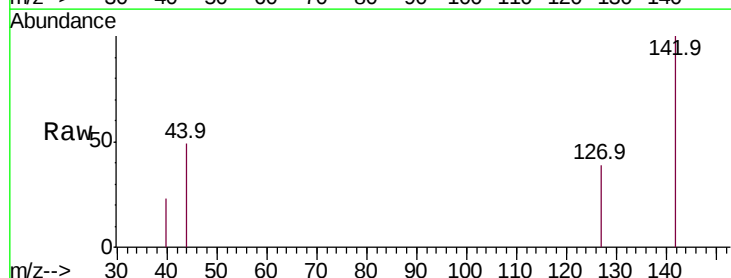
Tgt Ion:142 Resp: 2309

Ion Ratio Lower Upper

142 100

127 24.5 36.7 55.1#

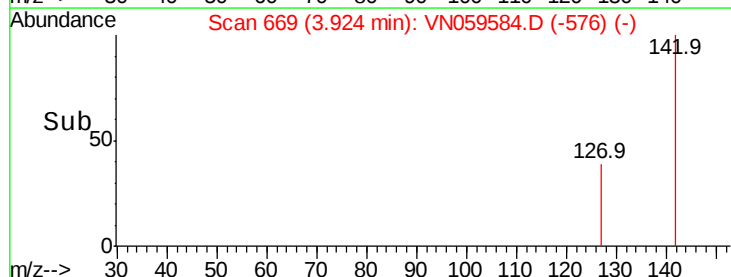
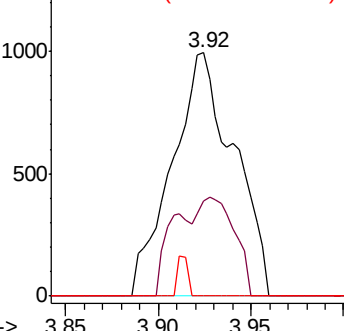
141 0.0 11.7 17.5#

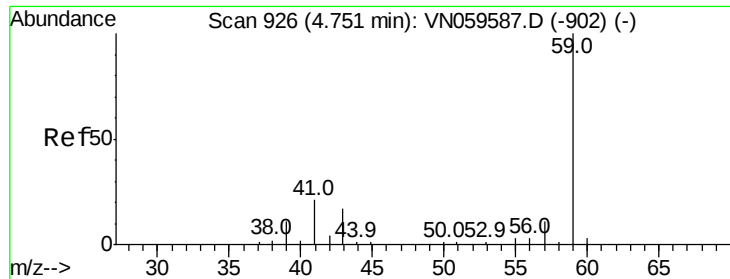


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

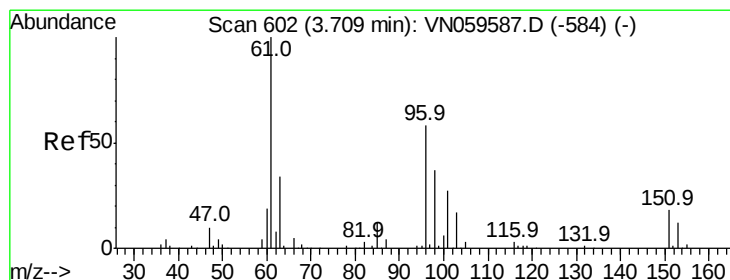
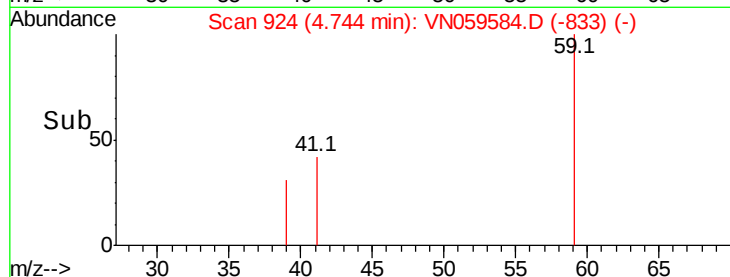
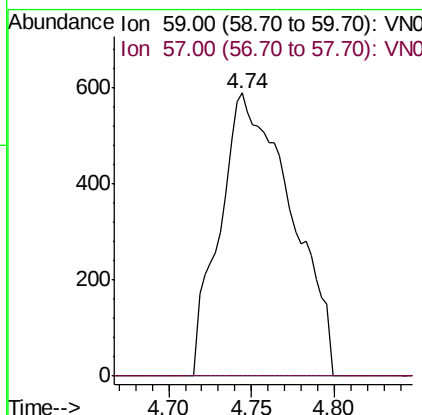
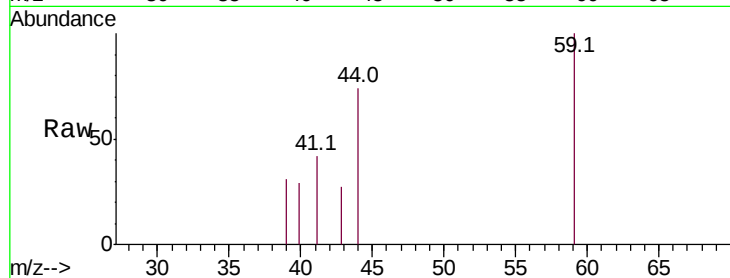




#11
Tert butyl alcohol
Concen: 4.806 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

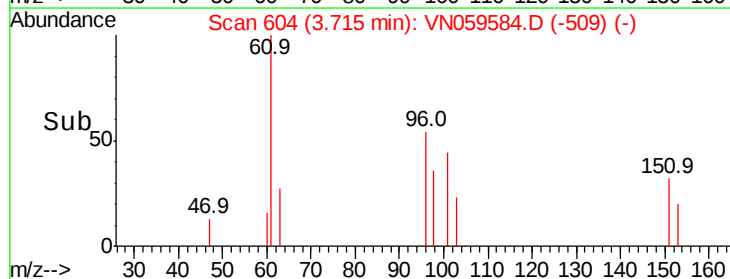
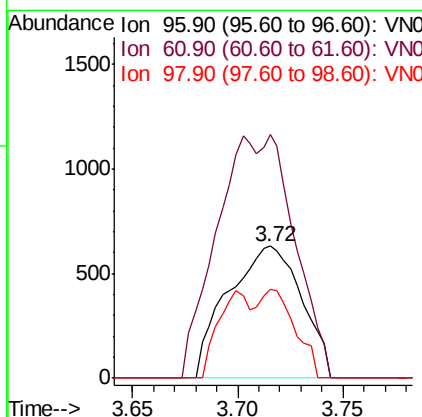
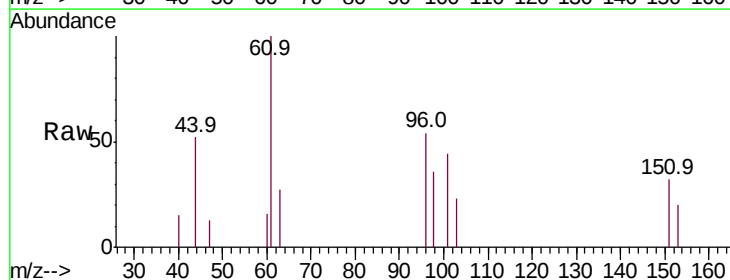
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

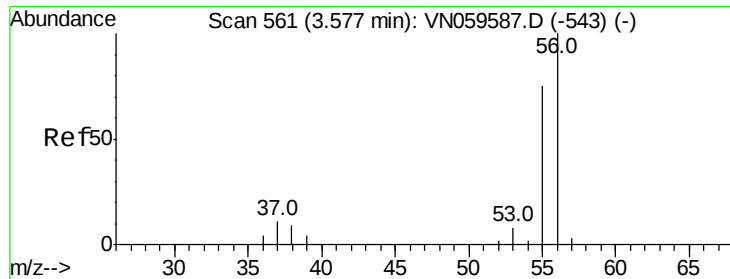
Tot Ion: 59 Resp: 1756
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.959 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 96 Resp: 1541
Ion Ratio Lower Upper
96 100
61 184.8 137.5 206.3
98 67.1 50.2 75.4





#13

Acrolein

Concen: 14.161 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

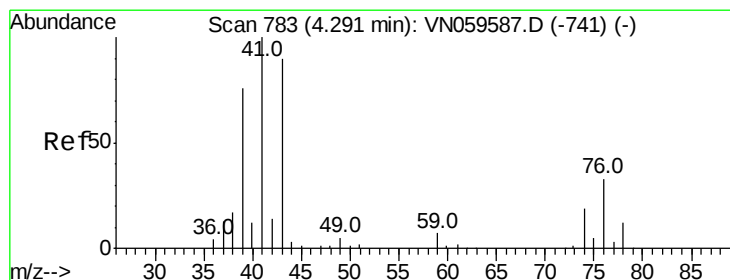
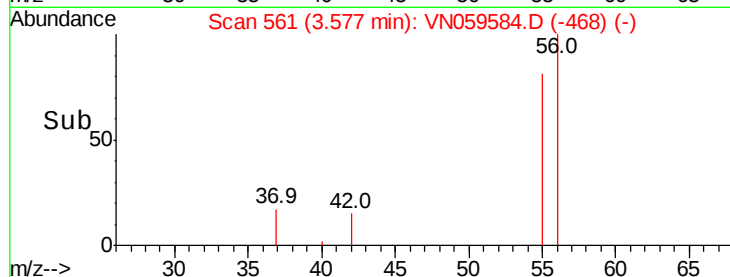
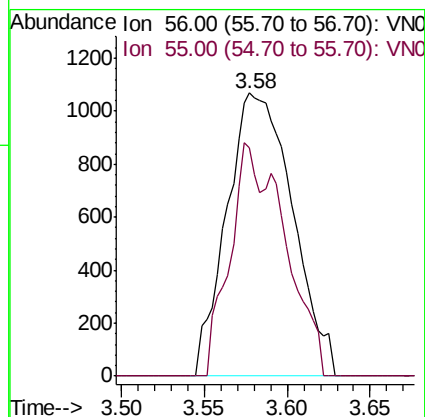
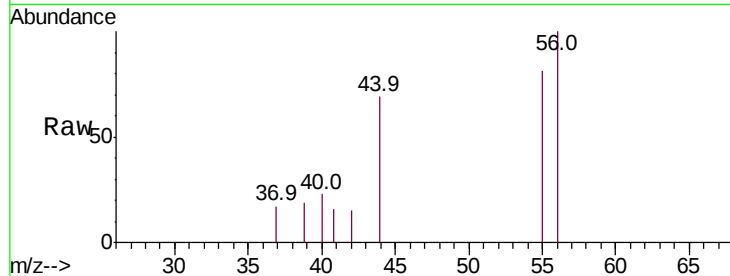
VSTDIC001

Tot Ion: 56 Resp: 2950

Ion Ratio Lower Upper

56 100

55 37.0 58.6 88.0#



#14

Allyl chloride

Concen: 1.172 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

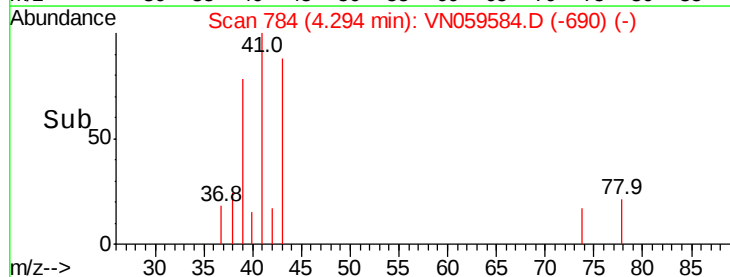
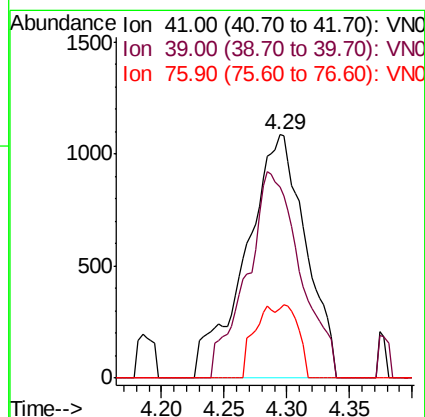
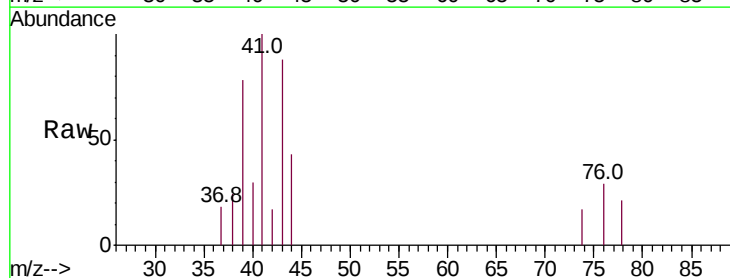
Tgt Ion: 41 Resp: 3614

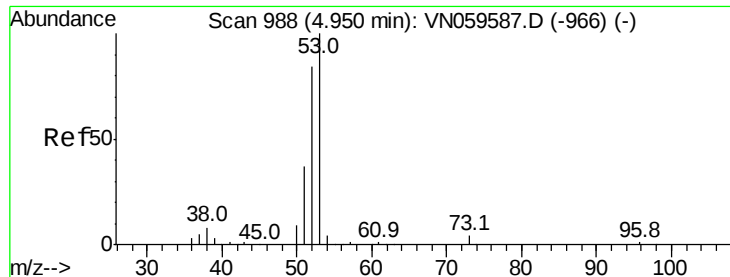
Ion Ratio Lower Upper

41 100

39 75.9 57.8 86.8

76 10.9 25.4 38.0#





#15

Acrylonitrile

Concen: 5.101 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.02 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

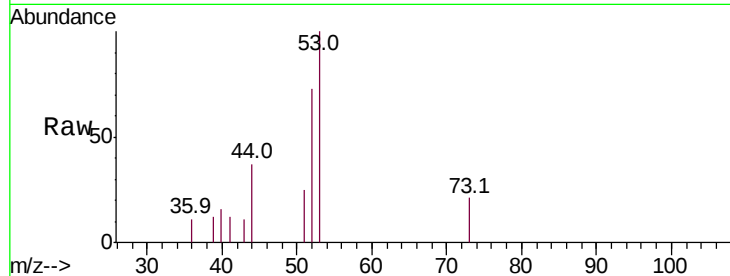
Tot Ion: 53 Resp: 4802

Ion Ratio Lower Upper

53 100

52 0.0 66.3 99.5#

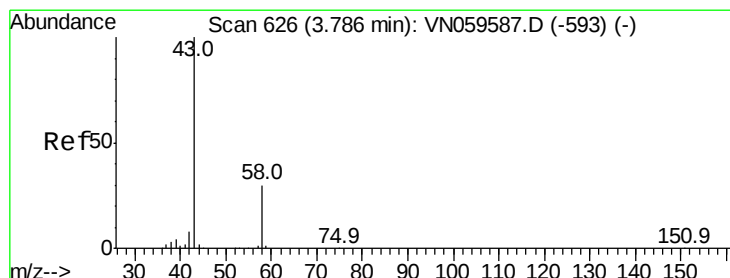
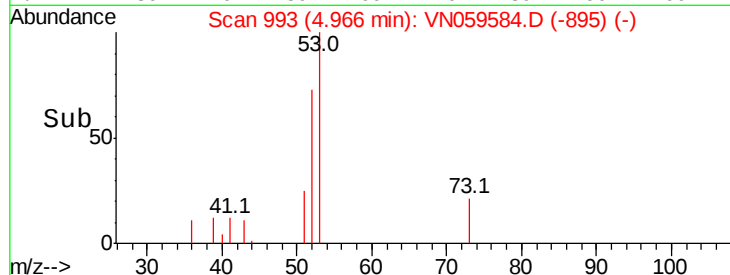
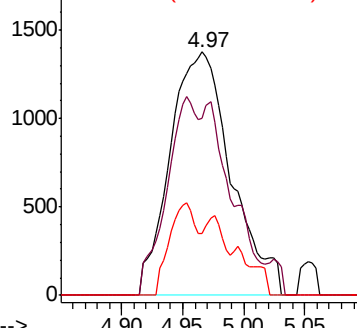
51 4.7 29.7 44.5#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 8.481 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059584.D

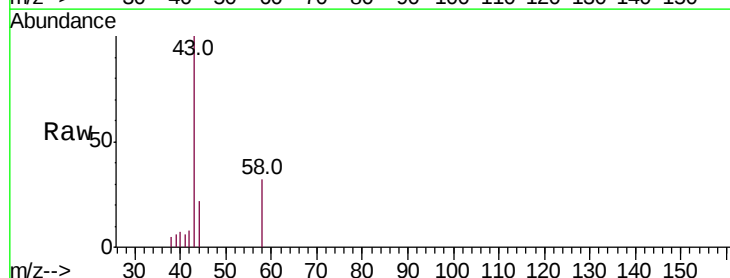
Acq: 13 Dec 2019 15:38

Tgt Ion: 43 Resp: 9017

Ion Ratio Lower Upper

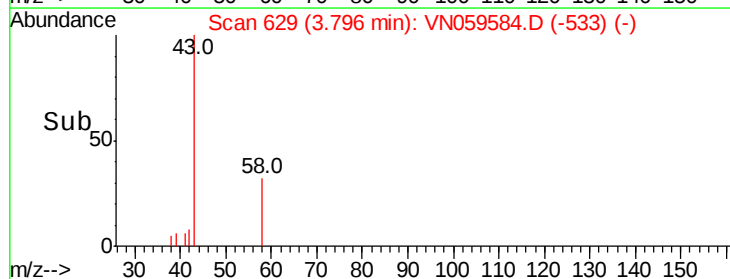
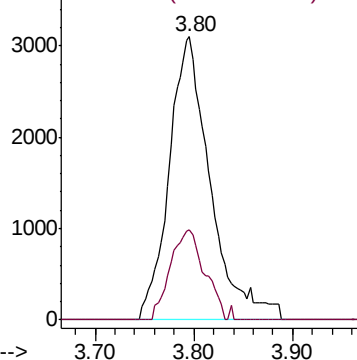
43 100

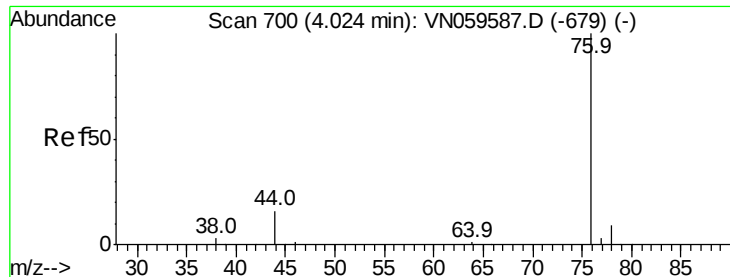
58 31.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

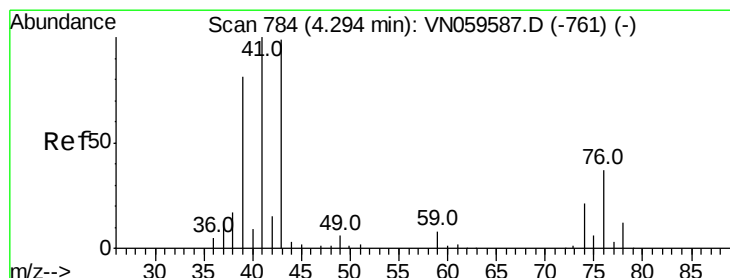
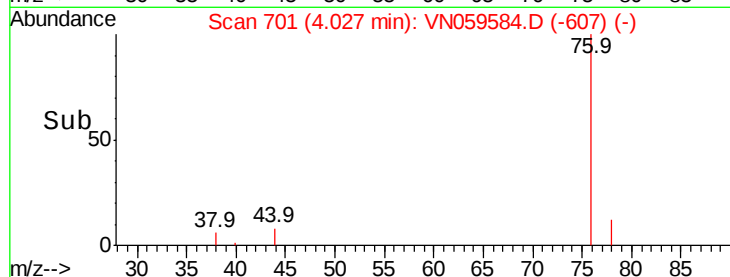
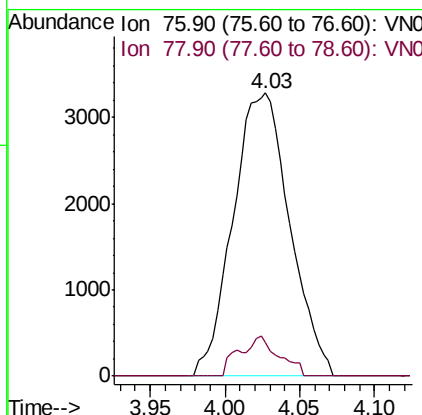
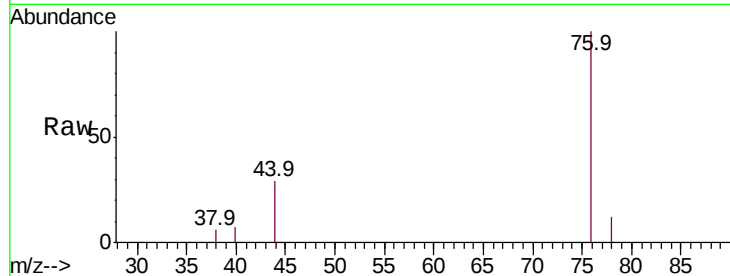




#17
Carbon Disulfide
Concen: 1.468 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

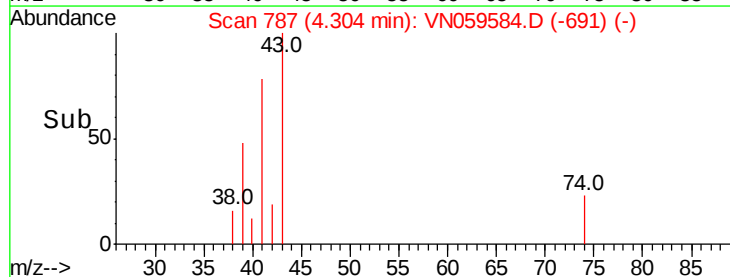
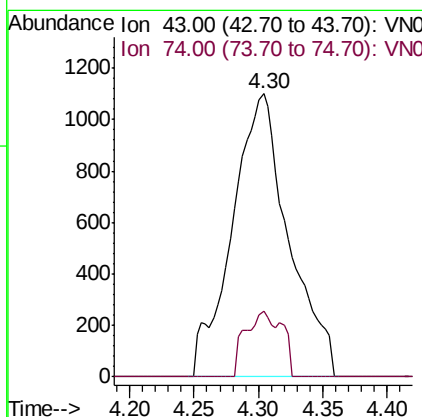
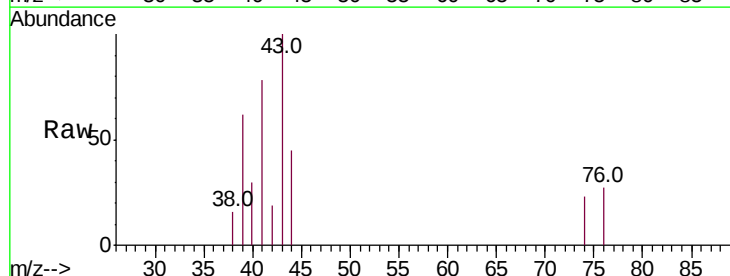
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

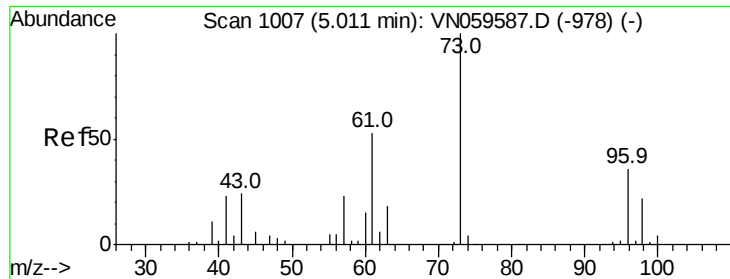
Tot Ion: 76 Resp: 8667
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#



#18
Methyl Acetate
Concen: 1.273 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
74 11.5 17.5 26.3#

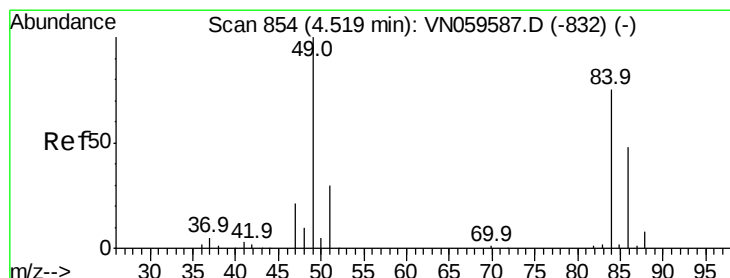
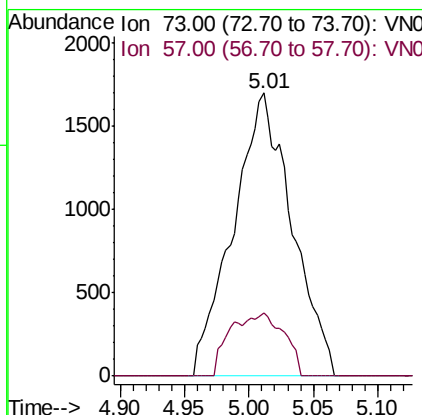
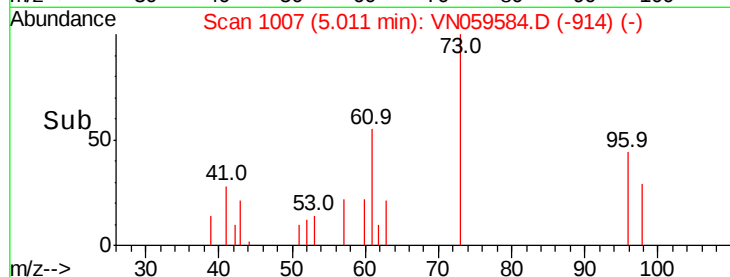
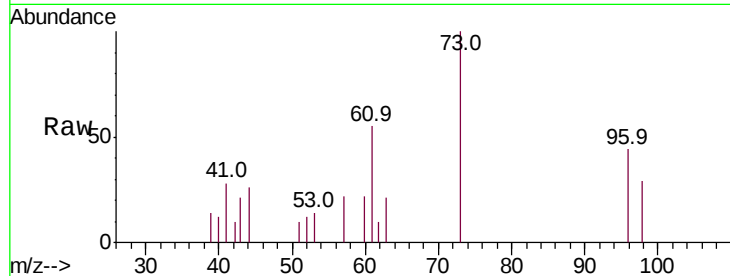




#19
Methyl tert-butyl Ether
Concen: 1.010 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

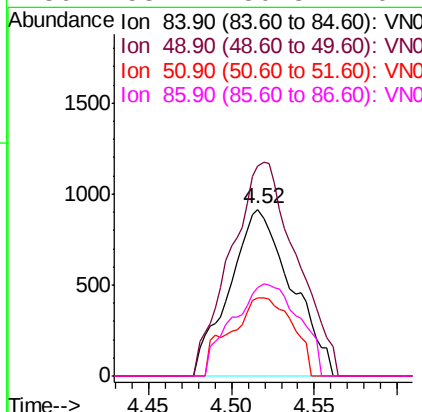
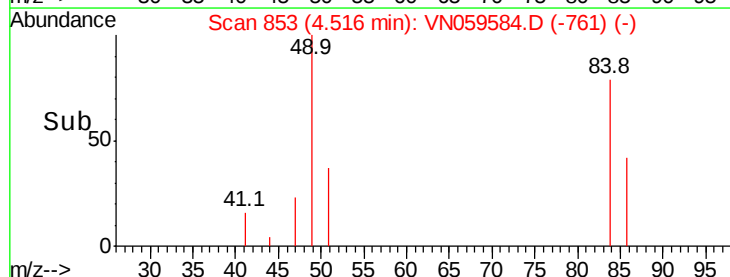
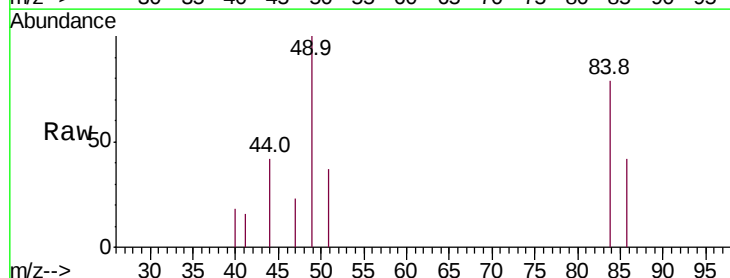
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

