

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059588.D
 Acq On : 13 Dec 2019 17:06
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 17:27:15 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	252034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	404538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	377103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	340515	94.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.14%	
35) Dibromofluoromethane	7.57	113	242464	98.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.42%	
50) Toluene-d8	10.08	98	959118	94.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.92%	
62) 4-Bromofluorobenzene	12.40	95	361702	99.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	356930	119.110	ug/l	100
3) Chloromethane	2.04	50	563682	122.849	ug/l	100
4) Vinyl Chloride	2.17	62	530420	118.492	ug/l	98
5) Bromomethane	2.52	94	289201	105.708	ug/l	97
6) Chloroethane	2.67	64	309412	116.514	ug/l	100
7) Trichlorofluoromethane	2.99	101	584479	109.654	ug/l	99
8) Diethyl Ether	3.38	74	194687	107.387	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	304121	110.555	ug/l	100
10) Methyl Iodide	3.92	142	423744	112.708	ug/l	99
11) Tert butyl alcohol	4.75	59	394806	645.755	ug/l	100
12) 1,1-Dichloroethene	3.71	96	292808	108.878	ug/l	95
13) Acrolein	3.58	56	250043	717.326	ug/l	97
14) Allyl chloride	4.29	41	598502	116.017	ug/l	99
15) Acrylonitrile	4.95	53	961890	610.641	ug/l	100
16) Acetone	3.79	43	1204676	677.097	ug/l	100
17) Carbon Disulfide	4.02	76	919801	93.132	ug/l	100
18) Methyl Acetate	4.29	43	508350	114.766	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1087889	121.813	ug/l	99
20) Methylene Chloride	4.52	84	341270	100.141	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	326112	113.357	ug/l	99
22) Diisopropyl ether	5.92	45	1181376	120.347	ug/l	97
23) Vinyl Acetate	5.86	43	4738592	582.813	ug/l	99
24) 1,1-Dichloroethane	5.82	63	641463	114.963	ug/l	99
25) 2-Butanone	6.81	43	1553433	673.117	ug/l	99
26) 2,2-Dichloropropane	6.80	77	580635	115.102	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	371985	114.799	ug/l	98
28) Bromochloromethane	7.17	49	263663	145.103	ug/l	100
29) Tetrahydrofuran	7.18	42	928868	589.888	ug/l	100
30) Chloroform	7.35	83	640499	116.400	ug/l	99
31) Cyclohexane	7.63	56	594428	109.591	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	568545	116.414	ug/l	99
36) 1,1-Dichloropropene	7.77	75	498574	118.291	ug/l	99
37) Ethyl Acetate	6.90	43	577819	131.555	ug/l	100
38) Carbon Tetrachloride	7.75	117	502030	120.521	ug/l	98

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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)
39) Methylcyclohexane	9.07	83	580903	123.010	ug/l	99
40) Benzene	8.02	78	1414835	117.265	ug/l	99
41) Methacrylonitrile	7.18	41	839409	408.051	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	543362	120.630	ug/l	100
43) Isopropyl Acetate	8.14	43	930546	127.426	ug/l	99
44) Trichloroethene	8.82	130	366441	119.848	ug/l	100
45) 1,2-Dichloropropane	9.10	63	382541	119.760	ug/l	99
46) Dibromomethane	9.19	93	252667	119.364	ug/l	99
47) Bromodichloromethane	9.39	83	517301	123.192	ug/l	100
48) Methyl methacrylate	9.18	41	430977	134.430	ug/l	98
49) 1,4-Dioxane	9.18	88	128406	2994.384	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2783496	655.598	ug/l	97
52) Toluene	10.15	92	879916	122.210	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	608037	124.119	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	633573	126.179	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	347565	119.334	ug/l	99
56) Ethyl methacrylate	10.42	69	585289	135.974	ug/l	99
57) 1,3-Dichloropropane	10.70	76	608950	122.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	331219	242.980	ug/l	99
59) 2-Hexanone	10.74	43	2276832	707.614	ug/l	98
60) Dibromochloromethane	10.90	129	397379	125.850	ug/l	100
61) 1,2-Dibromoethane	11.00	107	374218	123.595	ug/l	98
64) Tetrachloroethene	10.63	164	394993	134.989	ug/l	98
65) Chlorobenzene	11.43	112	932594	115.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	354802	117.947	ug/l	99
67) Ethyl Benzene	11.51	91	1720303	118.900	ug/l	98
68) m/p-Xylenes	11.62	106	1290339	240.748	ug/l	96
69) o-Xylene	11.94	106	622684	124.429	ug/l	99
70) Styrene	11.96	104	1045850	126.197	ug/l	99
71) Bromoform	12.12	173	295968	126.914	ug/l #	99
73) Isopropylbenzene	12.25	105	1672348	113.077	ug/l	100
74) N-amyl acetate	12.07	43	847452	130.788	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	529920	107.365	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	786214	157.934	ug/l #	100
77) Bromobenzene	12.52	156	395278	108.964	ug/l	98
78) n-propylbenzene	12.59	91	1983616	110.334	ug/l	99
79) 2-Chlorotoluene	12.67	91	1176078	109.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1432576	114.473	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	222079	117.824	ug/l	100
82) 4-Chlorotoluene	12.77	91	1227360	112.285	ug/l	100
83) tert-Butylbenzene	12.99	119	1201359	115.333	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1443818	116.978	ug/l	99
85) sec-Butylbenzene	13.17	105	1635471	114.610	ug/l	100
86) p-Isopropyltoluene	13.29	119	1504154	118.137	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	743979	111.911	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	734119	113.021	ug/l	99
89) n-Butylbenzene	13.62	91	1422473	118.524	ug/l	99
90) Hexachloroethane	13.87	117	282147	119.916	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	718208	114.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134041	107.101	ug/l	98

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Quant Time: Dec 13 17:27:15 2019
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 17:23:03 2019
Response via : Initial Calibration

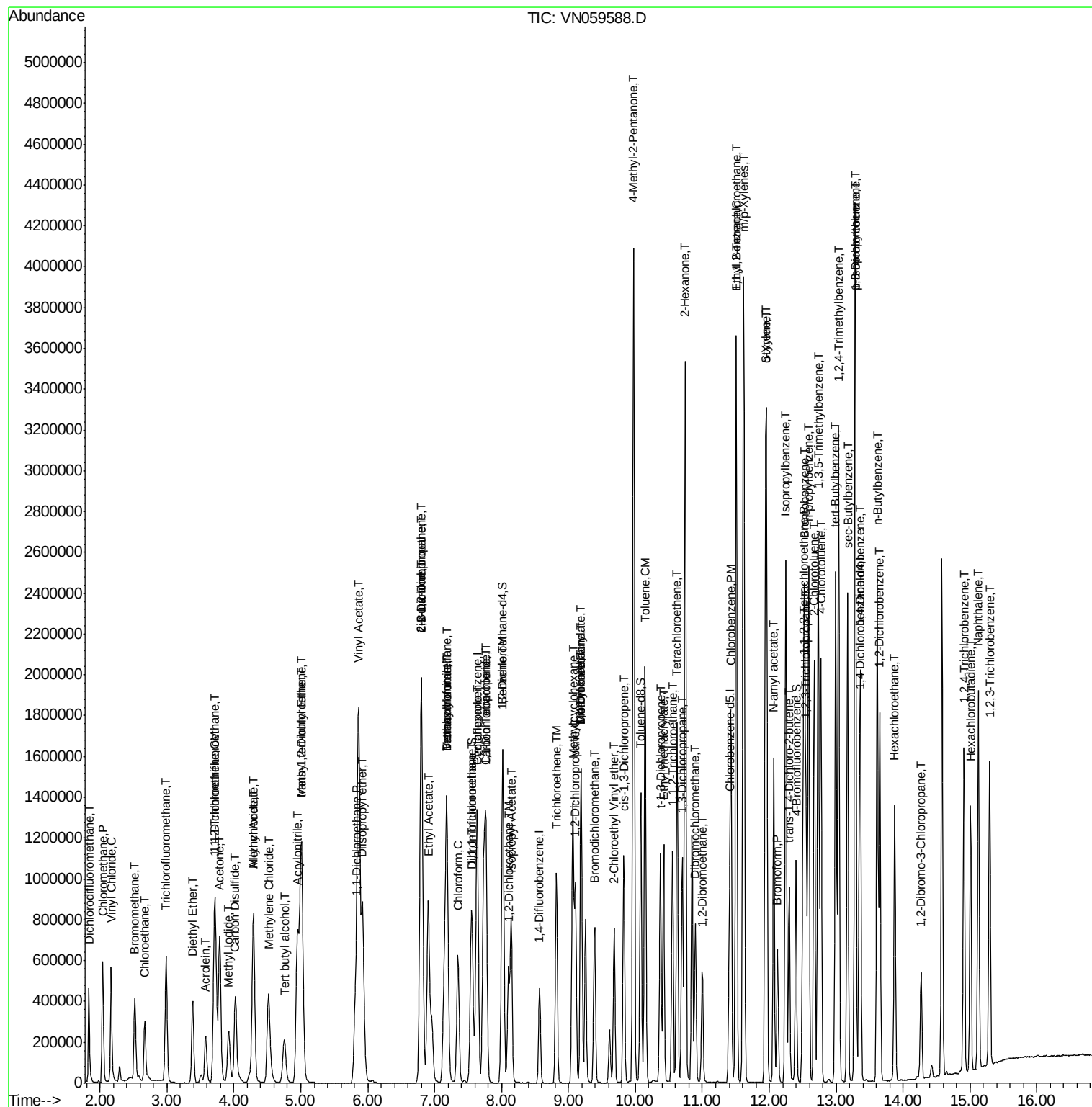
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	477092	112.007	ug/l	99
94) Hexachlorobutadiene	15.01	225	229605	106.772	ug/l	100
95) Naphthalene	15.12	128	1451447	115.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	457002	104.394	ug/l	99

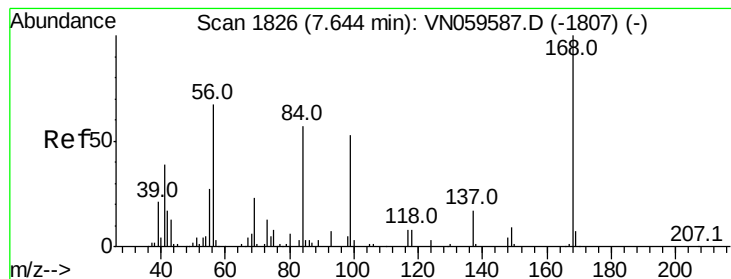
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121319\
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 ClientSampled :

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

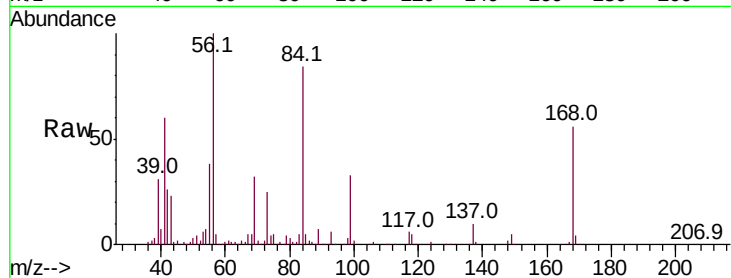
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 252034

Ion Ratio Lower Upper

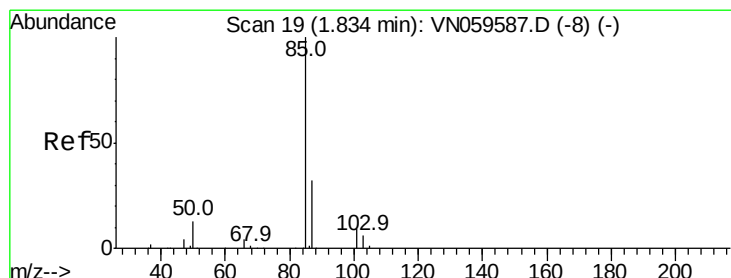
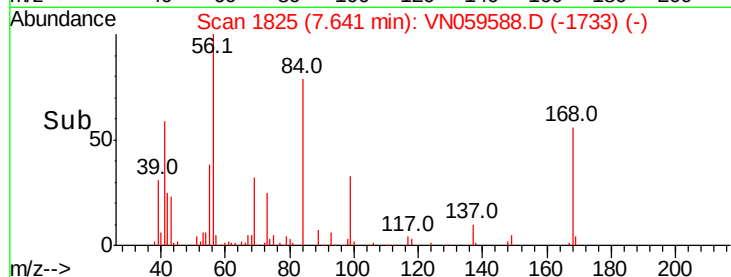
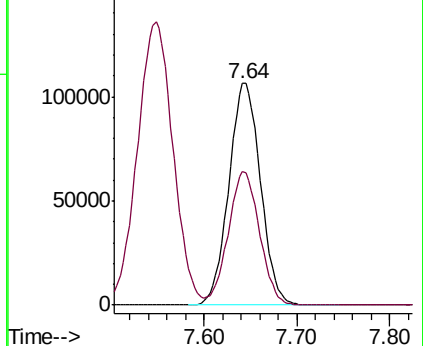
168 100

99 60.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 119.110 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059588.D

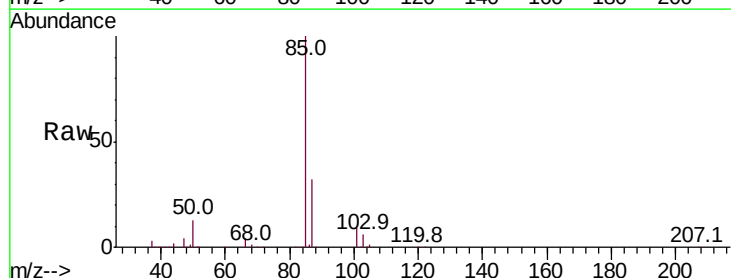
Acq: 13 Dec 2019 17:06

Tgt Ion: 85 Resp: 356930

Ion Ratio Lower Upper

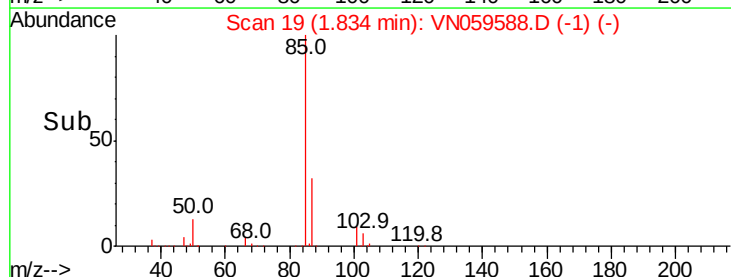
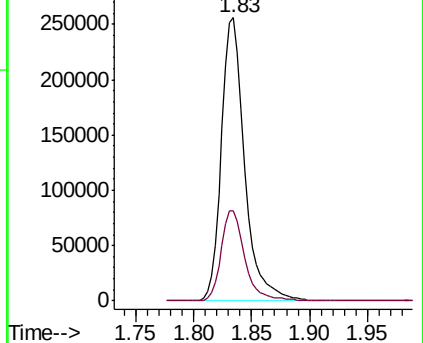
85 100

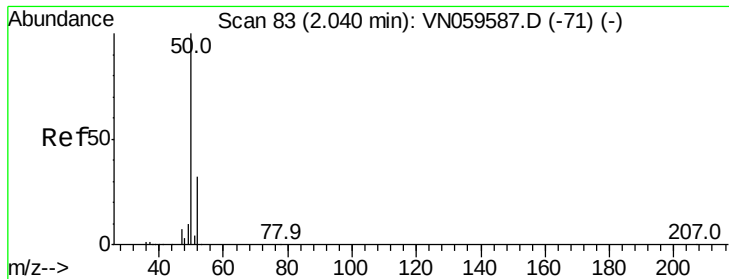
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 122.849 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

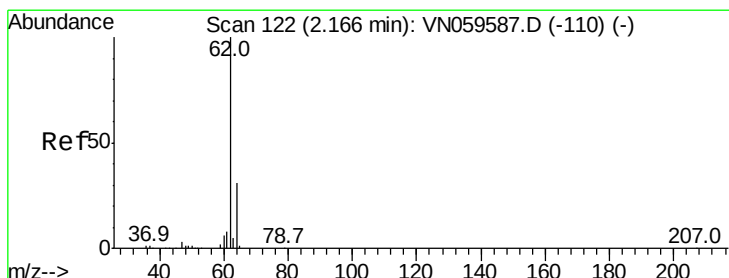
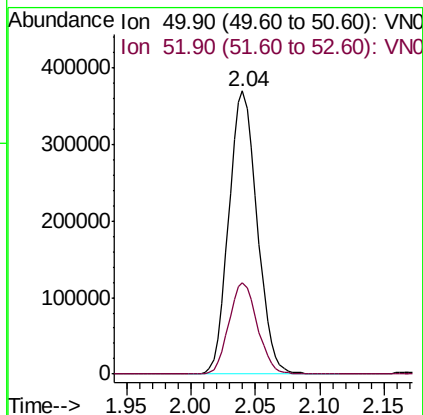
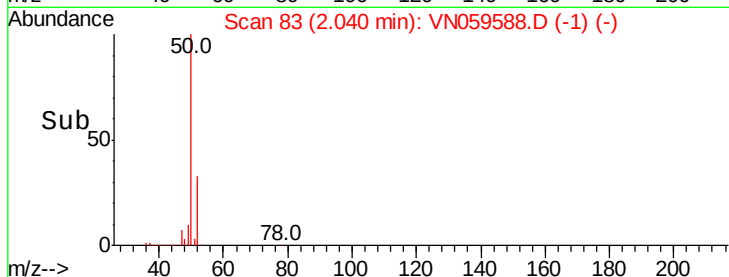
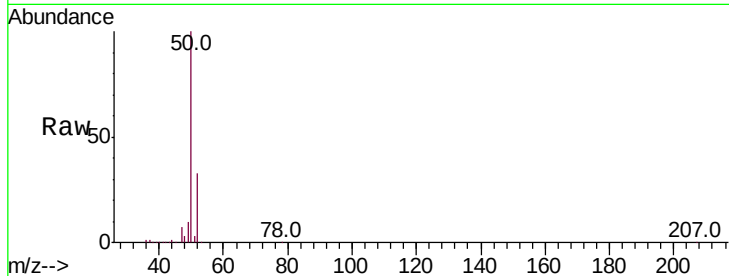
ClientSampleId :

Tot Ion: 50 Resp: 563682

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



#4

Vinyl Chloride

Concen: 118.492 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059588.D

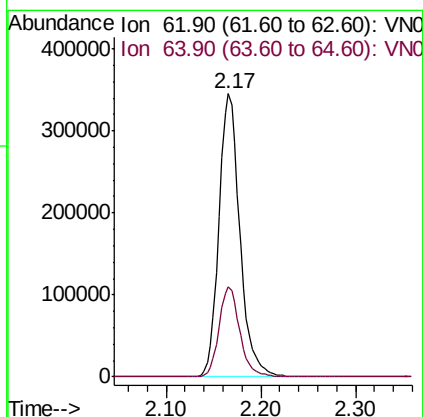
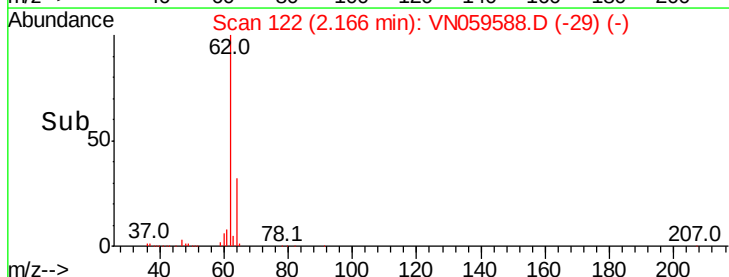
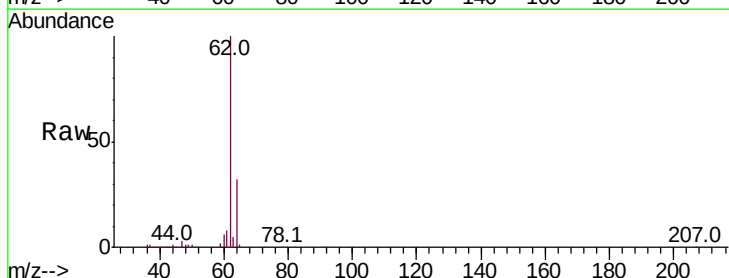
Acq: 13 Dec 2019 17:06

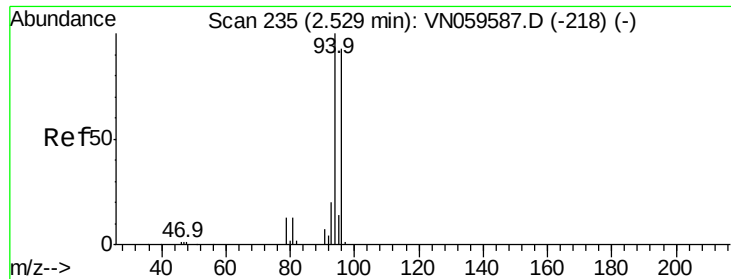
Tgt Ion: 62 Resp: 530420

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 105.708 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

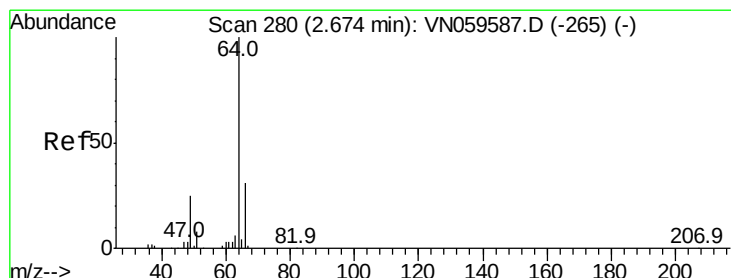
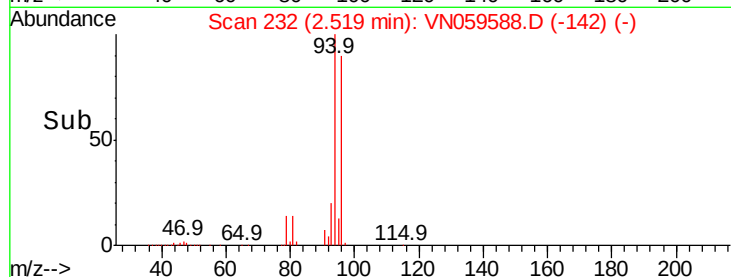
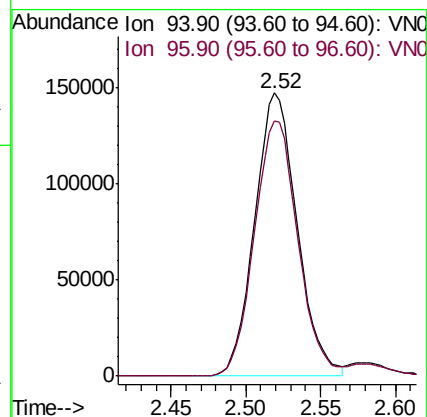
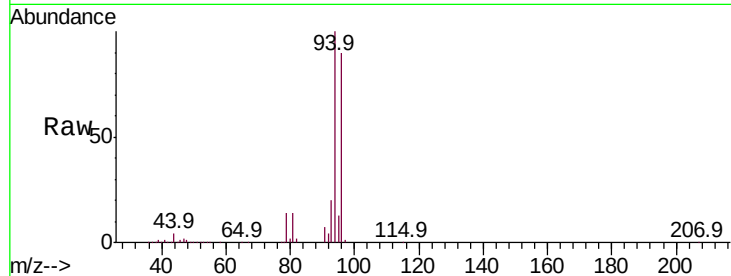
ClientSampleId :

Tot Ion: 94 Resp: 289201

Ion Ratio Lower Upper

94 100

96 90.4 74.7 112.1



#6

Chloroethane

Concen: 116.514 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059588.D

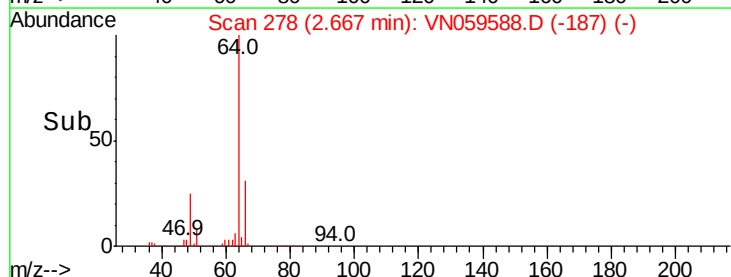
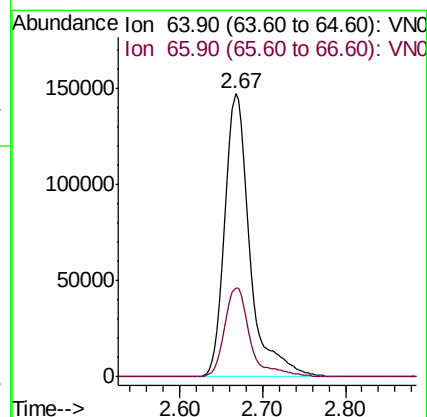
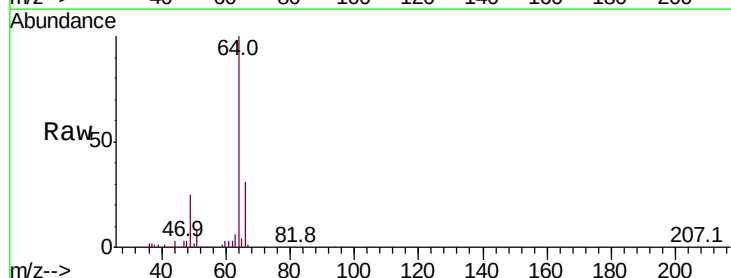
Acq: 13 Dec 2019 17:06