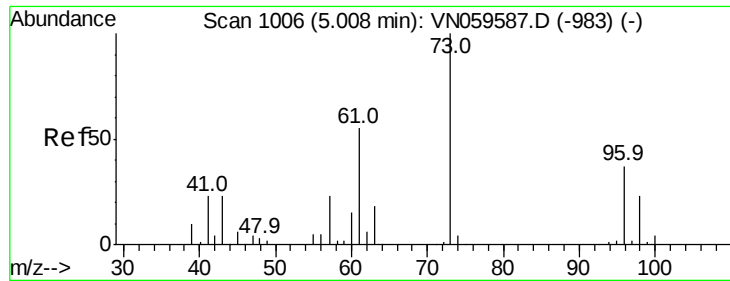
Tot Ion: 73 Resp: 5390
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8



#20
Methylene Chloride
Concen: 1.174 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 84 Resp: 2391
Ion Ratio Lower Upper
84 100
49 126.2 106.6 160.0
51 46.9 31.9 47.9
86 53.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 1.123 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

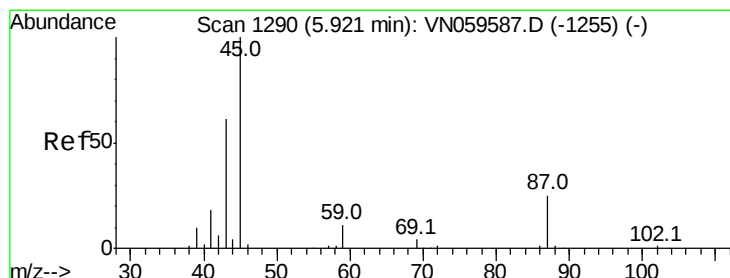
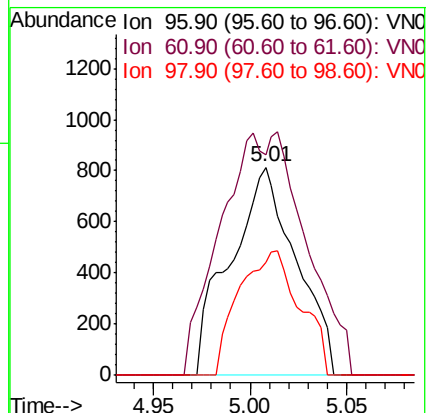
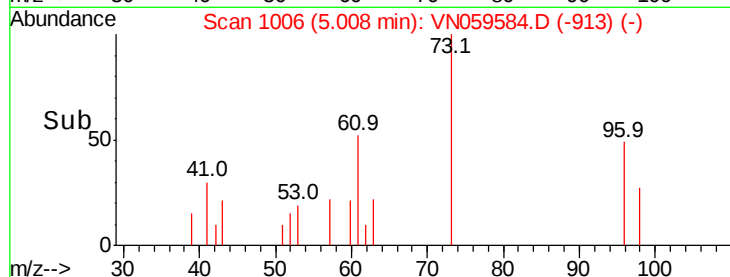
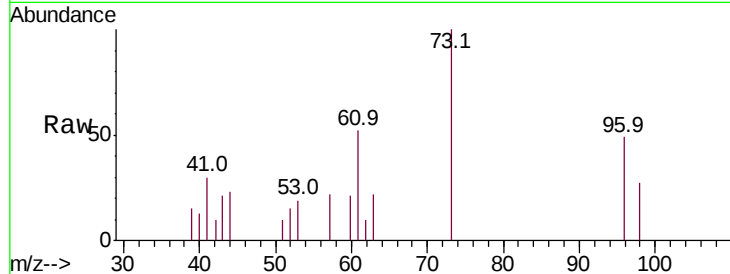
Tot Ion: 96 Resp: 1931

Ion Ratio Lower Upper

96 100

61 81.8 120.4 180.6#

98 54.2 50.6 75.8



#22

Diisopropyl ether

Concen: 0.971 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion: 45 Resp: 5694

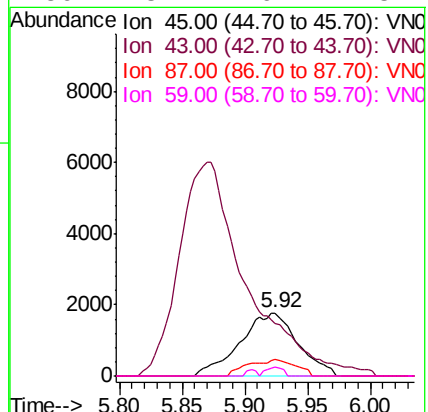
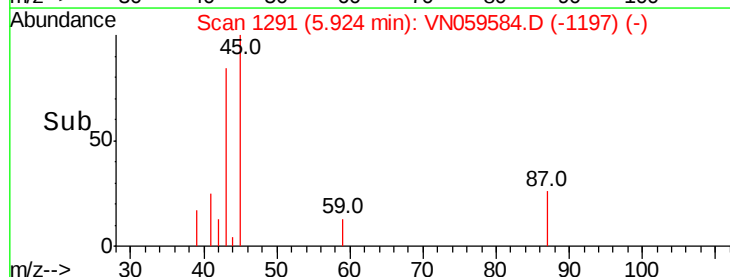
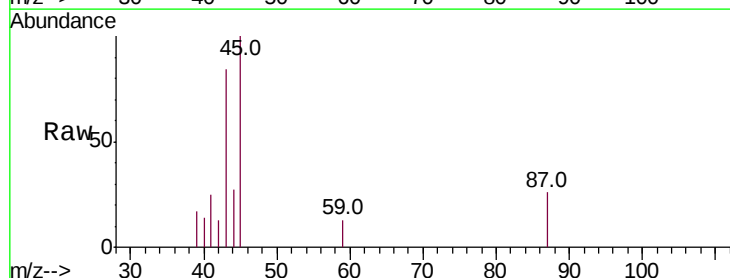
Ion Ratio Lower Upper

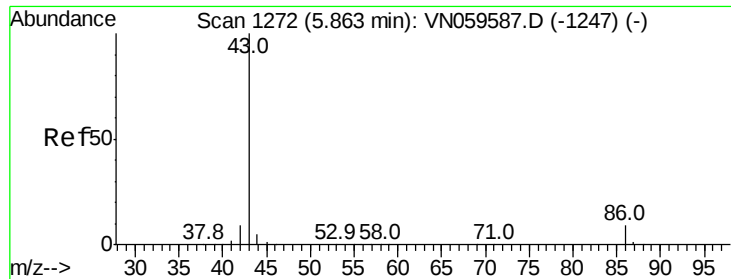
45 100

43 69.0 50.8 76.2

87 26.3 21.0 31.6

59 13.4 9.1 13.7





#23

Vinyl Acetate

Concen: 4.622 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

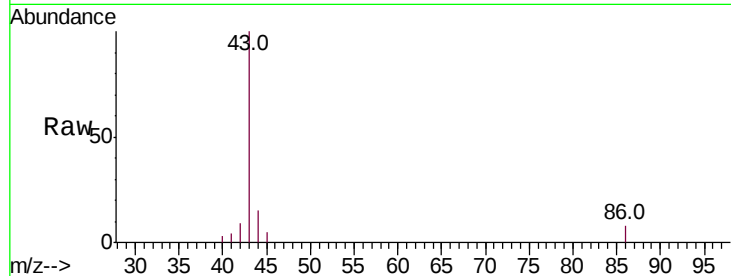
VSTDIC001

Tot Ion: 43 Resp: 22459

Ion Ratio Lower Upper

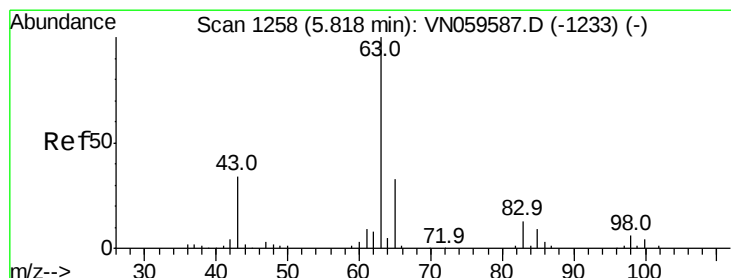
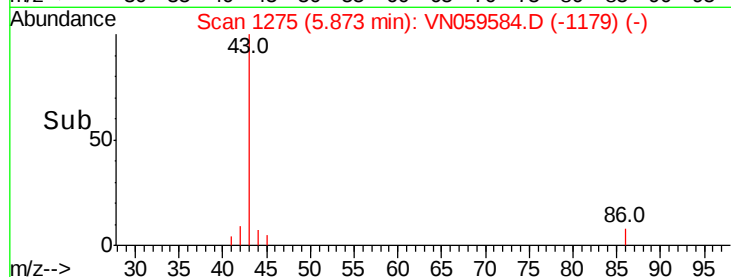
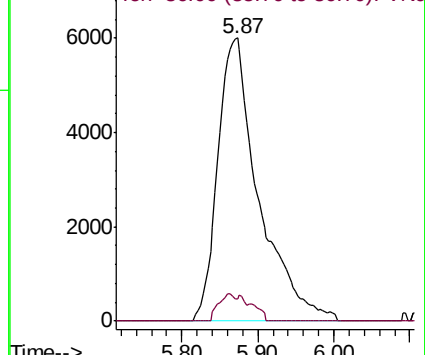
43 100

86 8.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059587.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 1.102 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

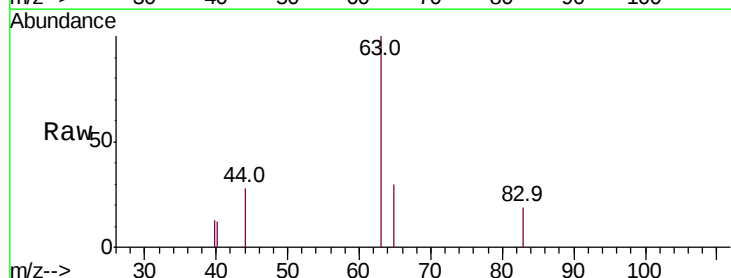
Tgt Ion: 63 Resp: 3673

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

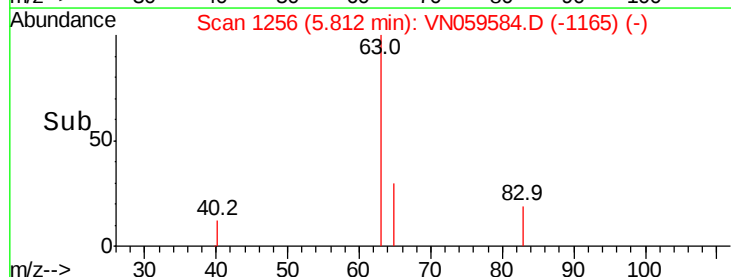
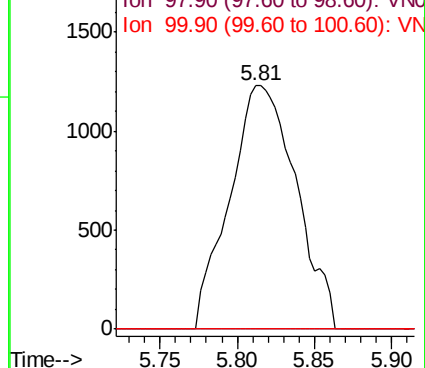
100 0.0 2.0 6.0#

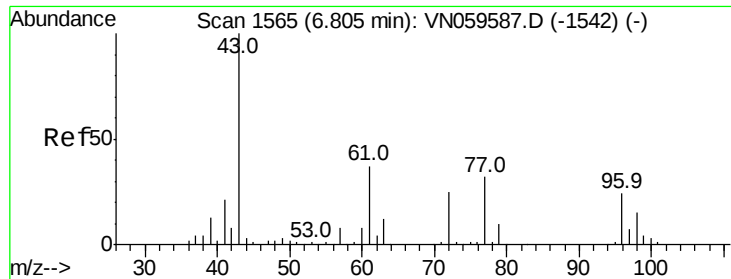


Abundance Ion 62.90 (62.60 to 63.60): VN059587.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059587.D (-1233) (-)





#25

2-Butanone

Concen: 5.336 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

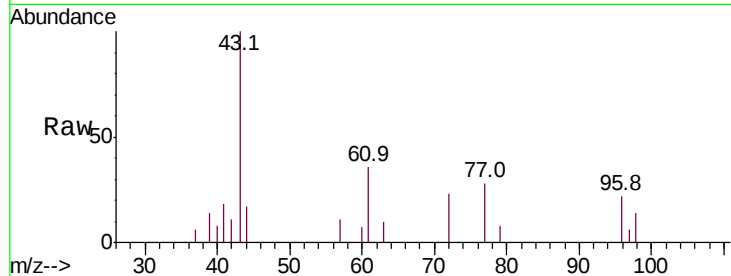
VSTDIC001

Tot Ion: 43 Resp: 7359

Ion Ratio Lower Upper

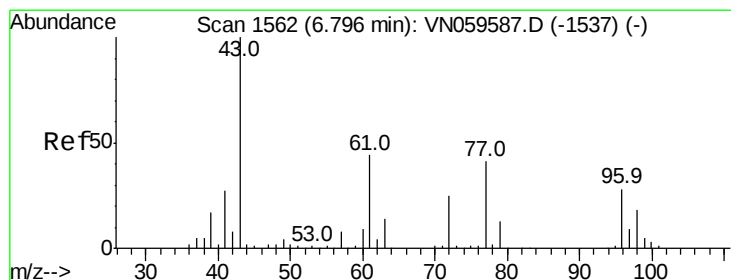
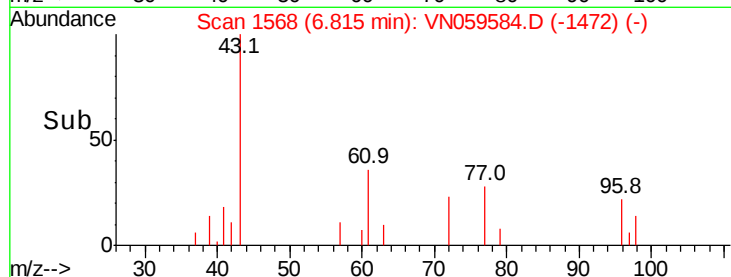
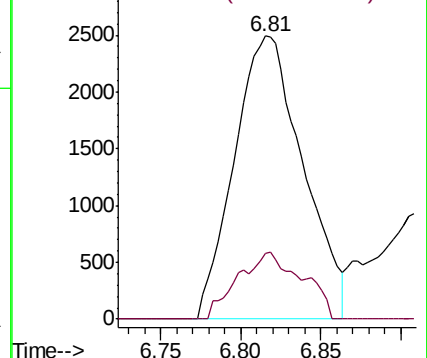
43 100

72 23.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 1.010 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059584.D

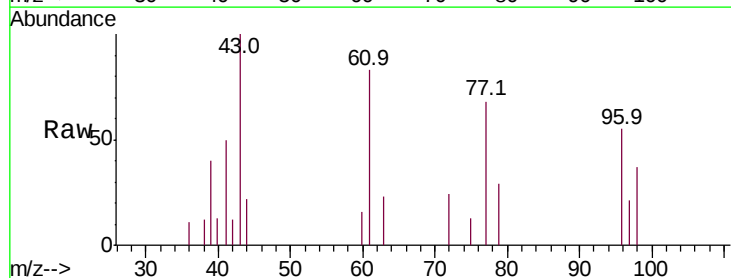
Acq: 13 Dec 2019 15:38

Tgt Ion: 77 Resp: 3045

Ion Ratio Lower Upper

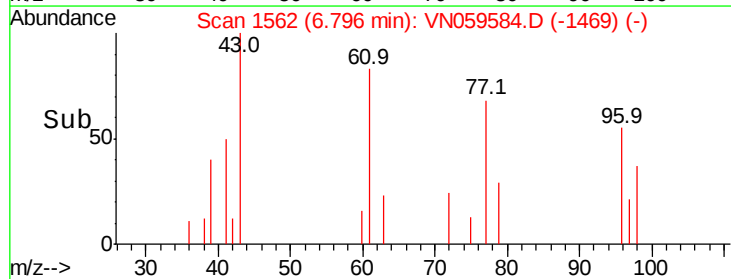
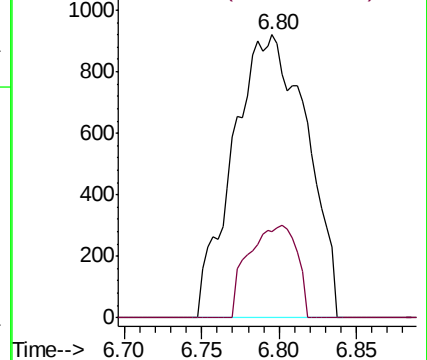
77 100

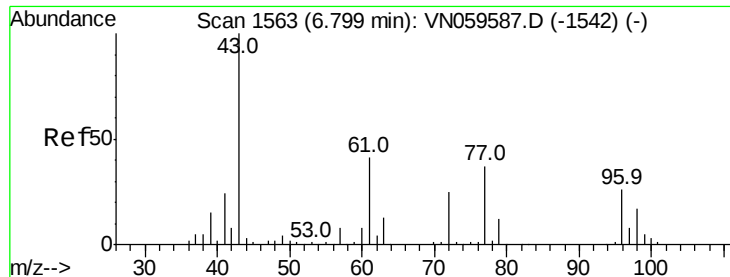
97 21.2 10.7 31.9



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: 0.935 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

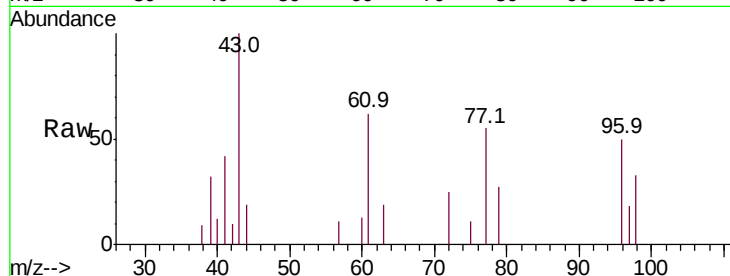
Tot Ion: 96 Resp: 1811

Ion Ratio Lower Upper

96 100

61 101.5 0.0 317.6

98 68.4 0.0 127.0

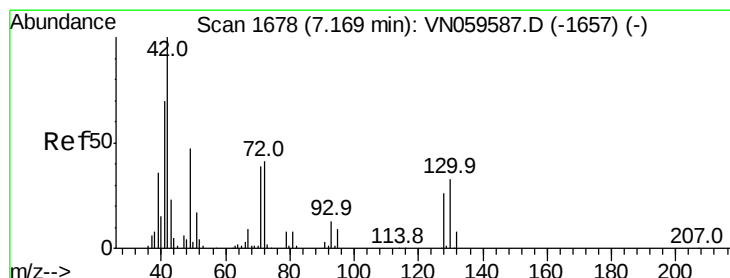
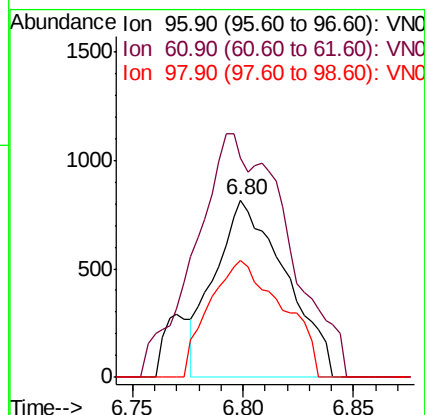
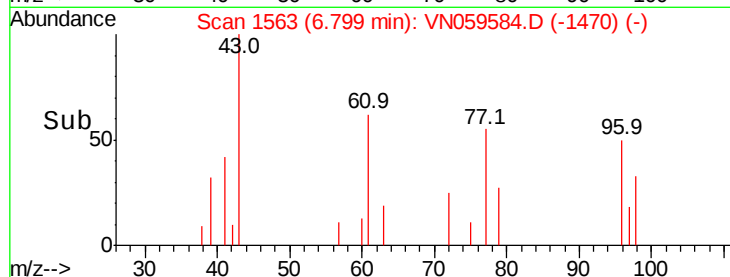


Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)

Time-->



#28

Bromochloromethane

Concen: 0.780 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

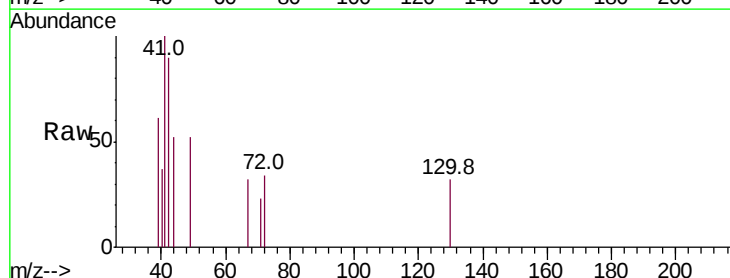
Tgt Ion: 49 Resp: 847

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 24.0 54.7 82.1#

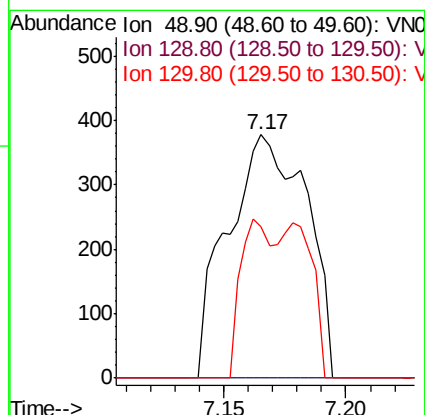
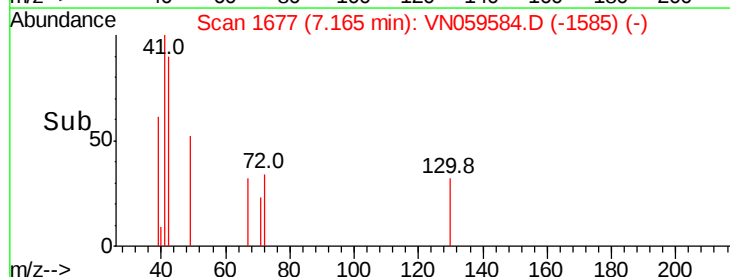


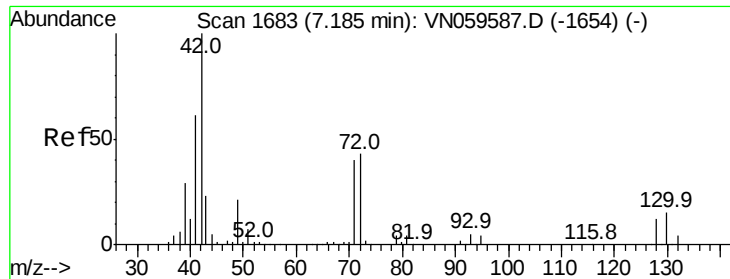
Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)

Time-->

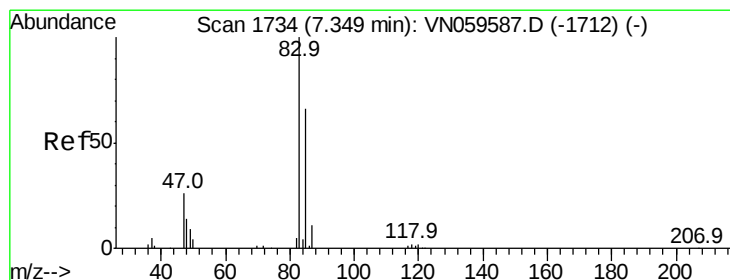
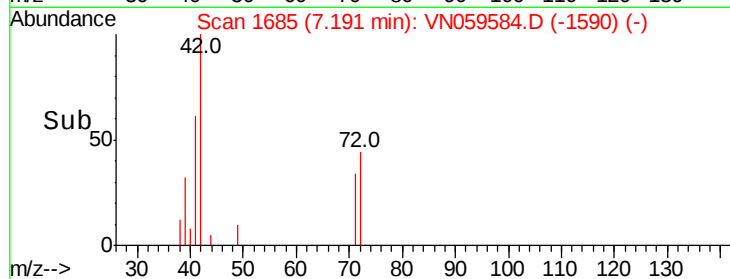
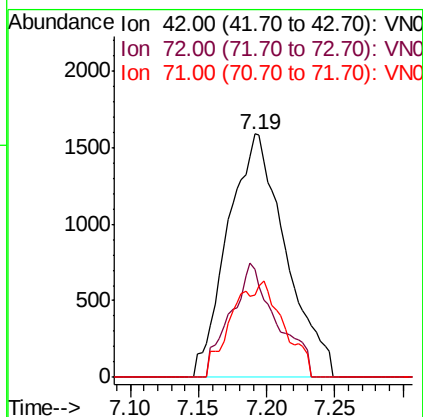
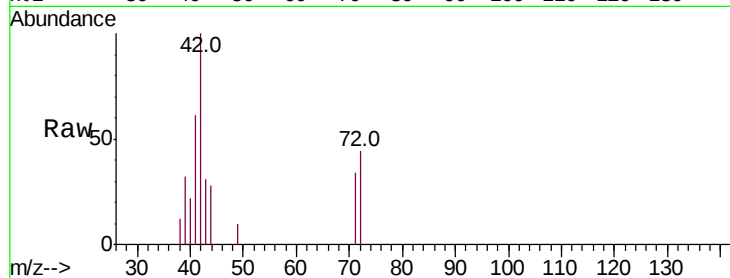




#29
Tetrahydrofuran
Concen: 4.958 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

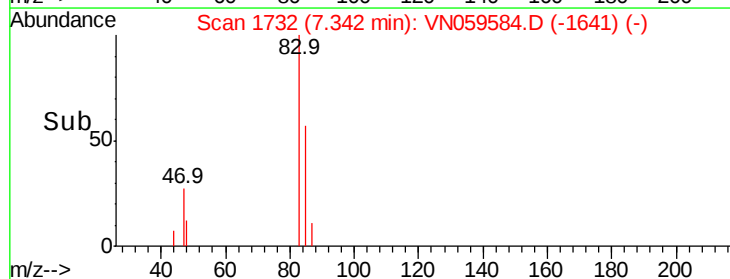
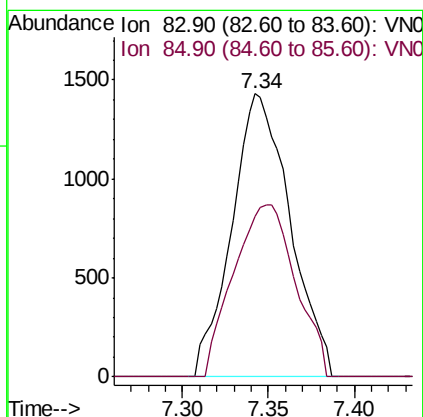
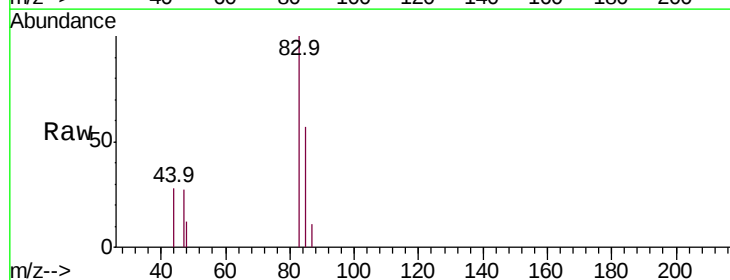
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

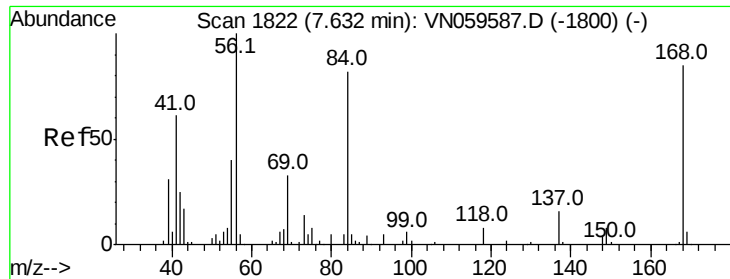
Tot Ion: 42 Resp: 4666
Ion Ratio Lower Upper
42 100
72 37.4 33.1 49.7
71 15.2 31.4 47.0#



#30
Chloroform
Concen: 1.024 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 83 Resp: 3366
Ion Ratio Lower Upper
83 100
85 56.6 52.4 78.6

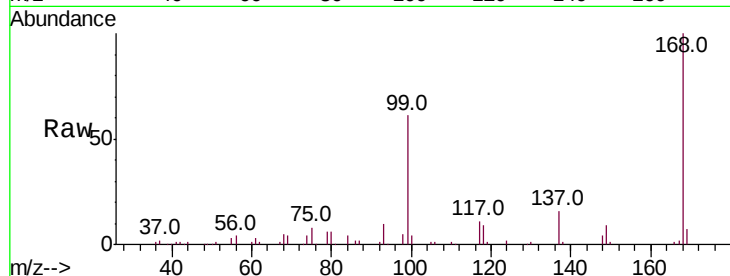




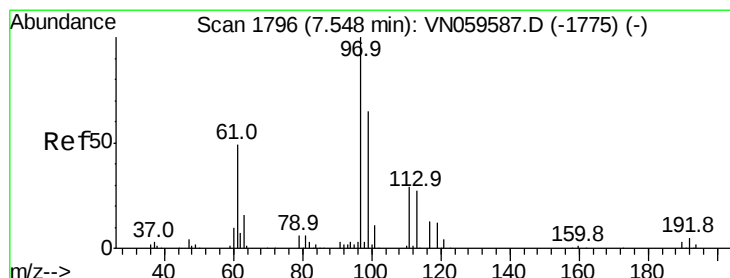
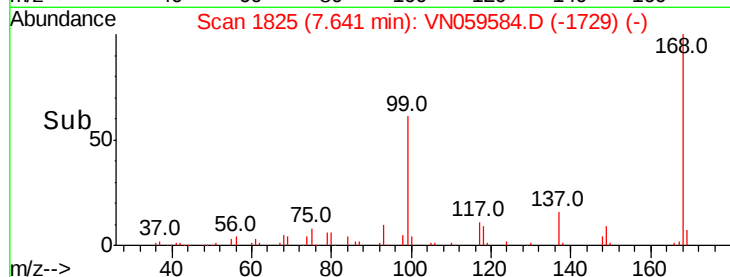
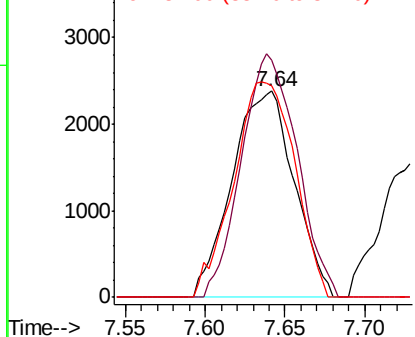
#31
Cyclohexane
Concen: 1.964 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 6366
Ion Ratio Lower Upper
56 100
69 115.3 26.5 39.7#
84 102.8 65.3 97.9#

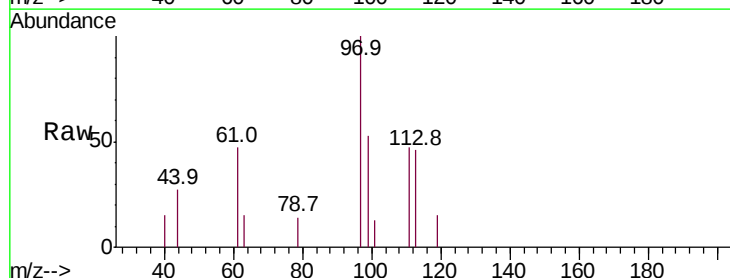


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

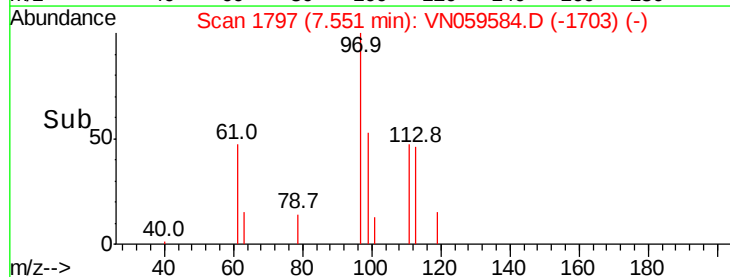
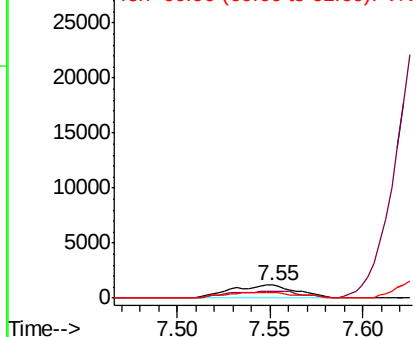


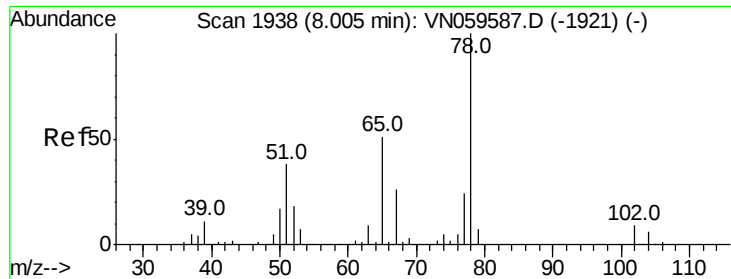
#32
1,1,1-Trichloroethane
Concen: 0.987 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 97 Resp: 2880
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 49.1 38.5 57.7



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

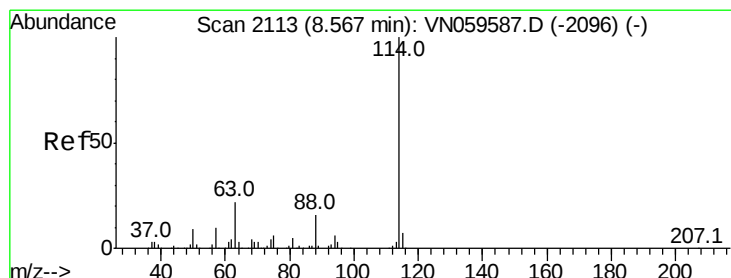
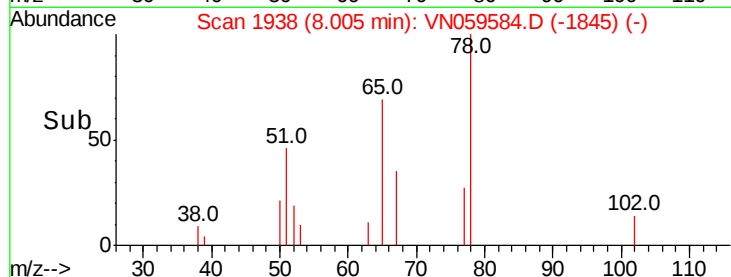
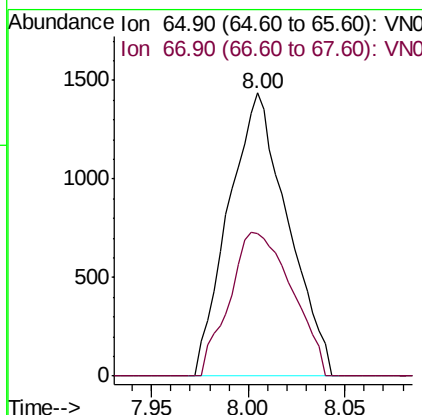
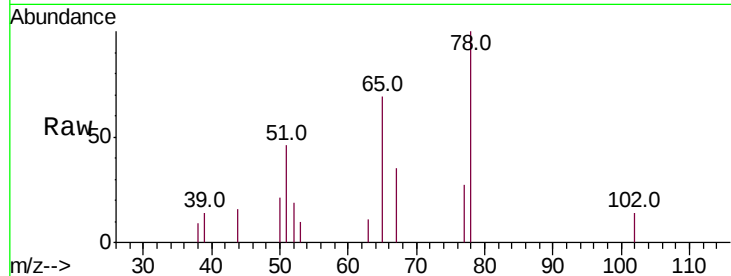




#33
 1,2-Dichloroethane-d4
 Concen: 1.415 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

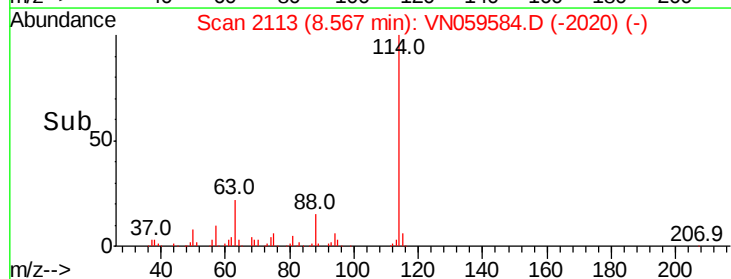
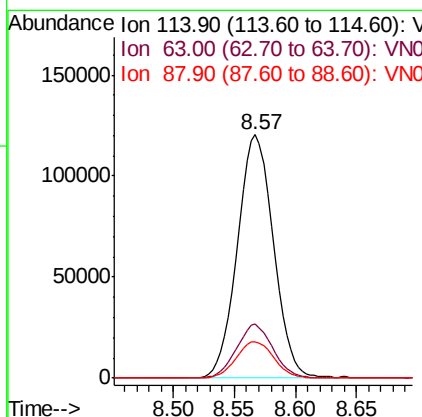
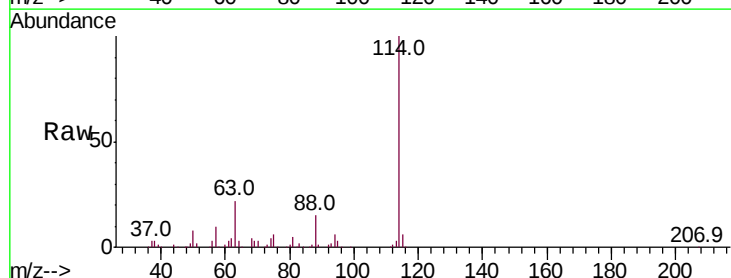
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

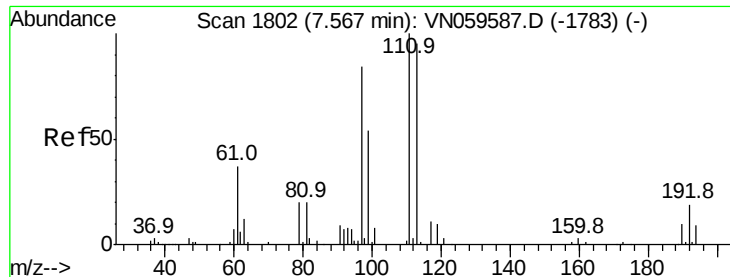
Tot Ion: 65 Resp: 3060
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion: 114 Resp: 246516
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 1.265 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

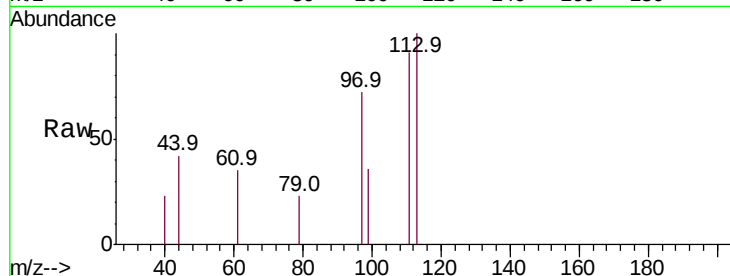
Tot Ion:113 Resp: 1893

Ion Ratio Lower Upper

113 100

111 96.4 83.5 125.3

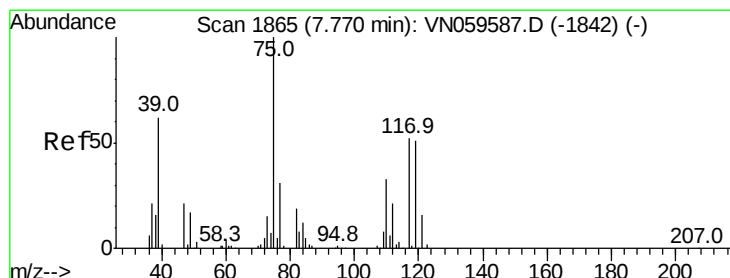
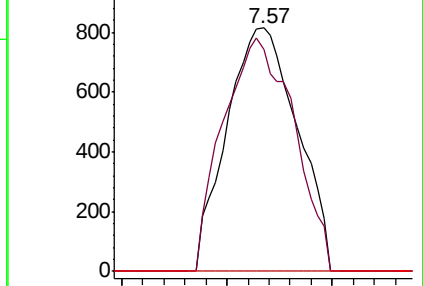
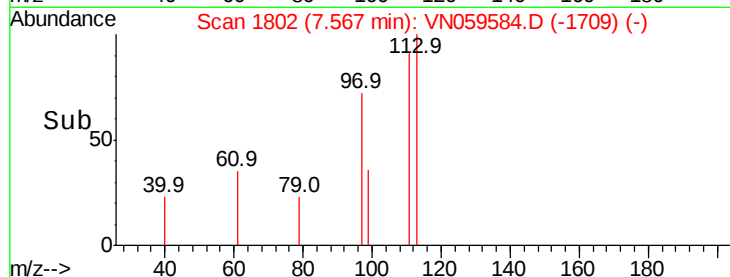
192 0.0 15.4 23.2#



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: 1.035 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

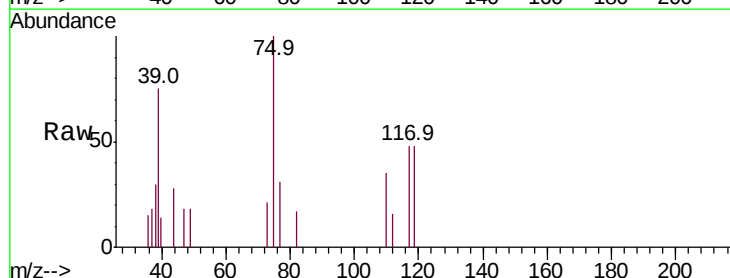
Tgt Ion: 75 Resp: 2659

Ion Ratio Lower Upper

75 100

110 28.4 16.6 49.7

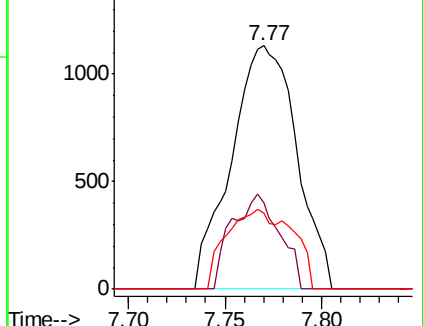
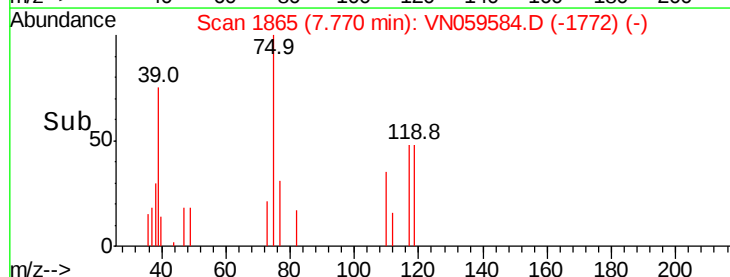
77 32.9 25.1 37.7

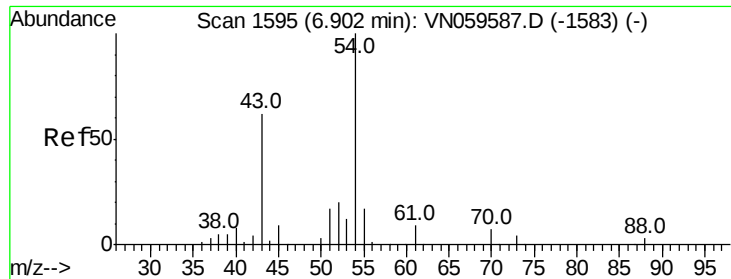


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

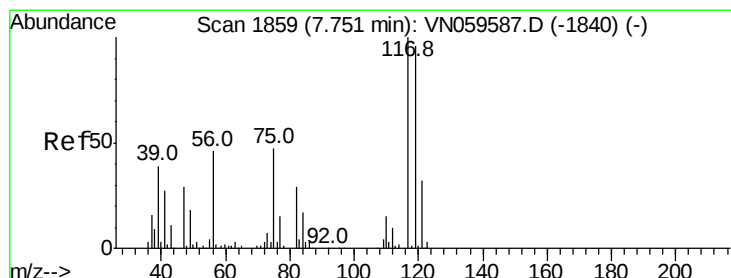
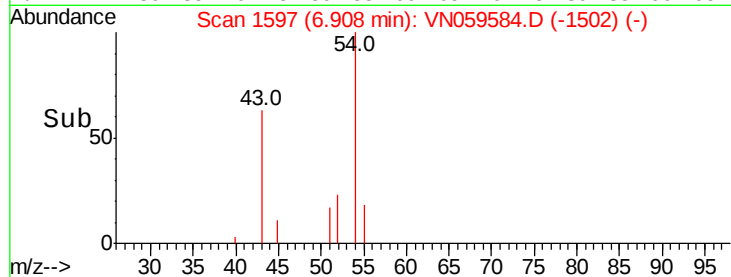
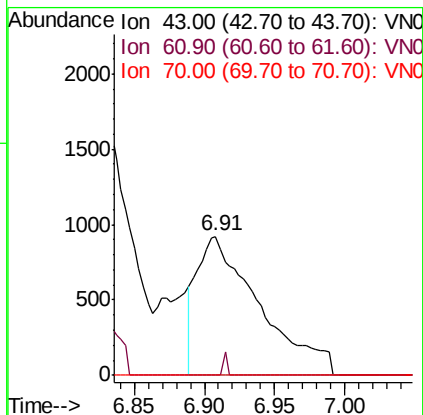
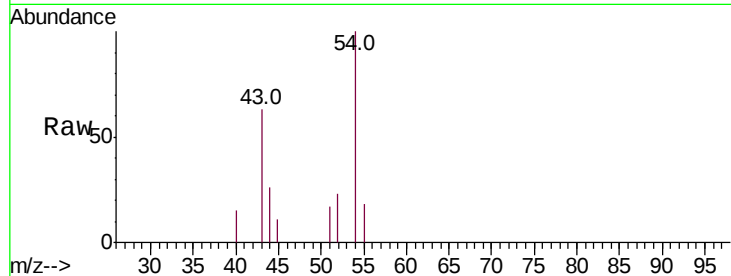




#37
Ethyl Acetate
Concen: 1.061 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

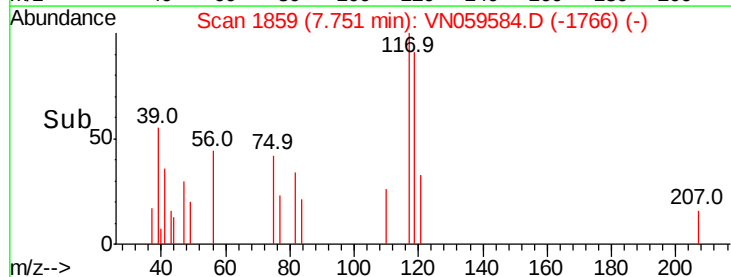
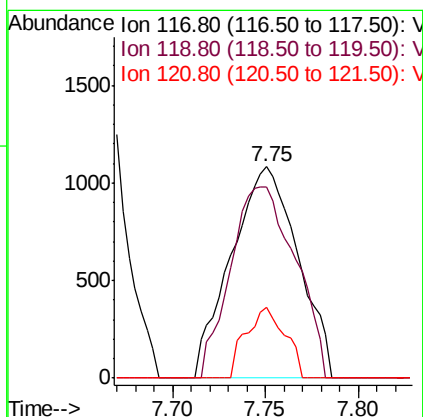
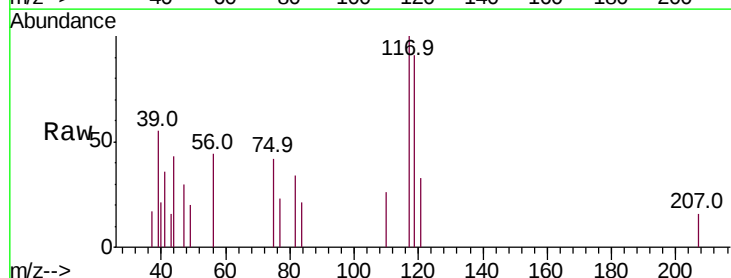
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

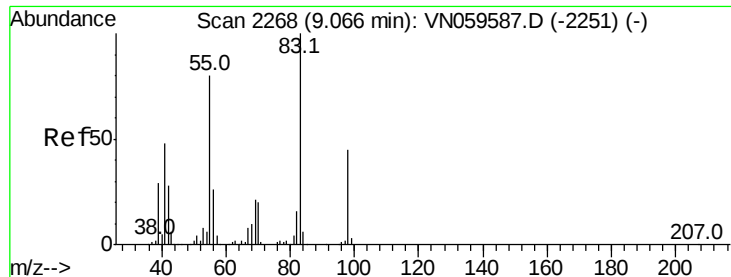
Tot Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 1.067 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 117 Resp: 2709
Ion Ratio Lower Upper
117 100
119 90.7 76.5 114.7
121 33.3 25.1 37.7

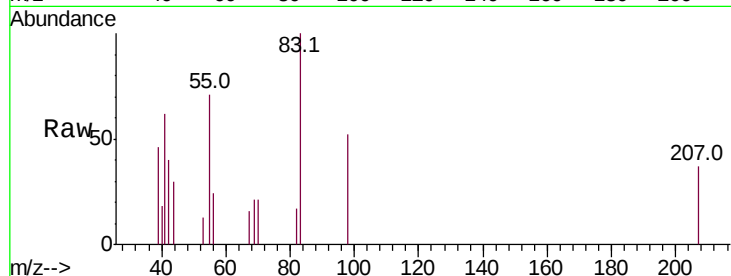




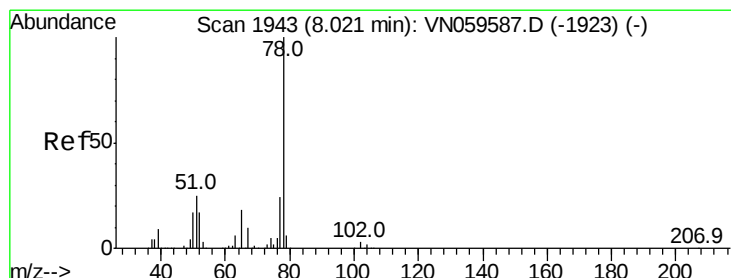
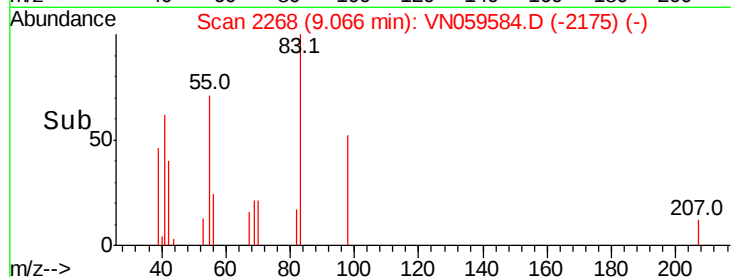
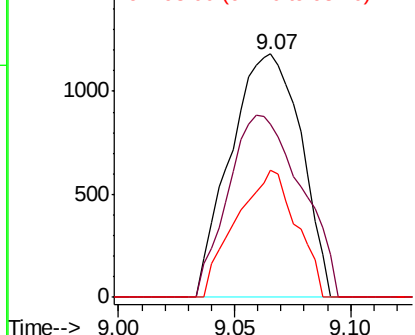
#39
Methvlcvclohexane
Concen: 0.868 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 2499
Ion Ratio Lower Upper
83 100
55 71.0 64.2 96.2
98 52.4 35.9 53.9

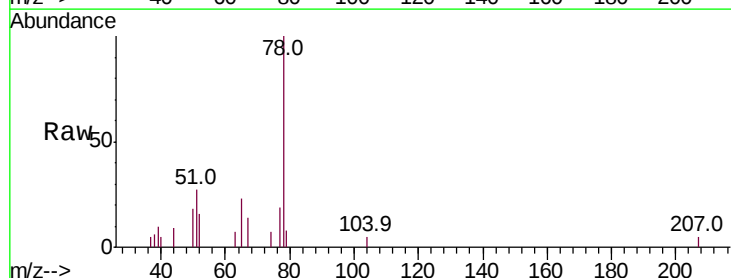


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

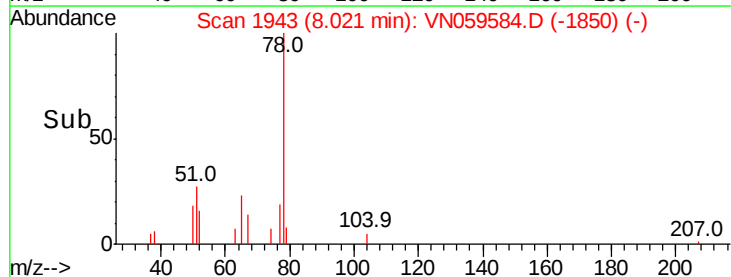
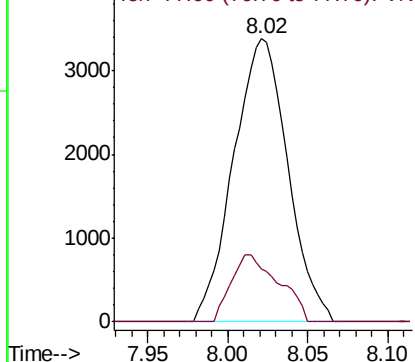


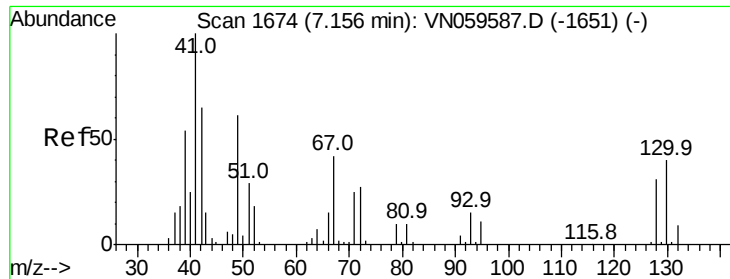
#40
Benzene
Concen: 1.070 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 78 Resp: 7869
Ion Ratio Lower Upper
78 100
77 18.8 18.9 28.3#



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

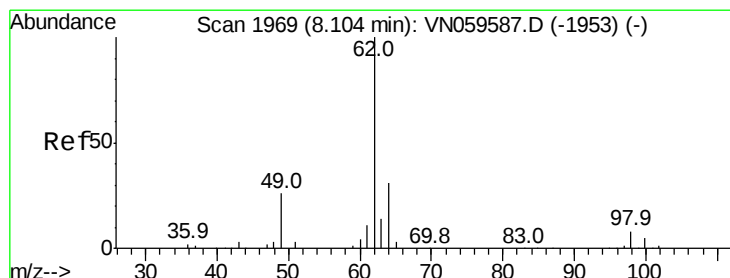
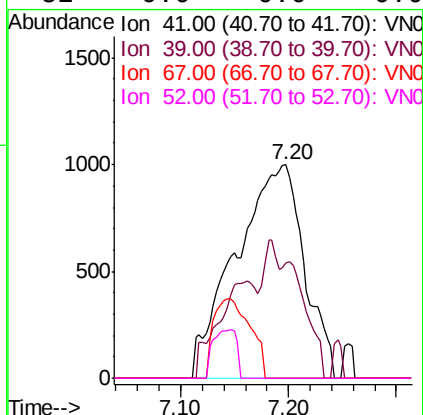
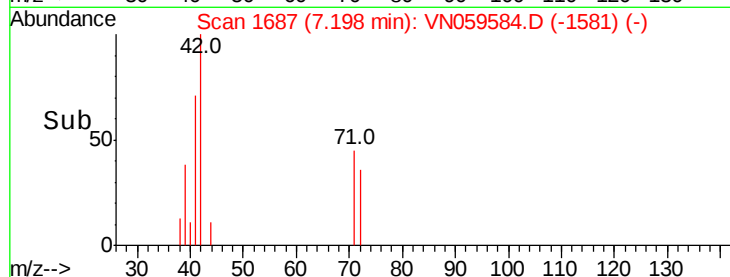
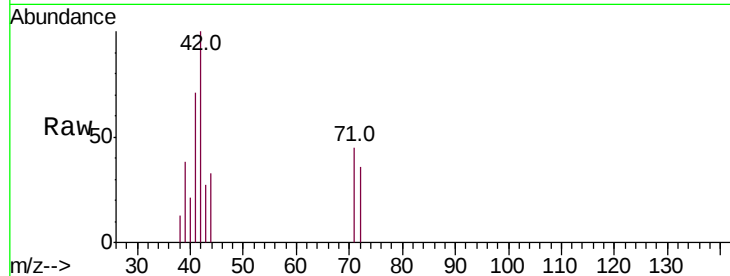