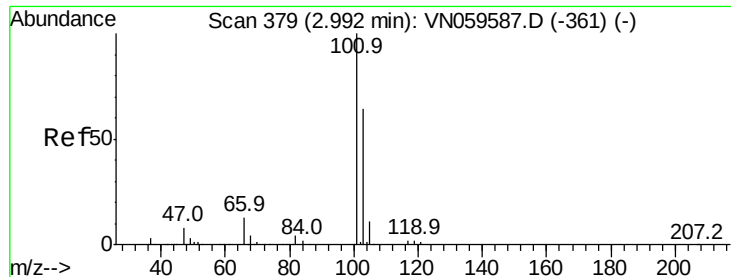
Tgt Ion: 64 Resp: 309412

Ion Ratio Lower Upper

64 100

66 31.5 25.1 37.7



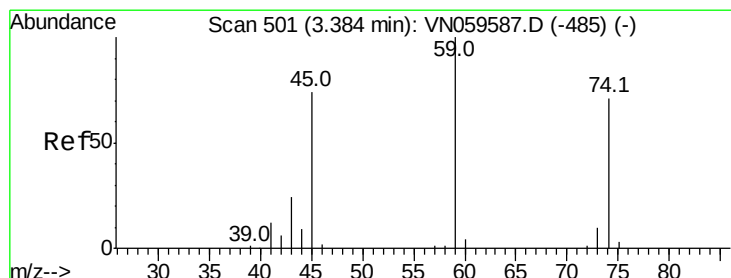
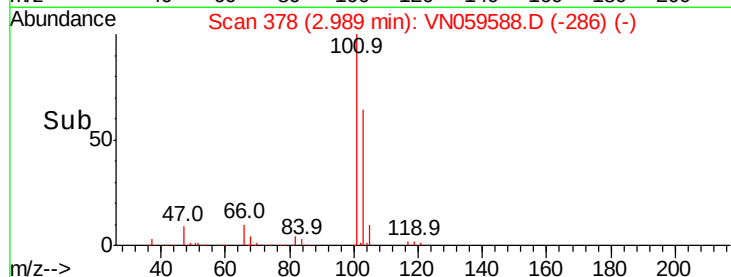
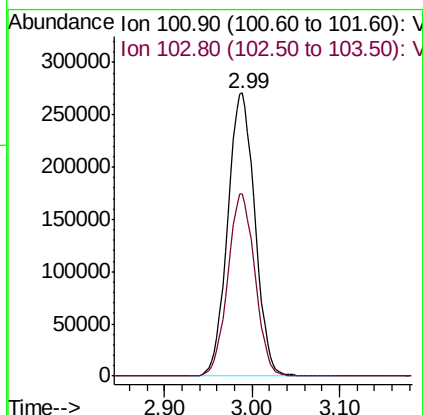
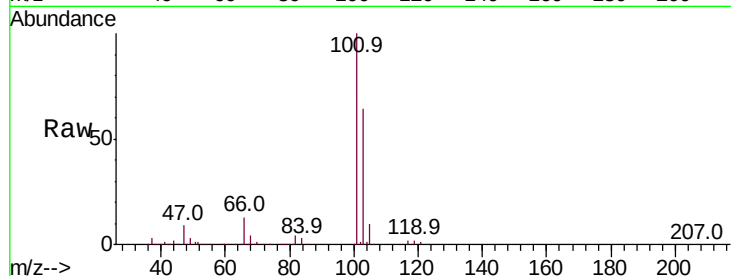


#7

Trichlorofluoromethane
 Concen: 109.654 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Instrument :
 MSVOA_N
 ClientSampled :

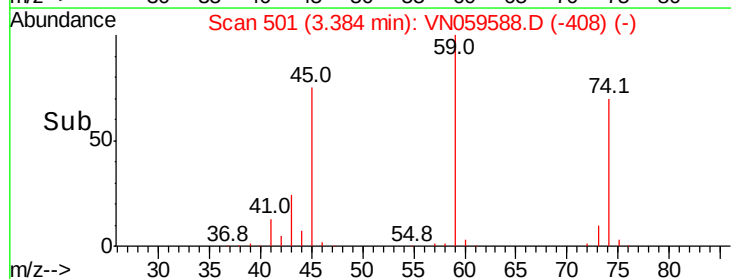
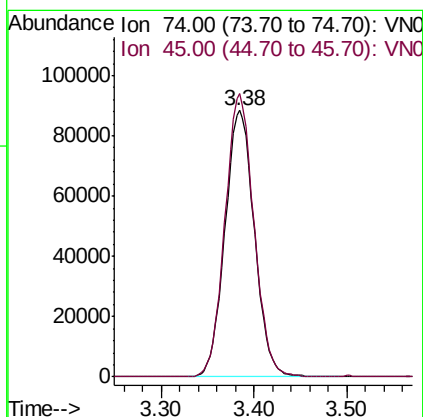
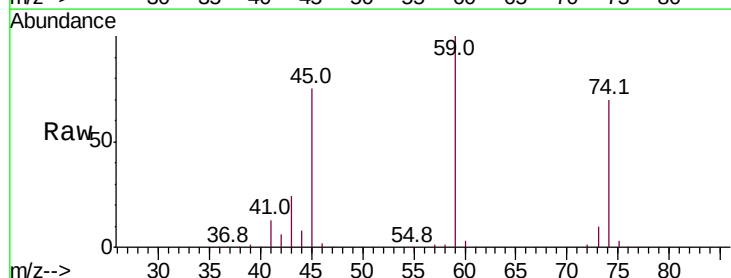
Tot Ion:101 Resp: 584479
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

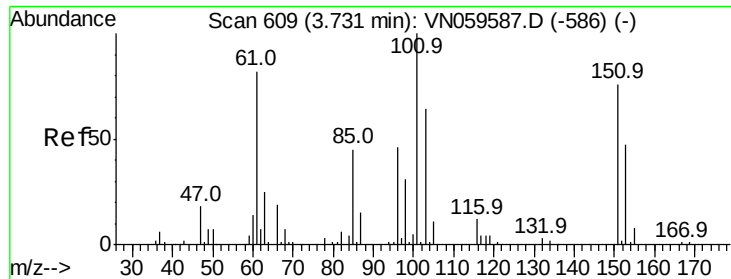


#8

Diethyl Ether
 Concen: 107.387 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion: 74 Resp: 194687
 Ion Ratio Lower Upper
 74 100
 45 104.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.555 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

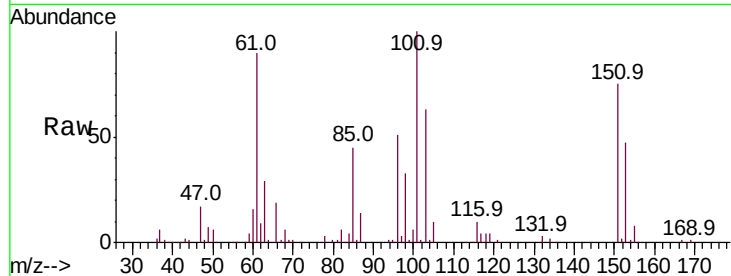
Tot Ion:101 Resp: 304121

Ion Ratio Lower Upper

101 100

85 45.6 36.6 54.8

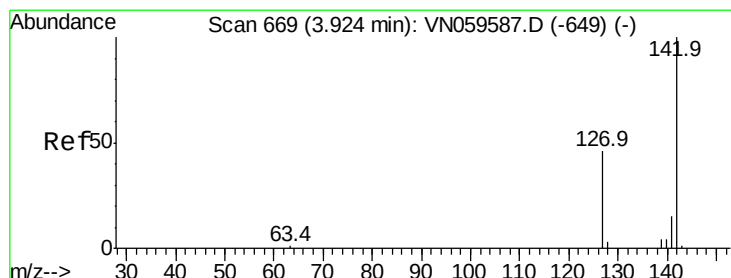
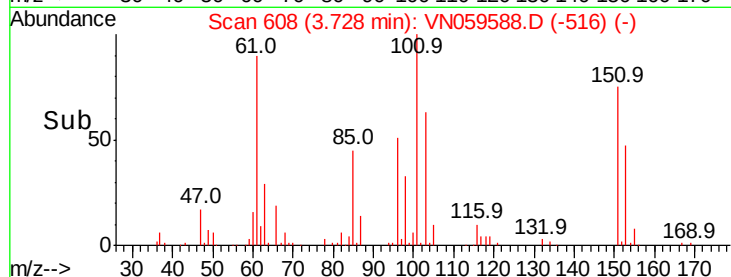
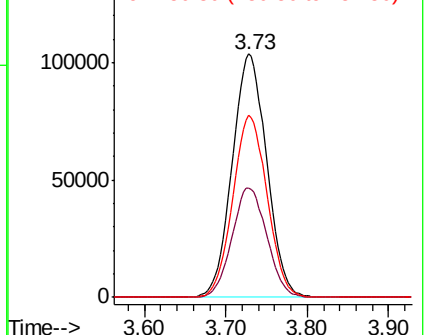
151 74.6 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 112.708 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

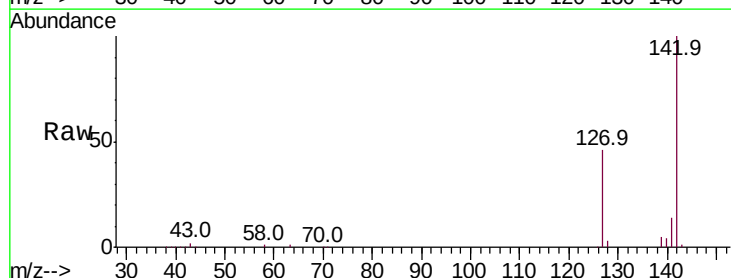
Tgt Ion:142 Resp: 423744

Ion Ratio Lower Upper

142 100

127 45.4 36.7 55.1

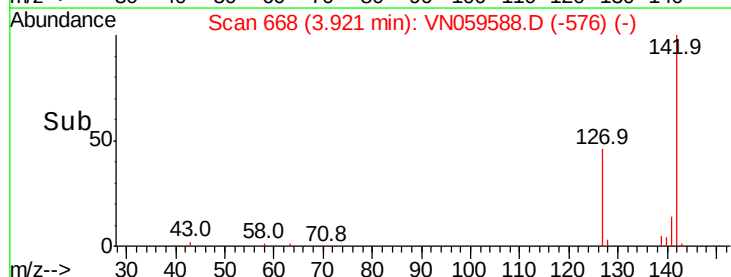
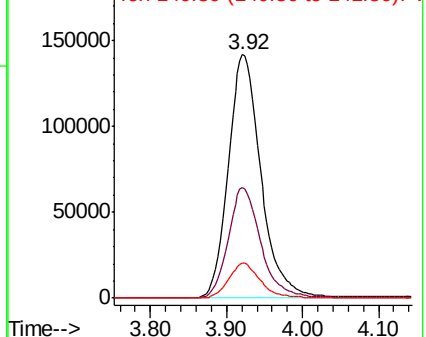
141 14.1 11.7 17.5

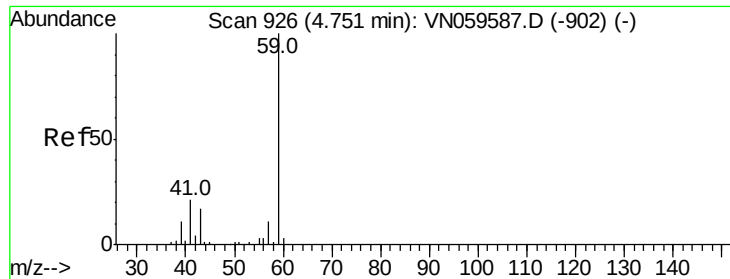


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

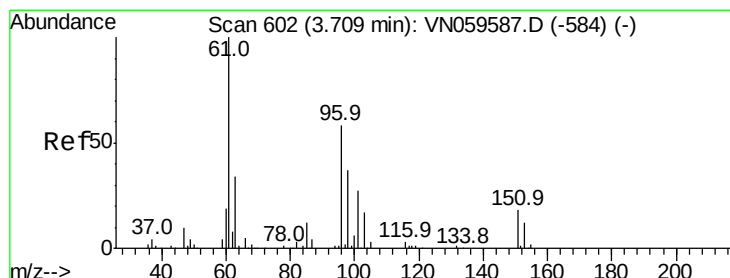
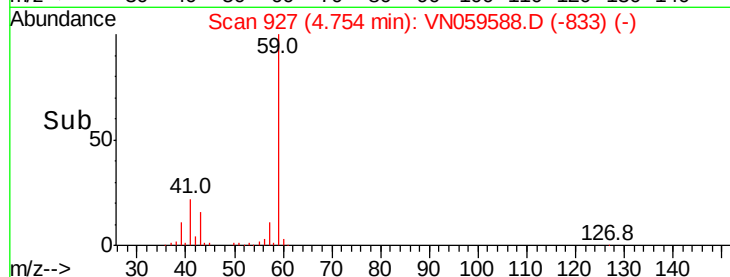
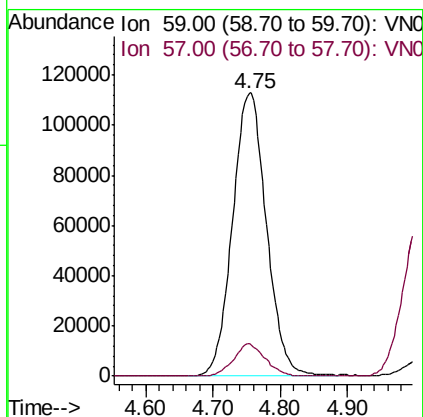
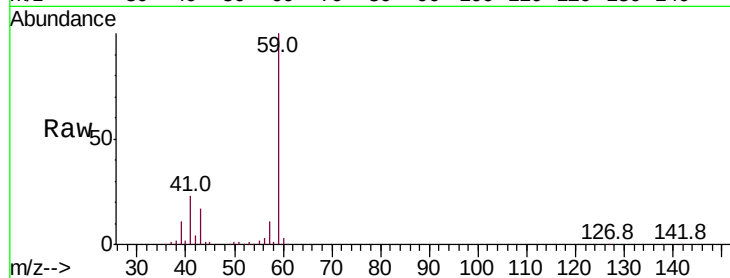




#11
Tert butyl alcohol
Concen: 645.755 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

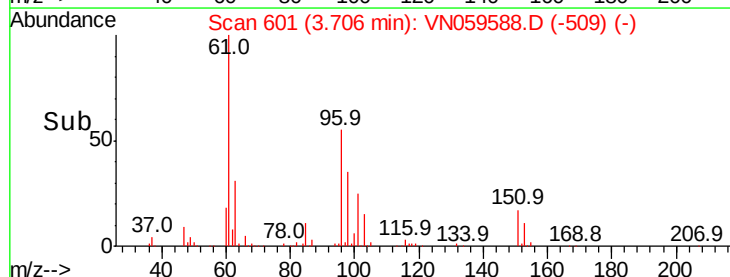
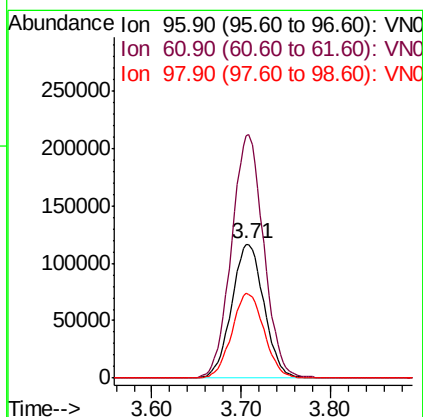
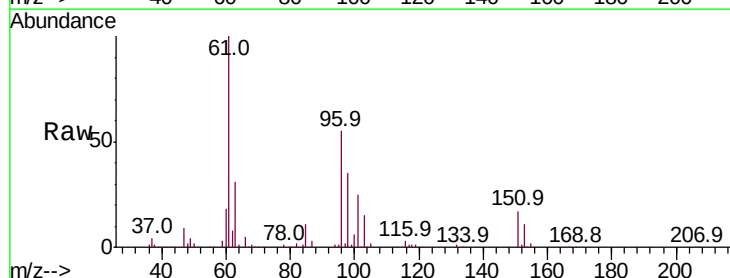
Instrument :
MSVOA_N
ClientSampled :

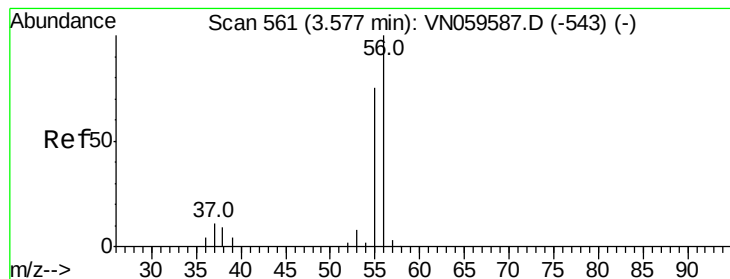
Tot Ion: 59 Resp: 394806
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8



#12
1,1-Dichloroethene
Concen: 108.878 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 96 Resp: 292808
Ion Ratio Lower Upper
96 100
61 181.6 137.5 206.3
98 63.5 50.2 75.4





#13

Acrolein

Concen: 717.326 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

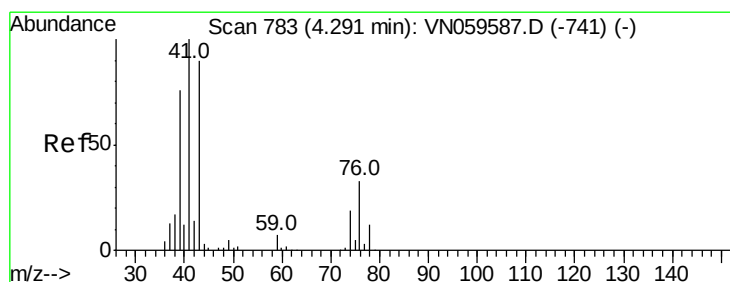
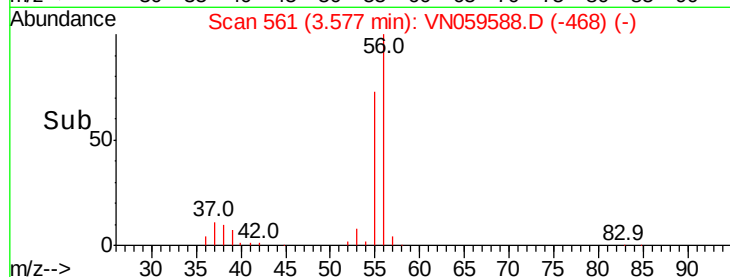
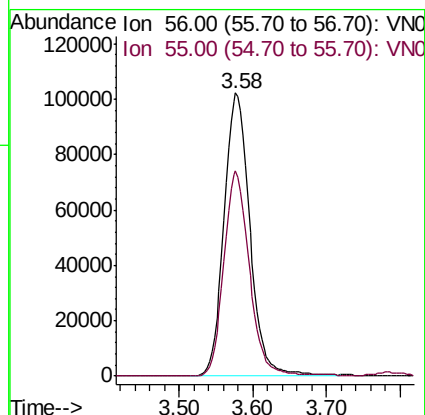
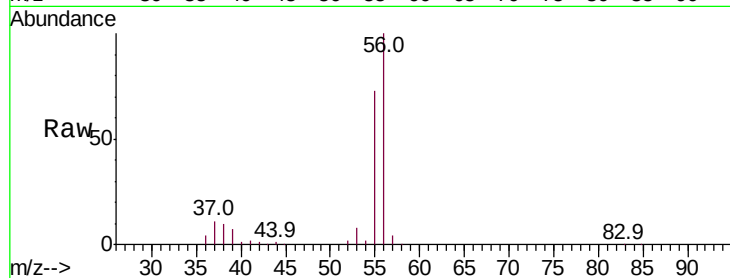
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 250043

Ion Ratio Lower Upper

56 100

55 70.6 58.6 88.0



#14

Allyl chloride

Concen: 116.017 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

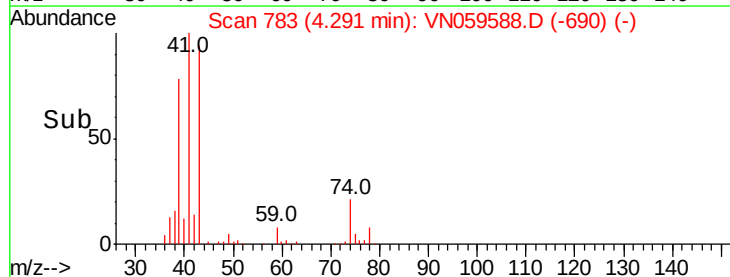
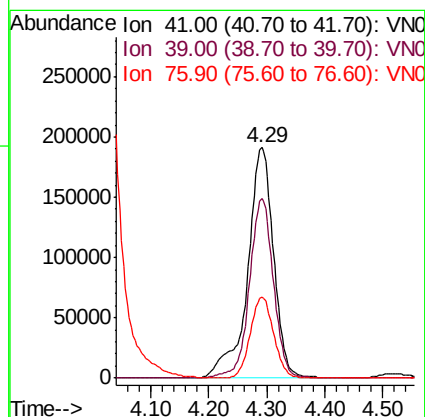
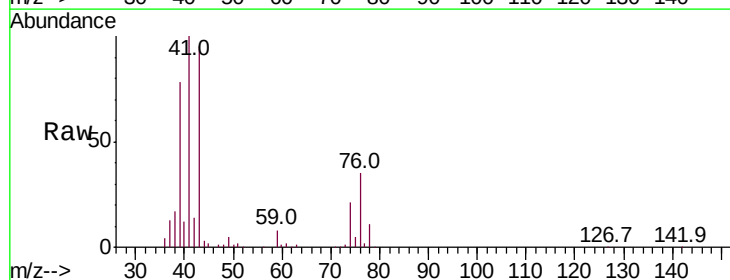
Tgt Ion: 41 Resp: 598502

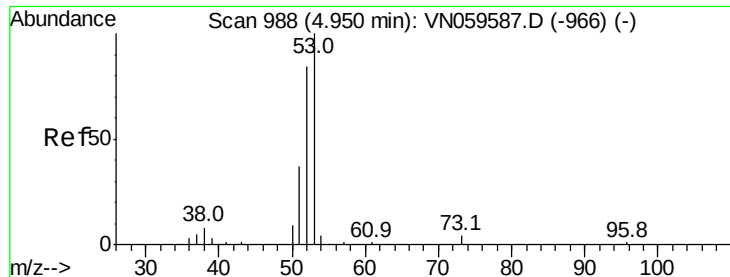
Ion Ratio Lower Upper

41 100

39 71.4 57.8 86.8

76 31.1 25.4 38.0





#15

Acrylonitrile

Concen: 610.641 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

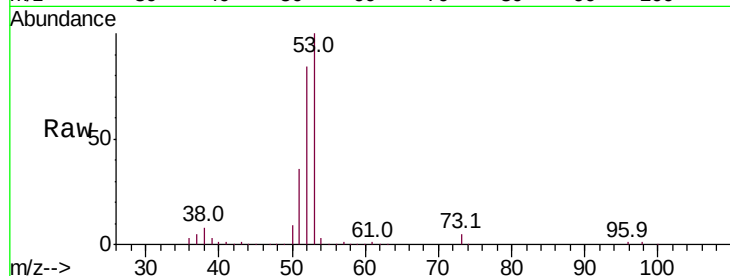
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 961890

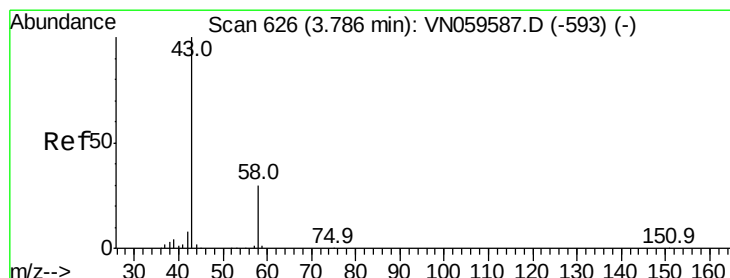
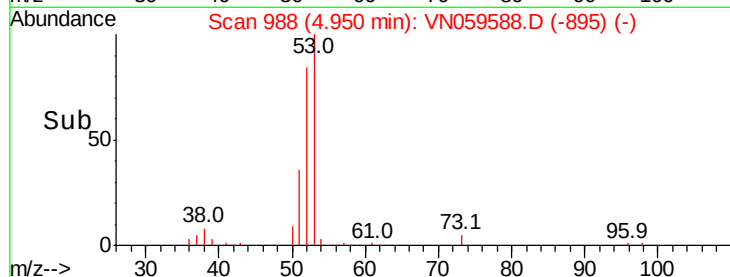
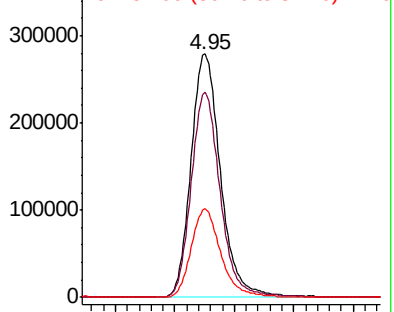
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.7	29.7	44.5



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: 677.097 ug/l

RT: 3.79 min Scan# 626

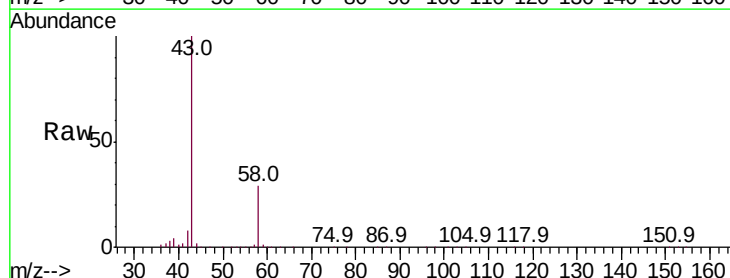
Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

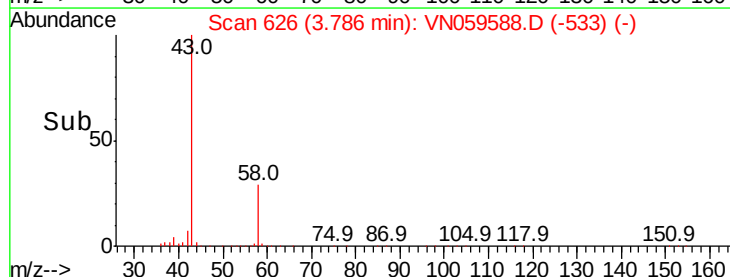
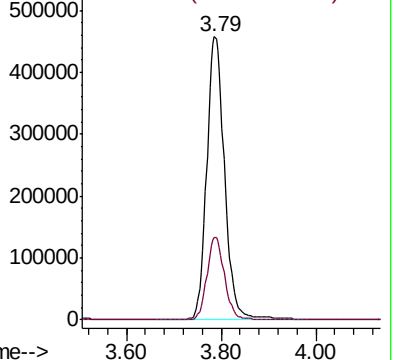
Tgt Ion: 43 Resp: 1204676