#41
Methacrylonitrile
Concen: 3.528 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

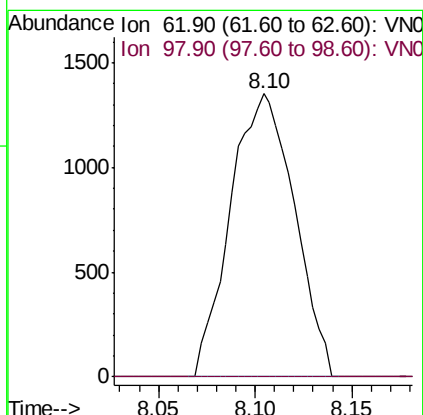
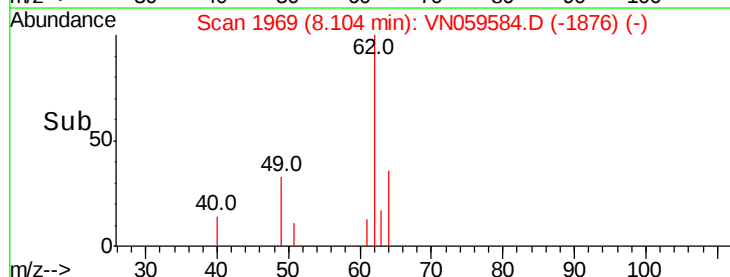
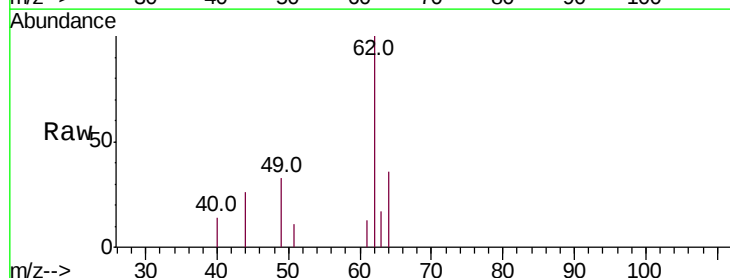
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

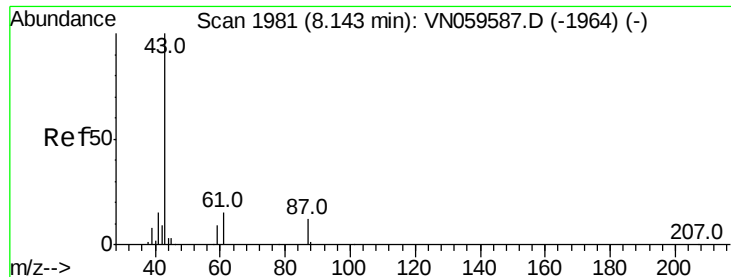
Tot Ion: 41 Resp: 4423
Ion Ratio Lower Upper
41 100
39 5.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 1.130 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 62 Resp: 3101
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 0.980 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

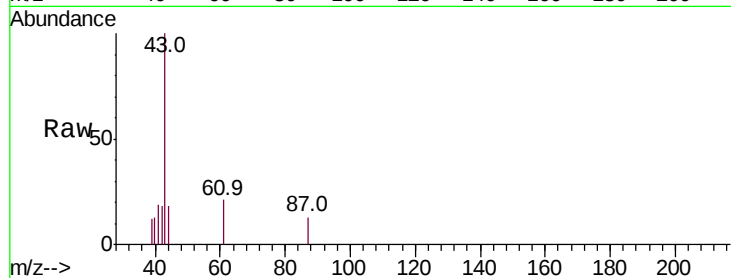
Tot Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

61 17.5 20.2 30.2#

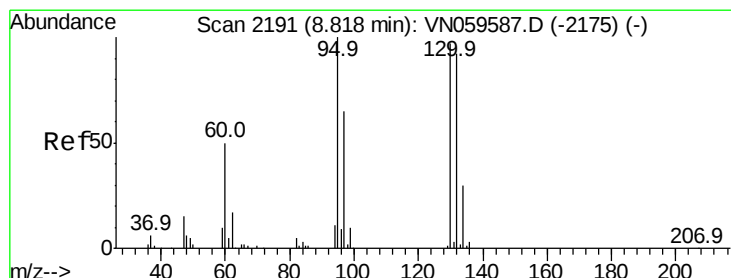
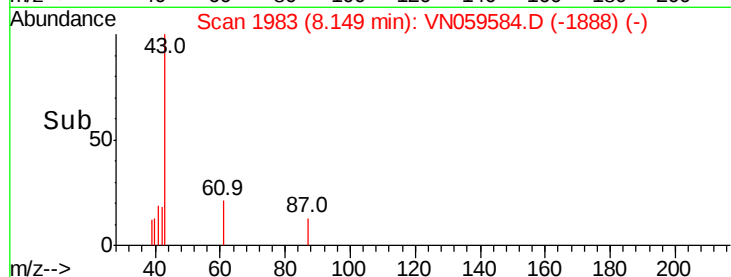
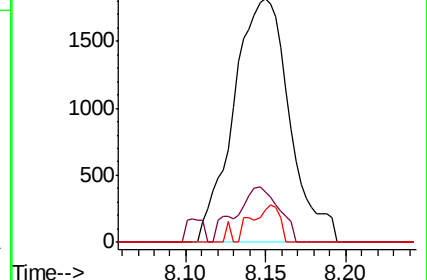
87 7.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#44

Trichloroethene

Concen: 1.152 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059584.D

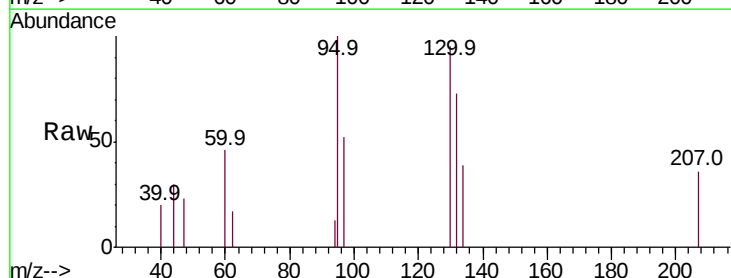
Acq: 13 Dec 2019 15:38

Tgt Ion: 130 Resp: 2146

Ion Ratio Lower Upper

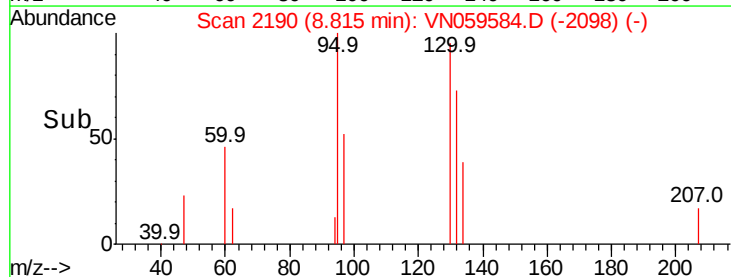
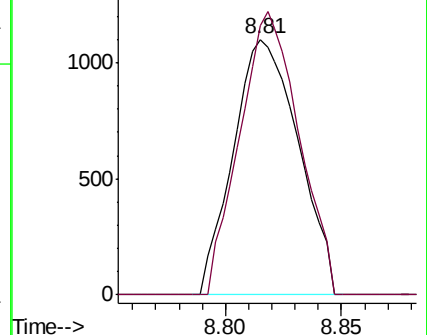
130 100

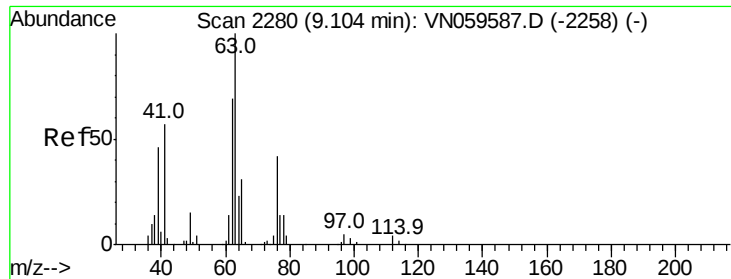
95 105.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)

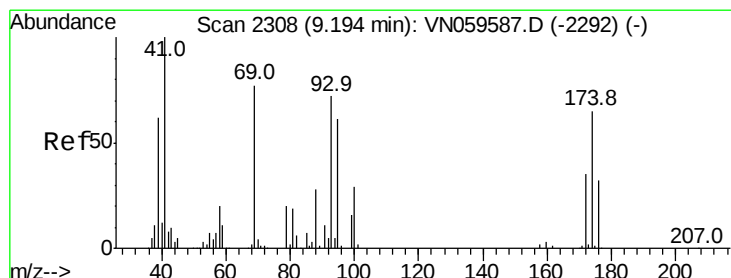
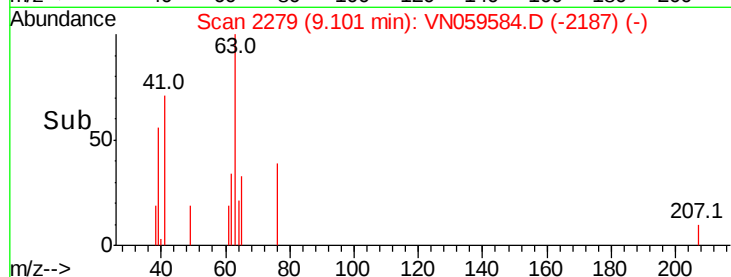
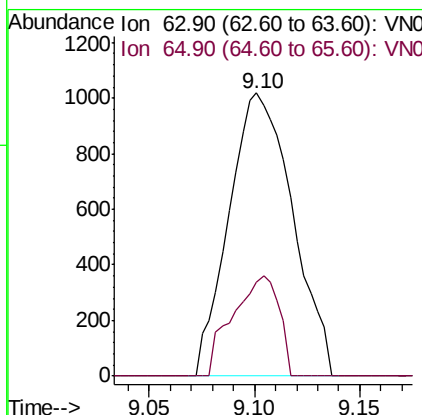
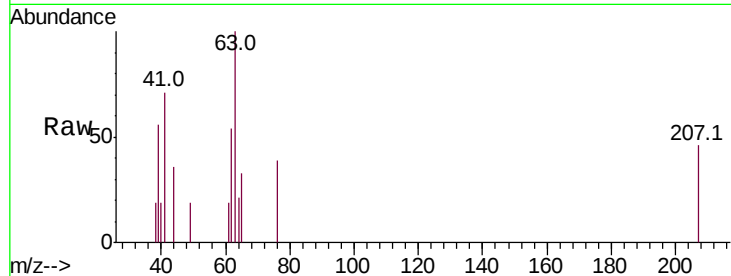




#45
 1,2-Dichloropropane
 Concen: 1.096 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

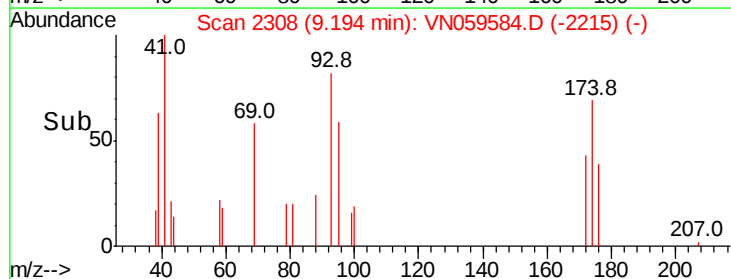
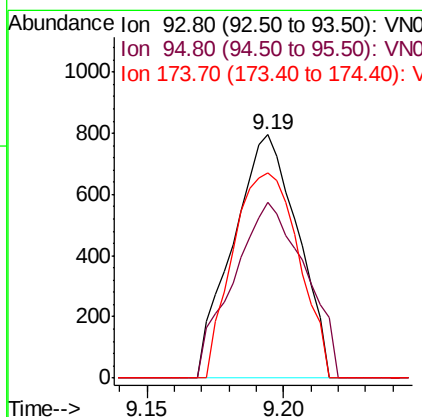
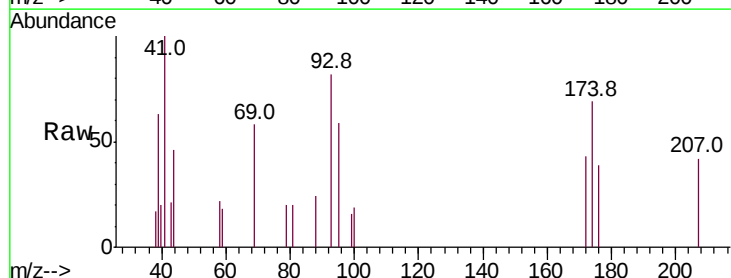
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

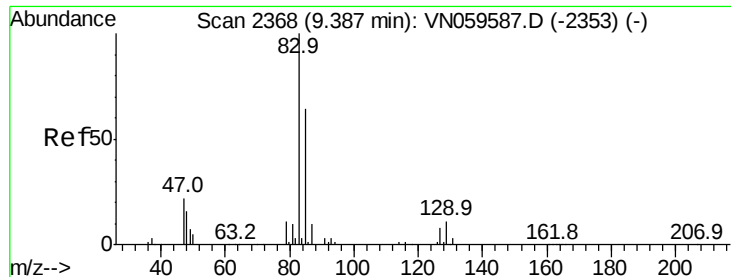
Tot Ion: 63 Resp: 2133
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.9 37.3



#46
 Dibromomethane
 Concen: 1.015 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion: 93 Resp: 1309
 Ion Ratio Lower Upper
 93 100
 95 80.1 67.0 100.6
 174 85.9 73.4 110.2





#47

Bromodichloromethane

Concen: 0.998 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

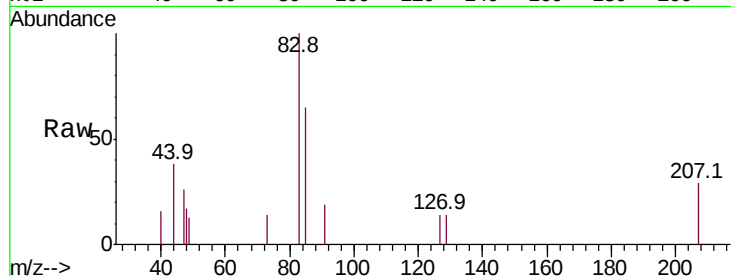
Tot Ion: 83 Resp: 2555

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

127 13.7 6.6 9.8#

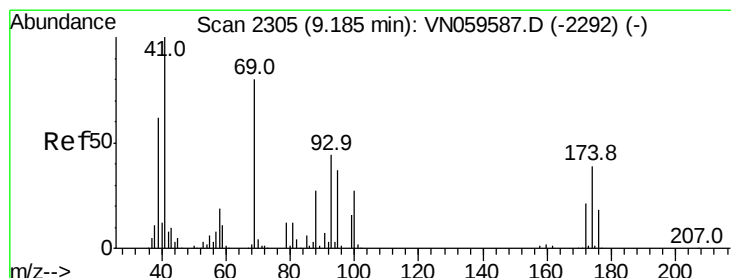
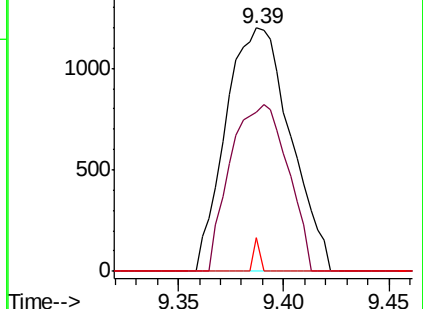
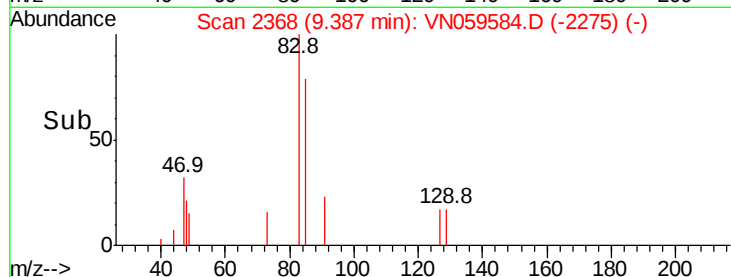


Abundance Ion 82.90 (82.60 to 83.60): VN059584.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059584.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059584.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.112 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

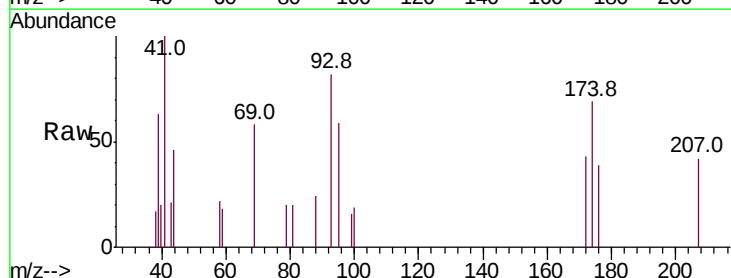
Tgt Ion: 41 Resp: 2172

Ion Ratio Lower Upper

41 100

69 58.5 64.4 96.6#

39 60.6 51.3 76.9

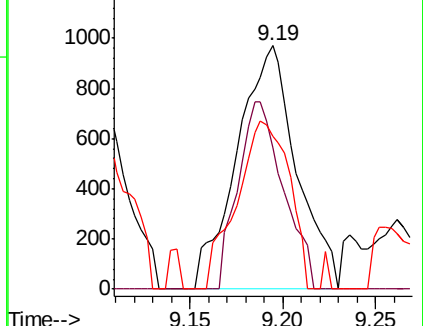
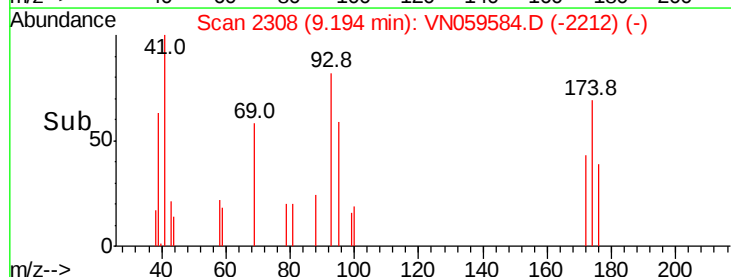


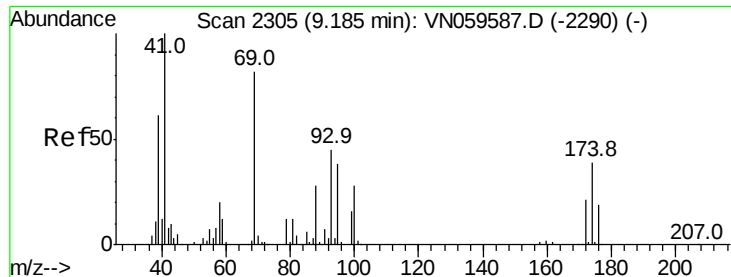
Abundance Ion 41.00 (40.70 to 41.70): VN059584.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059584.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059584.D (-2212) (-)

Time-->

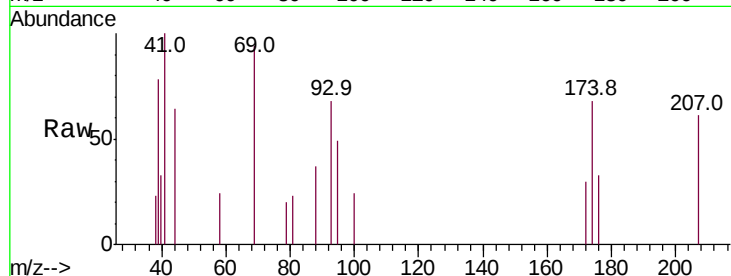




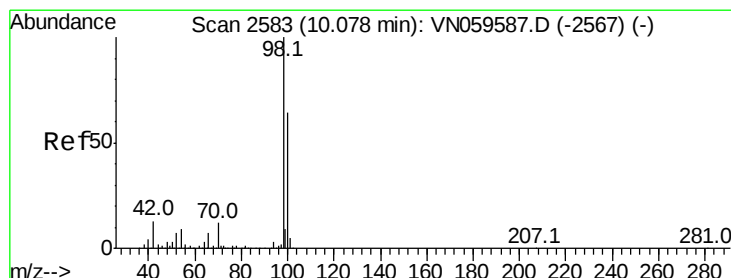
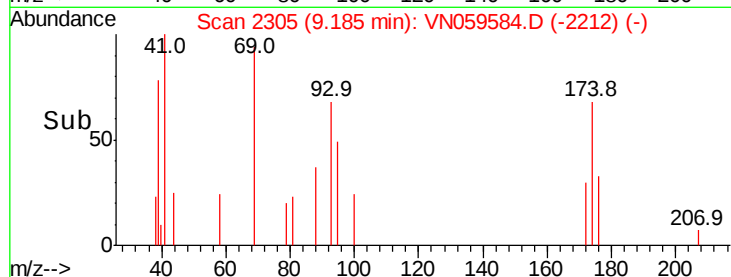
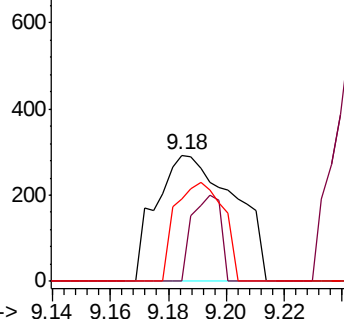
#49
1,4-Dioxane
Concen: 20.933 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 88 Resp: 547
Ion Ratio Lower Upper
88 100
43 25.2 29.7 44.5#
58 47.9 56.6 85.0#

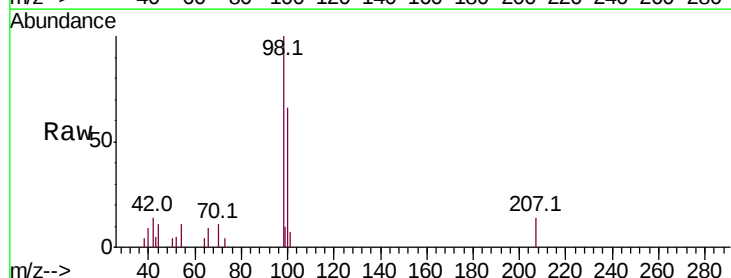


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

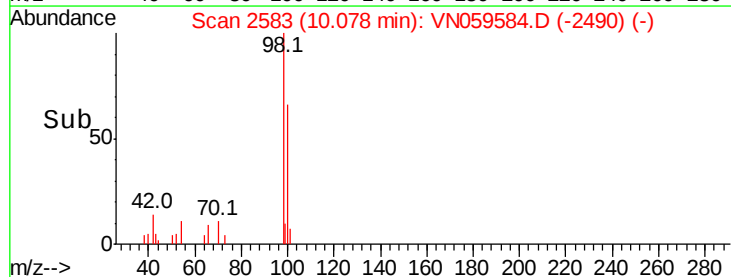
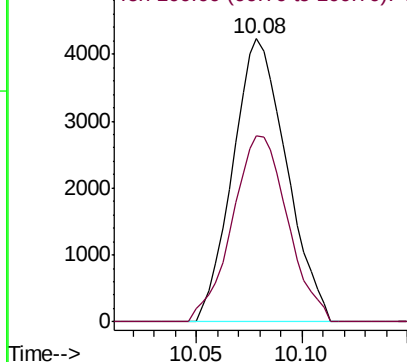


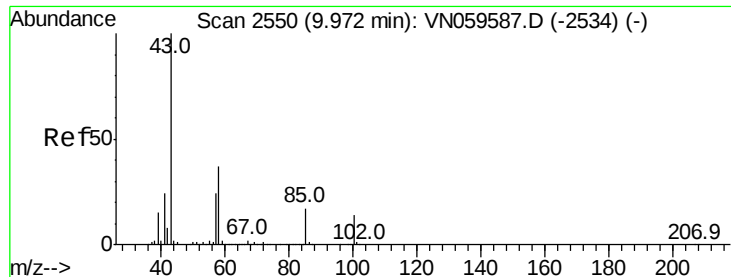
#50
Toluene-d8
Concen: 1.216 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 98 Resp: 7484
Ion Ratio Lower Upper
98 100
100 67.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 4.589 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

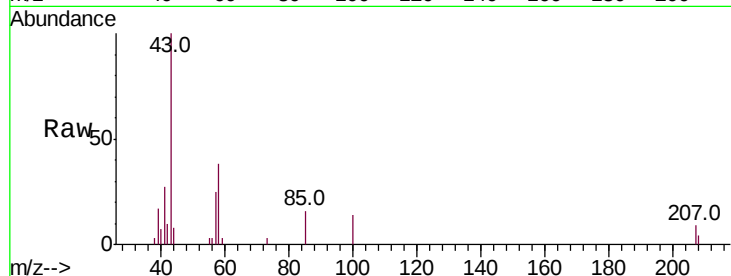
VSTDIC001

Tot Ion: 43 Resp: 11874

Ion Ratio Lower Upper

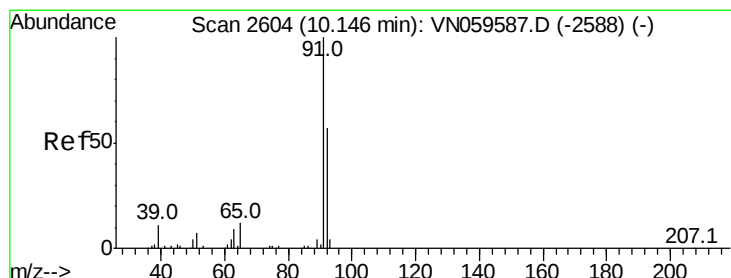
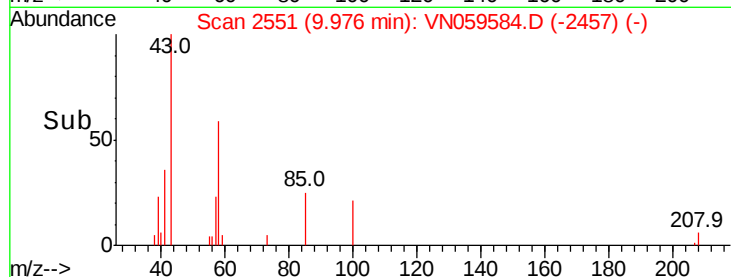
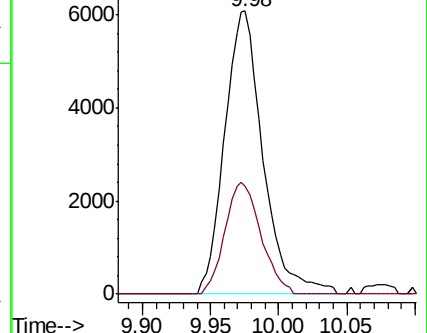
43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)



#52

Toluene

Concen: 0.984 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059584.D

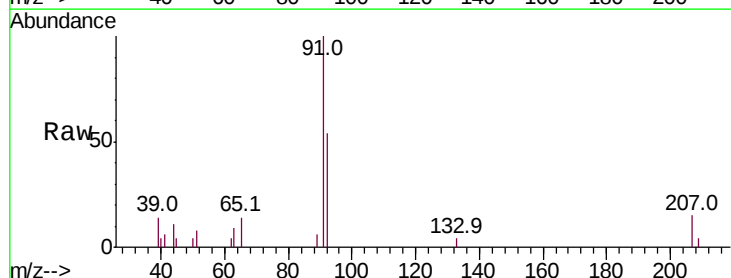
Acq: 13 Dec 2019 15:38

Tgt Ion: 92 Resp: 4317

Ion Ratio Lower Upper

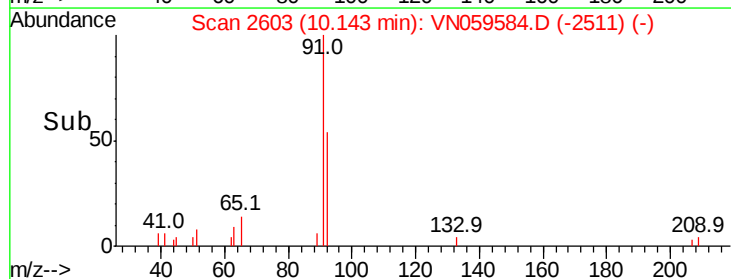
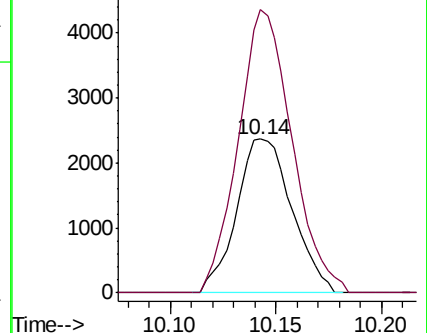
92 100

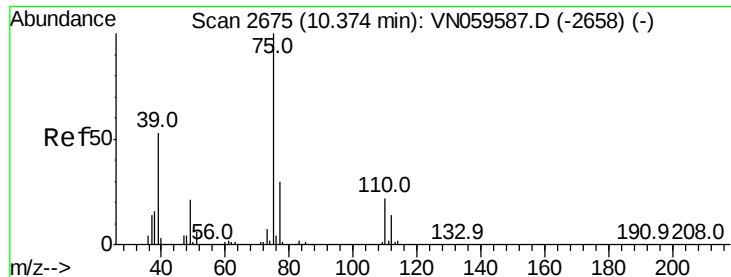
91 178.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 1.037 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

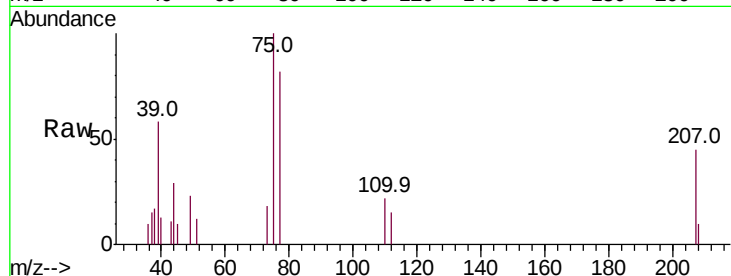
VSTDIC001

Tot Ion: 75 Resp: 3095

Ion Ratio Lower Upper

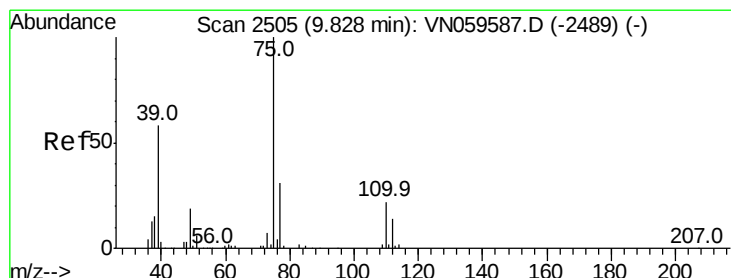
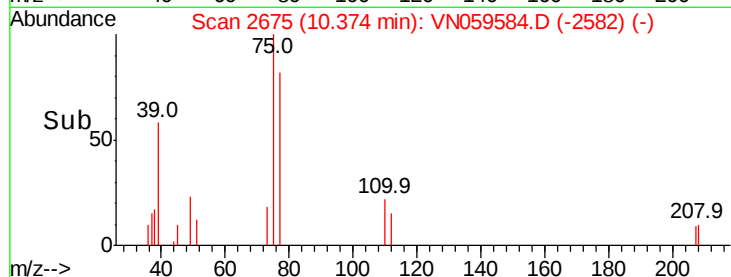
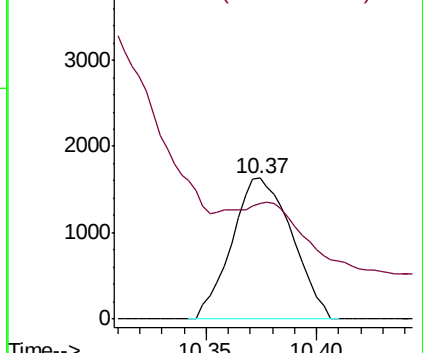
75 100

77 40.7 25.4 38.2#



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: 0.980 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

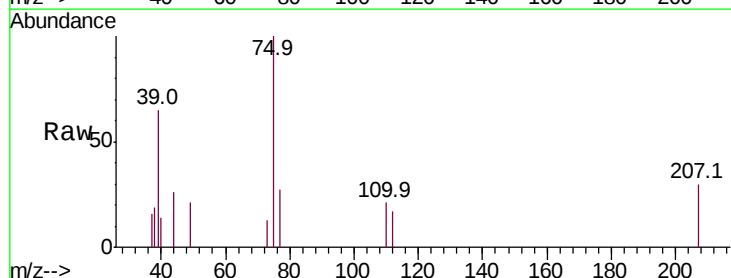
Tgt Ion: 75 Resp: 2999

Ion Ratio Lower Upper

75 100

77 26.6 25.1 37.7

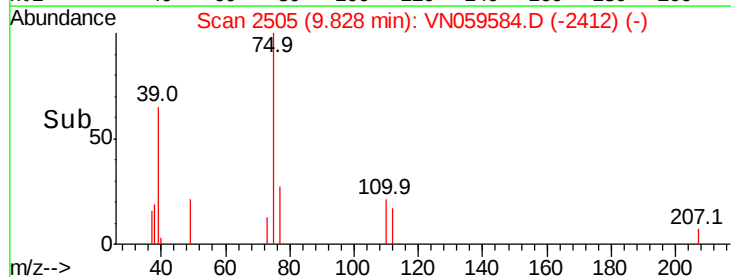
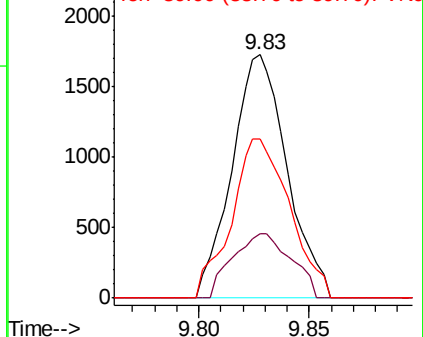
39 65.5 46.1 69.1

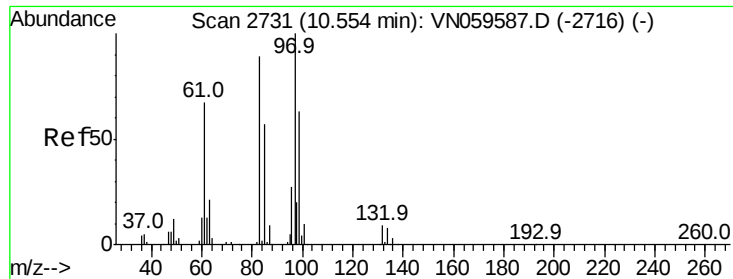


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.954 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 1693

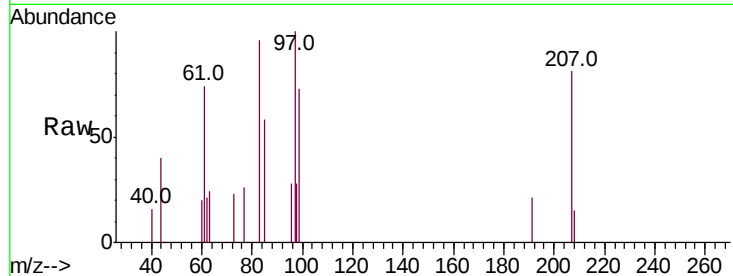
Ion Ratio Lower Upper

97 100

83 96.2 71.3 106.9

85 57.5 45.8 68.8

99 73.4 50.0 75.0

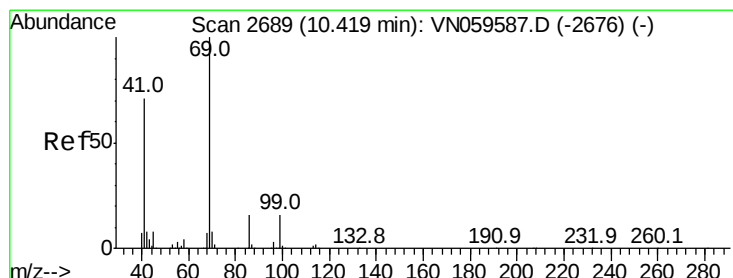
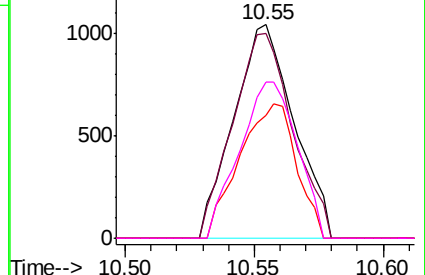
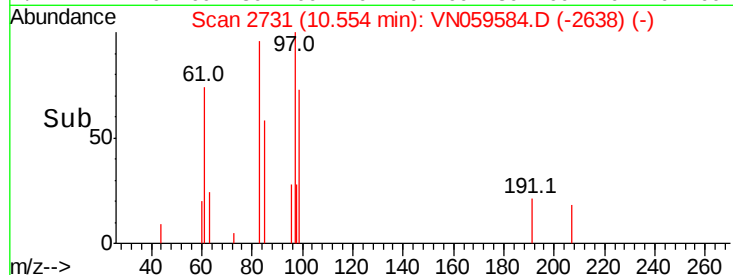


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.680 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

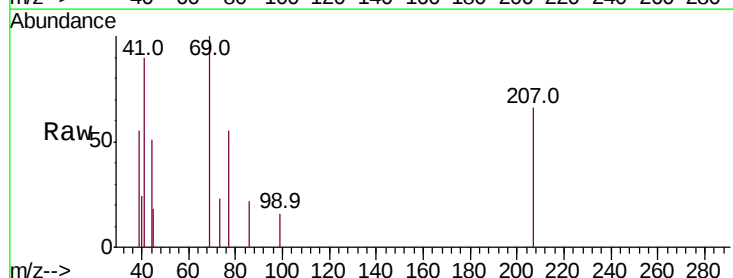
Tgt Ion: 69 Resp: 1784

Ion Ratio Lower Upper

69 100

41 90.6 57.1 85.7#

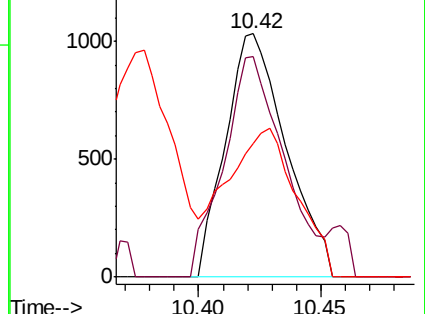
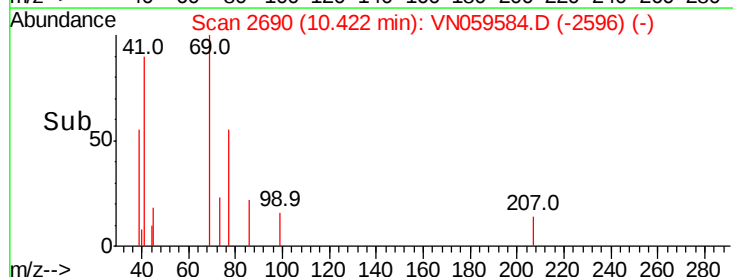
39 71.3 34.7 52.1#

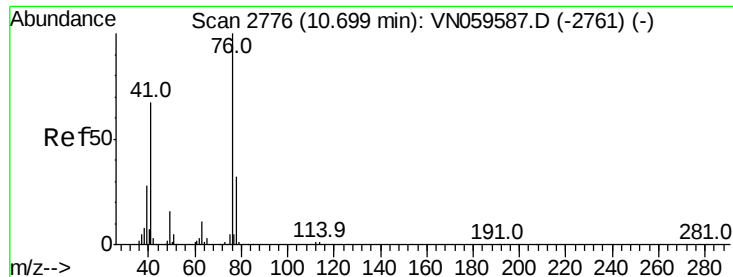


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.155 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

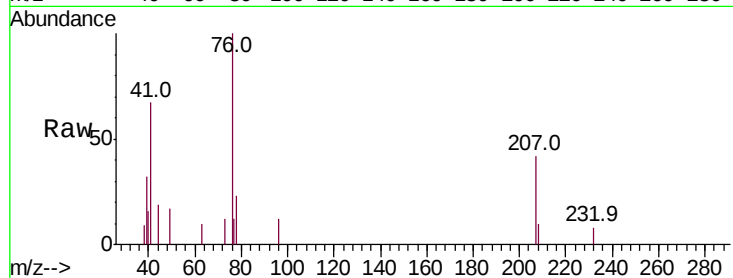
VSTDIC001

Tot Ion: 76 Resp: 3501

Ion Ratio Lower Upper

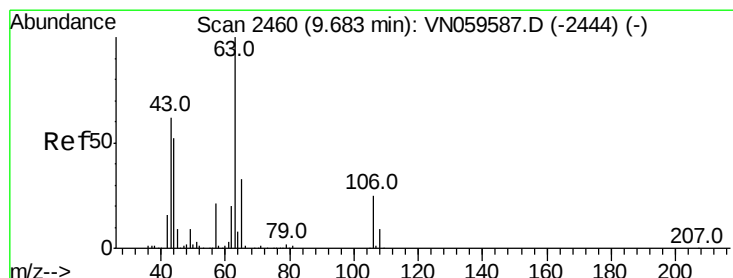
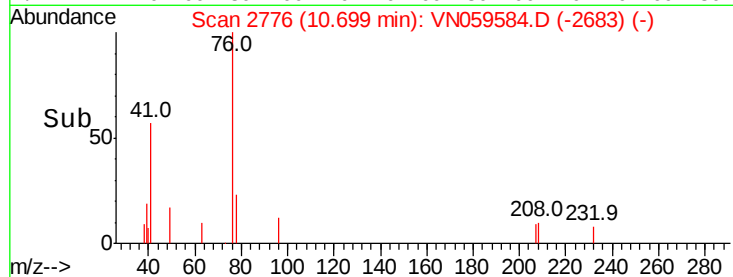
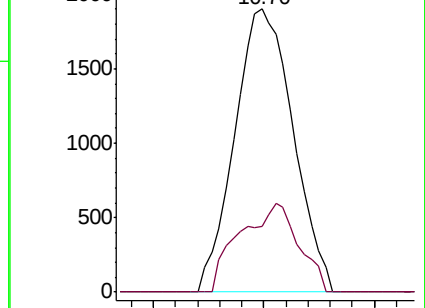
76 100

78 31.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 10.306 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059584.D

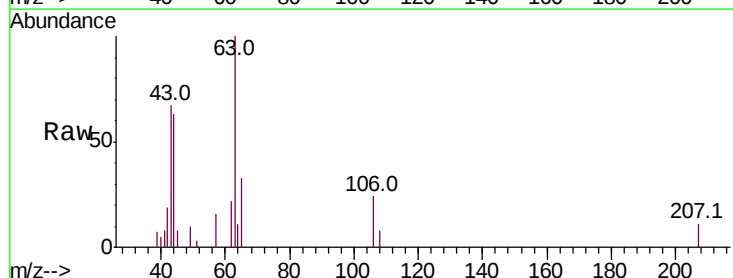
Acq: 13 Dec 2019 15:38

Tgt Ion: 63 Resp: 8561

Ion Ratio Lower Upper

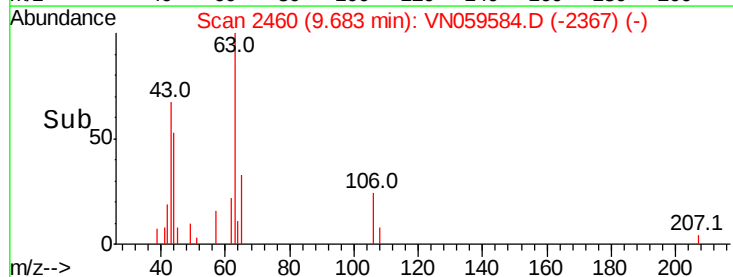
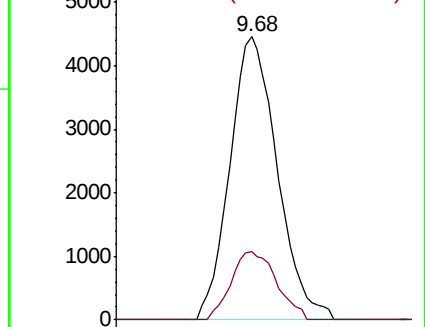
63 100

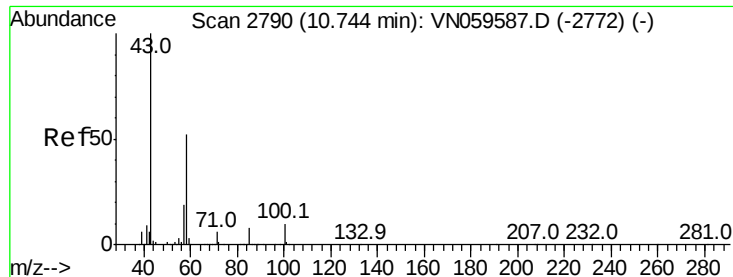
106 23.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

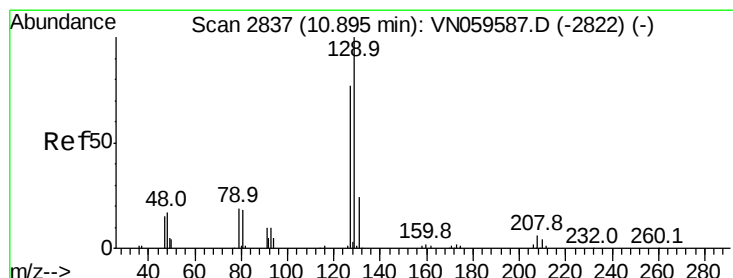
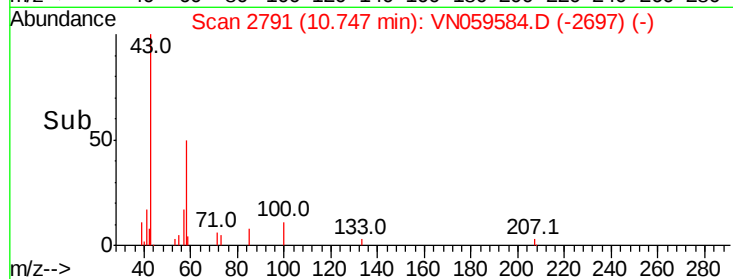
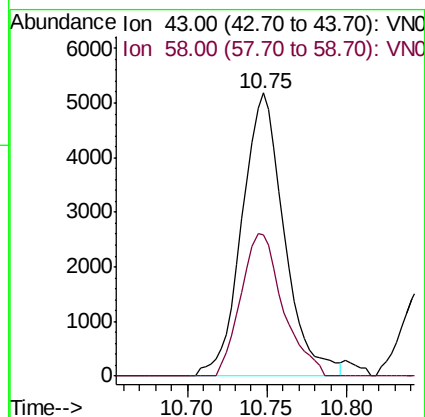
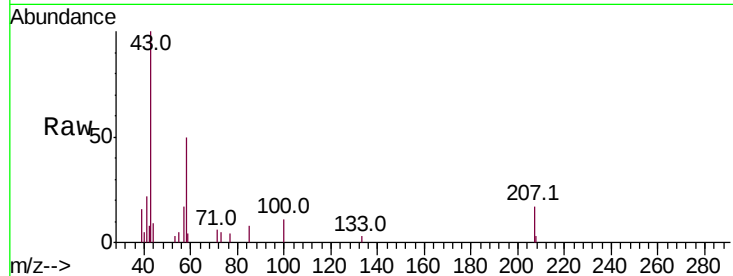




#59
2-Hexanone
Concen: 4.784 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

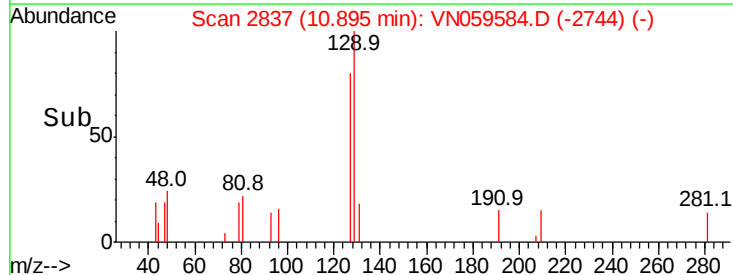
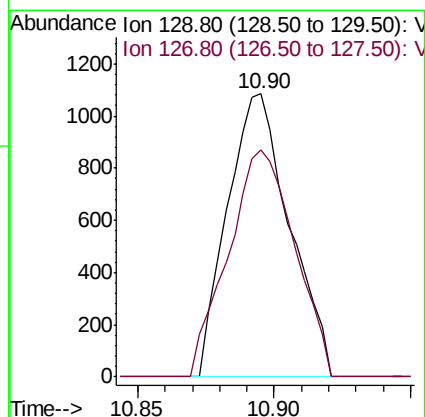
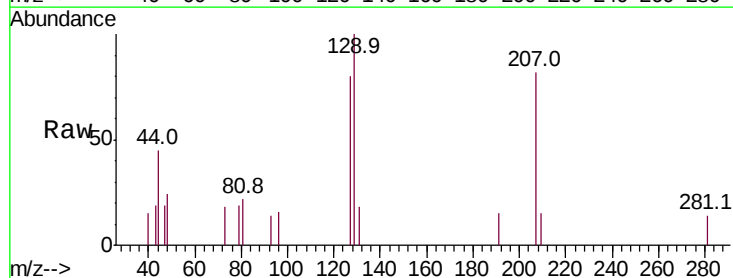
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

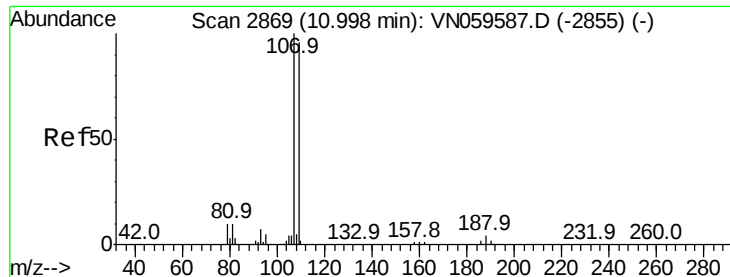
Tot Ion: 43 Resp: 9381
Ion Ratio Lower Upper
43 100
58 49.8 25.8 77.3



#60
Dibromochloromethane
Concen: 0.890 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion: 129 Resp: 1712
Ion Ratio Lower Upper
129 100
127 85.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 1.019 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

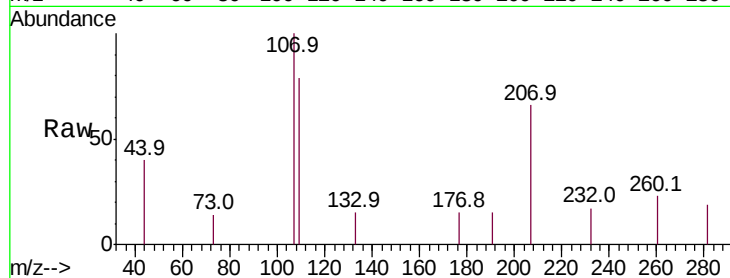
VSTDIC001

Tot Ion:107 Resp: 1880

Ion Ratio Lower Upper

107 100

109 83.2 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

1200

1000

800

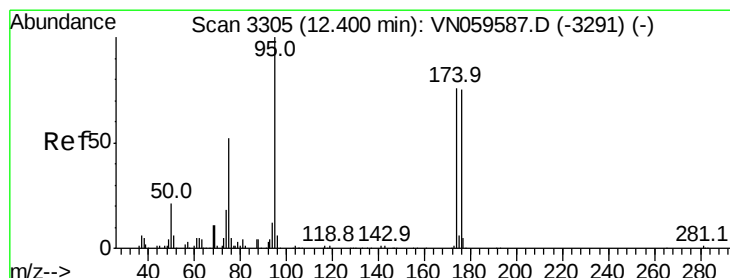
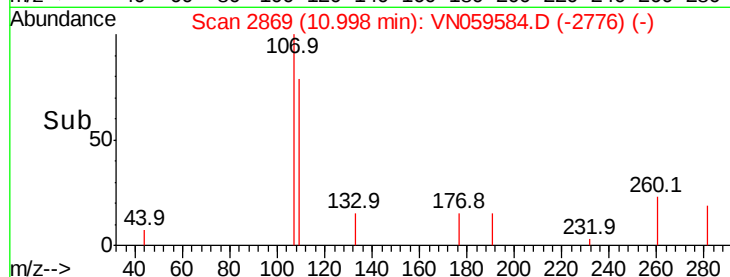
600

400

200

0

Time--> 10.95 11.00



#62

4-Bromofluorobenzene

Concen: 1.241 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

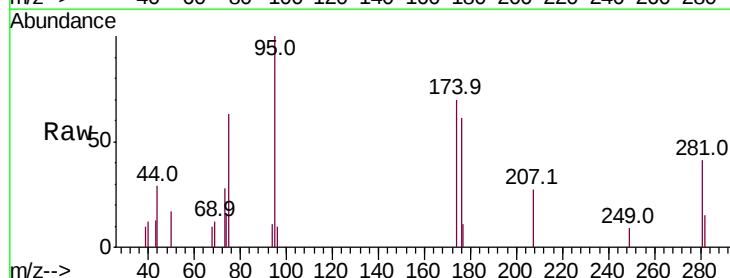
Tgt Ion: 95 Resp: 2760

Ion Ratio Lower Upper

95 100

174 81.1 0.0 151.4

176 76.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

2000

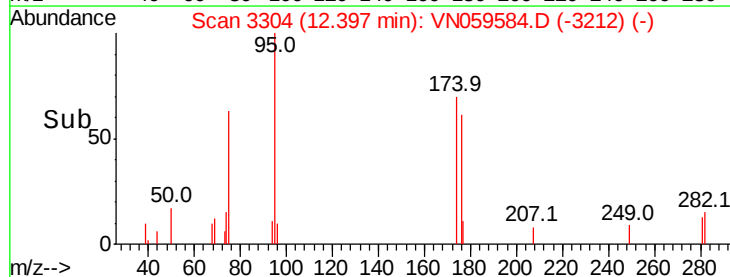
1500

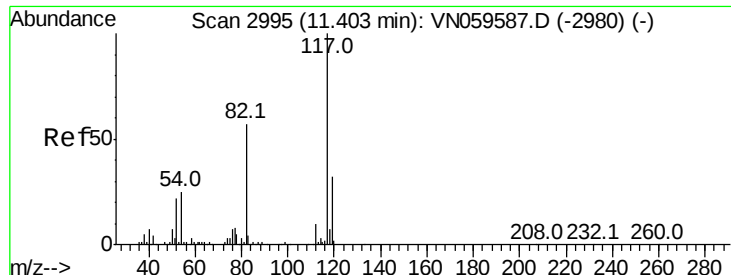
1000

500

0

Time--> 12.35 12.40 12.45

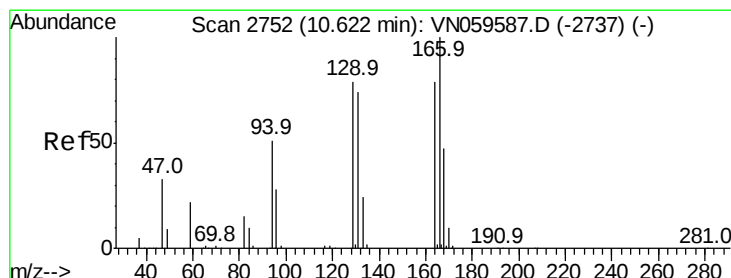
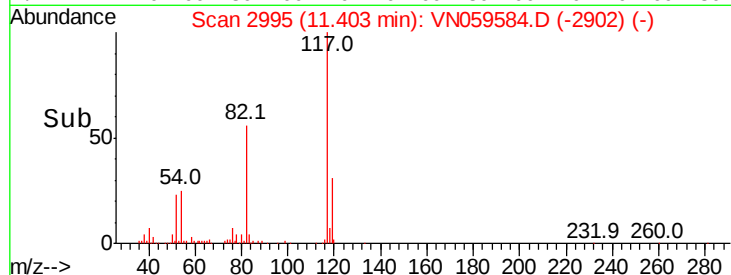
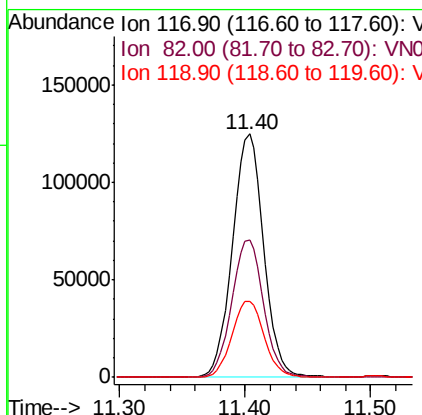
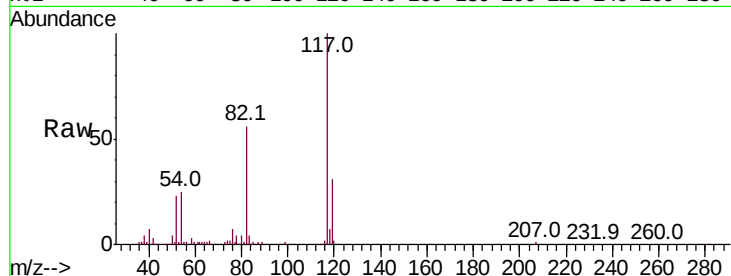