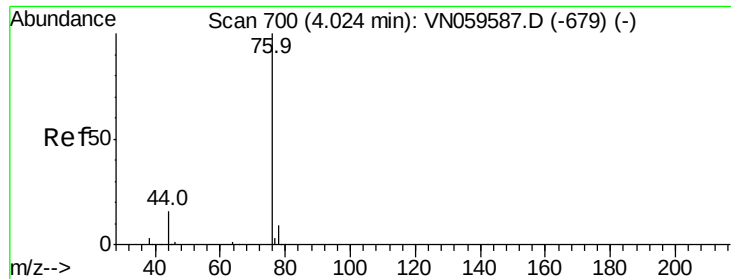
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 93.132 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

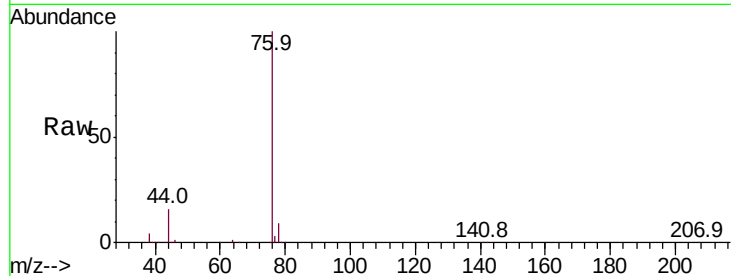
ClientSampleId :

Tot Ion: 76 Resp: 919801

Ion Ratio Lower Upper

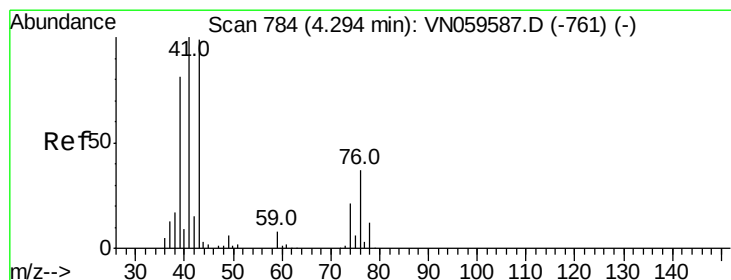
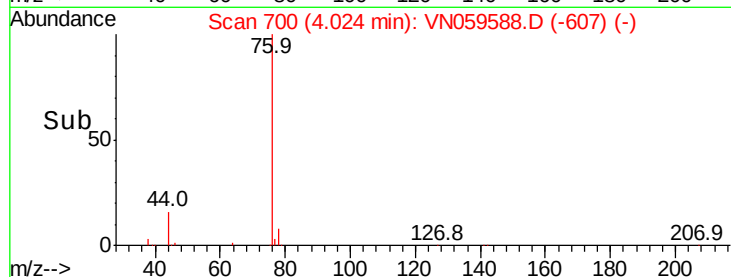
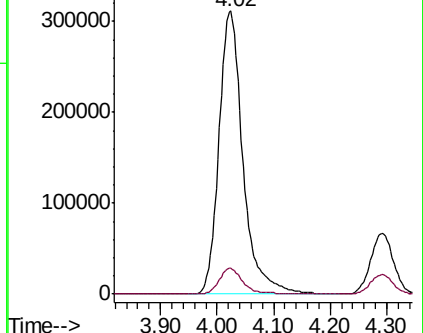
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 114.766 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059588.D

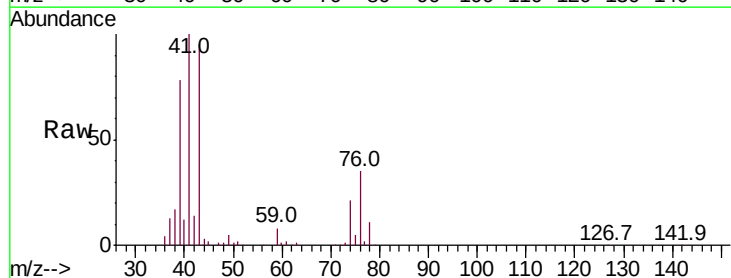
Acq: 13 Dec 2019 17:06

Tgt Ion: 43 Resp: 508350

Ion Ratio Lower Upper

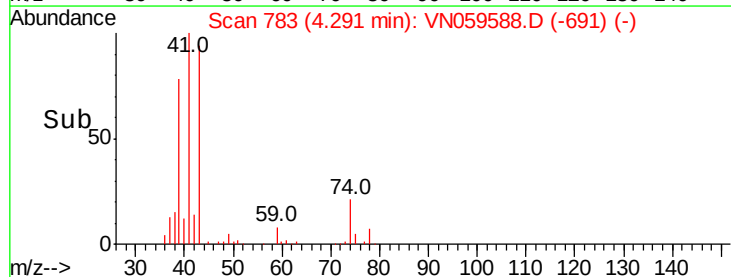
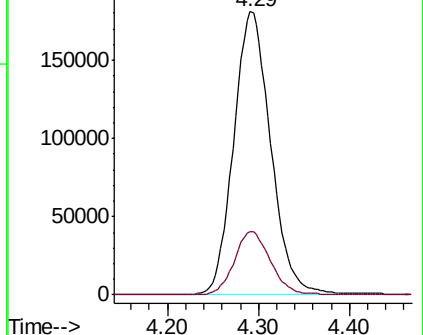
43 100

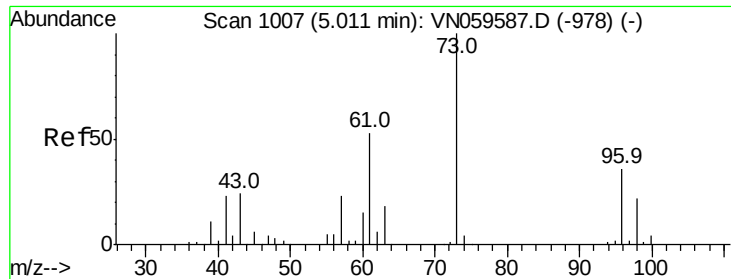
74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

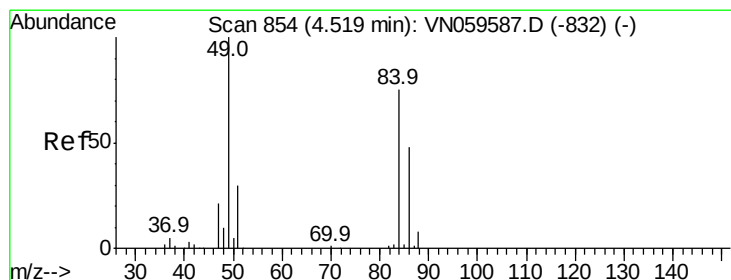
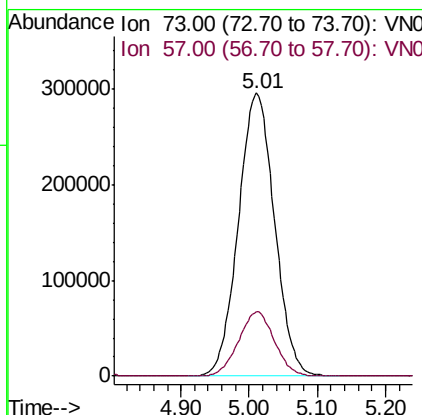
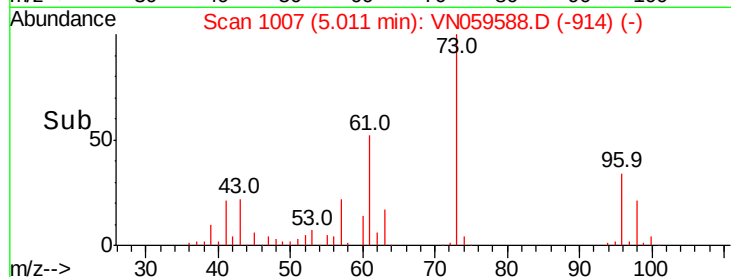
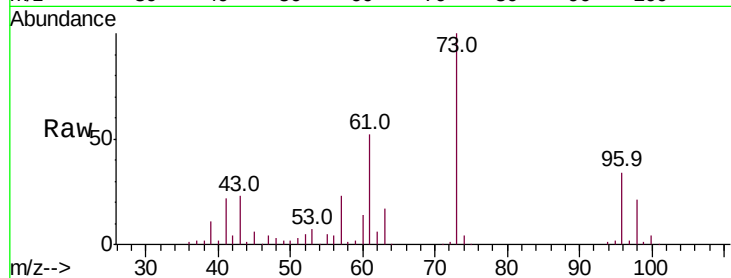




#19
Methvl tert-butvl Ether
Concen: 121.813 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

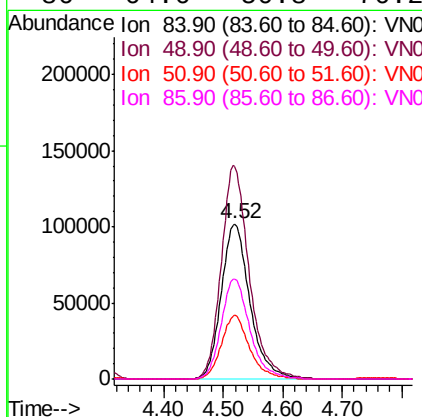
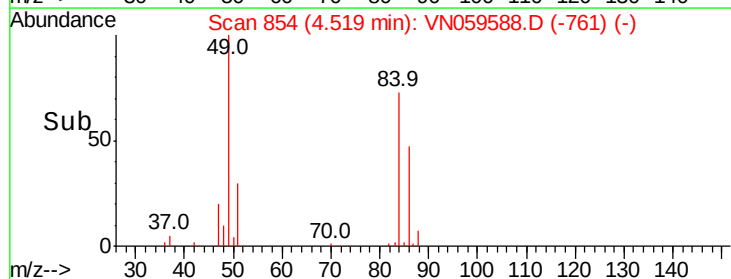
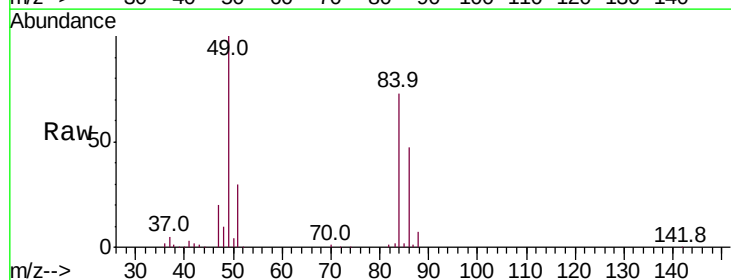
Instrument :
MSVOA_N
ClientSampled :

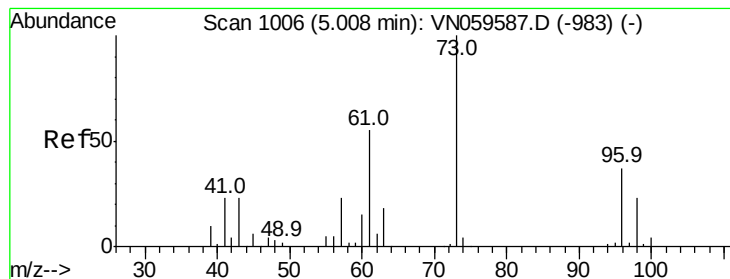
Tot Ion: 73 Resp: 1087889
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8



#20
Methylene Chloride
Concen: 100.141 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 84 Resp: 341270
Ion Ratio Lower Upper
84 100
49 136.9 106.6 160.0
51 41.1 31.9 47.9
86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 113.357 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

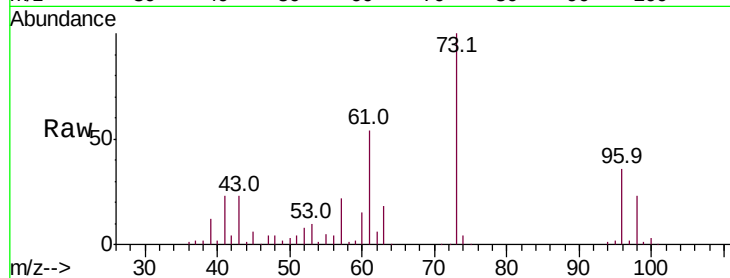
Tot Ion: 96 Resp: 326112

Ion Ratio Lower Upper

96 100

61 152.3 120.4 180.6

98 63.1 50.6 75.8

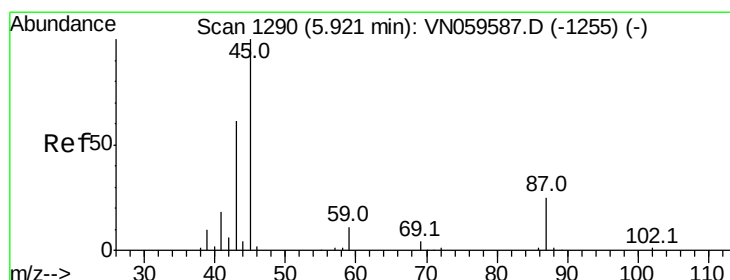
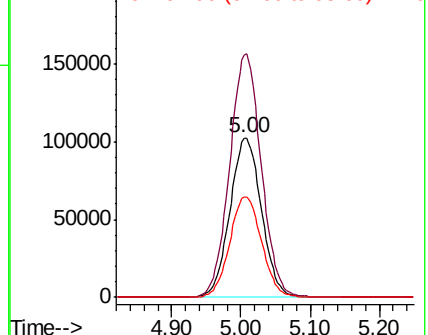
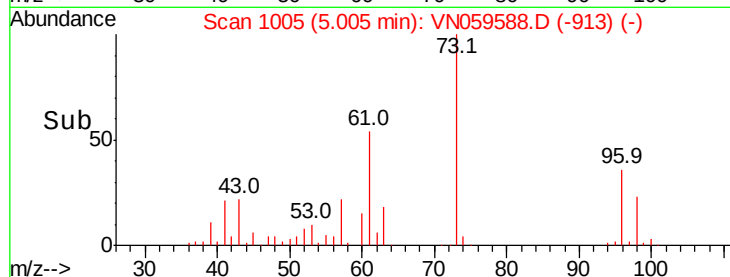


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 120.347 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Tgt Ion: 45 Resp: 1181376

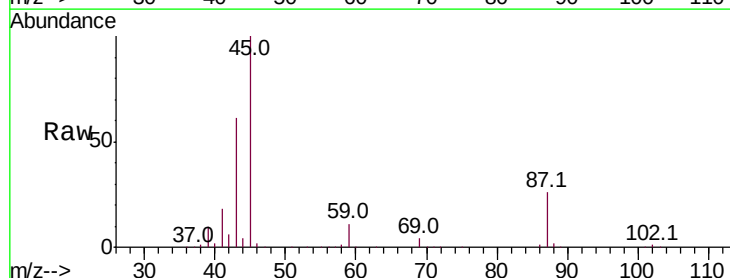
Ion Ratio Lower Upper

45 100

43 59.8 50.8 76.2

87 25.8 21.0 31.6

59 11.2 9.1 13.7



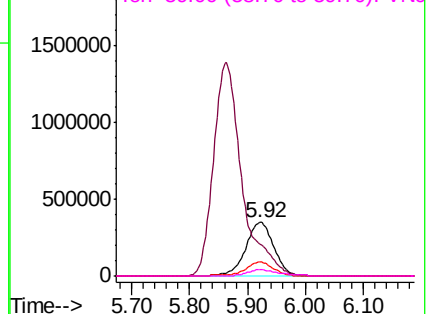
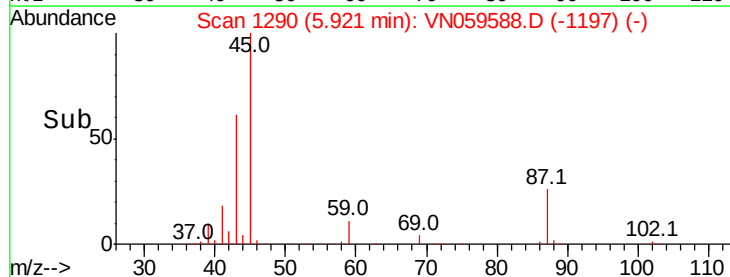
Abundance

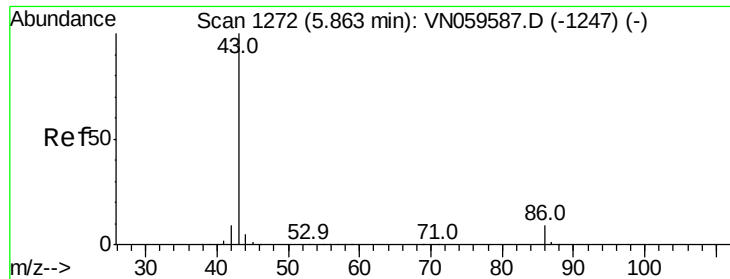
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

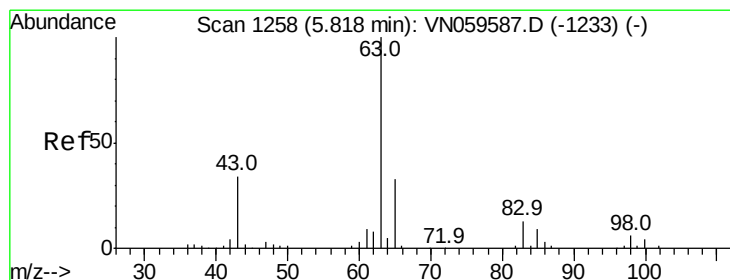
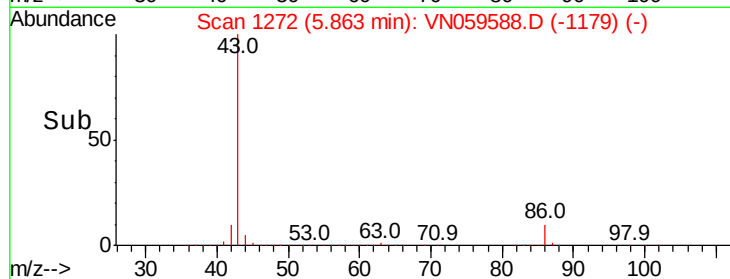
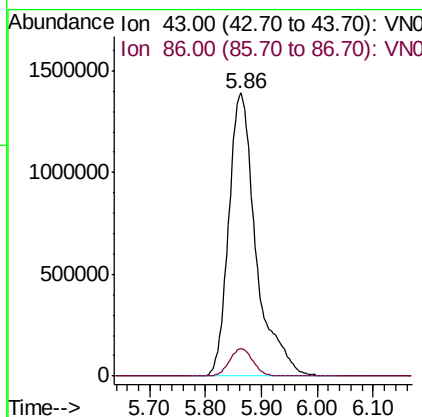
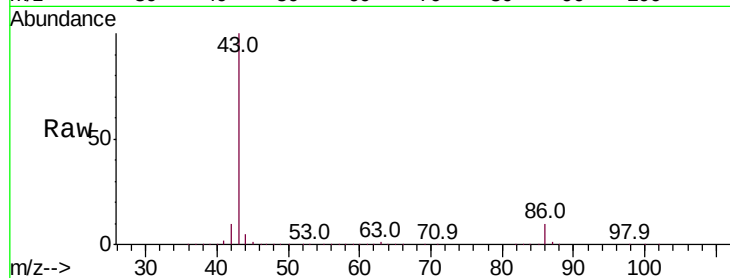




#23
 Vinyl Acetate
 Concen: 582.813 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

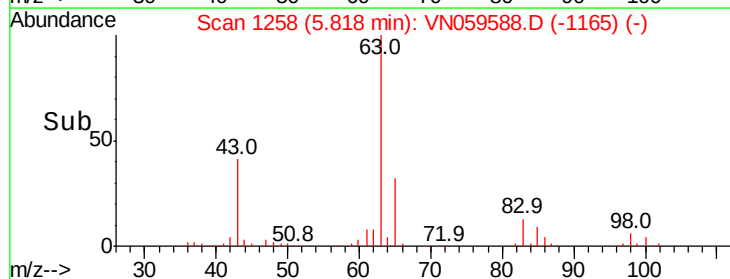
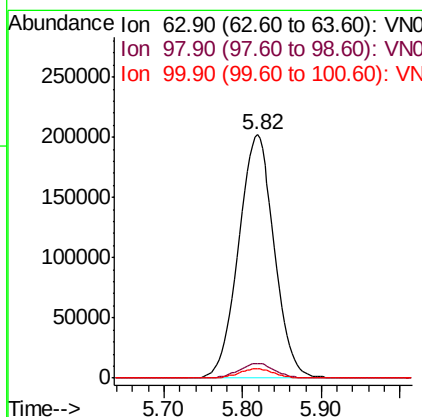
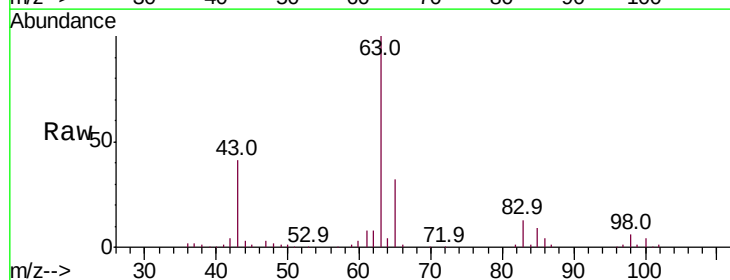
Instrument :
 MSVOA_N
 ClientSampleId :

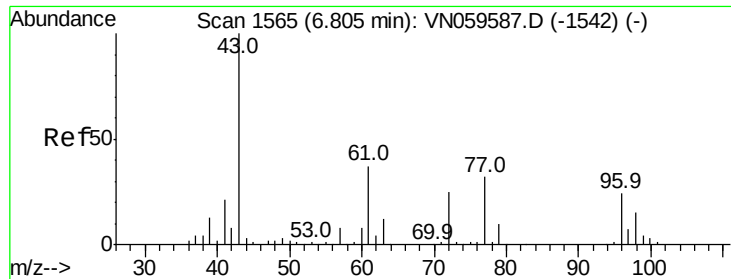
Tot Ion: 43 Resp: 4738592
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 114.963 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion: 63 Resp: 641463
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.7
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 673.117 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

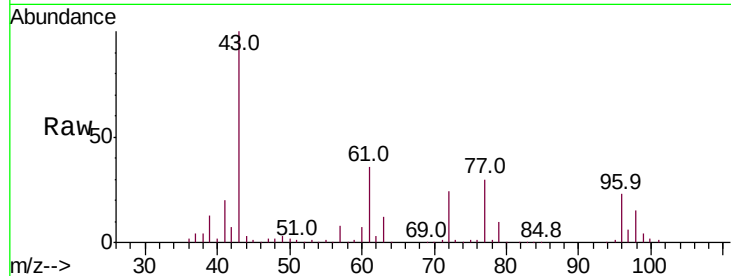
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1553433

Ion Ratio Lower Upper

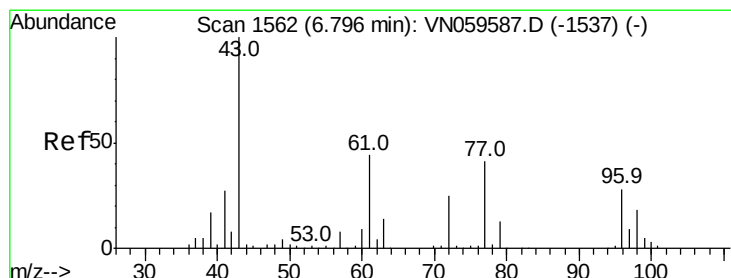
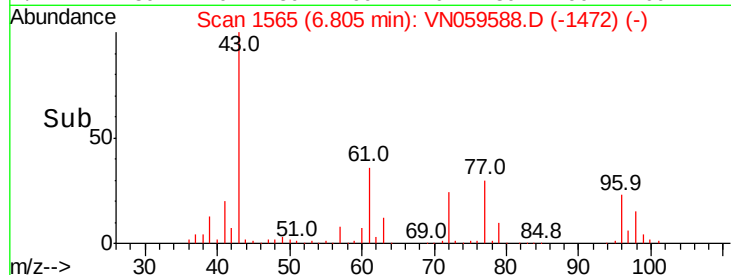
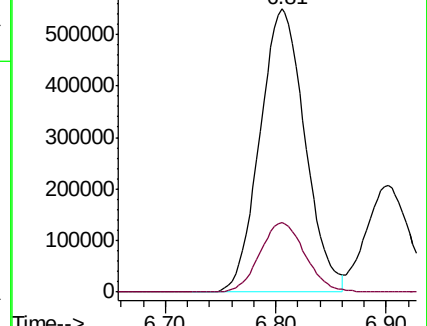
43 100

72 24.5 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: 115.102 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059588.D

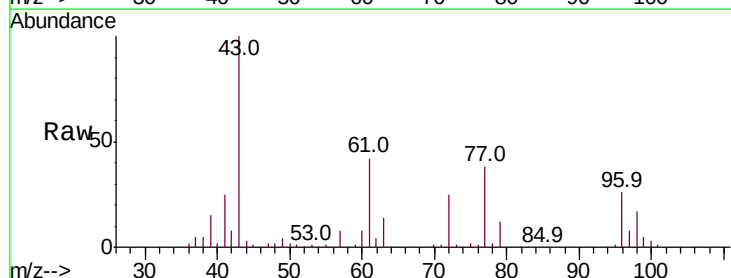
Acq: 13 Dec 2019 17:06

Tgt Ion: 77 Resp: 580635

Ion Ratio Lower Upper

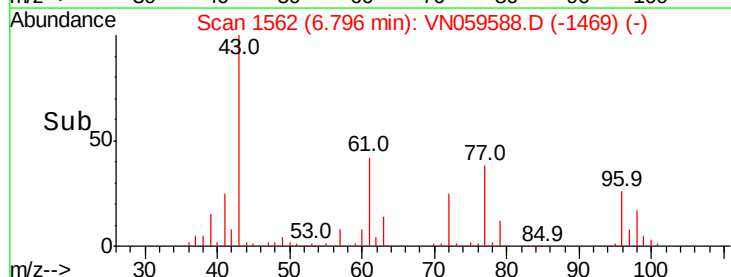
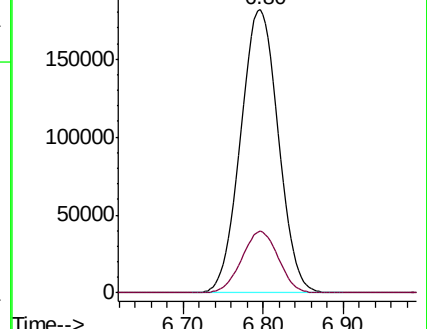
77 100

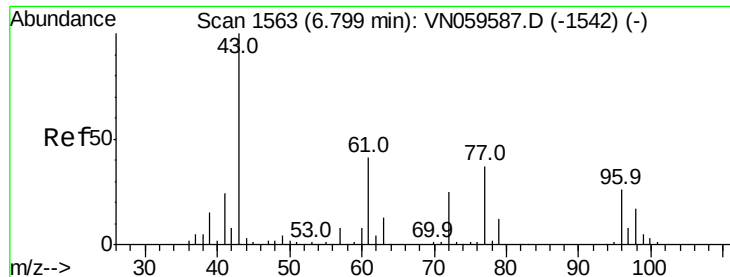
97 21.2 10.7 31.9



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: 114.799 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

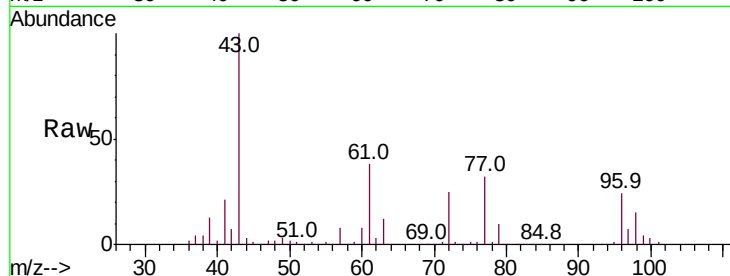
Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 371985

Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	317.6
98	65.1	0.0	127.0

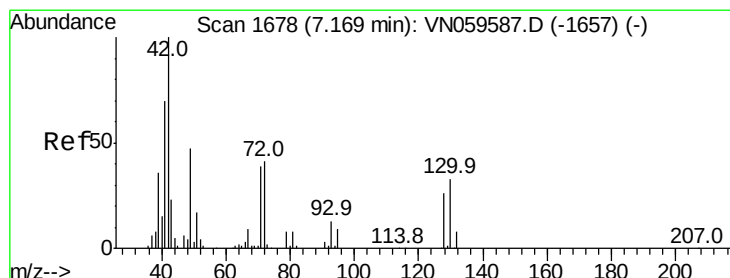
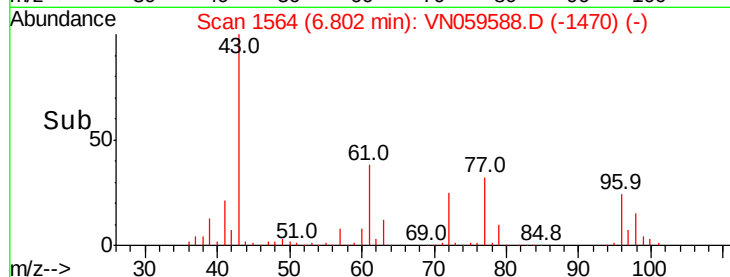
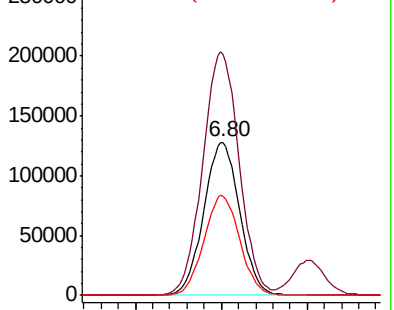


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 145.103 ug/l

RT: 7.17 min Scan# 1678

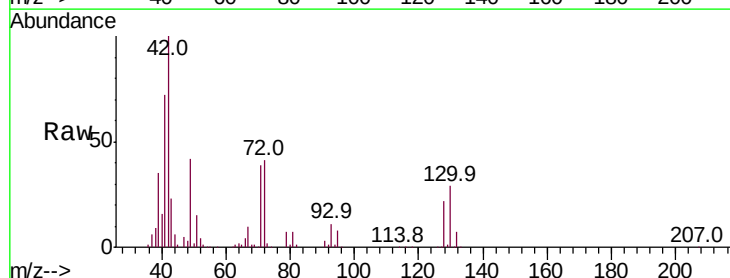
Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Tgt Ion: 49 Resp: 263663

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.7	54.7	82.1

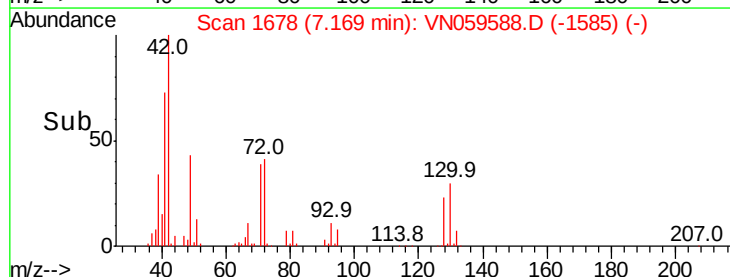
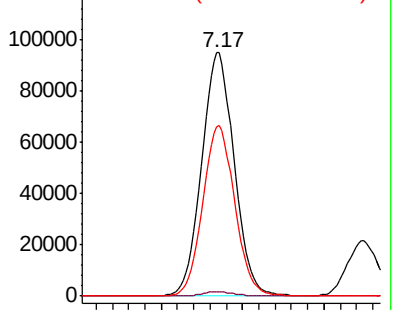


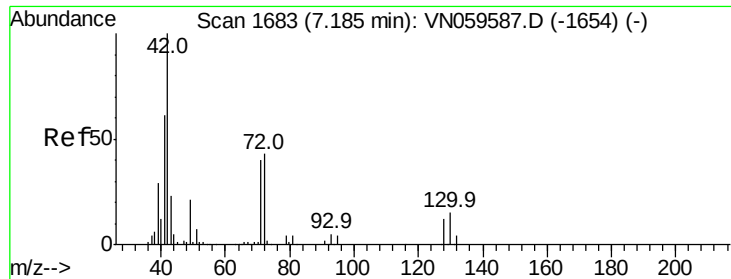
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

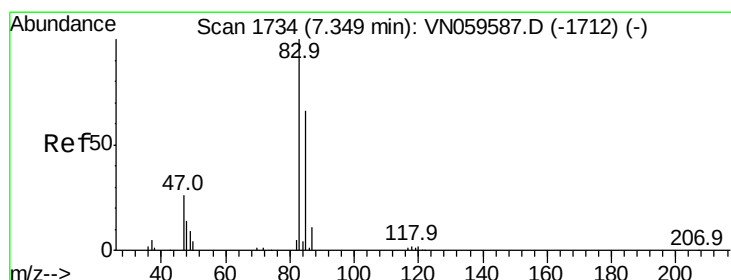
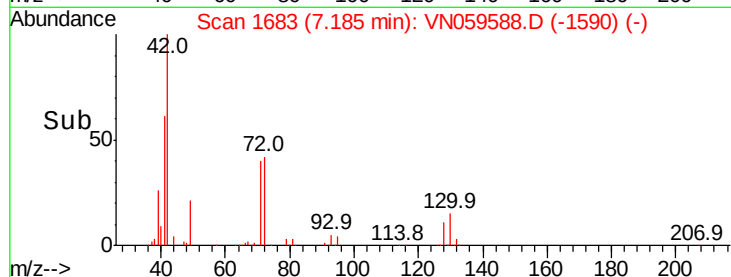
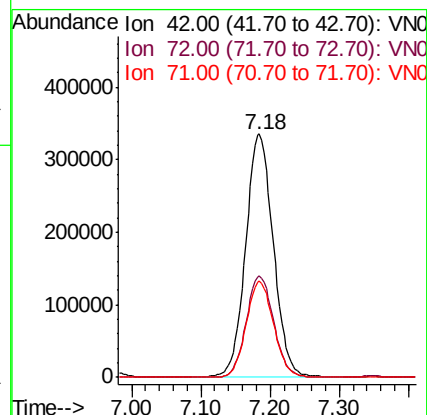
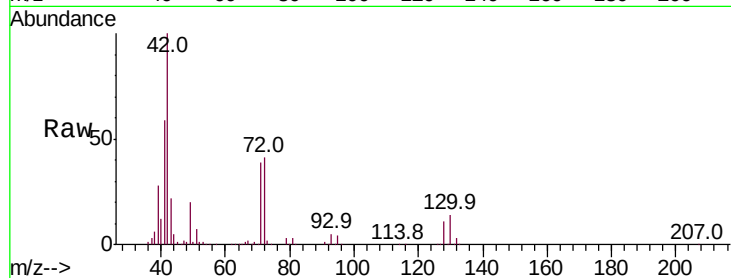




#29
Tetrahydrofuran
Concen: 589.888 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

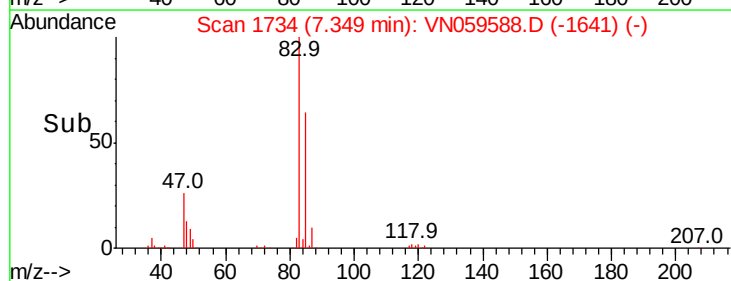
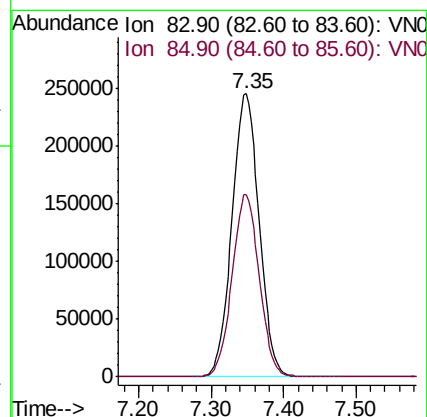
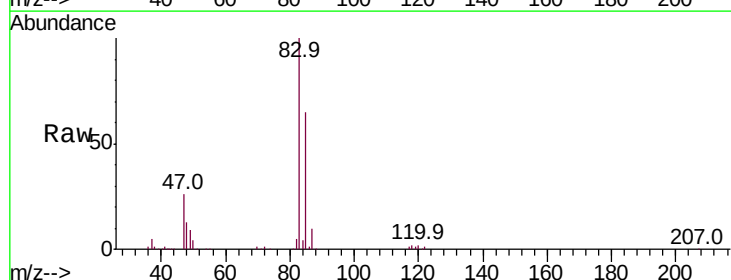
Instrument :
MSVOA_N
ClientSampled :

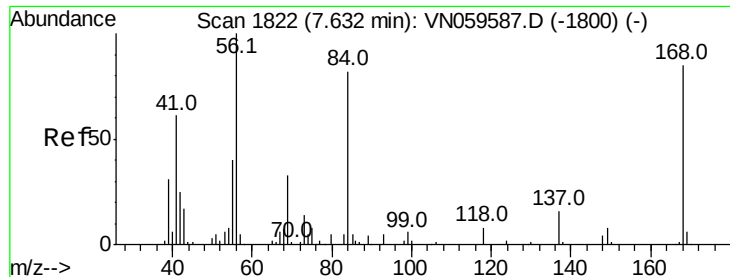
Tot Ion: 42 Resp: 928868
Ion Ratio Lower Upper
42 100
72 41.7 33.1 49.7
71 39.4 31.4 47.0



#30
Chloroform
Concen: 116.400 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 83 Resp: 640499
Ion Ratio Lower Upper
83 100
85 64.5 52.4 78.6

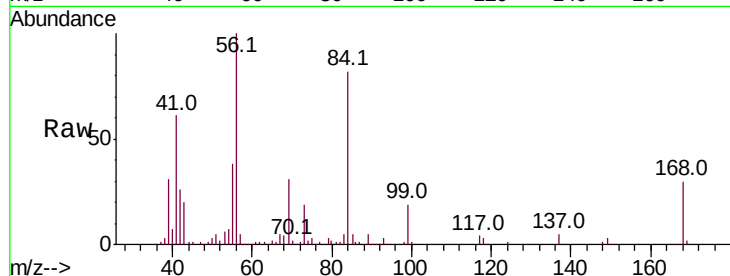




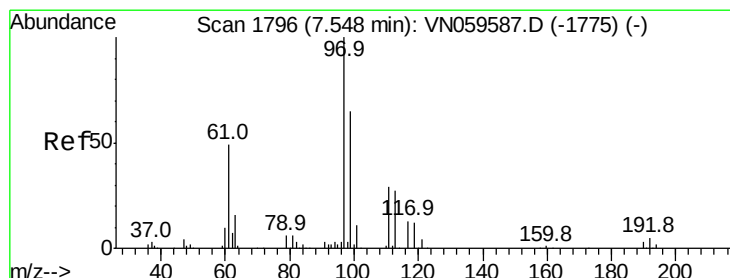
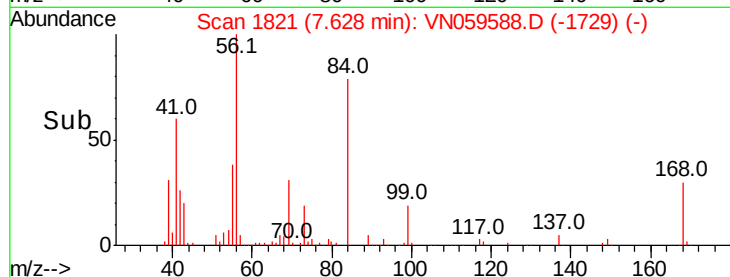
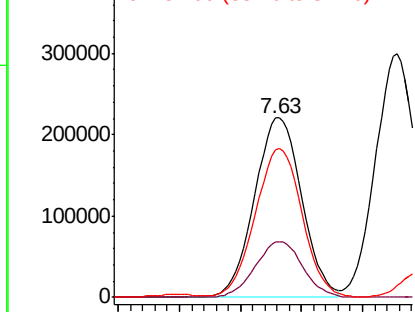
#31
Cyclohexane
Concen: 109.591 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 594428
Ion Ratio Lower Upper
56 100
69 30.7 26.5 39.7
84 80.7 65.3 97.9

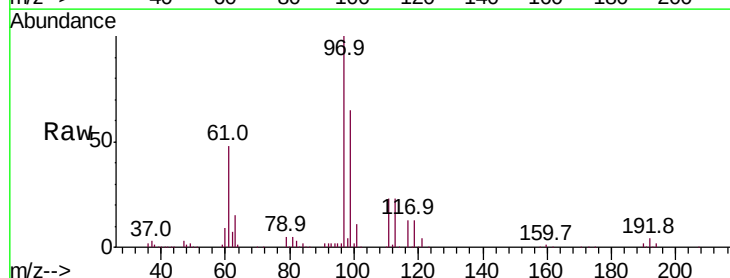


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

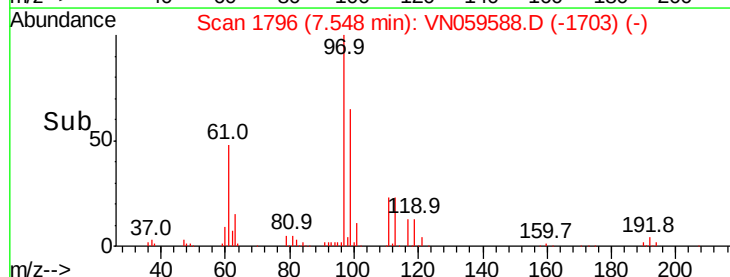
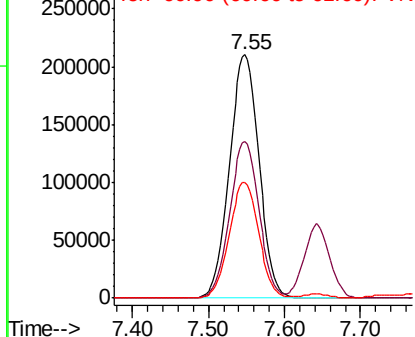


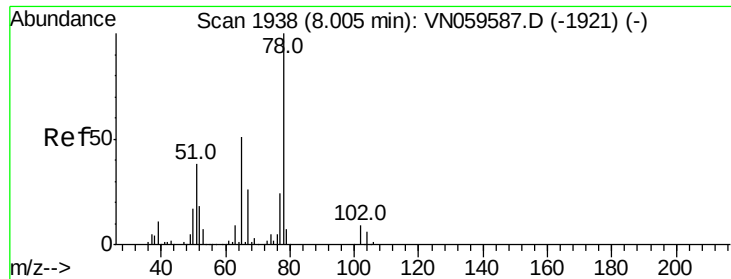
#32
1,1,1-Trichloroethane
Concen: 116.414 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 97 Resp: 568545
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 47.5 38.5 57.7



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

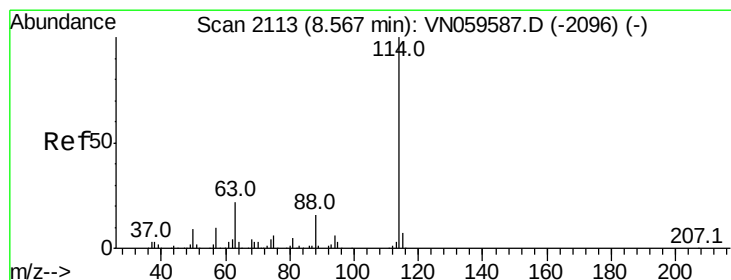
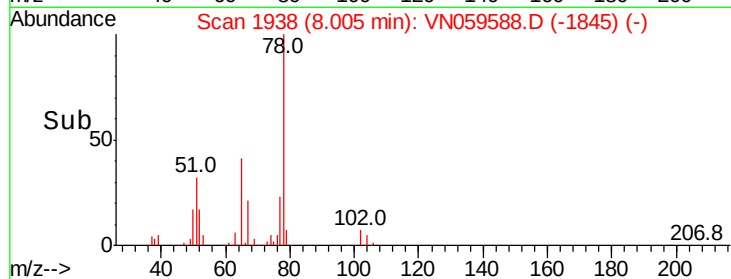
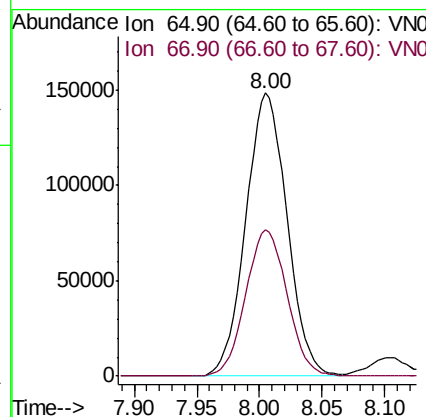
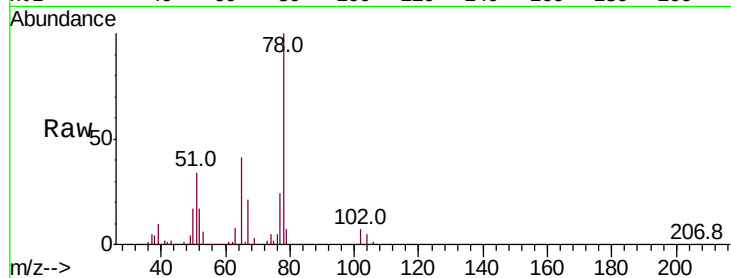




#33
 1,2-Dichloroethane-d4
 Concen: 94.071 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

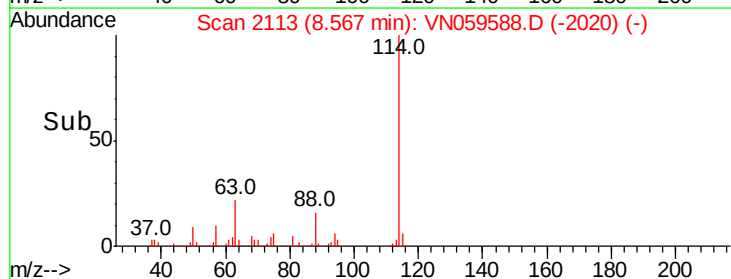
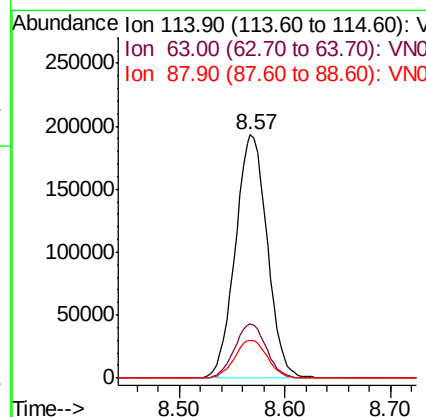
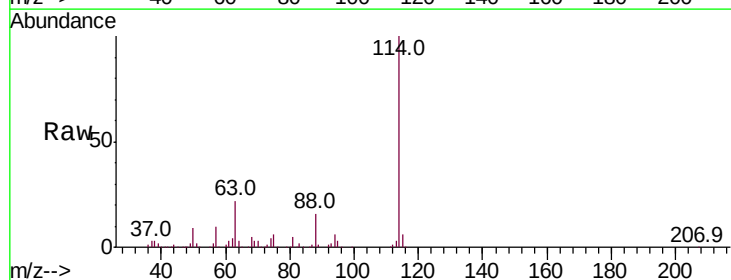
Instrument :
 MSVOA_N
 ClientSampleId :

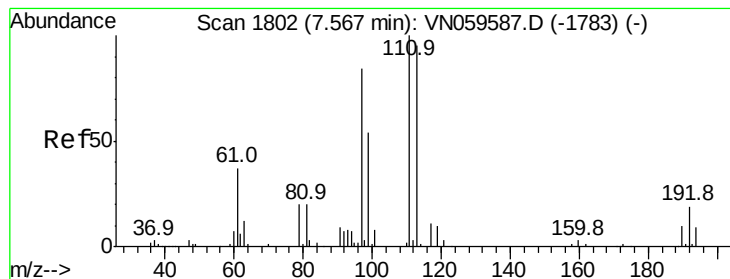
Tot Ion: 65 Resp: 340515
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion: 114 Resp: 404538
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 98.714 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :

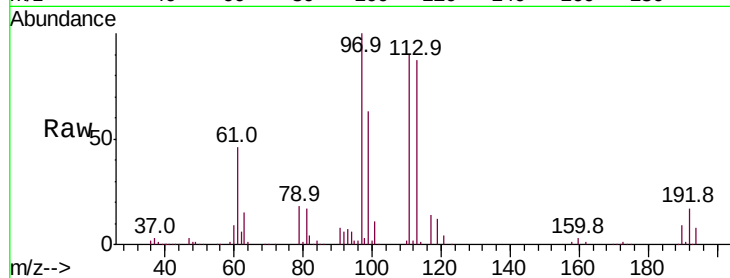
Tot Ion:113 Resp: 242464

Ion Ratio Lower Upper

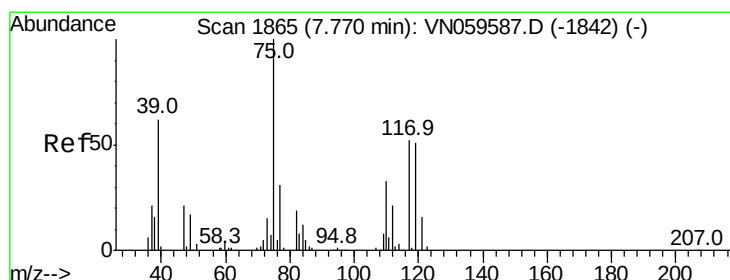
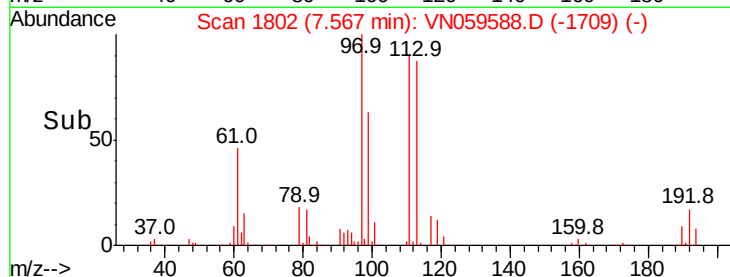
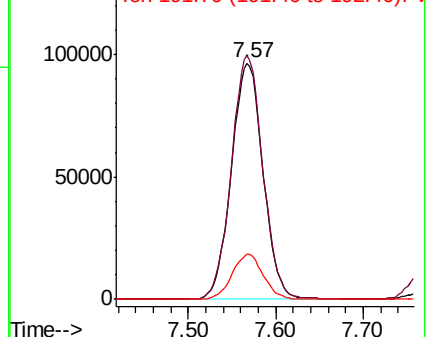
113 100

111 102.4 83.5 125.3

192 18.8 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: 118.291 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

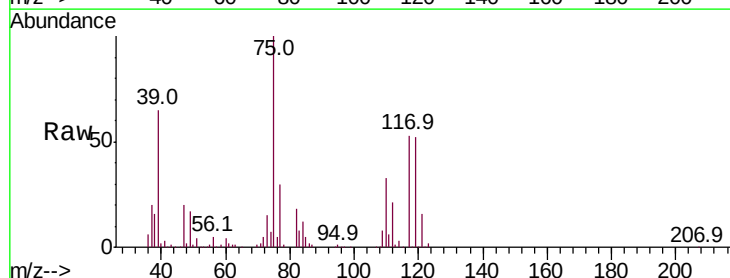
Tgt Ion: 75 Resp: 498574

Ion Ratio Lower Upper

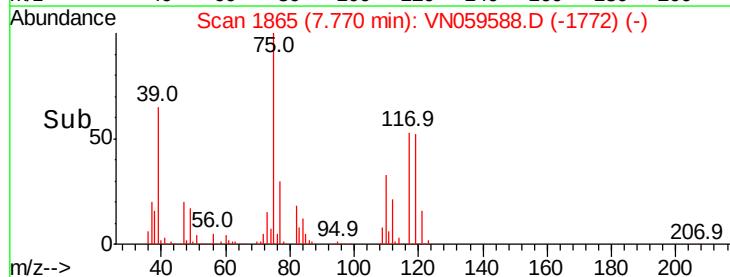
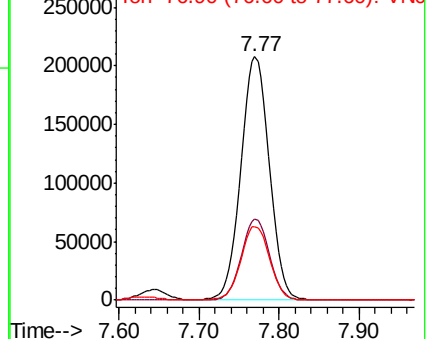
75 100