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

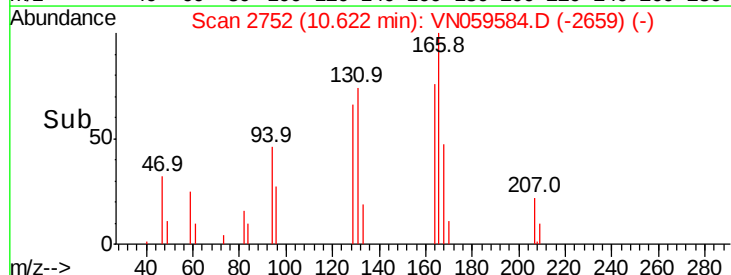
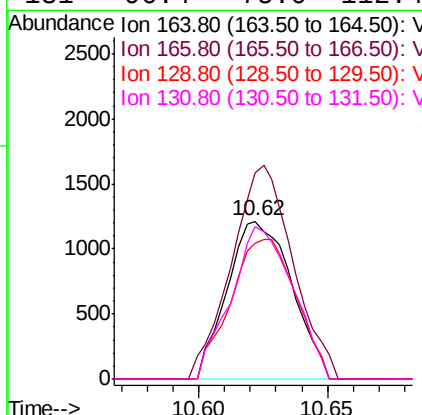
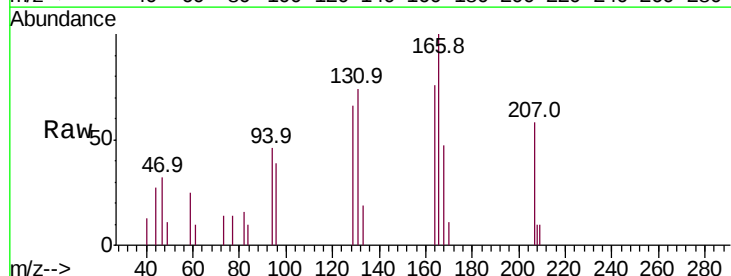
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

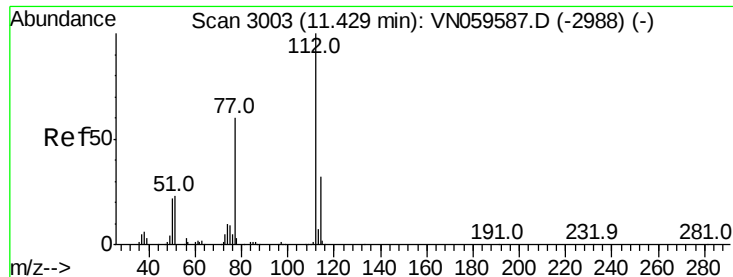
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.9	68.9
119	31.4	25.5	38.3



#64
Tetrachloroethene
Concen: 1.261 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	101.4	152.0
129	86.3	80.2	120.4
131	96.4	75.0	112.4





#65

Chlorobenzene

Concen: 1.134 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

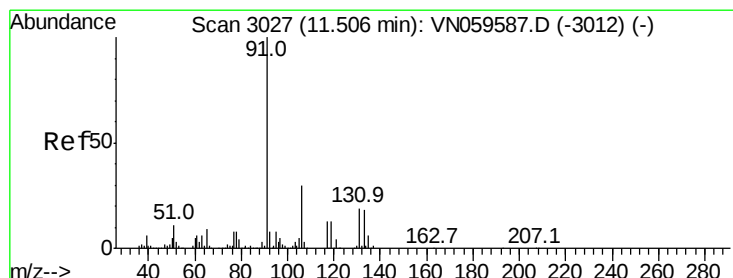
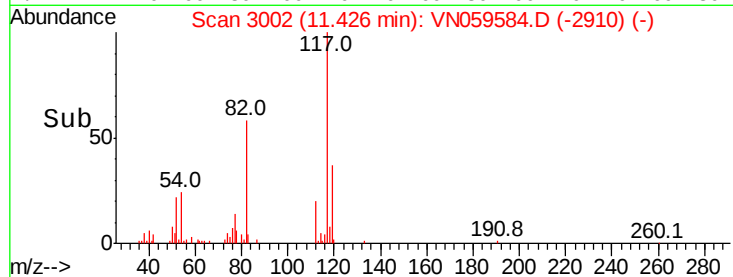
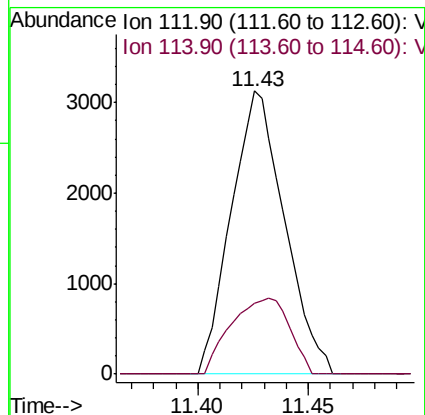
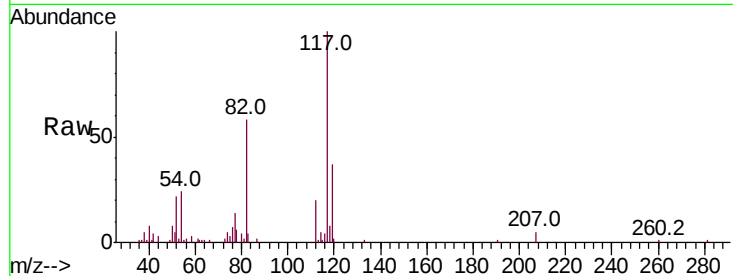
VSTDIC001

Tot Ion:112 Resp: 5230

Ion Ratio Lower Upper

112 100

114 25.0 25.8 38.8#



#66

1,1,1,2-Tetrachloroethane

Concen: 0.864 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

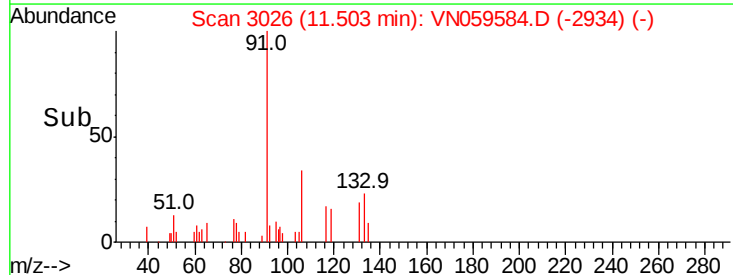
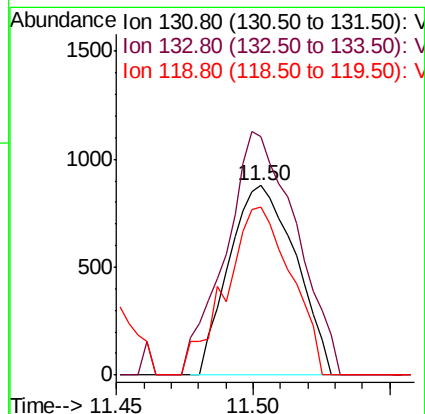
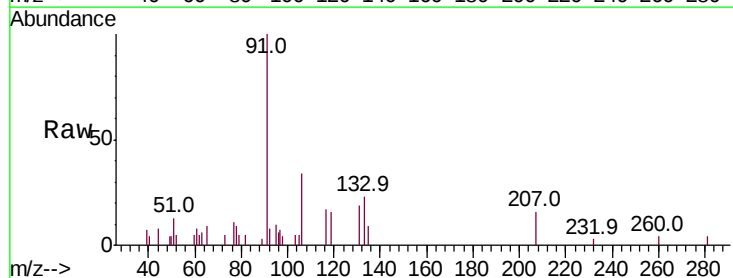
Tgt Ion:131 Resp: 1488

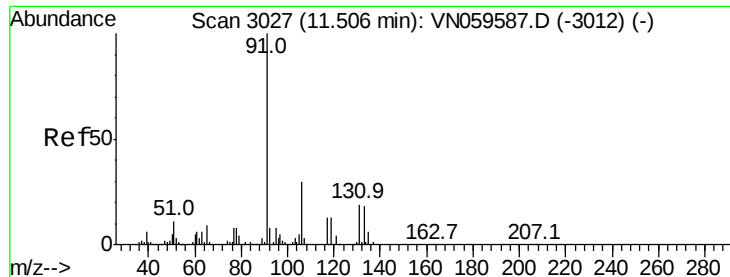
Ion Ratio Lower Upper

131 100

133 136.4 47.4 142.2

119 0.0 33.1 99.3#





#67

Ethyl Benzene

Concen: 1.015 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

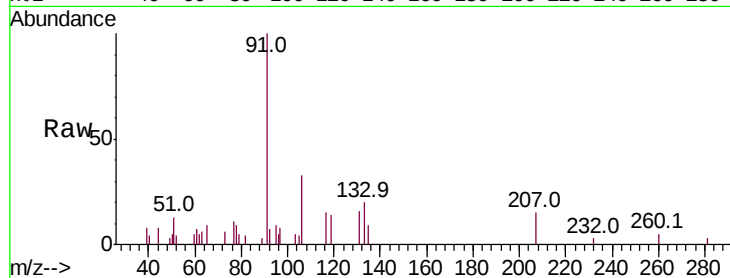
VSTDIC001

Tot Ion: 91 Resp: 8411

Ion Ratio Lower Upper

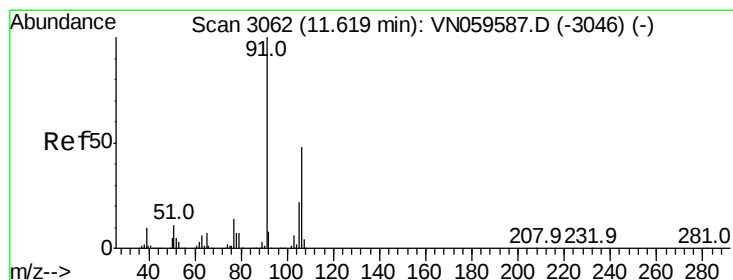
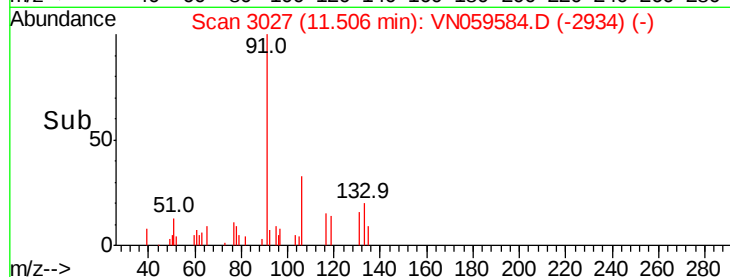
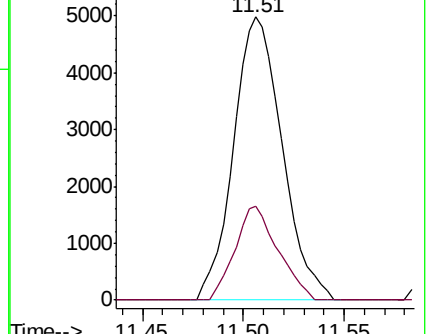
91 100

106 33.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 1.897 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059584.D

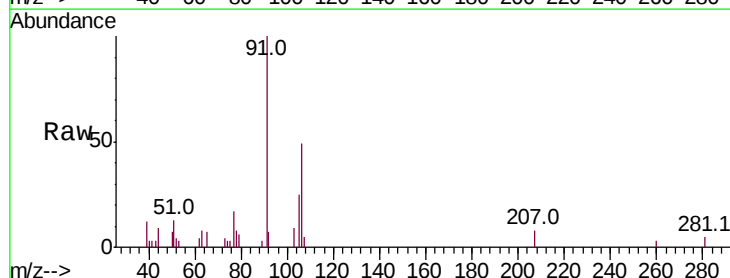
Acq: 13 Dec 2019 15:38

Tgt Ion: 106 Resp: 5822

Ion Ratio Lower Upper

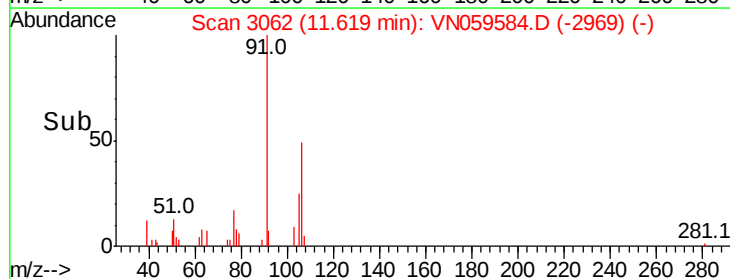
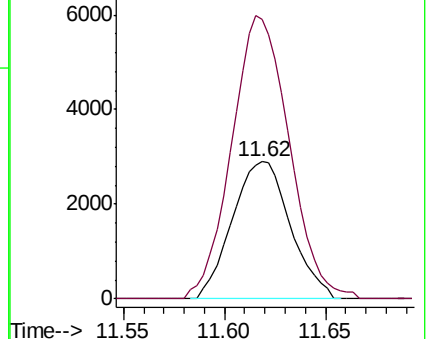
106 100

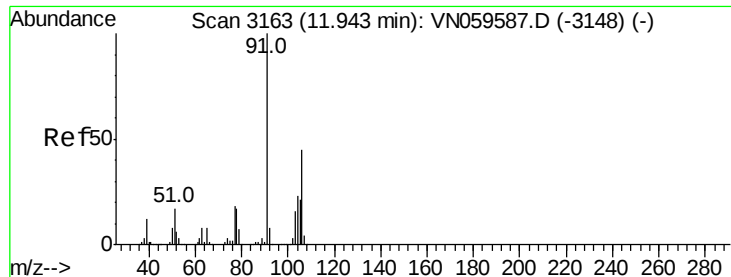
91 204.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

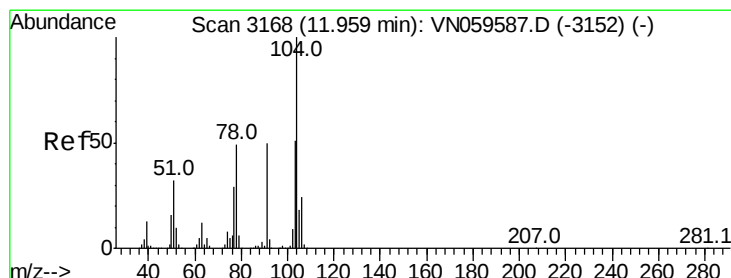
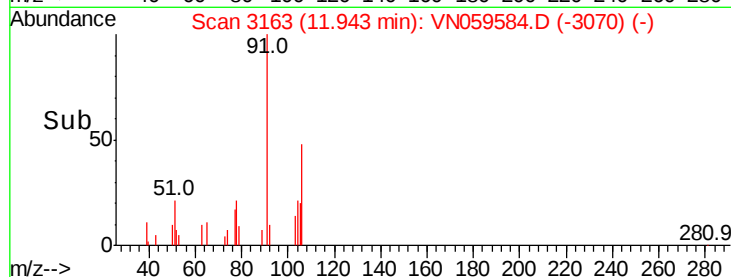
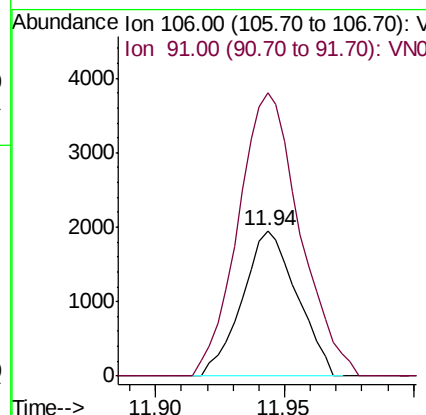
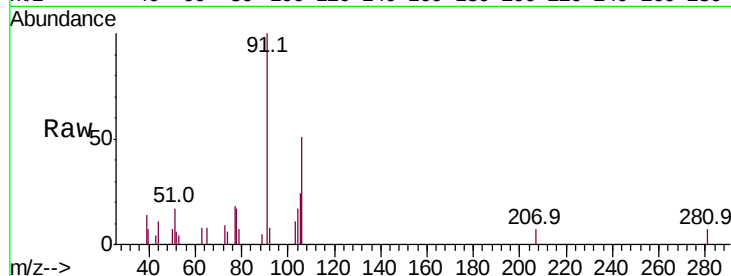




#69
o-Xylene
Concen: 1.005 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

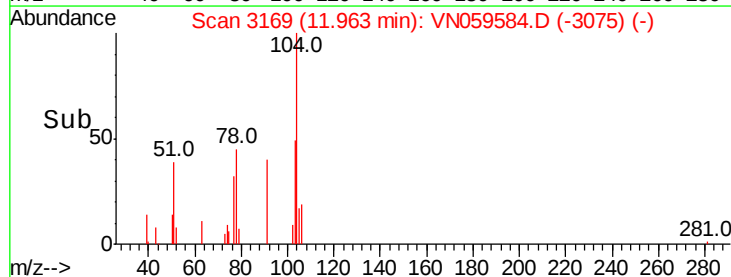
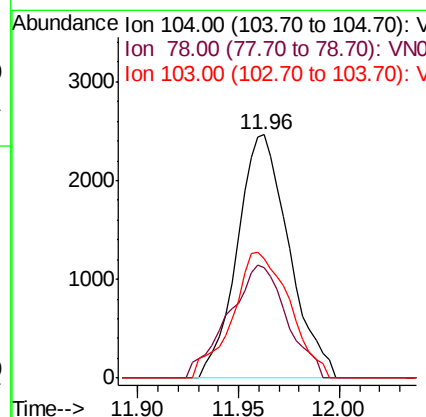
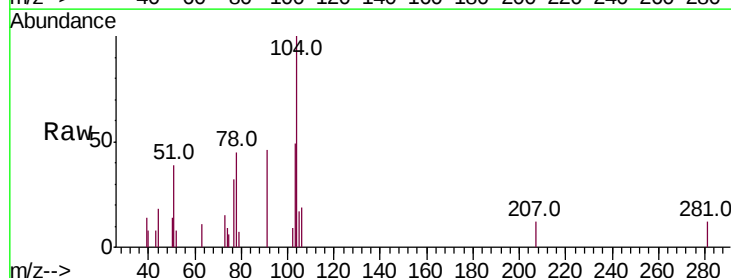
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

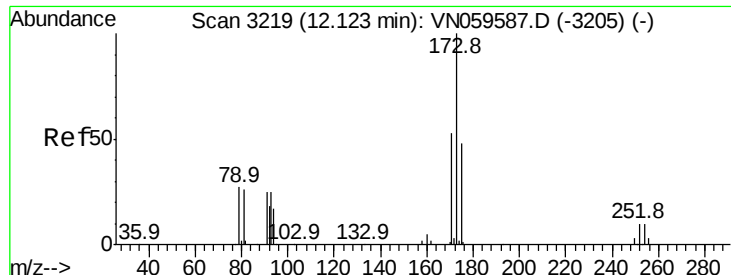
Tot Ion:106 Resp: 2879
Ion Ratio Lower Upper
106 100
91 220.1 110.3 330.9



#70
Styrene
Concen: 0.931 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion:104 Resp: 4416
Ion Ratio Lower Upper
104 100
78 52.4 42.4 63.6
103 57.0 43.9 65.9

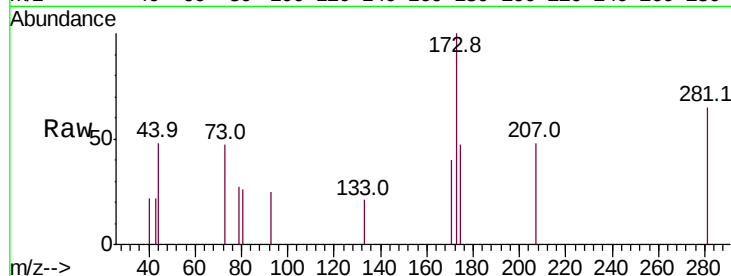




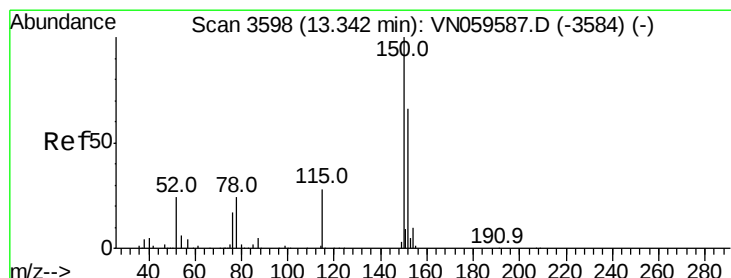
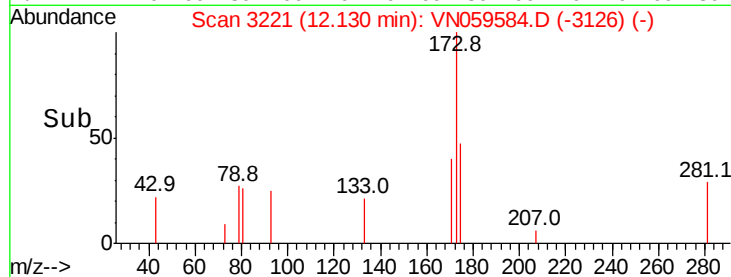
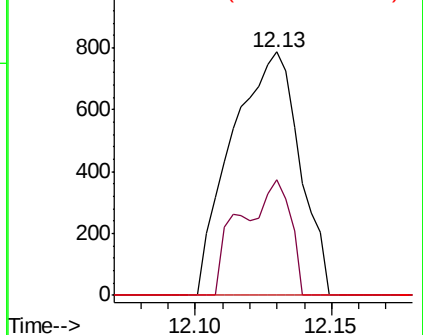
#71
Bromoform
Concen: 1.018 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.01 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:173 Resp: 1359
Ion Ratio Lower Upper
173 100
175 34.8 23.8 71.4
254 0.0 0.0 0.0

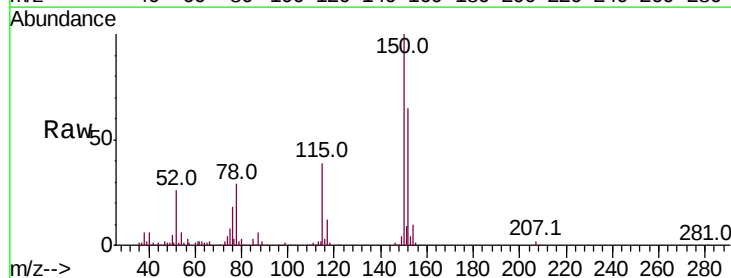


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

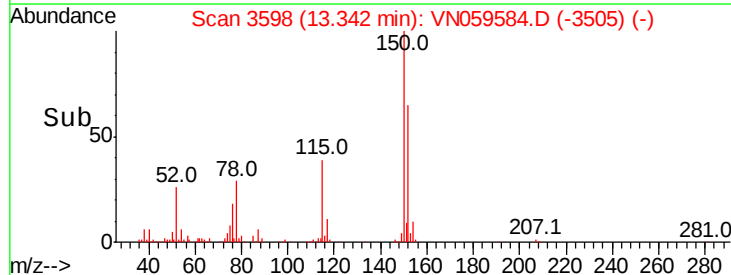
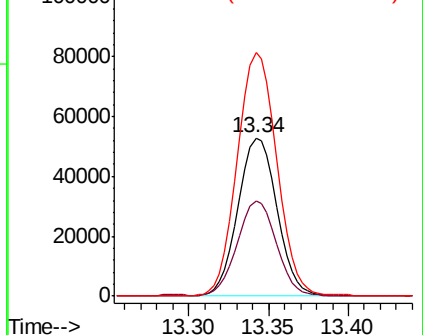


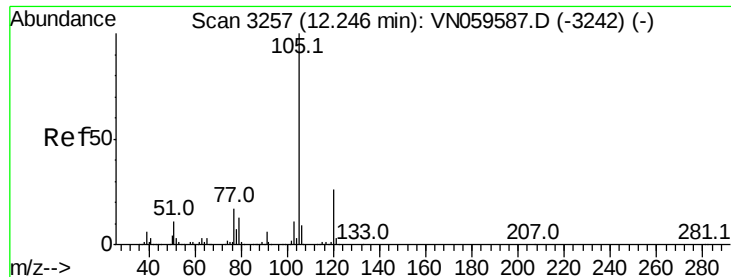
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059584.D
Acq: 13 Dec 2019 15:38

Tgt Ion:152 Resp: 88077
Ion Ratio Lower Upper
152 100
115 60.7 30.3 90.9
150 156.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.059 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

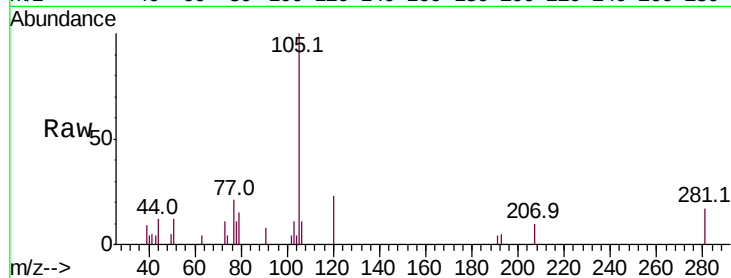
VSTDIC001

Tot Ion:105 Resp: 7291

Ion Ratio Lower Upper

105 100

120 22.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

4000

3000

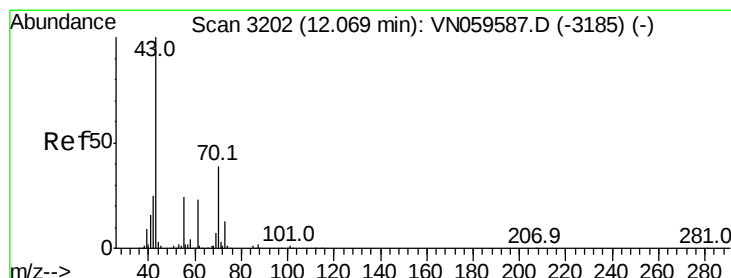
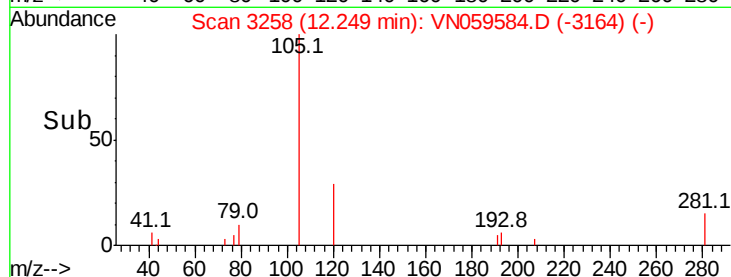
2000

1000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.098 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Tgt Ion: 43 Resp: 3312