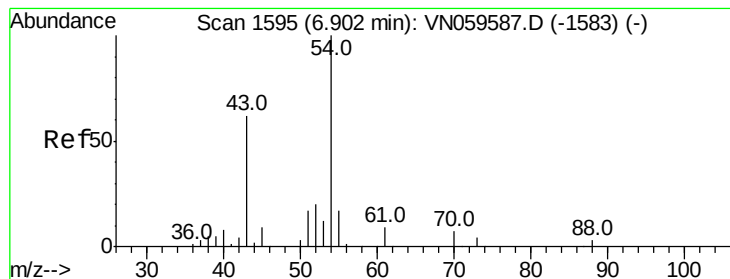
110 32.7 16.6 49.7

77 30.7 25.1 37.7



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





#37

Ethyl Acetate

Concen: 131.555 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

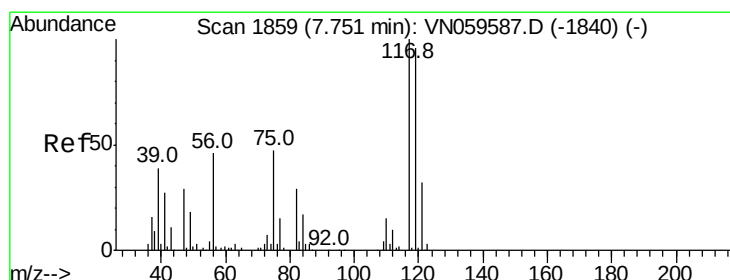
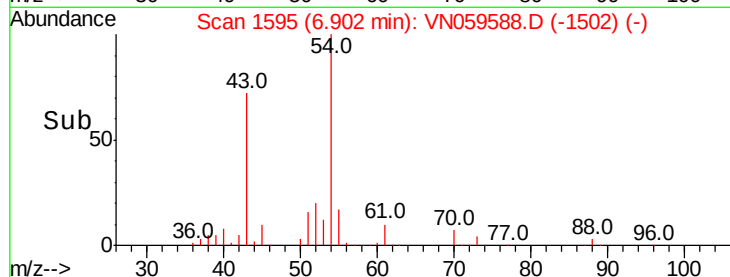
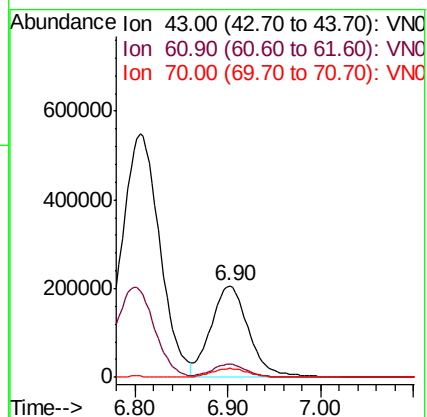
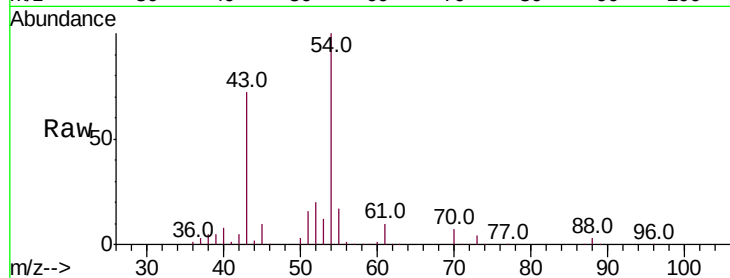
Tot Ion: 43 Resp: 577819

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

70 9.4 7.7 11.5



#38

Carbon Tetrachloride

Concen: 120.521 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

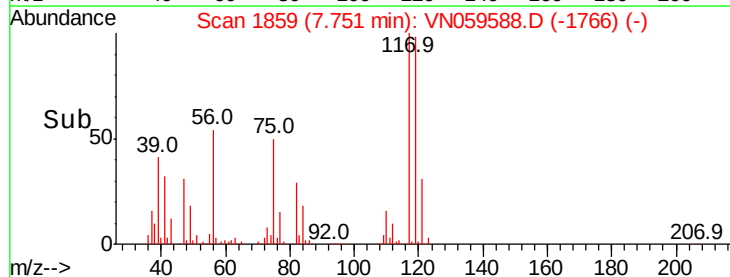
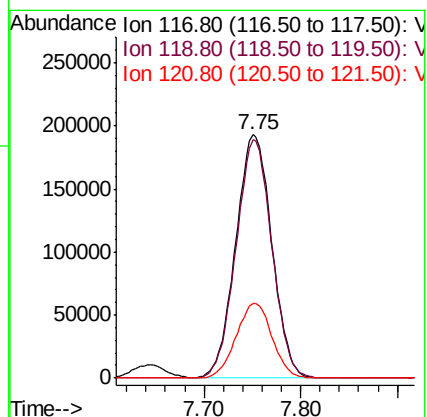
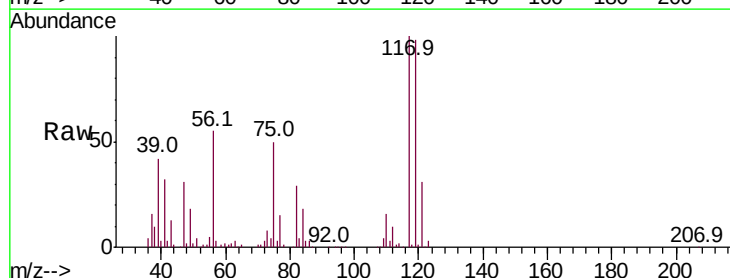
Tgt Ion: 117 Resp: 502030

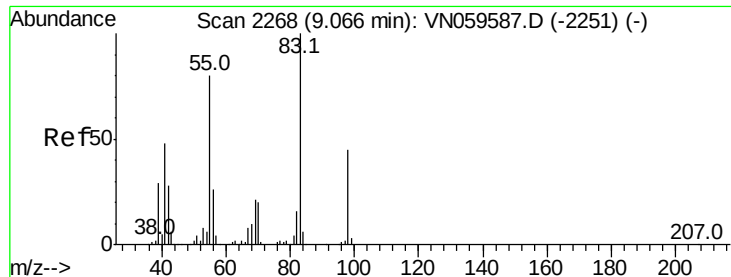
Ion Ratio Lower Upper

117 100

119 97.9 76.5 114.7

121 30.9 25.1 37.7

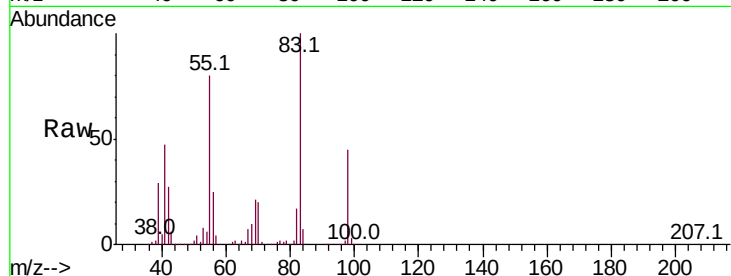




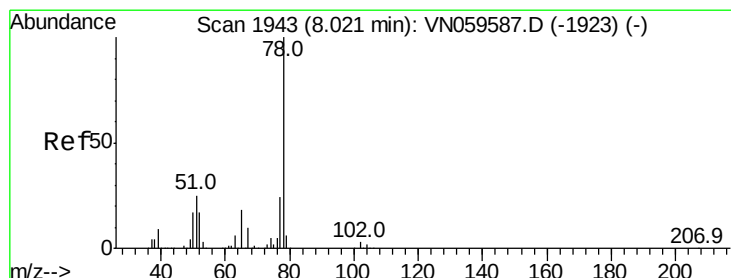
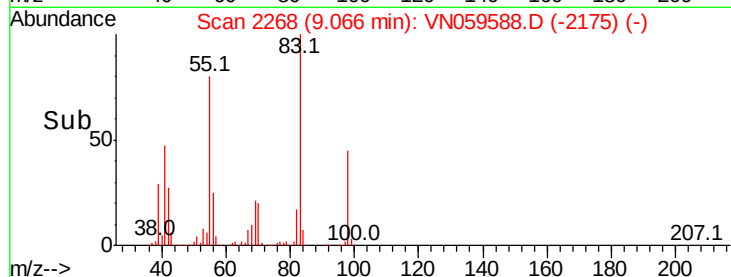
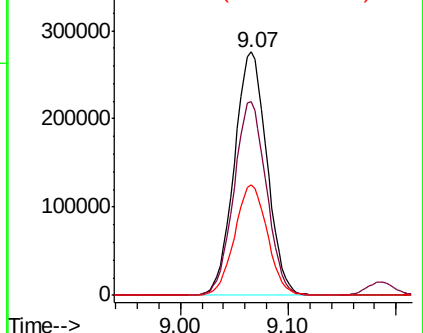
#39
Methylvlcyclohexane
Concen: 123.010 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	64.2	96.2
98	45.2	35.9	53.9

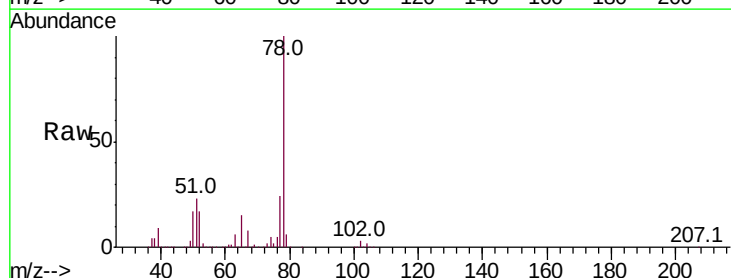


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

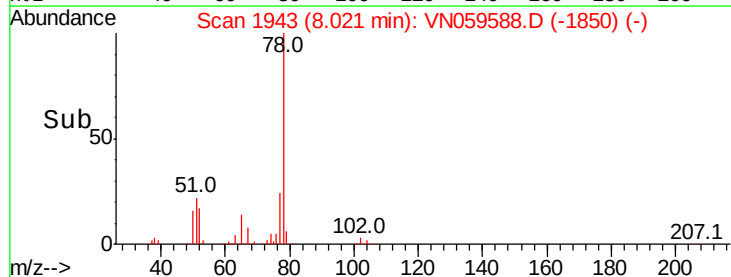
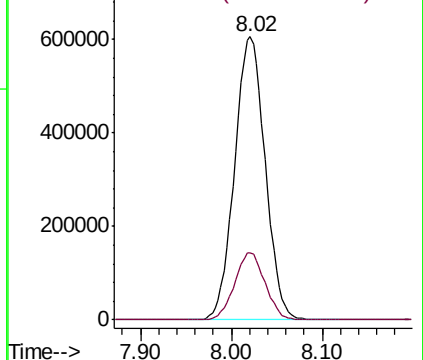


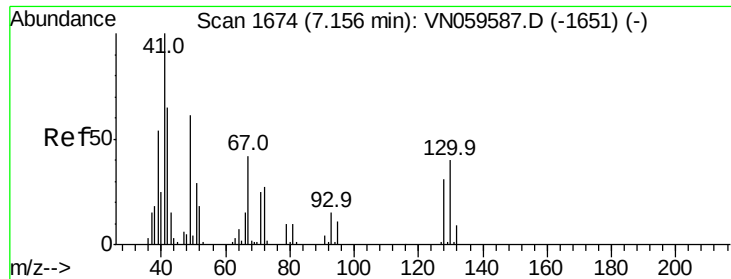
#40
Benzene
Concen: 117.265 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3



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

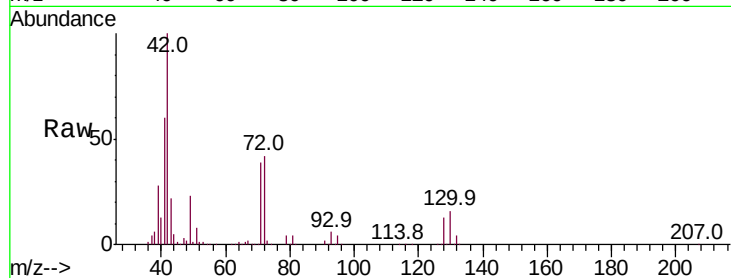




#41
Methacrylonitrile
Concen: 408.051 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	839409
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



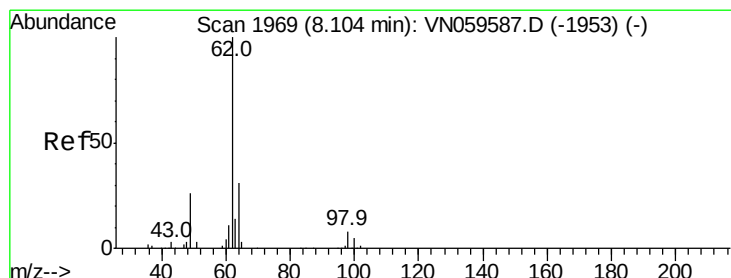
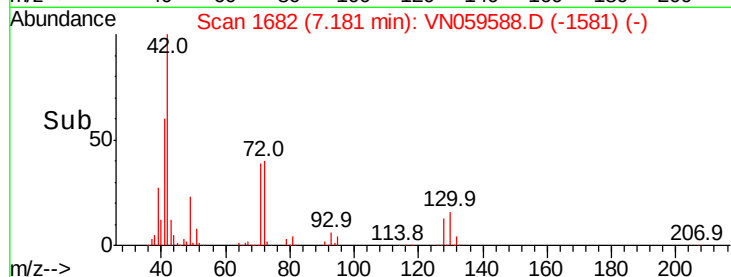
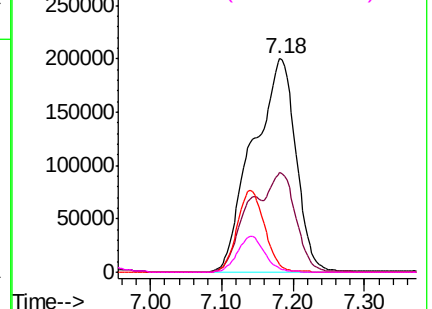
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

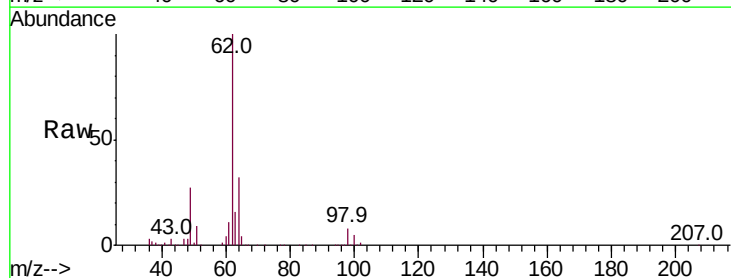
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 120.630 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

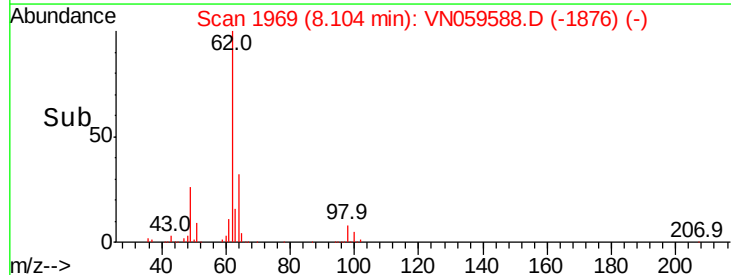
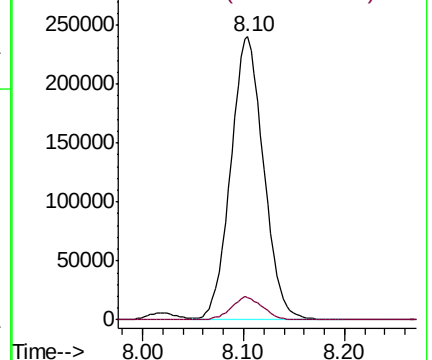
Tgt Ion:	62	Resp:	543362
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8

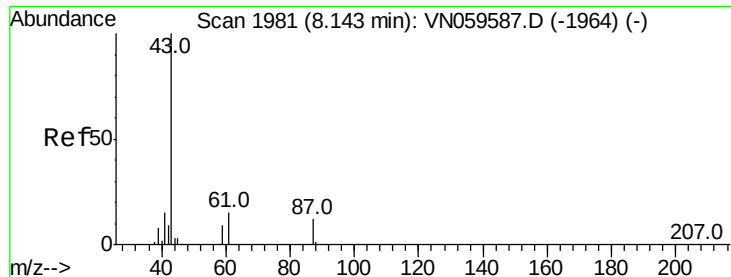


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 127.426 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

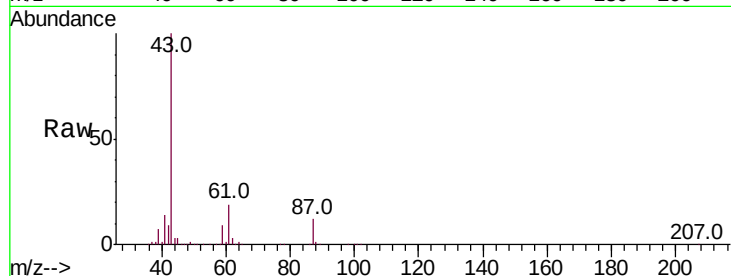
Tot Ion: 43 Resp: 930546

Ion Ratio Lower Upper

43 100

61 24.8 20.2 30.2

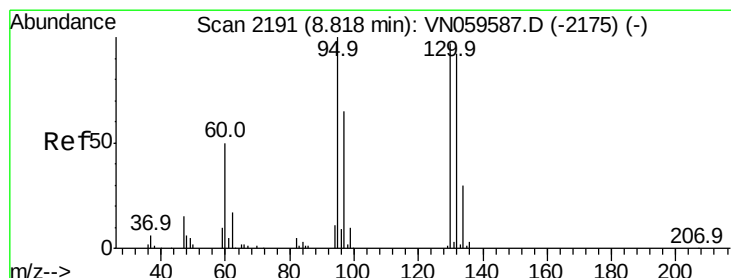
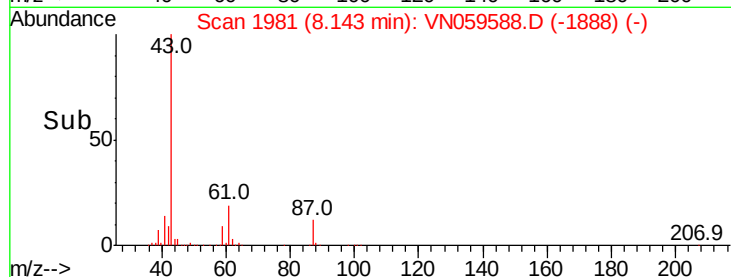
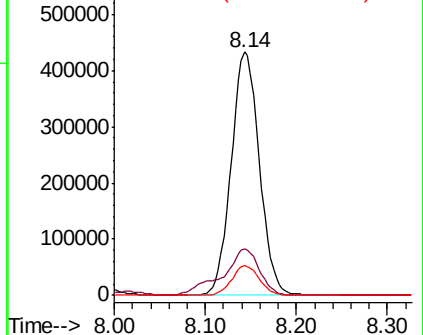
87 12.1 9.5 14.3



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: 119.848 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059588.D

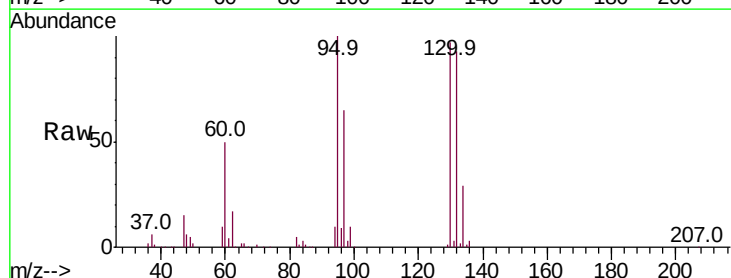
Acq: 13 Dec 2019 17:06

Tgt Ion:130 Resp: 366441

Ion Ratio Lower Upper

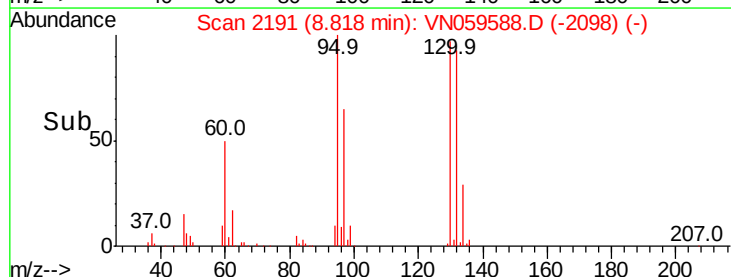
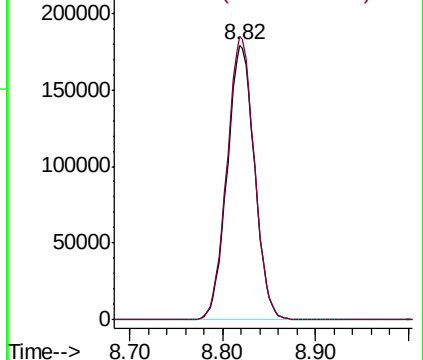
130 100

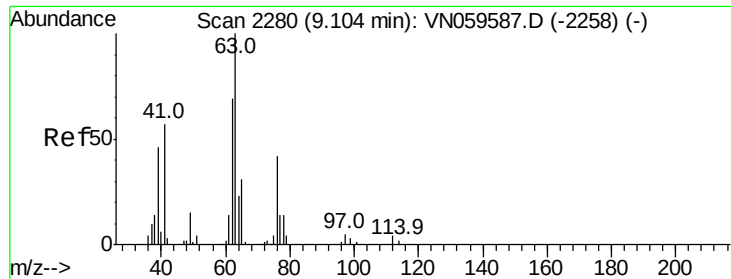
95 103.0 0.0 207.0



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

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

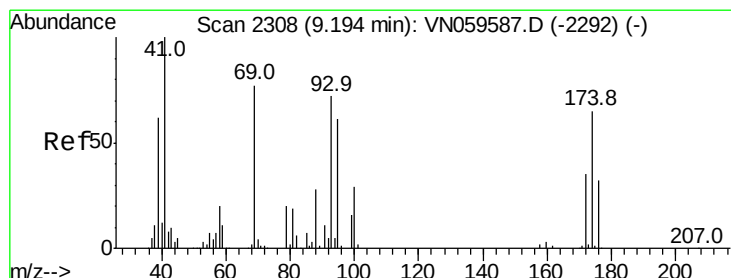
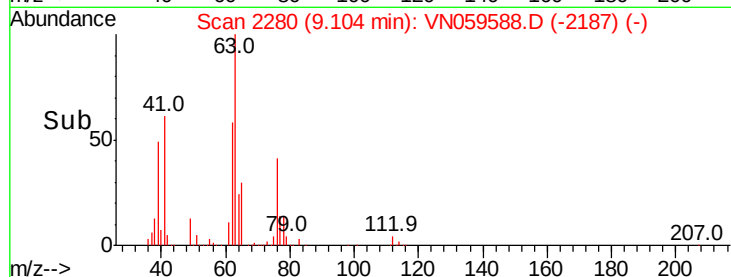
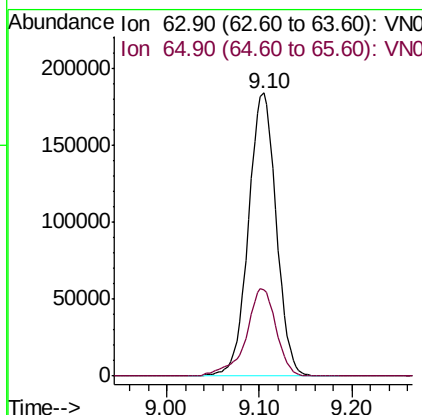
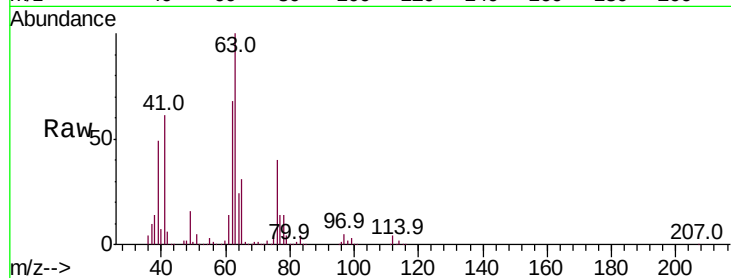




#45
 1,2-Dichloropropane
 Concen: 119.760 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

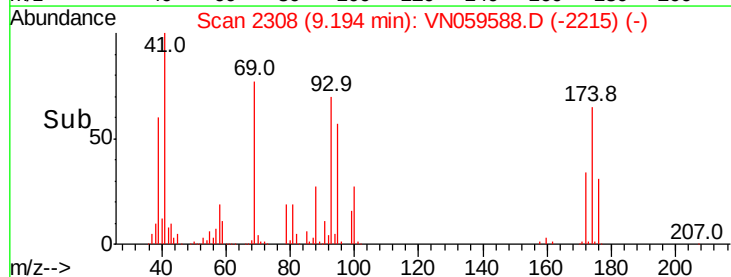
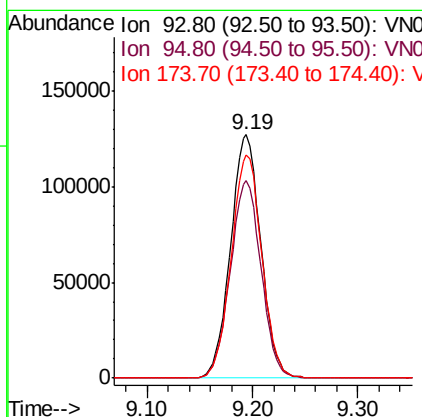
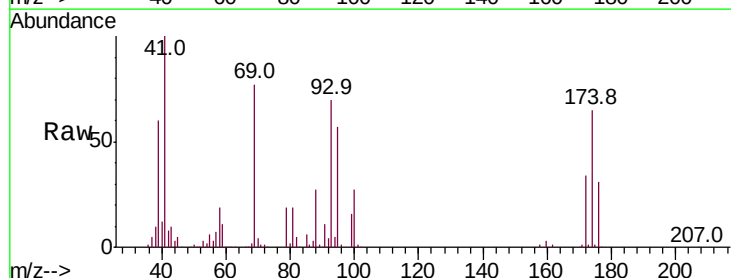
Instrument :
 MSVOA_N
 ClientSampled :

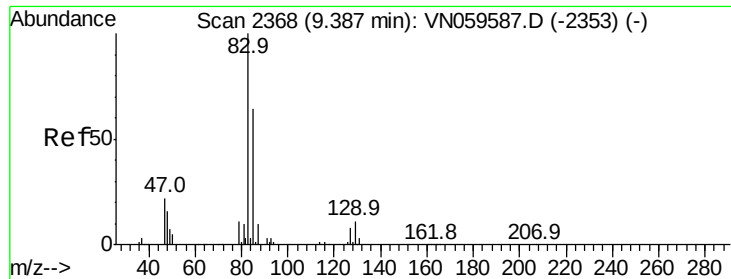
Tot Ion: 63 Resp: 382541
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3



#46
 Dibromomethane
 Concen: 119.364 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion: 93 Resp: 252667
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.6
 174 92.8 73.4 110.2





#47

Bromodichloromethane

Concen: 123.192 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :

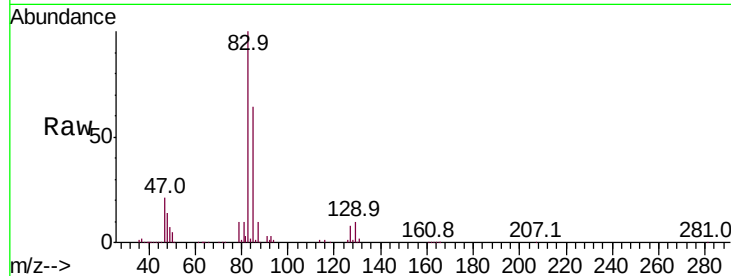
Tot Ion: 83 Resp: 517301

Ion Ratio Lower Upper

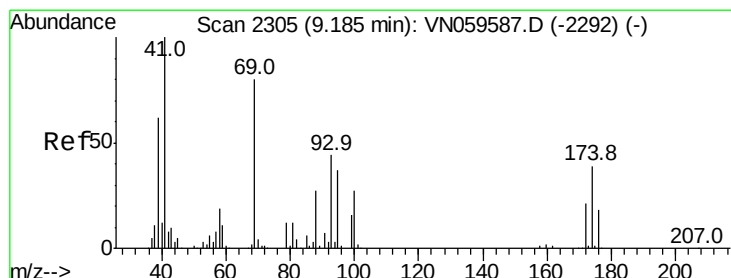
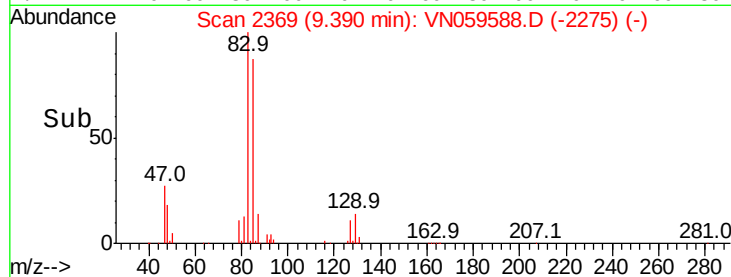
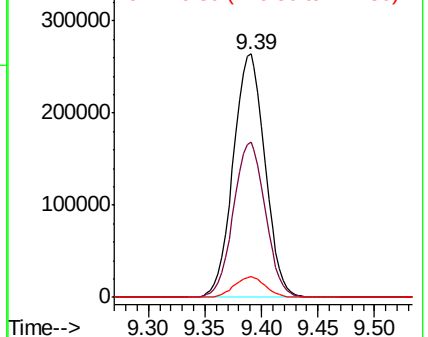
83 100

85 63.6 51.1 76.7

127 8.4 6.6 9.8



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



#48

Methyl methacrylate

Concen: 134.430 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

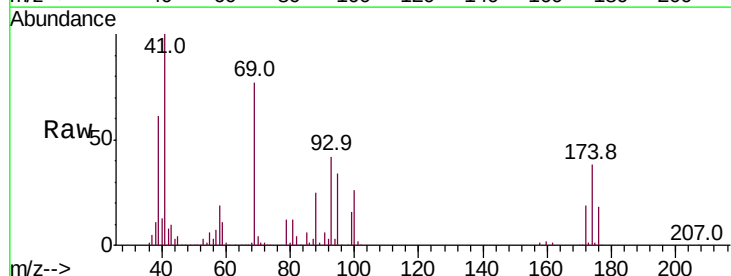
Tgt Ion: 41 Resp: 430977

Ion Ratio Lower Upper

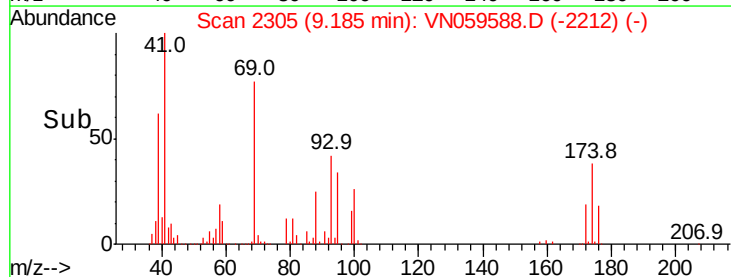
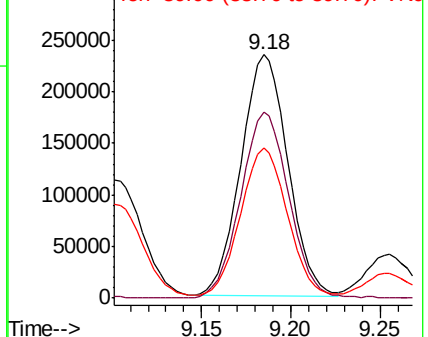
41 100

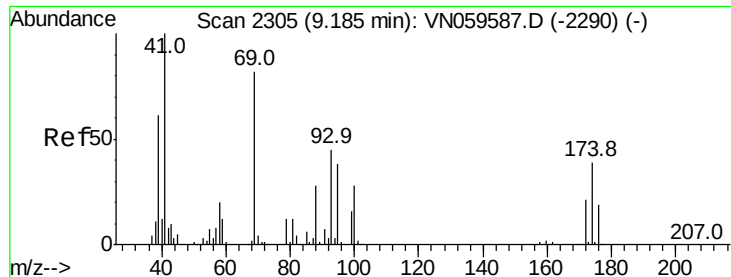
69 79.0 64.4 96.6

39 63.0 51.3 76.9



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

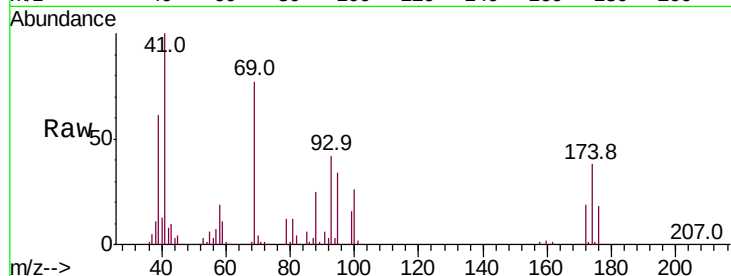




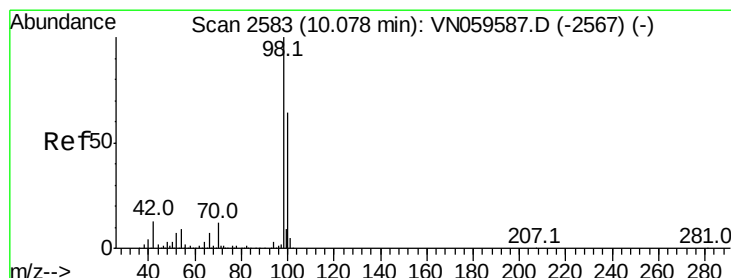
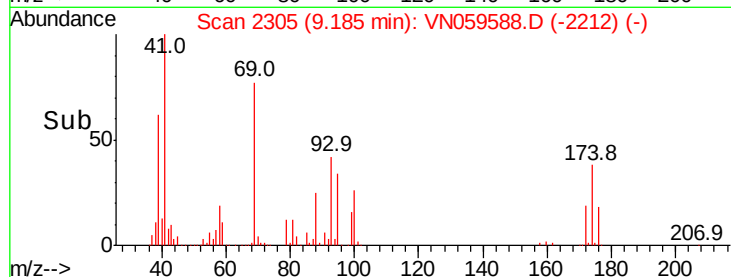
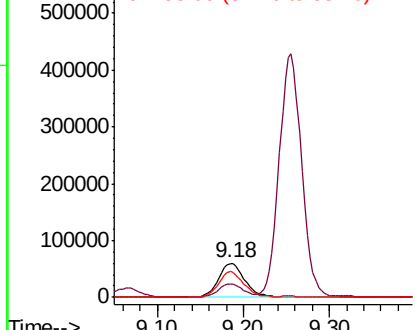
#49
1,4-Dioxane
Concen: 2994.384 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 128406
Ion Ratio Lower Upper
88 100
43 36.5 29.7 44.5
58 72.5 56.6 85.0

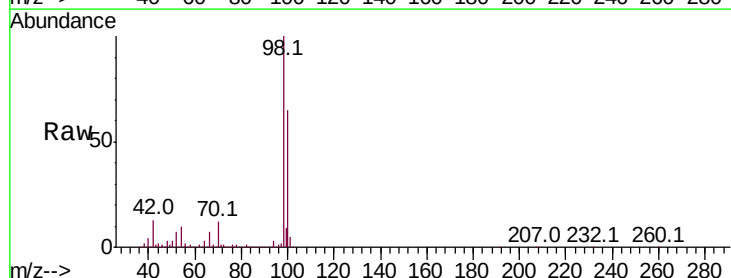


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

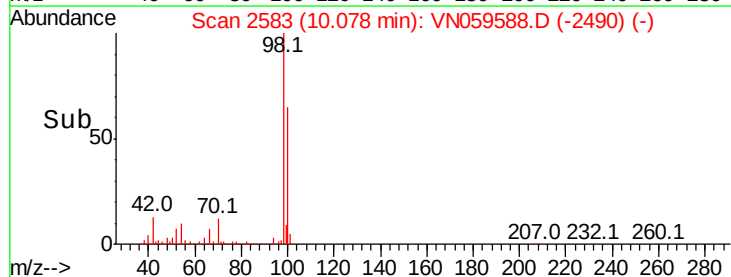
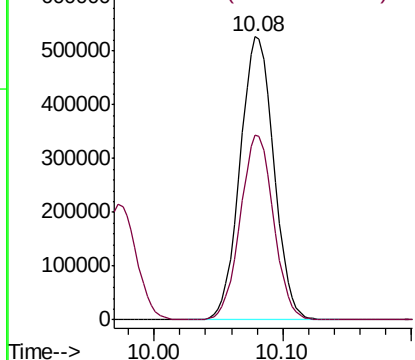


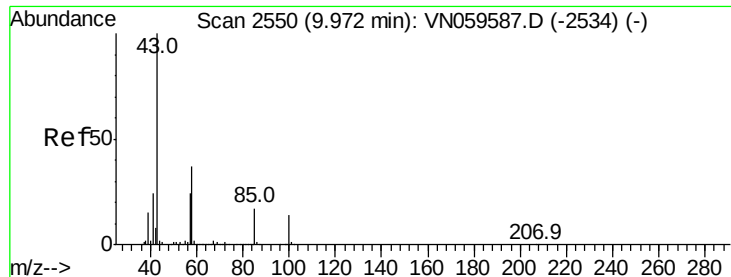
#50
Toluene-d8
Concen: 94.961 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 98 Resp: 959118
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



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

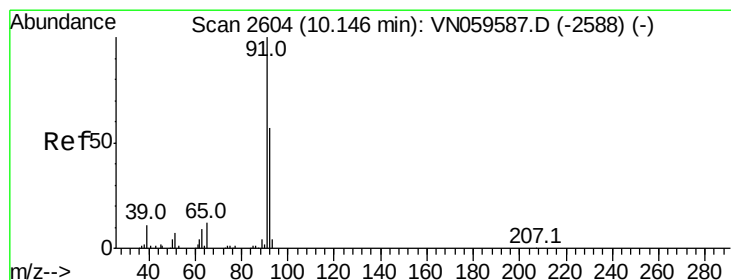
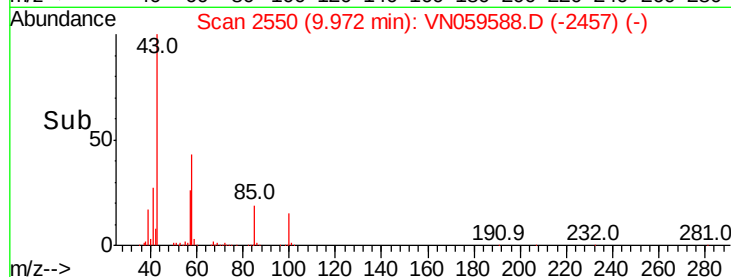
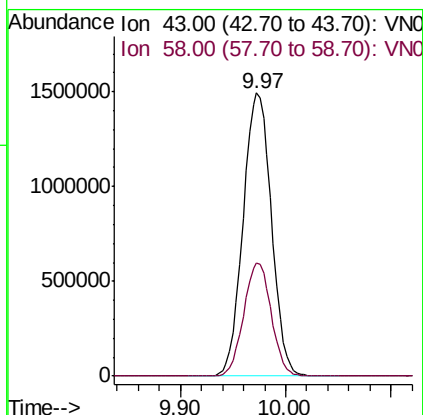
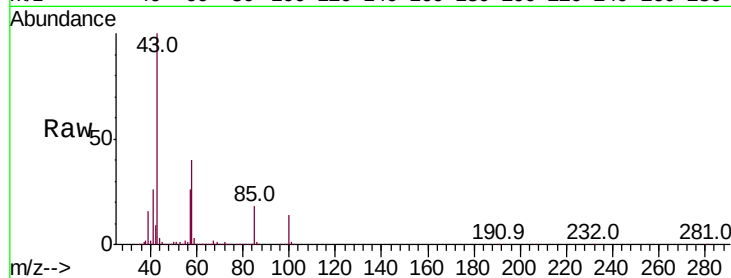




#51
4-Methyl-2-Pentanone
Concen: 655.598 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

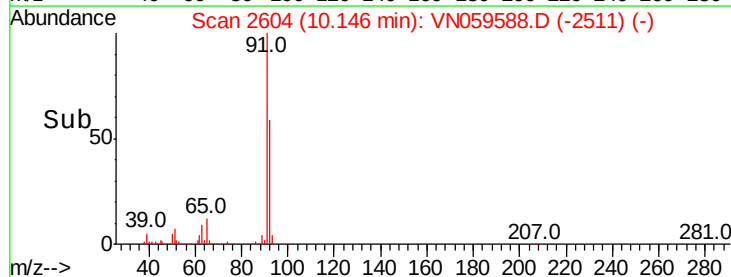
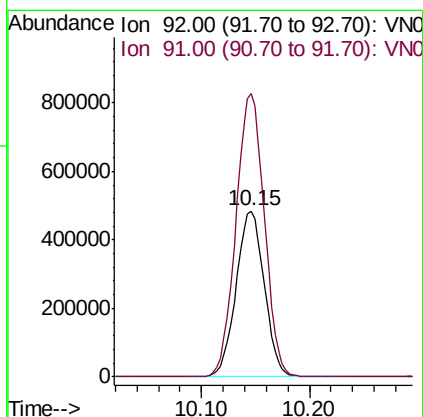
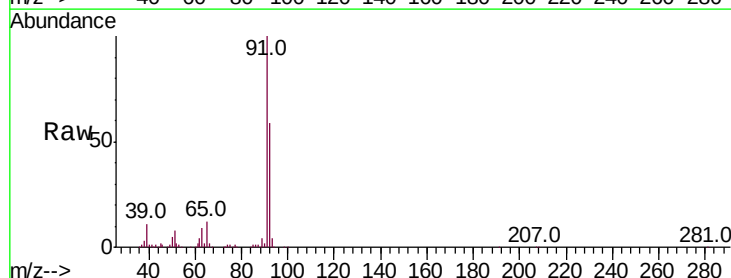
Instrument :
MSVOA_N
ClientSampleId :

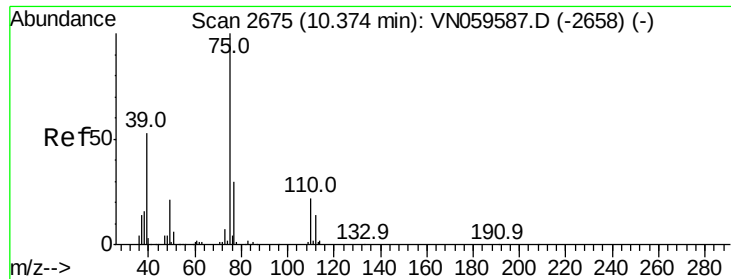
Tot Ion: 43 Resp: 2783496
Ion Ratio Lower Upper
43 100
58 39.0 29.8 44.8



#52
Toluene
Concen: 122.210 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 92 Resp: 879916
Ion Ratio Lower Upper
92 100
91 173.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 124.119 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

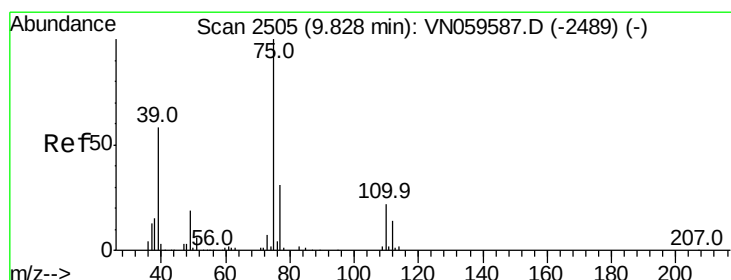
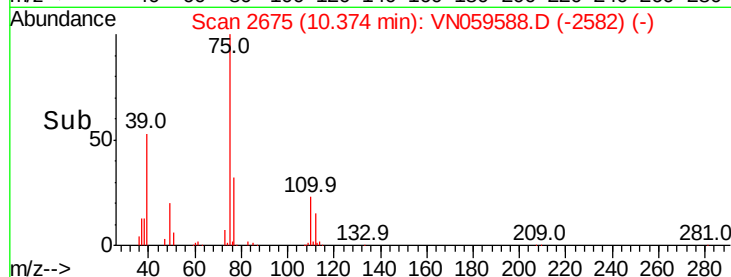
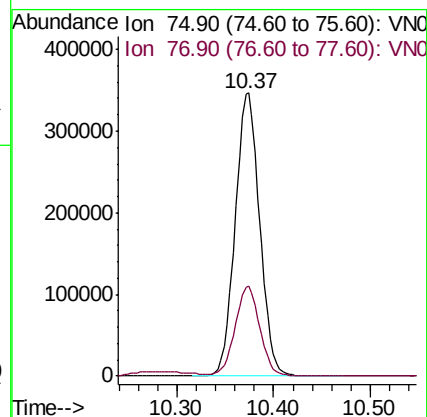
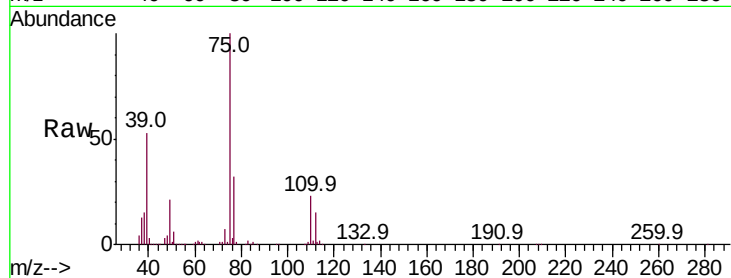
ClientSampleId :

Tot Ion: 75 Resp: 608037

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 126.179 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

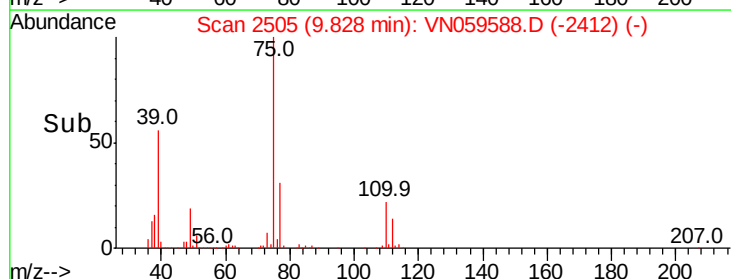
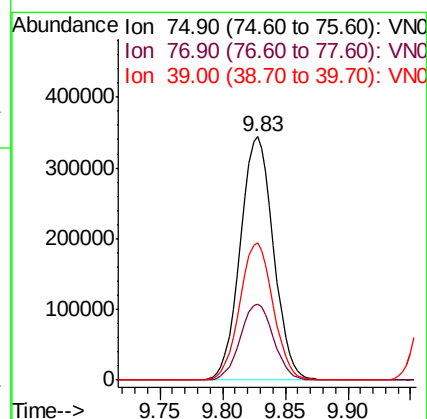
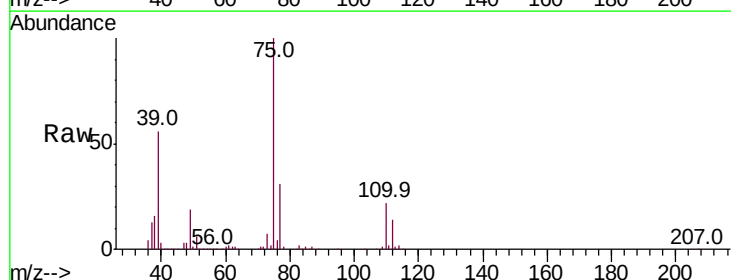
Tgt Ion: 75 Resp: 633573

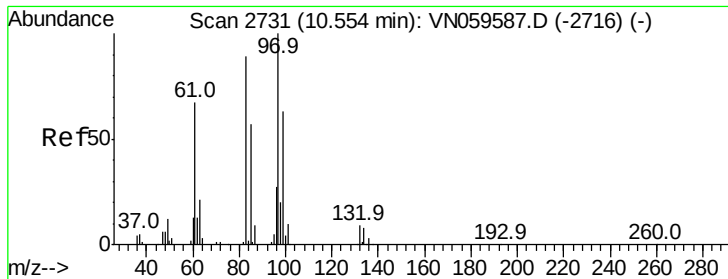
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 56.1 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 119.334 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

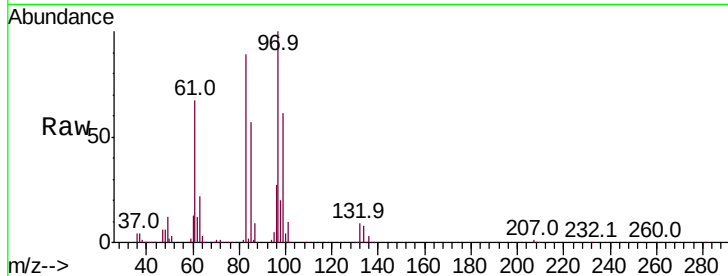
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 347565

Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.3	106.9
85	56.7	45.8	68.8
99	61.1	50.0	75.0



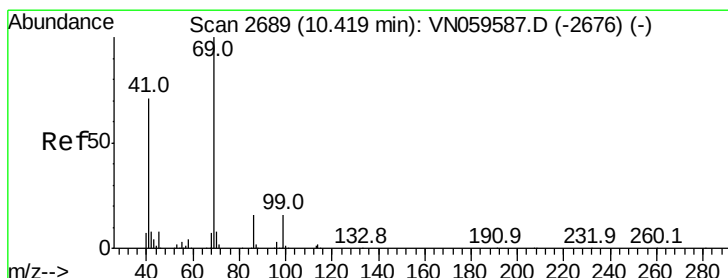
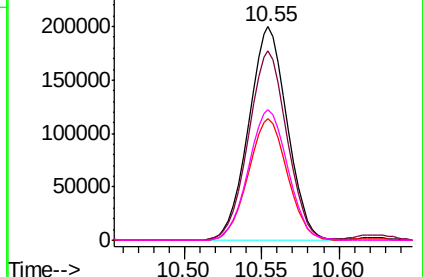
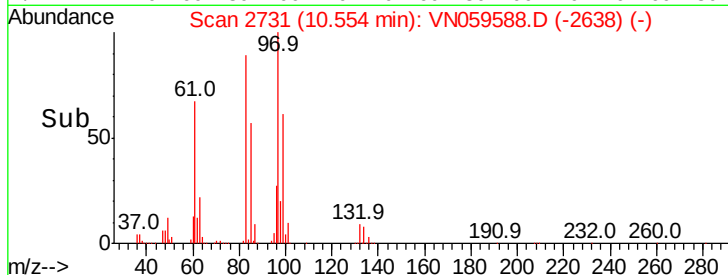
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 135.974 ug/l

RT: 10.42 min Scan# 2690

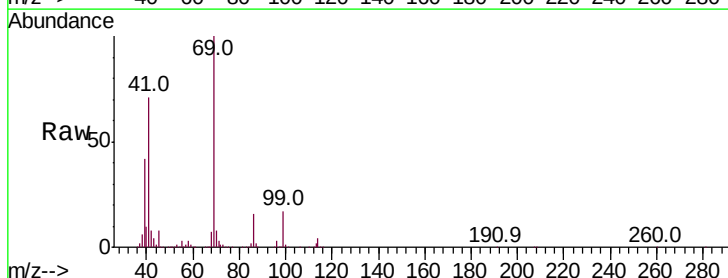
Delta R.T. 0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Tgt Ion: 69 Resp: 585289

Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.1	85.7
39	42.6	34.7	52.1

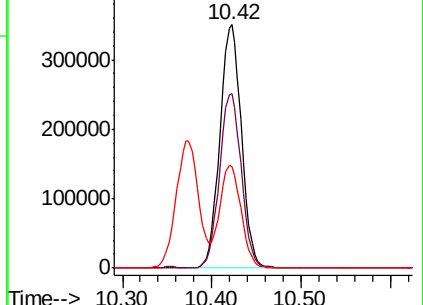
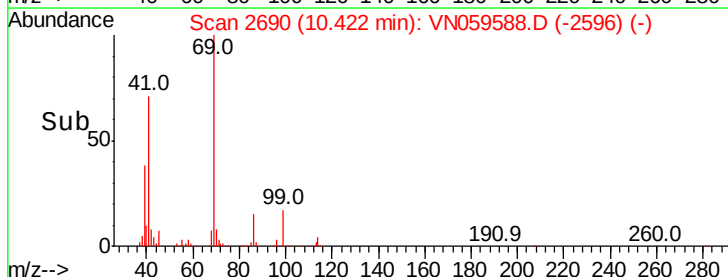