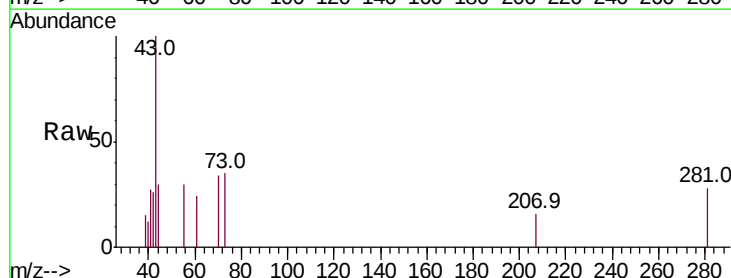
Ion Ratio Lower Upper

43 100

70 27.1 31.3 46.9#

55 24.8 19.8 29.6

61 20.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

2000

1500

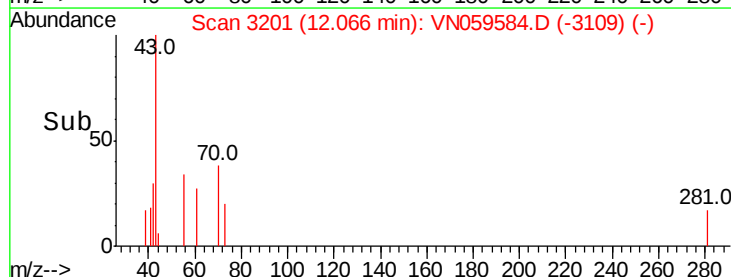
1000

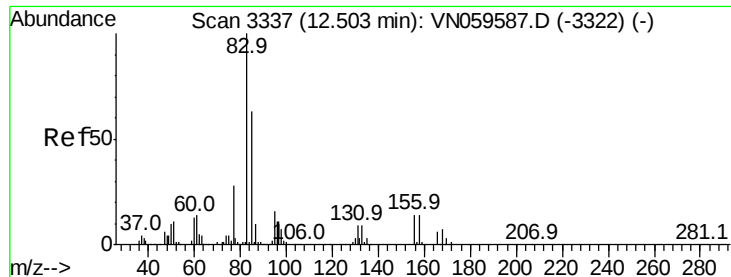
500

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 1.059 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

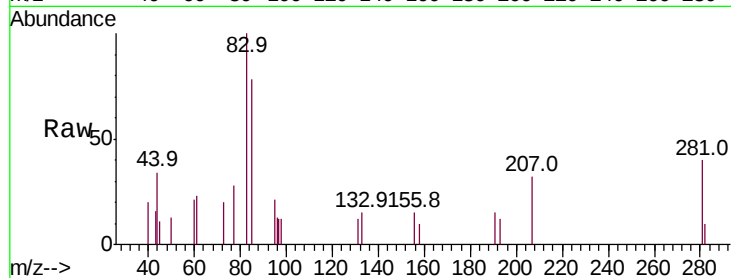
Tot Ion: 83 Resp: 2434

Ion Ratio Lower Upper

83 100

131 7.1 5.0 14.9

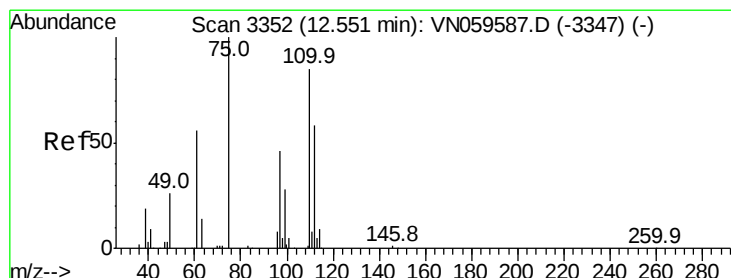
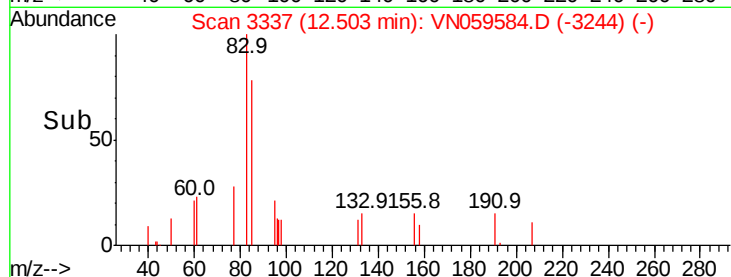
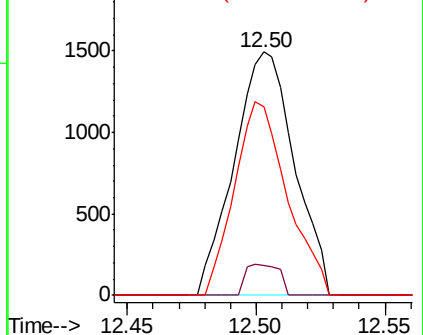
85 69.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.684 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059584.D

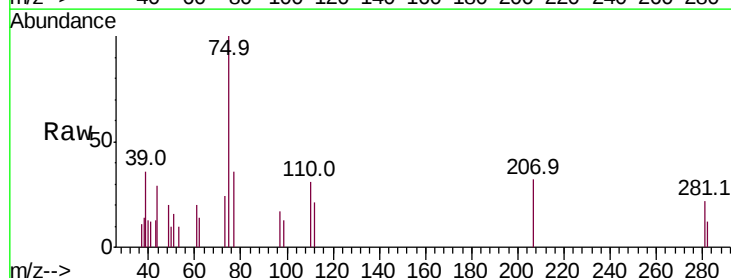
Acq: 13 Dec 2019 15:38

Tgt Ion: 75 Resp: 3902

Ion Ratio Lower Upper

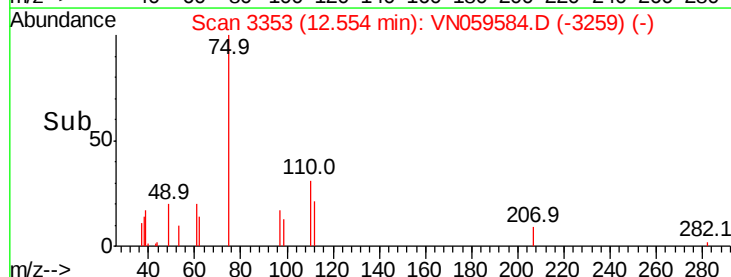
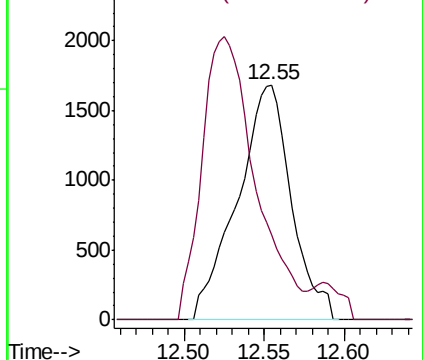
75 100

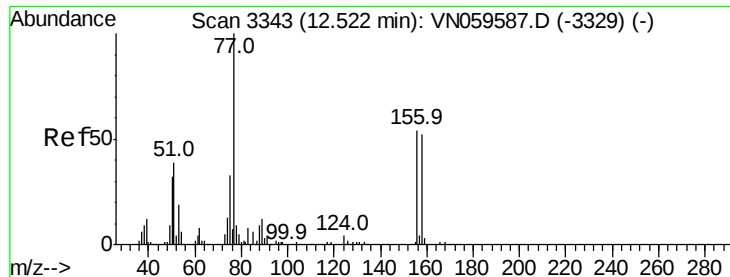
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)





#77

Bromobenzene

Concen: 1.145 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

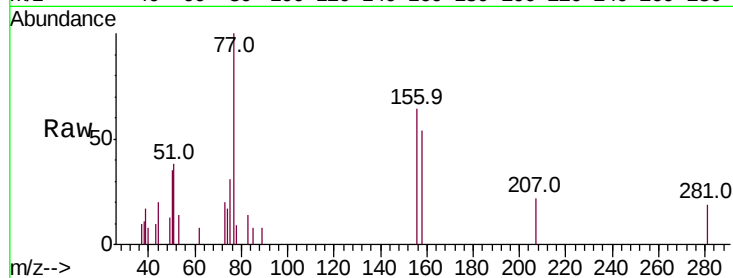
Tot Ion:156 Resp: 1933

Ion Ratio Lower Upper

156 100

77 242.8 115.8 347.4

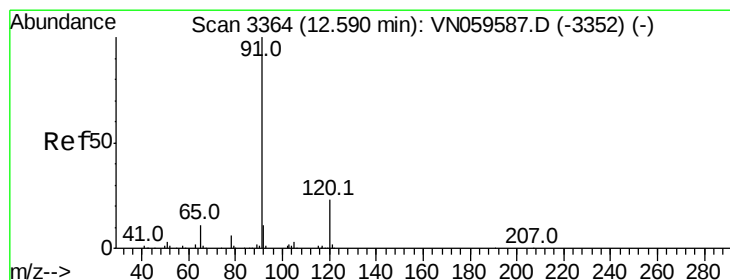
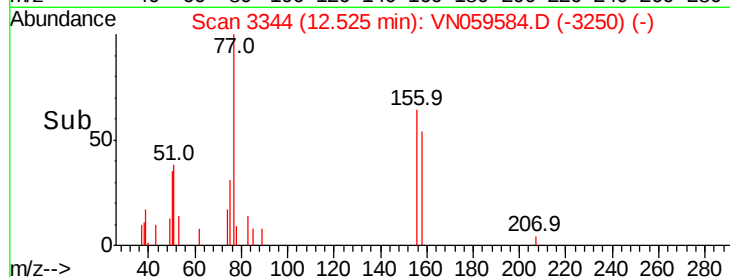
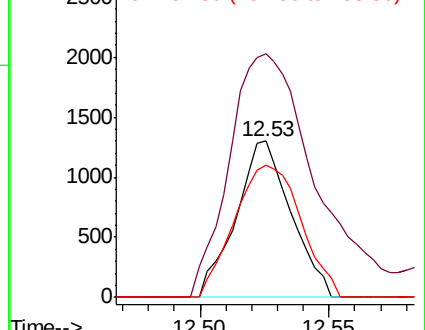
158 102.6 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.009 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059584.D

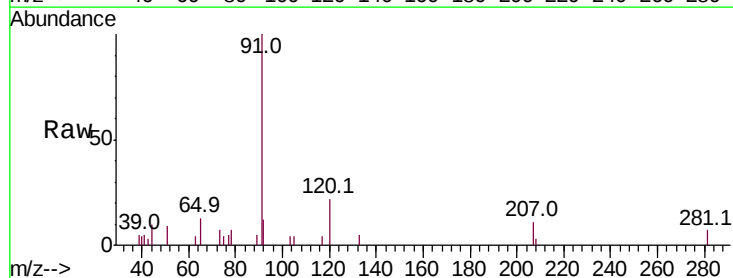
Acq: 13 Dec 2019 15:38

Tgt Ion: 91 Resp: 8441

Ion Ratio Lower Upper

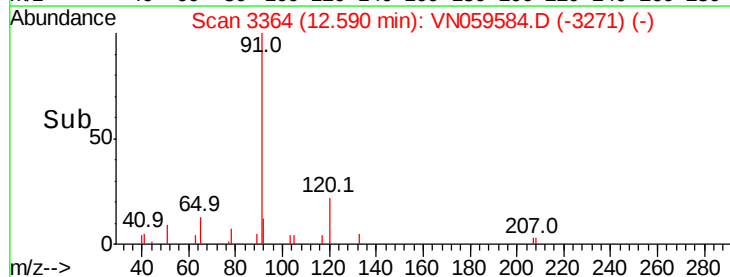
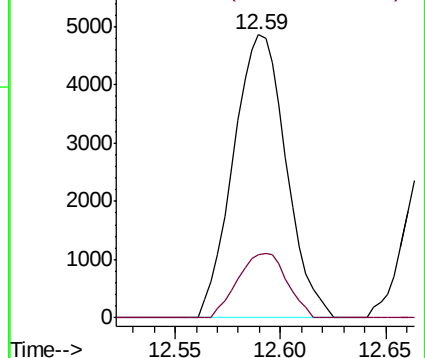
91 100

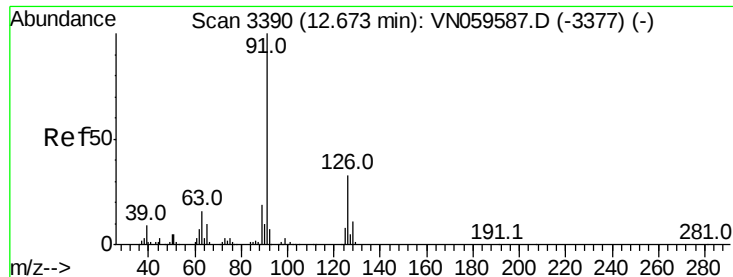
120 21.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

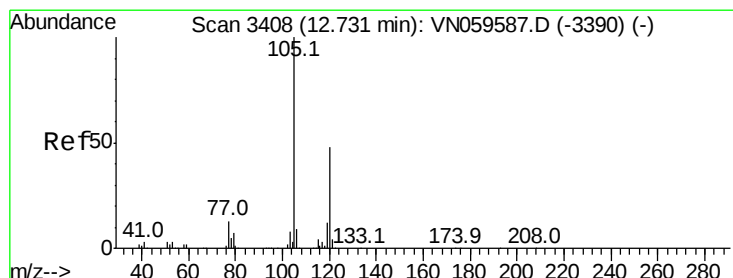
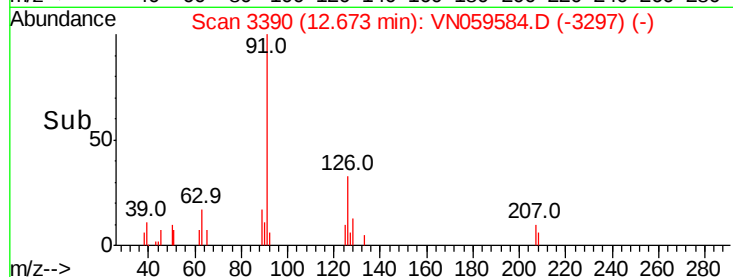
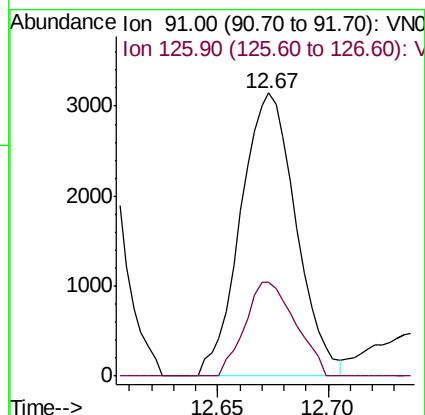
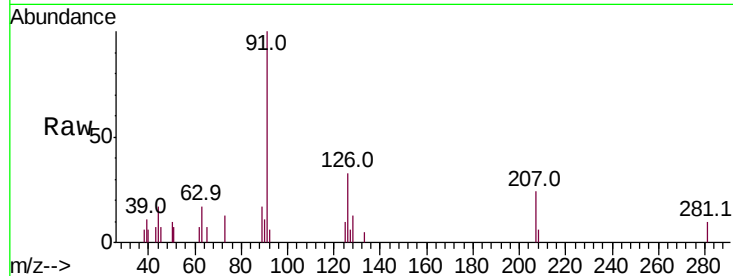




#79
 2-Chlorotoluene
 Concen: 1.100 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

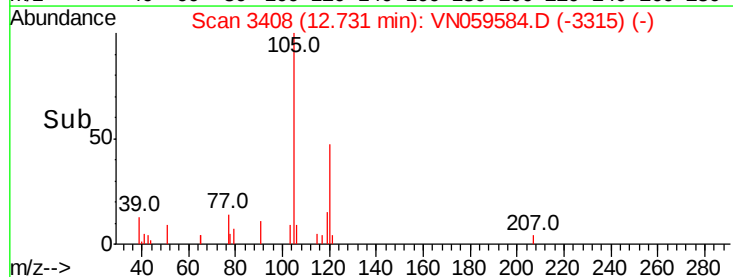
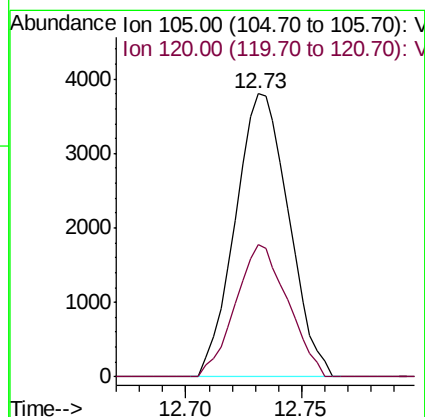
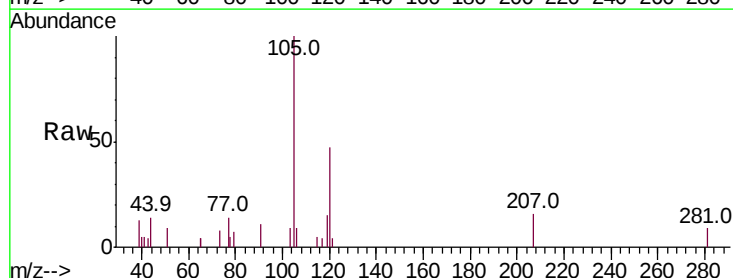
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

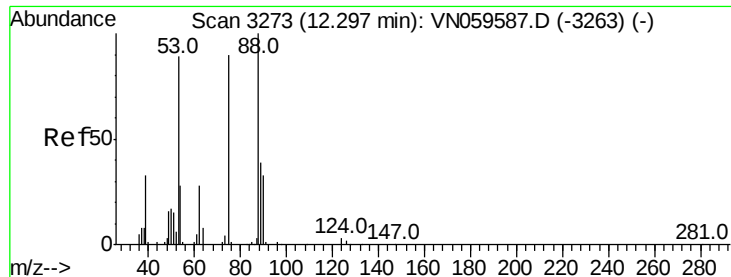
Tot Ion: 91 Resp: 5493
 Ion Ratio Lower Upper
 91 100
 126 30.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 1.045 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion: 105 Resp: 6087
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.999 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

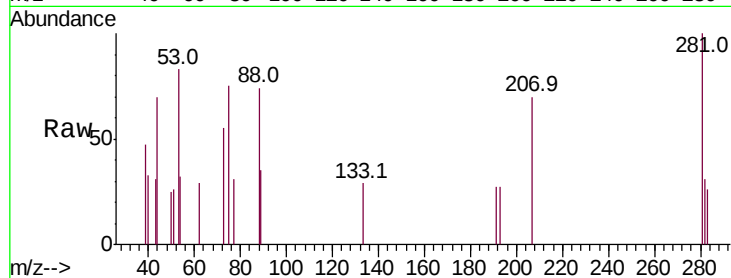
Tot Ion: 75 Resp: 877

Ion Ratio Lower Upper

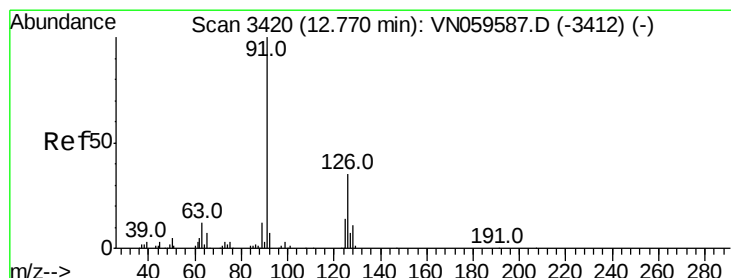
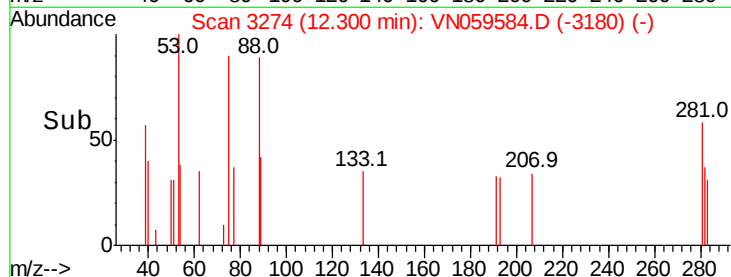
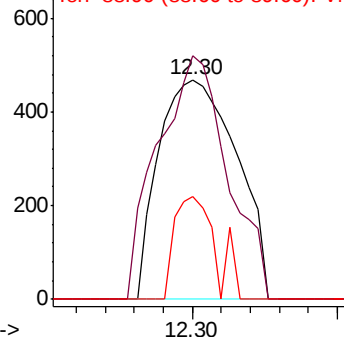
75 100

53 99.2 78.1 117.1

89 24.3 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 1.149 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059584.D

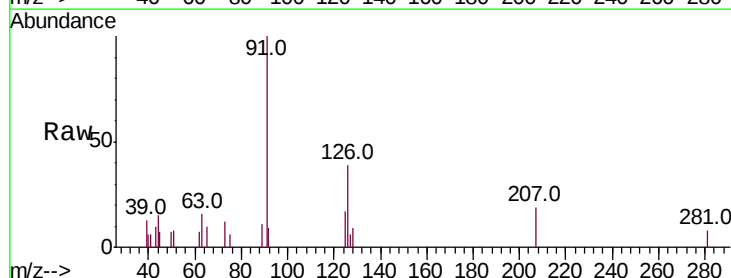
Acq: 13 Dec 2019 15:38

Tgt Ion: 91 Resp: 5846

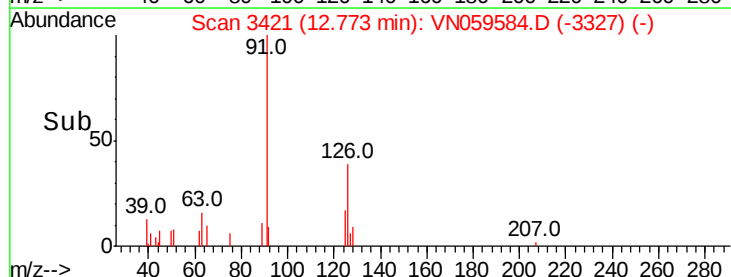
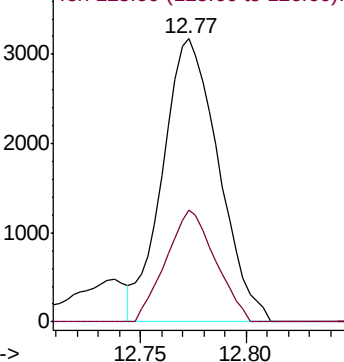
Ion Ratio Lower Upper

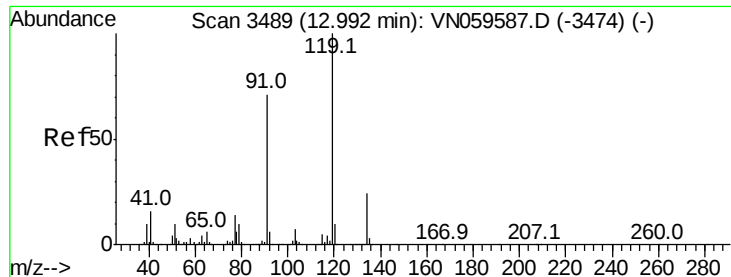
91 100

126 34.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.109 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

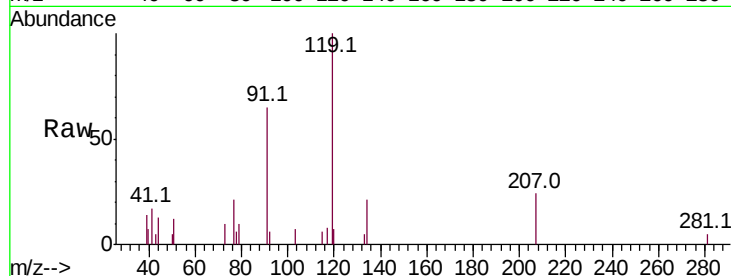
Tot Ion:119 Resp: 5379

Ion Ratio Lower Upper

119 100

91 67.5 34.8 104.4

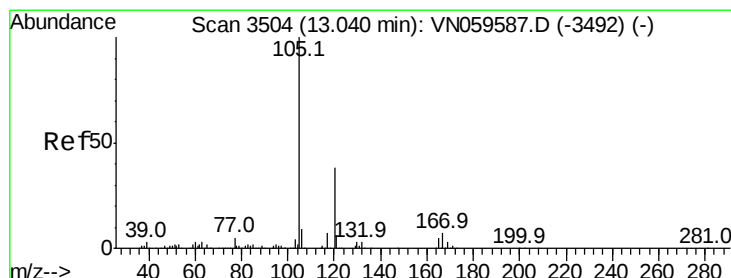
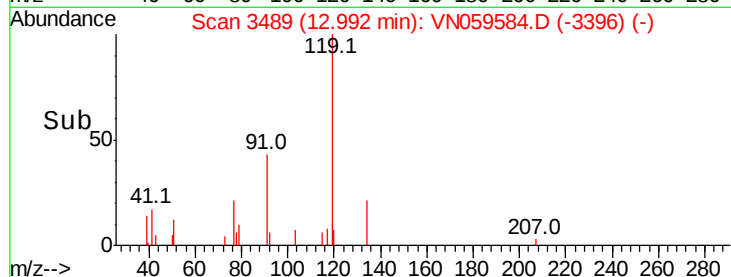
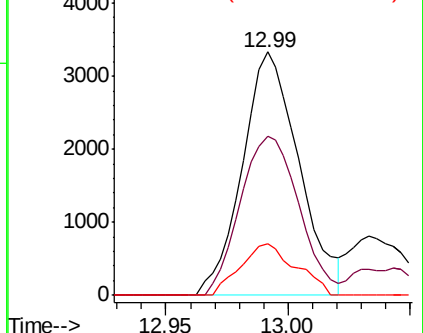
134 20.7 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.019 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059584.D

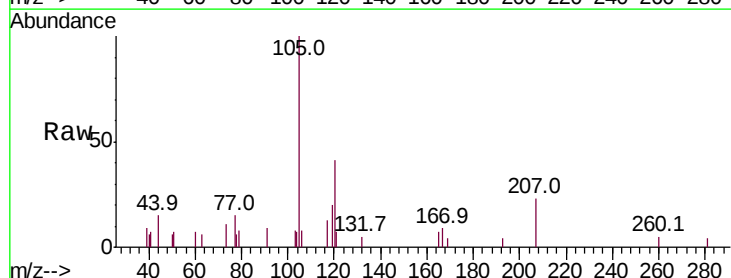
Acq: 13 Dec 2019 15:38

Tgt Ion:105 Resp: 5858

Ion Ratio Lower Upper

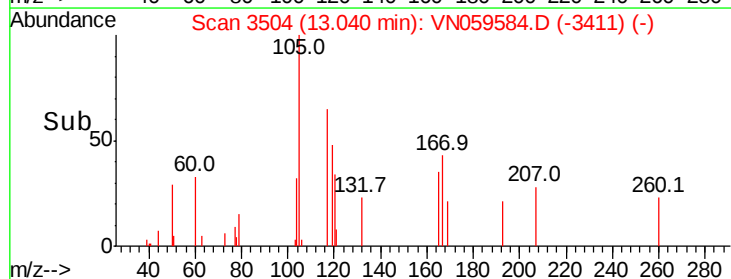
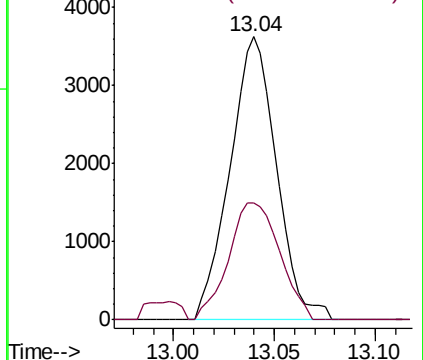
105 100

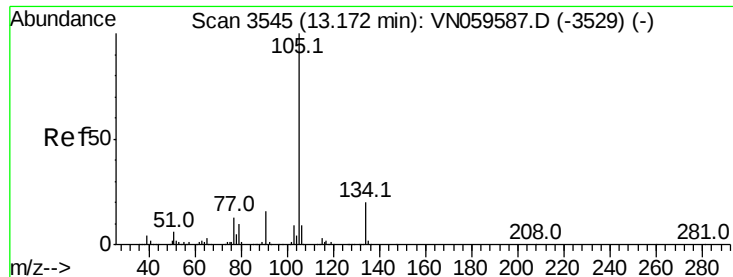
120 45.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.084 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