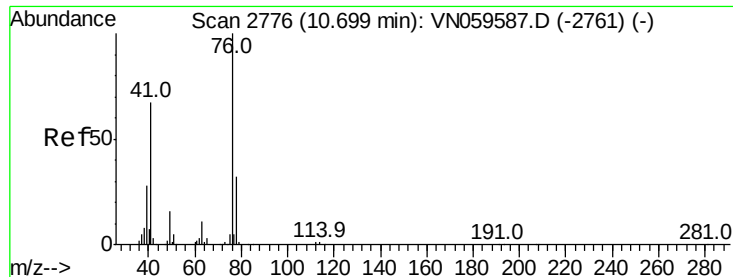
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 122.370 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

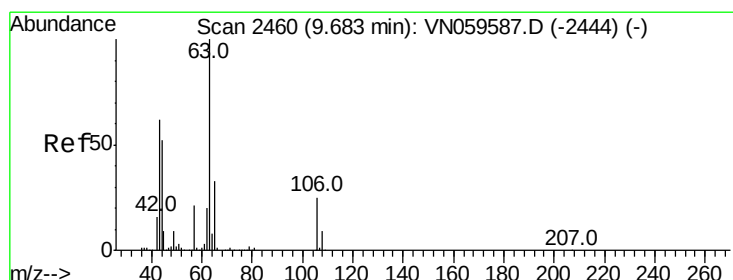
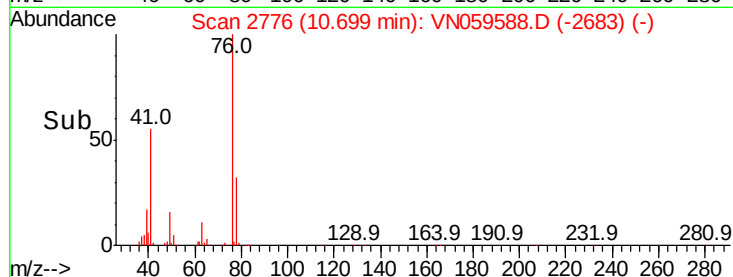
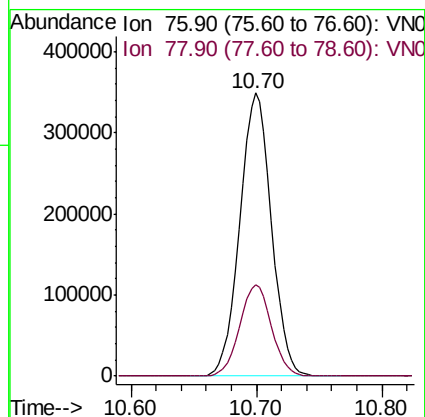
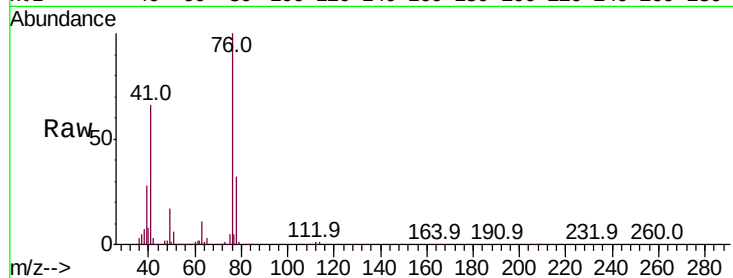
ClientSampleId :

Tot Ion: 76 Resp: 608950

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 242.980 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059588.D

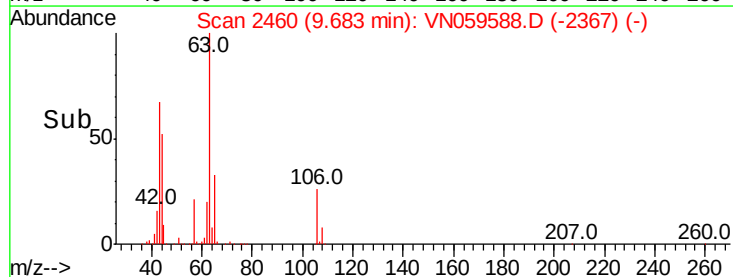
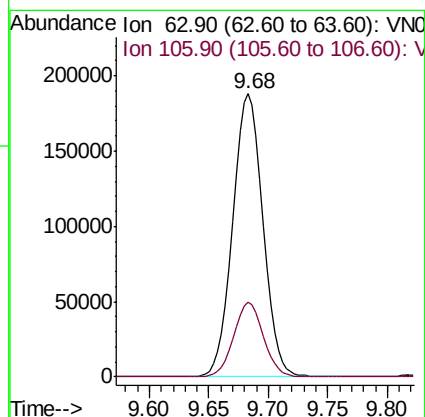
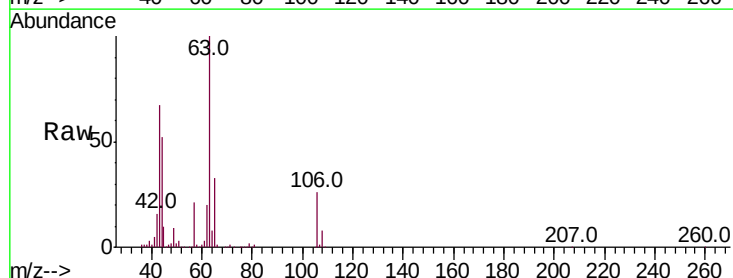
Acq: 13 Dec 2019 17:06

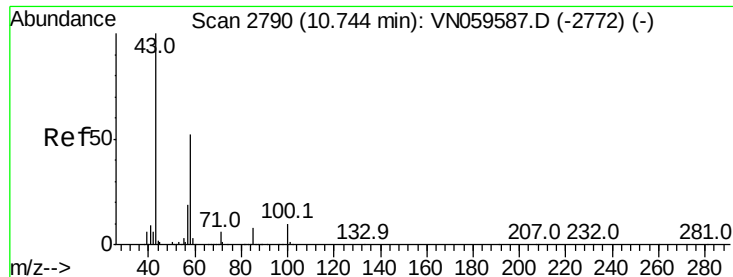
Tgt Ion: 63 Resp: 331219

Ion Ratio Lower Upper

63 100

106 25.8 20.2 30.2

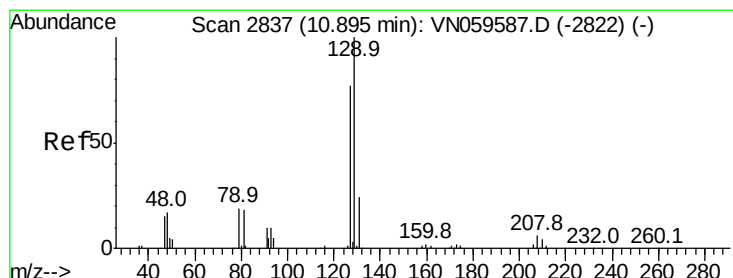
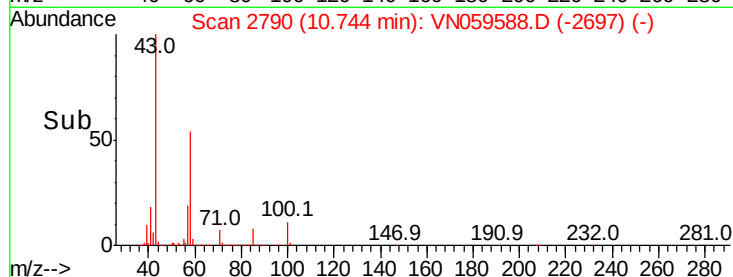
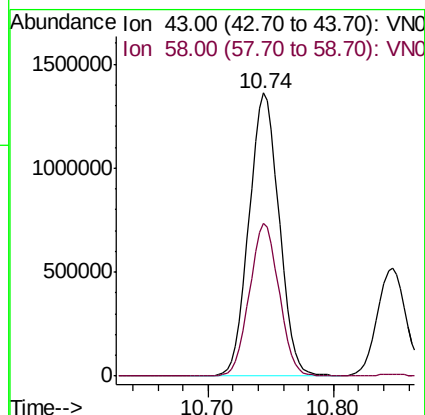
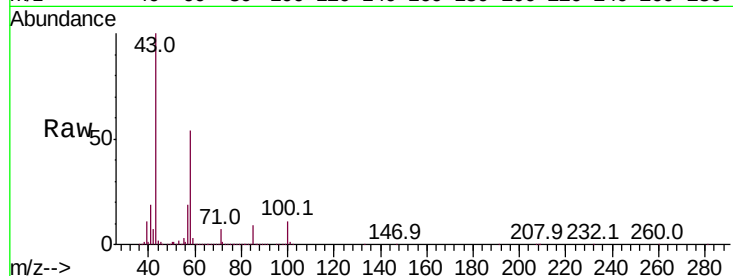




#59
2-Hexanone
Concen: 707.614 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

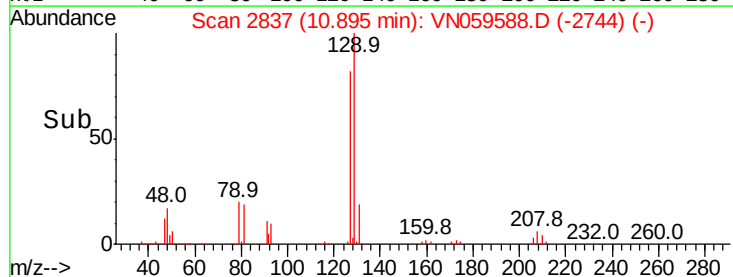
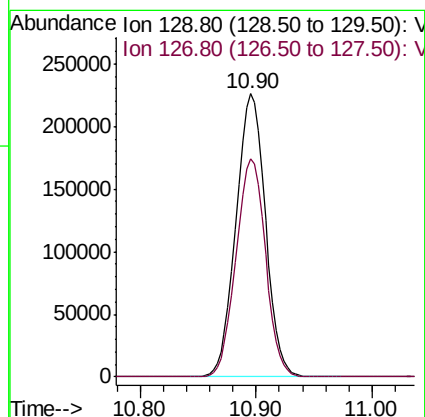
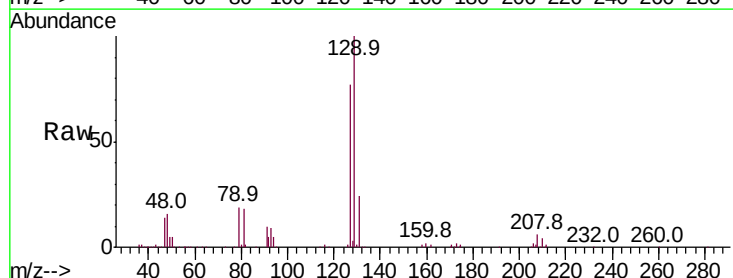
Instrument :
MSVOA_N
ClientSampleId :

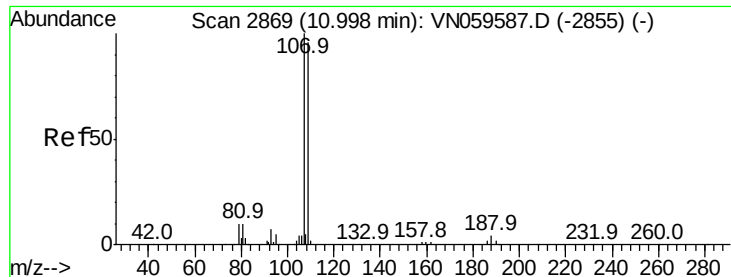
Tot Ion: 43 Resp: 2276832
Ion Ratio Lower Upper
43 100
58 53.2 25.8 77.3



#60
Dibromochloromethane
Concen: 125.850 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 129 Resp: 397379
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 123.595 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

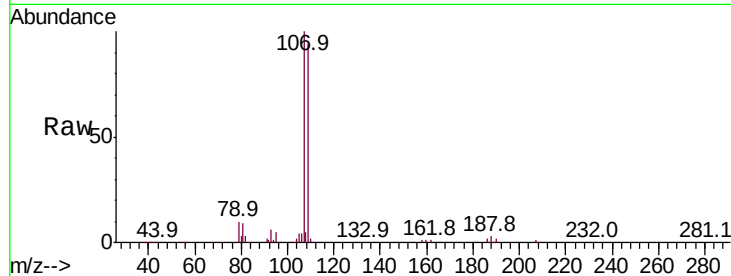
ClientSampleId :

Tot Ion:107 Resp: 374218

Ion Ratio Lower Upper

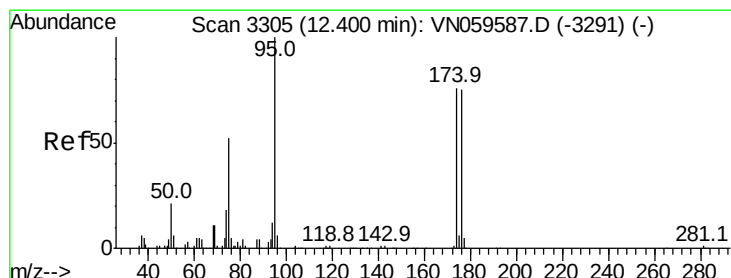
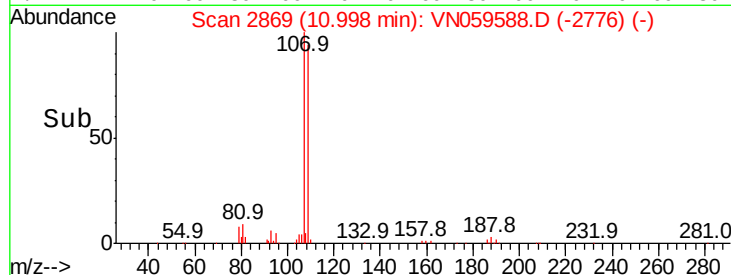
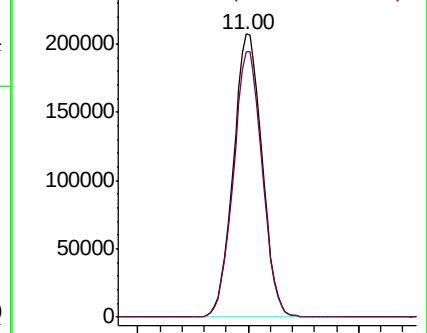
107 100

109 94.1 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 99.087 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

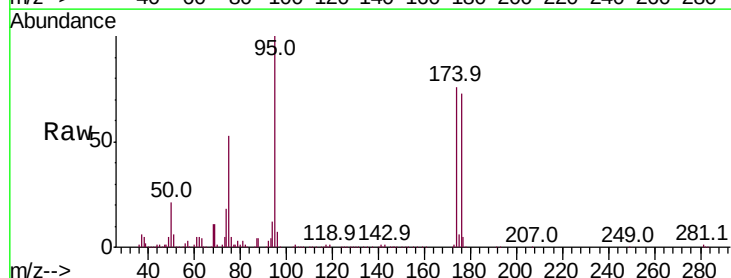
Tgt Ion: 95 Resp: 361702

Ion Ratio Lower Upper

95 100

174 75.5 0.0 151.4

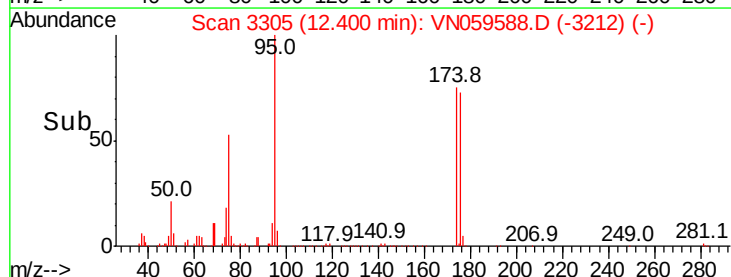
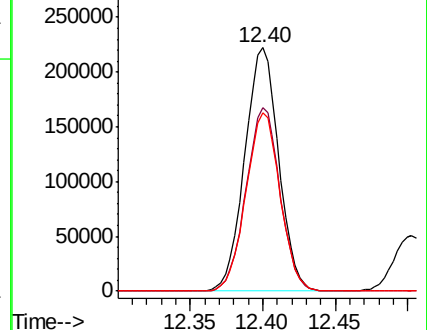
176 73.8 0.0 146.0

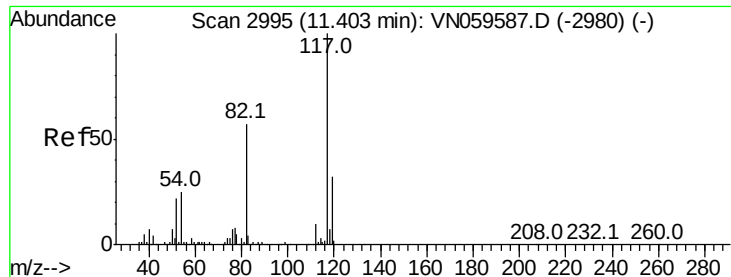


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

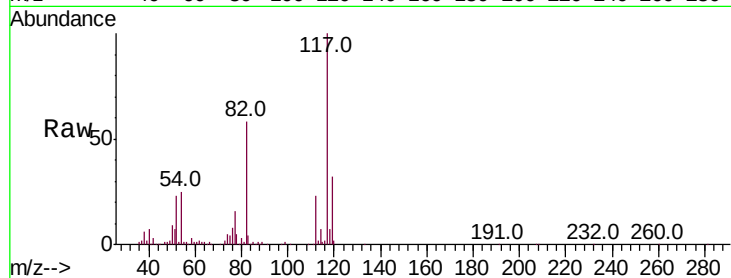
Tot Ion:117 Resp: 377103

Ion Ratio Lower Upper

117 100

82 58.3 45.9 68.9

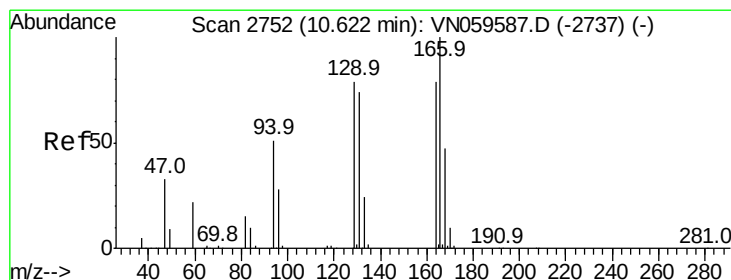
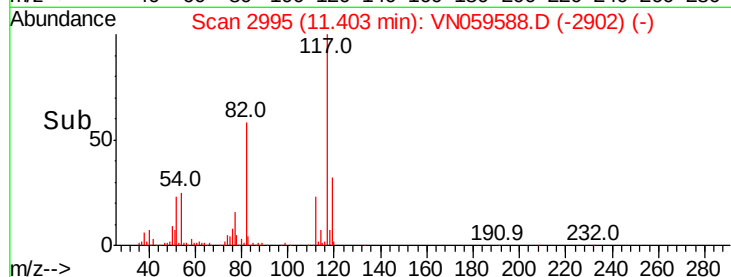
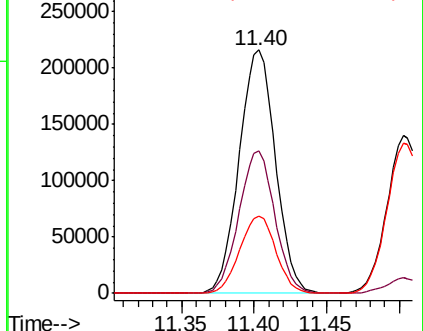
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 134.989 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Tgt Ion:164 Resp: 394993

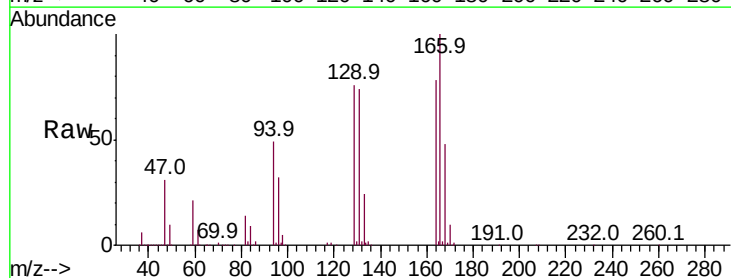
Ion Ratio Lower Upper

164 100

166 128.8 101.4 152.0

129 97.9 80.2 120.4

131 95.5 75.0 112.4

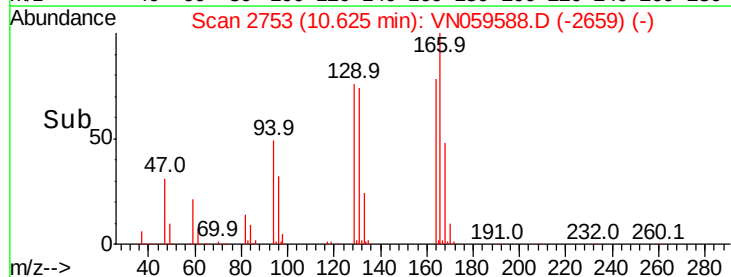
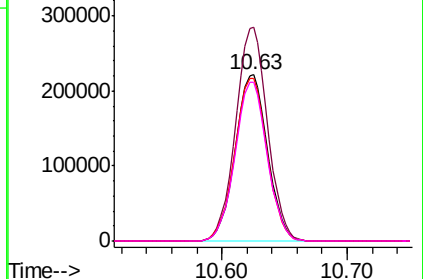


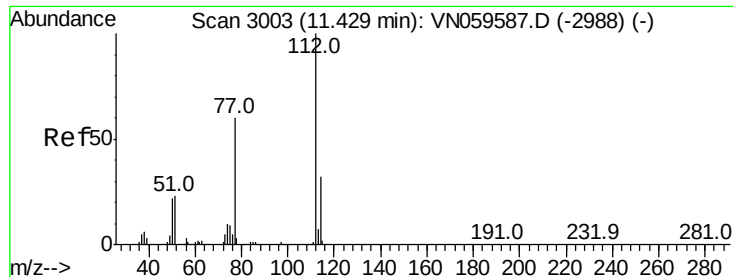
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 115.819 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

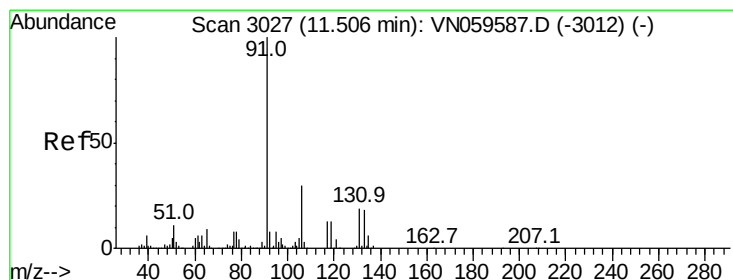
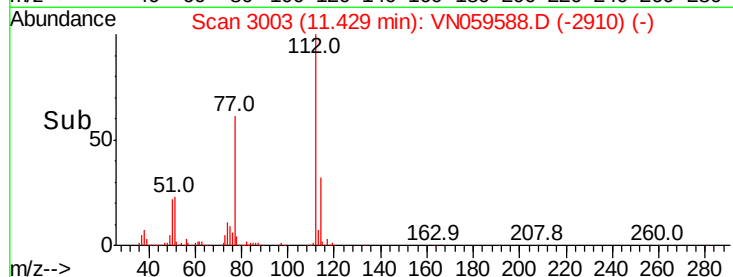
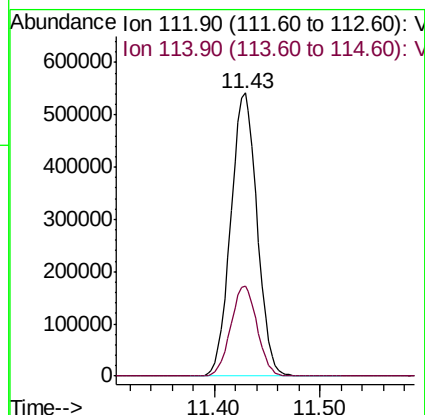
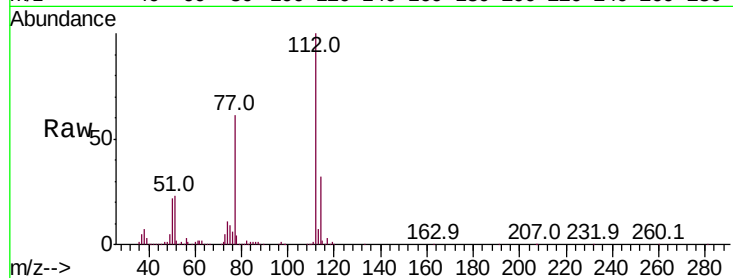
ClientSampled :

Tot Ion:112 Resp: 932594

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 117.947 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

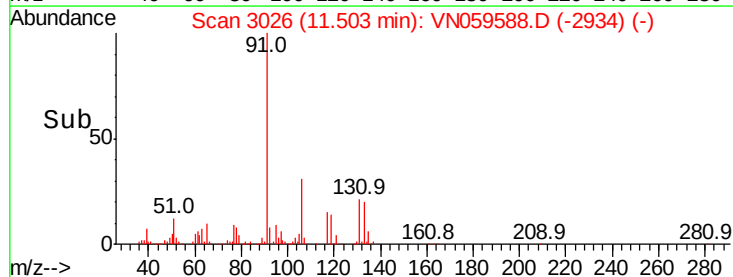
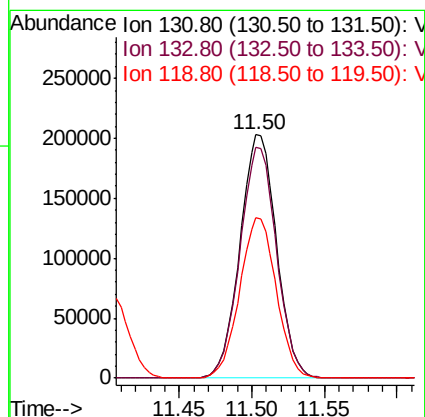
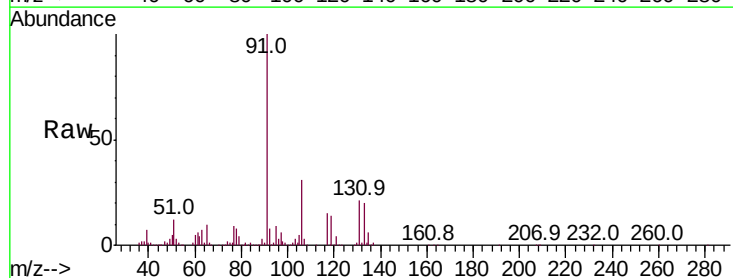
Tgt Ion:131 Resp: 354802