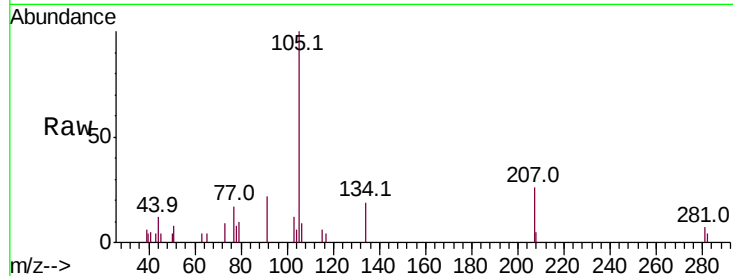
VSTDIC001

Tot Ion:105 Resp: 7203

Ion Ratio Lower Upper

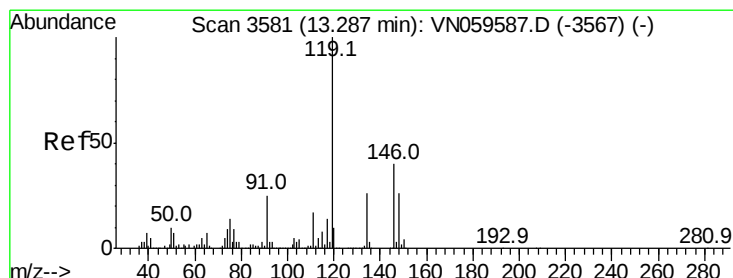
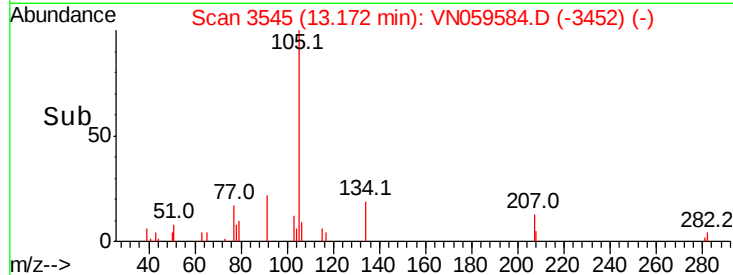
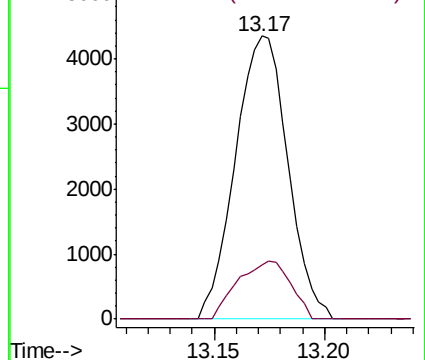
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.115 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

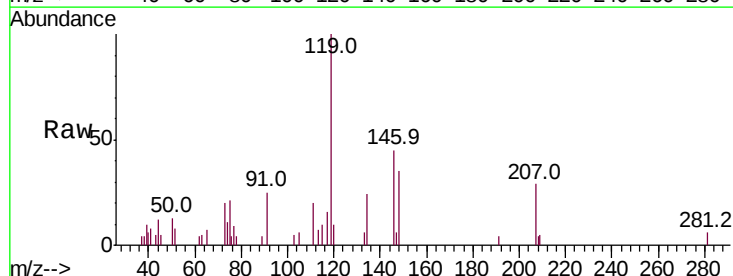
Tgt Ion:119 Resp: 6610

Ion Ratio Lower Upper

119 100

134 23.7 12.9 38.7

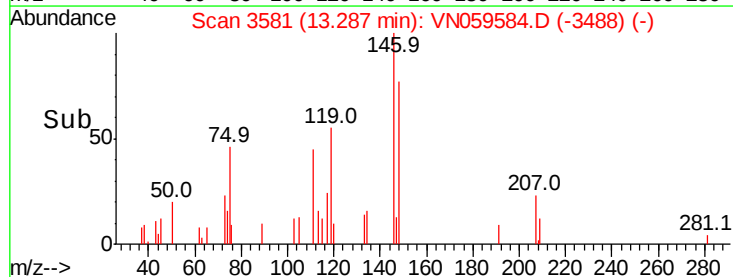
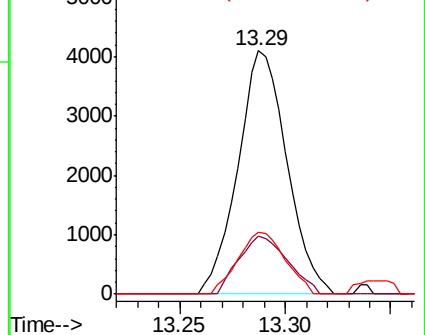
91 24.5 12.4 37.4

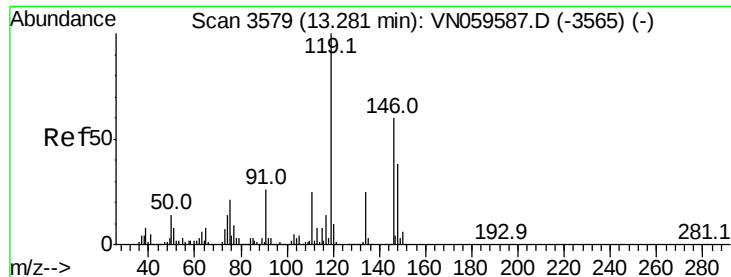


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.205 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

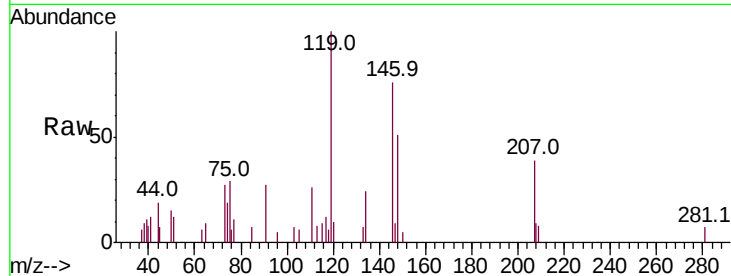
Tot Ion:146 Resp: 3728

Ion Ratio Lower Upper

146 100

111 37.3 20.8 62.2

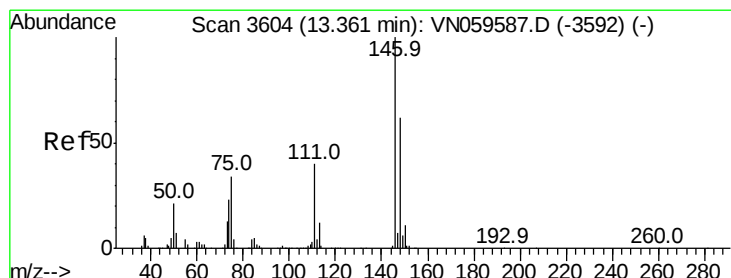
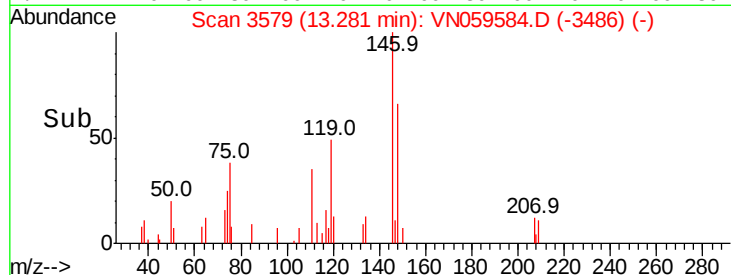
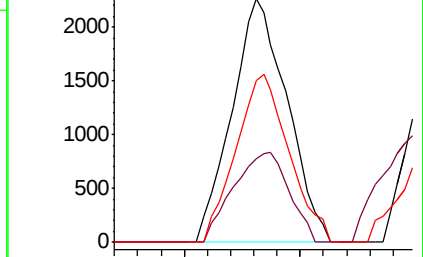
148 66.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.451 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

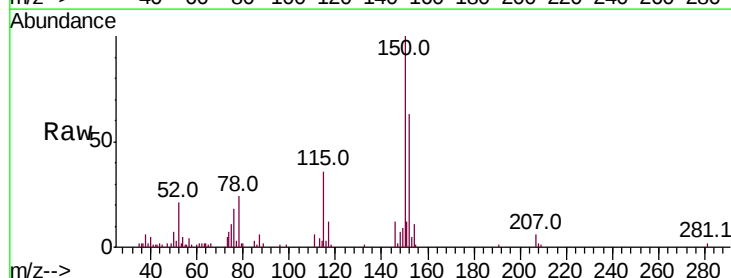
Tgt Ion:146 Resp: 4387

Ion Ratio Lower Upper

146 100

111 60.4 20.8 62.2

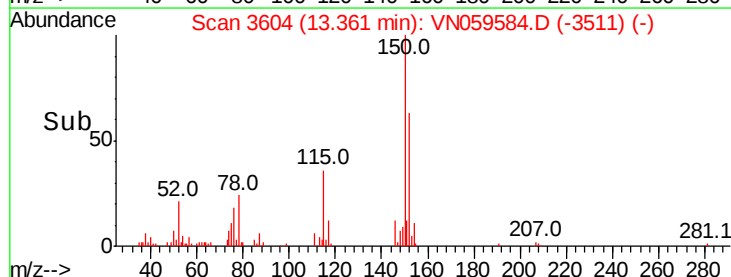
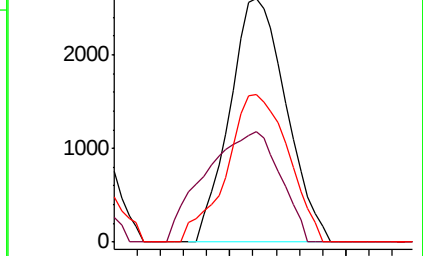
148 66.2 31.8 95.4

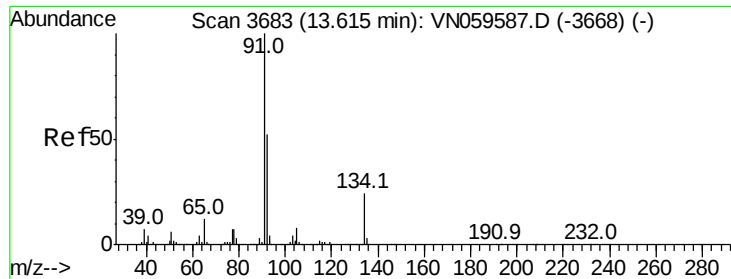


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.218 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

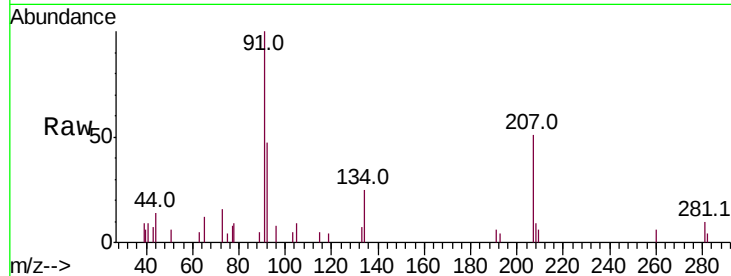
Tot Ion: 91 Resp: 6808

Ion Ratio Lower Upper

91 100

92 47.8 25.9 77.7

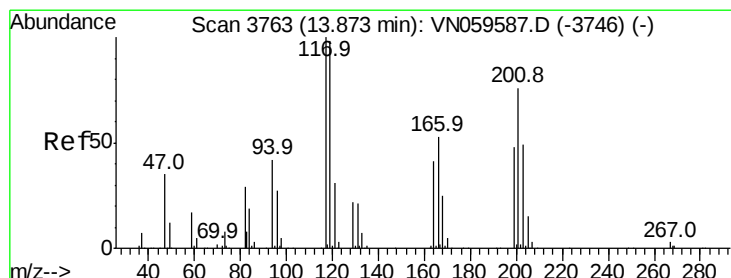
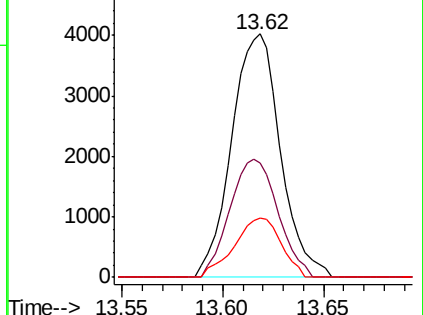
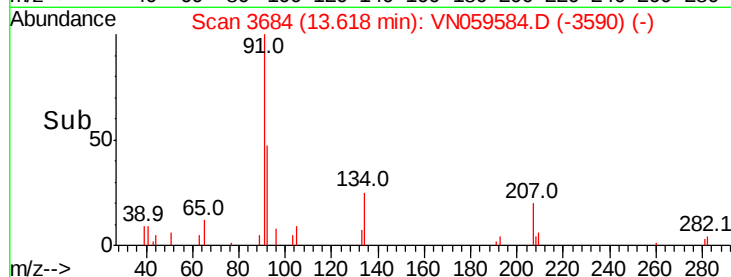
134 23.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.337 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059584.D

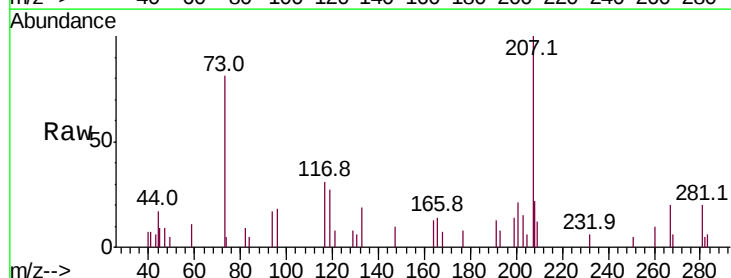
Acq: 13 Dec 2019 15:38

Tgt Ion: 117 Resp: 1465

Ion Ratio Lower Upper

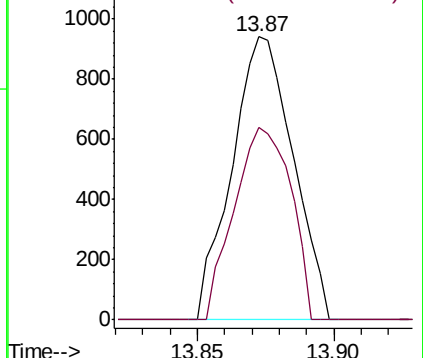
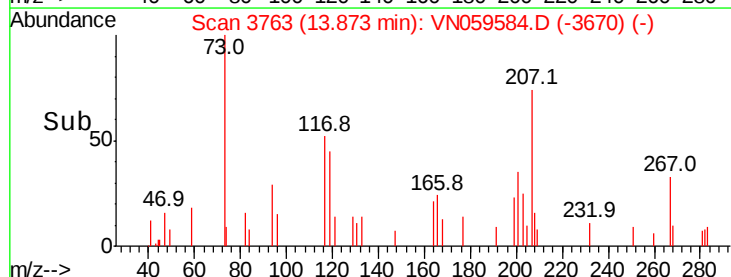
117 100

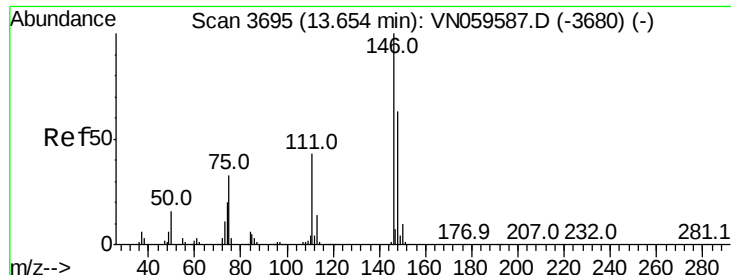
201 63.1 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

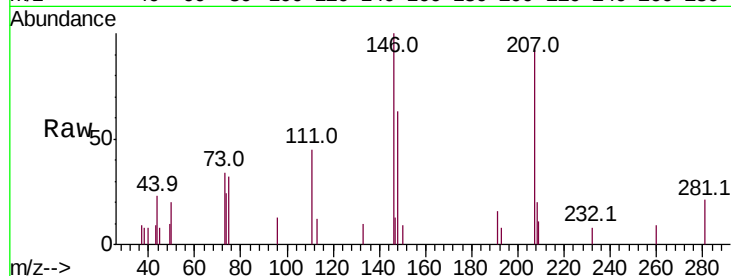




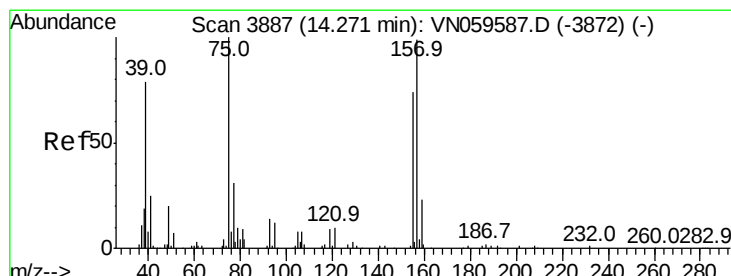
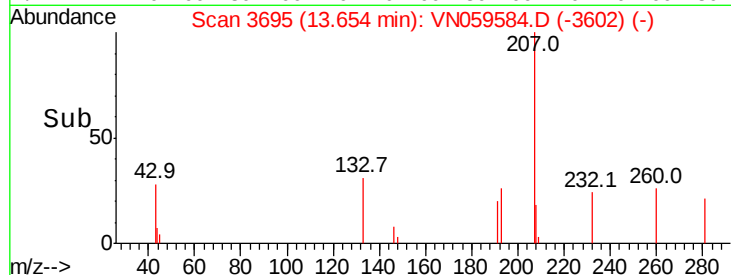
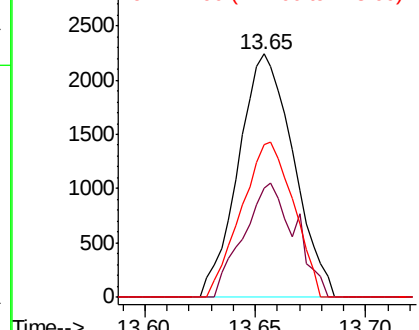
#91
 1,2-Dichlorobenzene
 Concen: 1.333 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 3885
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.6 64.8
 148 60.4 31.6 95.0

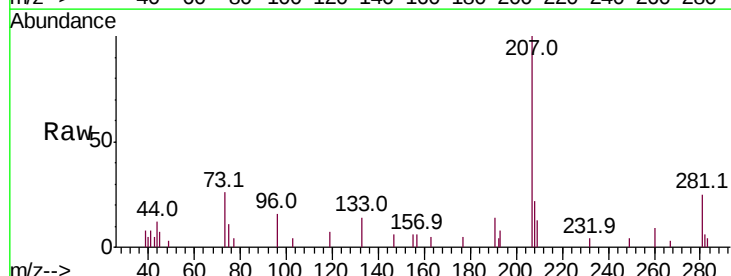


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

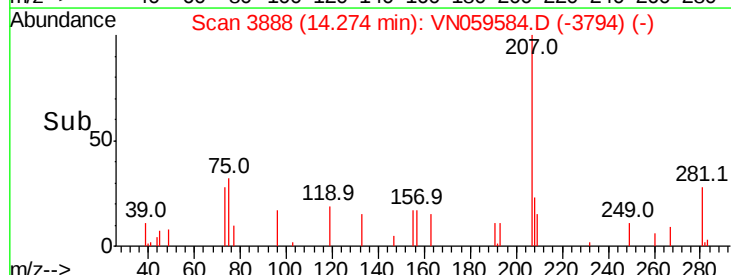
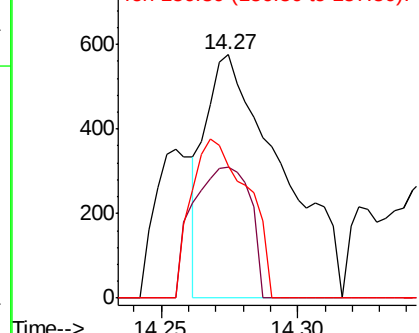


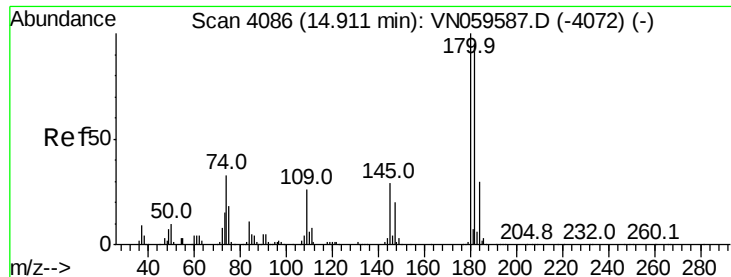
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.902 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059584.D
 Acq: 13 Dec 2019 15:38

Tgt Ion: 75 Resp: 1108
 Ion Ratio Lower Upper
 75 100
 155 40.9 37.0 110.9
 157 48.6 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 1.669 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

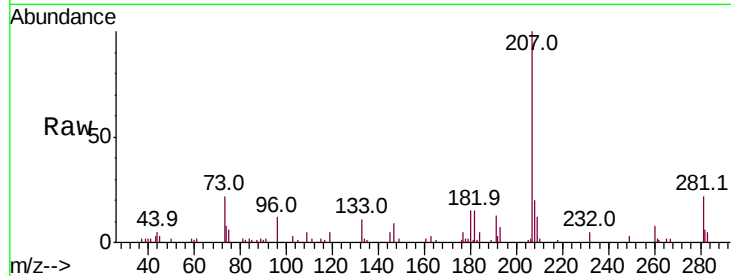
Tot Ion:180 Resp: 3310

Ion Ratio Lower Upper

180 100

182 98.3 46.9 140.7

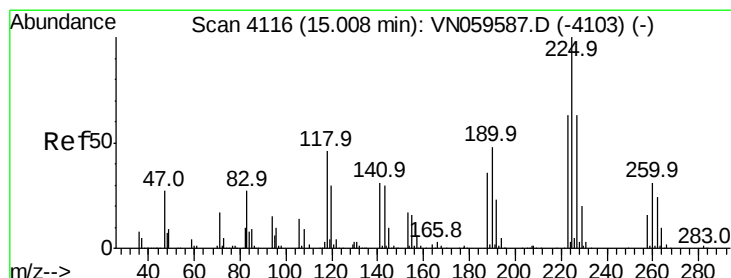
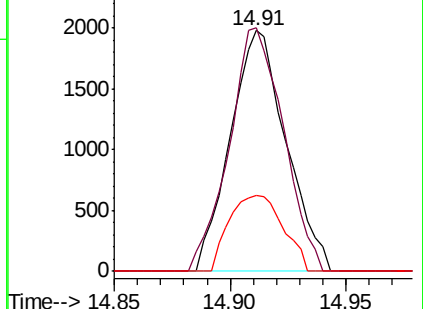
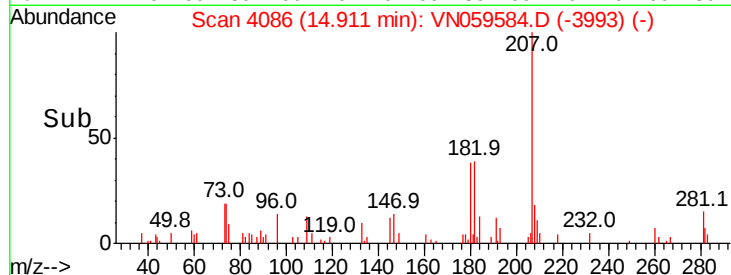
145 30.6 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 2.129 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

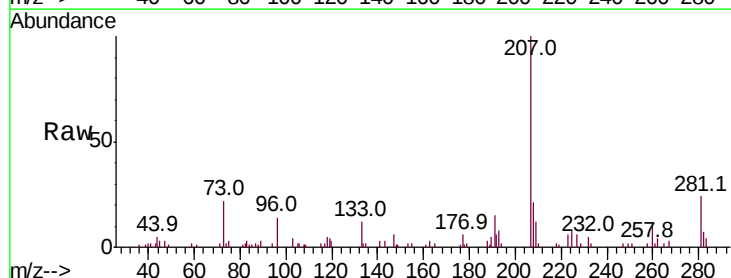
Tgt Ion:225 Resp: 2131

Ion Ratio Lower Upper

225 100

223 76.2 31.8 95.3

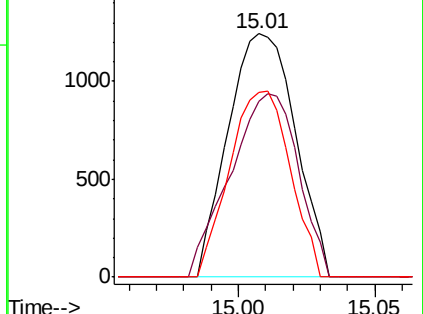
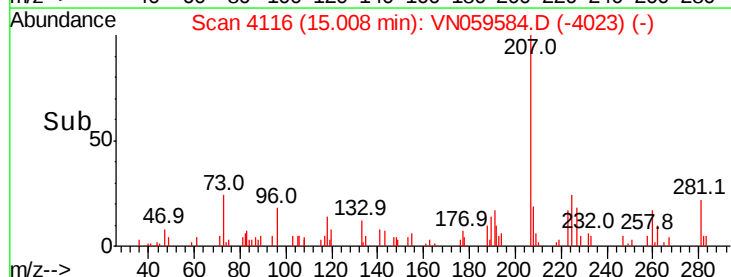
227 68.8 32.1 96.5

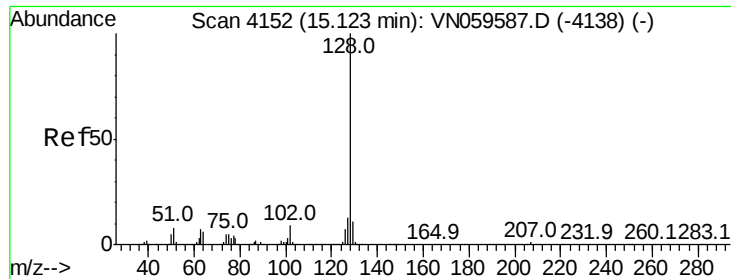


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.177 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.01 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

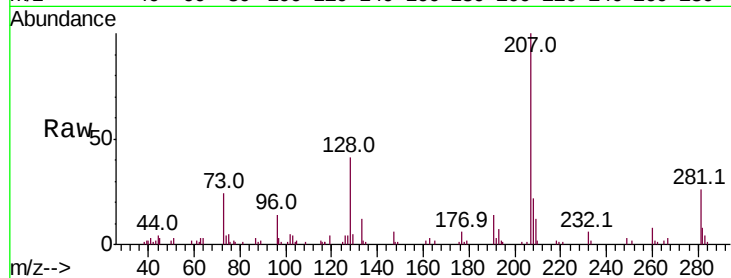
Tot Ion:128 Resp: 12720

Ion Ratio Lower Upper

128 100

127 11.9 10.4 15.6

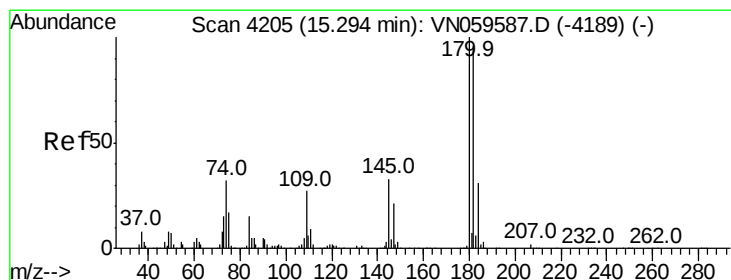
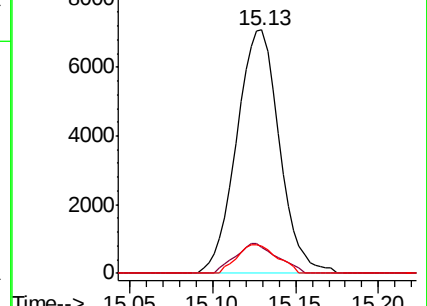
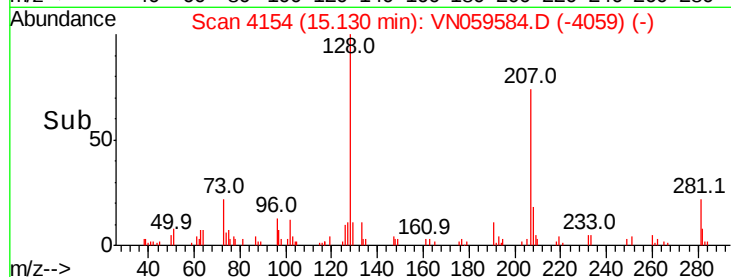
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.084 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059584.D

Acq: 13 Dec 2019 15:38

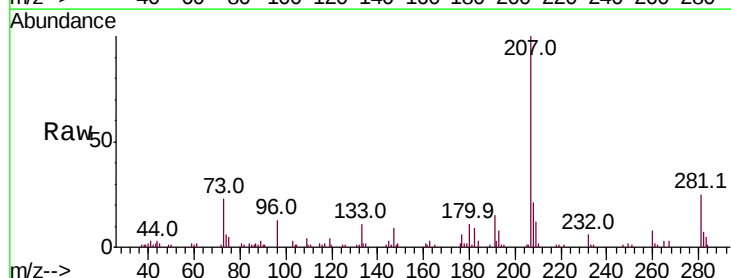
Tgt Ion:180 Resp: 4247

Ion Ratio Lower Upper

180 100

182 87.2 47.4 142.3

145 41.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