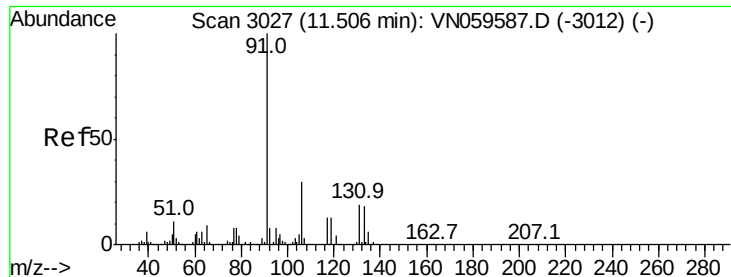
Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.2

119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 118.900 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

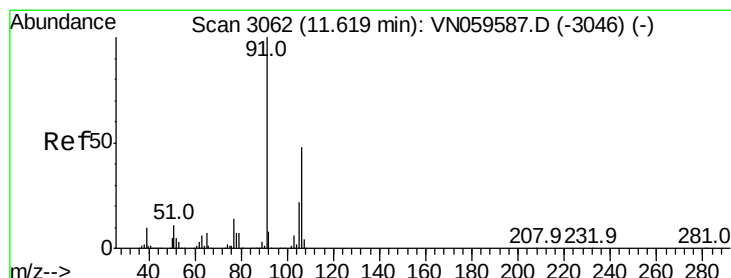
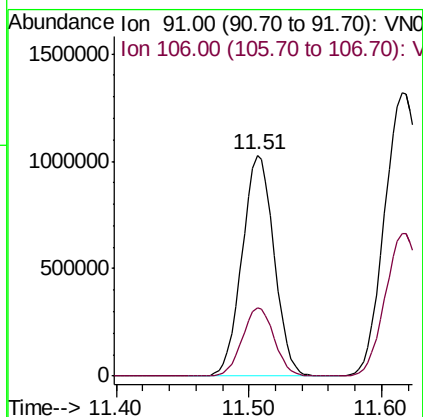
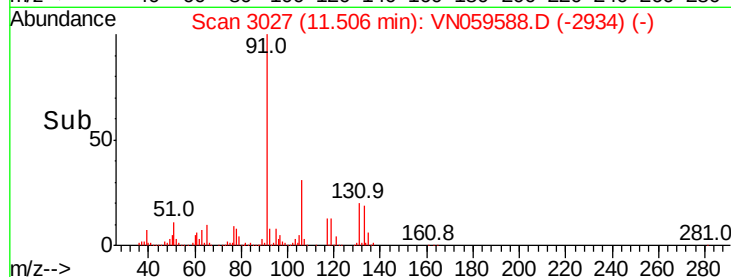
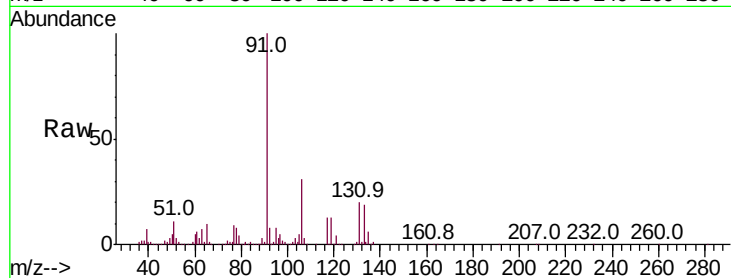
ClientSampleId :

Tot Ion: 91 Resp: 1720303

Ion Ratio Lower Upper

91 100

106 30.9 24.1 36.1



#68

m/p-Xylenes

Concen: 240.748 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059588.D

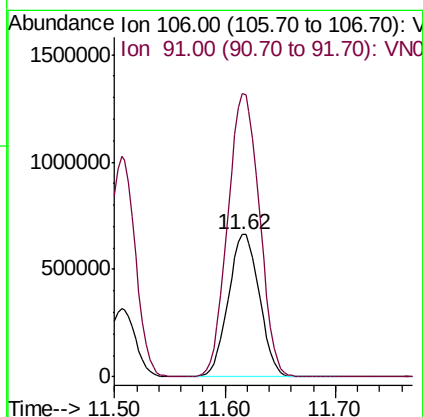
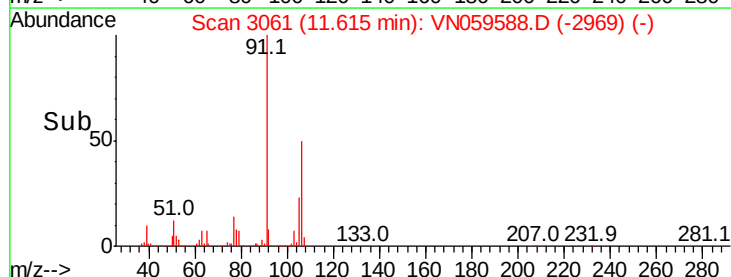
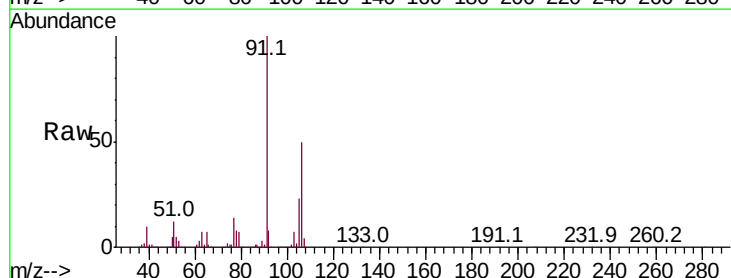
Acq: 13 Dec 2019 17:06

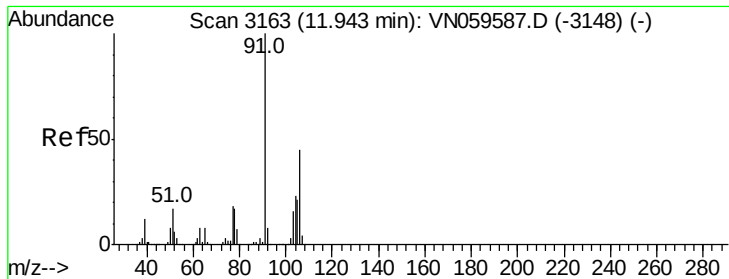
Tgt Ion: 106 Resp: 1290339

Ion Ratio Lower Upper

106 100

91 203.7 167.9 251.9

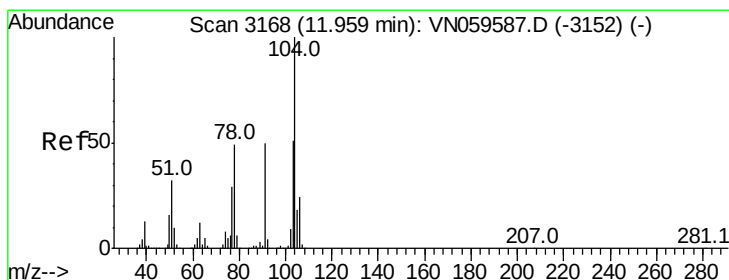
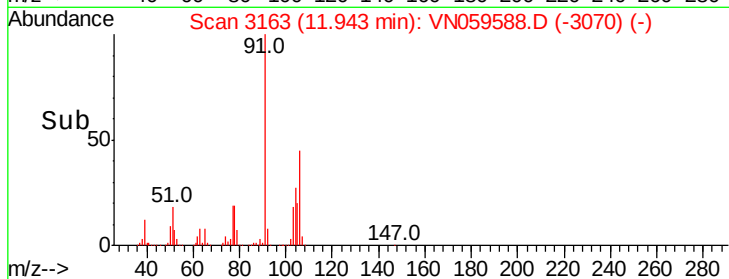
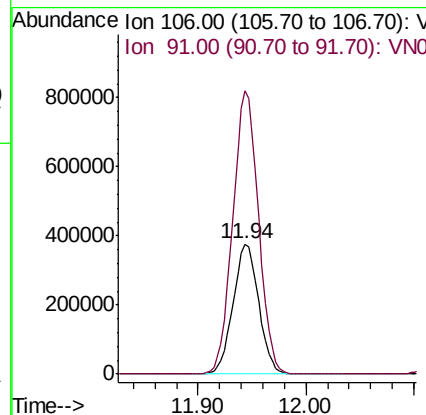
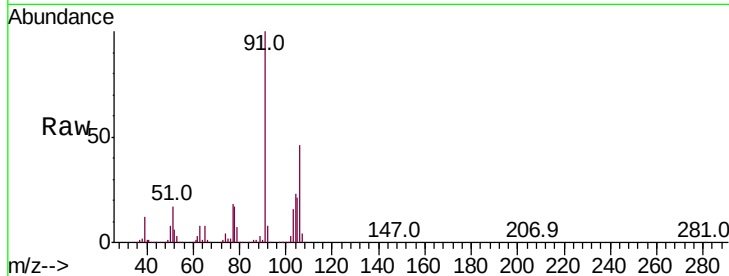




#69
o-Xylene
Concen: 124.429 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

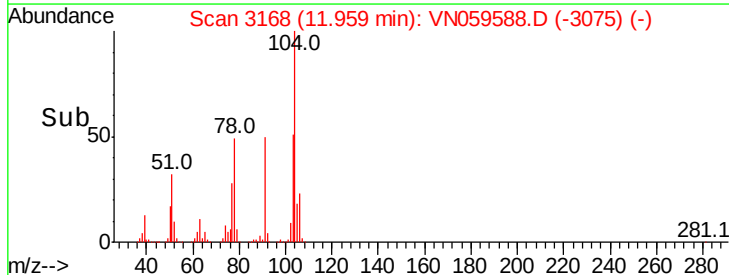
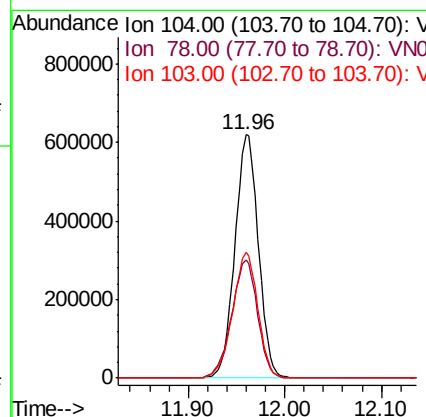
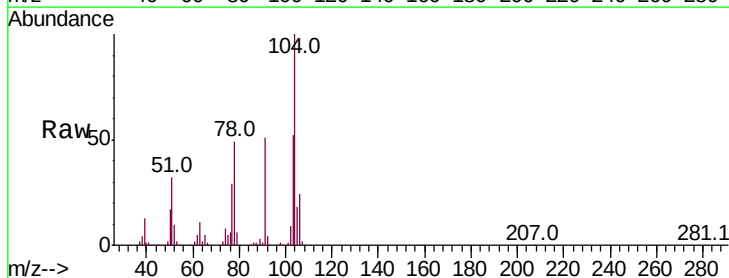
Instrument :
MSVOA_N
ClientSampled :

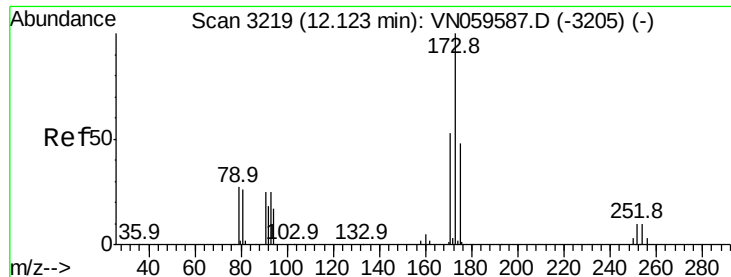
Tot Ion:106 Resp: 622684
Ion Ratio Lower Upper
106 100
91 219.0 110.3 330.9



#70
Styrene
Concen: 126.197 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion:104 Resp: 1045850
Ion Ratio Lower Upper
104 100
78 53.4 42.4 63.6
103 55.6 43.9 65.9

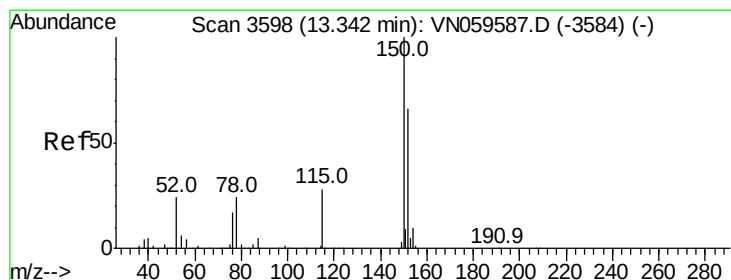
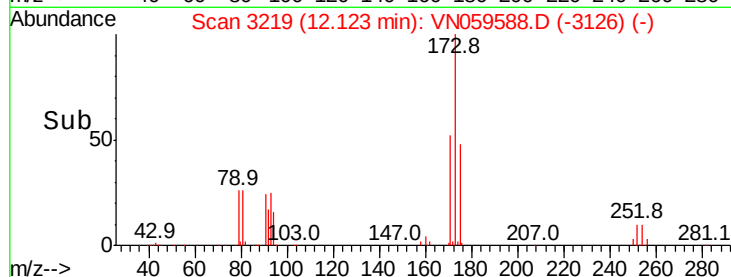
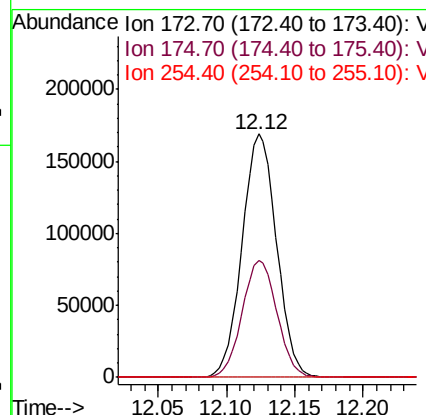
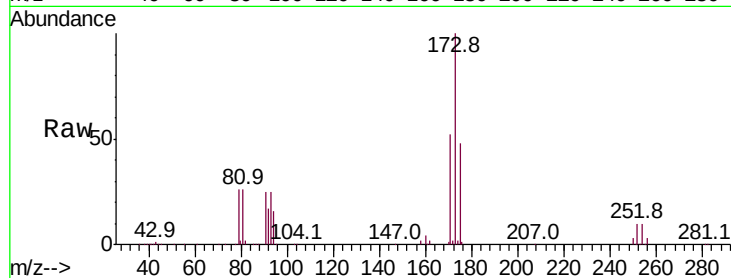




#71
Bromoform
Concen: 126.914 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

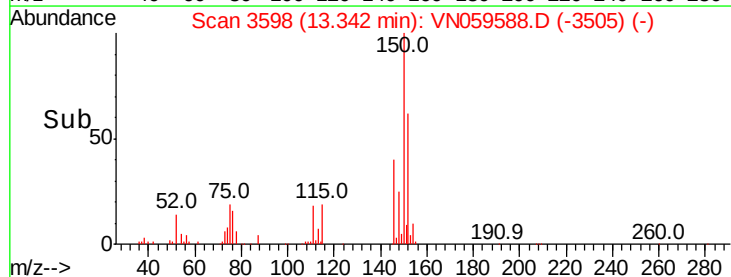
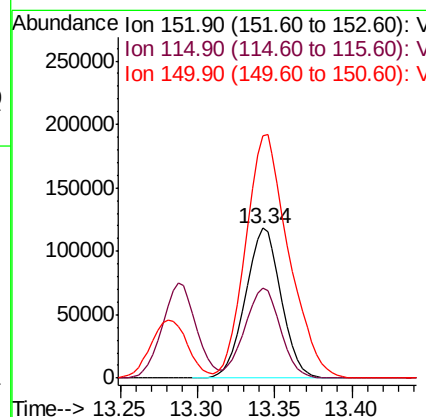
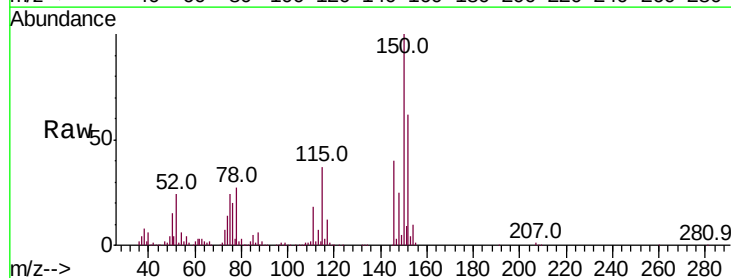
Instrument :
MSVOA_N
ClientSampled :

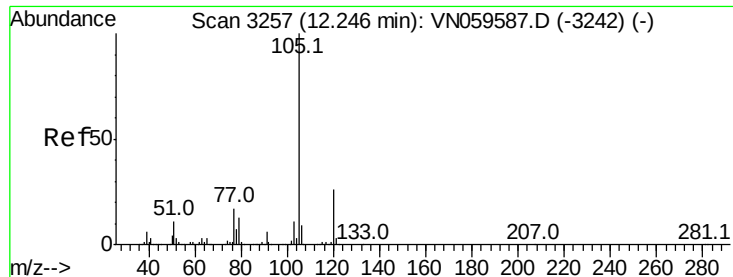
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.4
254	0.1	0.0	0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.3	90.9
150	196.4	0.0	345.2





#73

Isopropylbenzene

Concen: 113.077 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

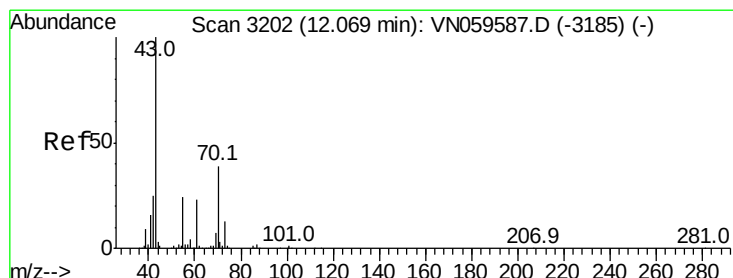
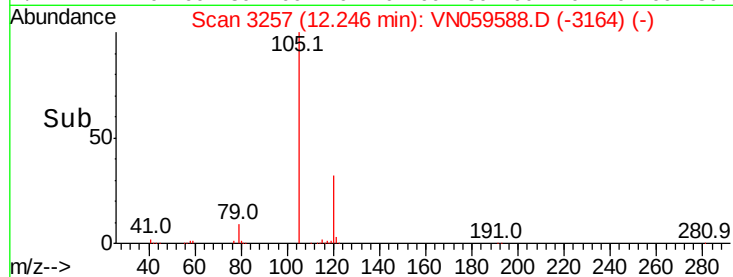
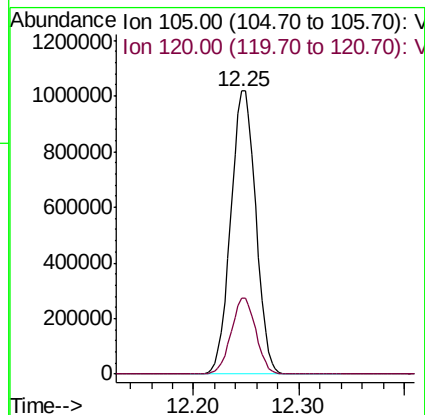
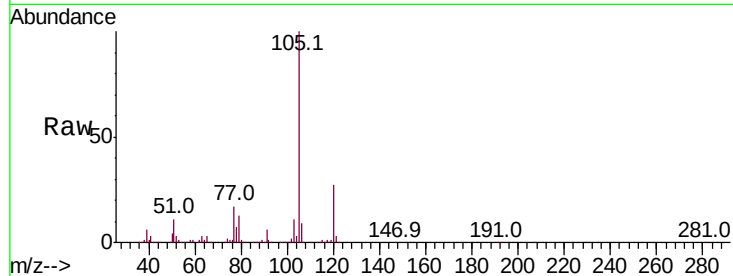
ClientSampled :

Tot Ion:105 Resp: 1672348

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 130.788 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Tgt Ion: 43 Resp: 847452

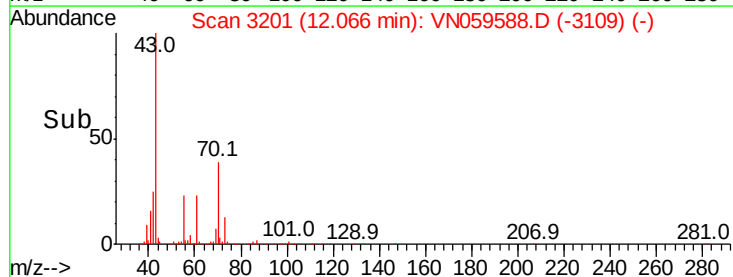
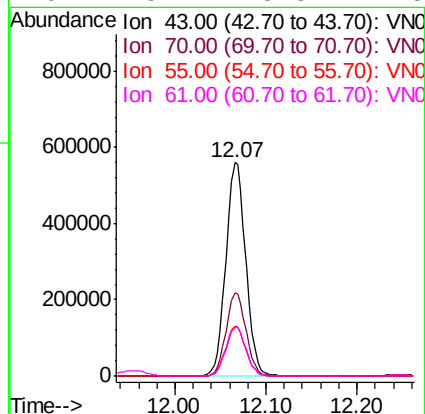
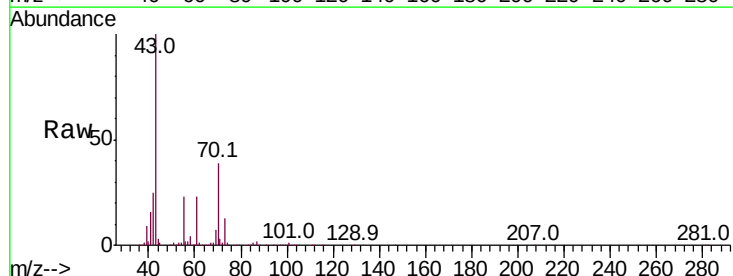
Ion Ratio Lower Upper

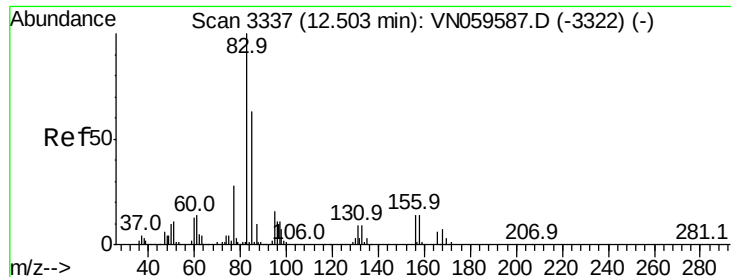
43 100

70 38.9 31.3 46.9

55 23.7 19.8 29.6

61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 107.365 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

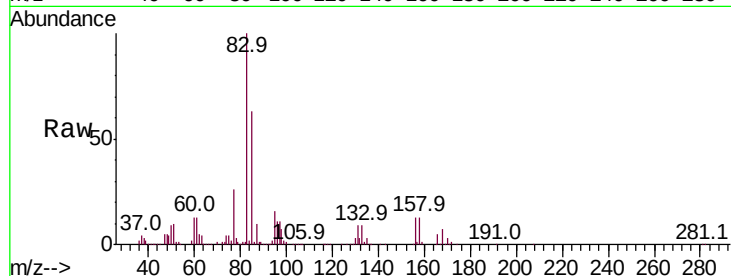
Tot Ion: 83 Resp: 529920

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

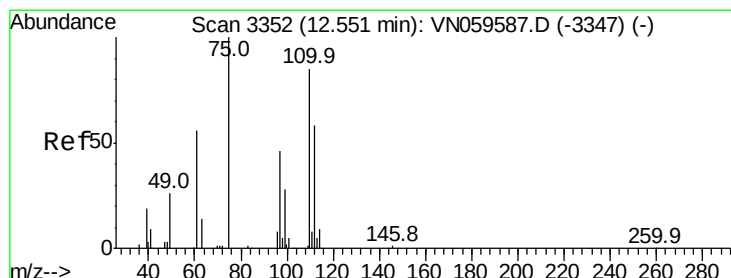
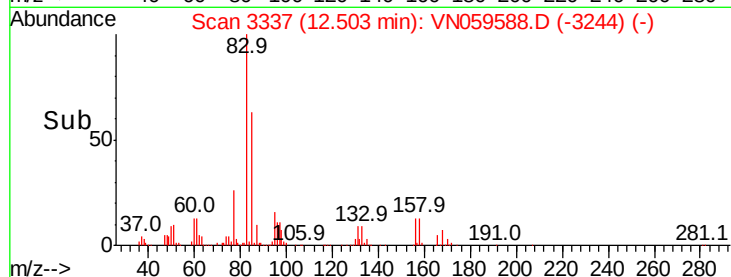
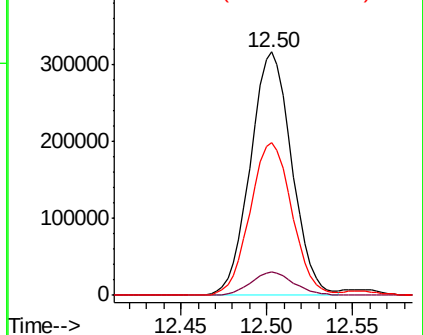
85 63.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 157.934 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059588.D

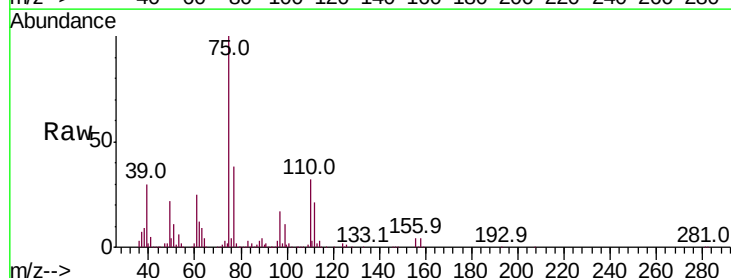
Acq: 13 Dec 2019 17:06

Tgt Ion: 75 Resp: 786214

Ion Ratio Lower Upper

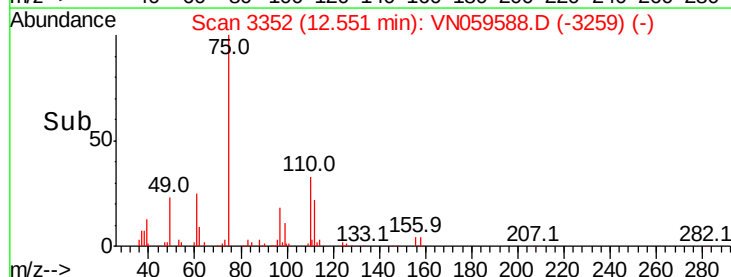
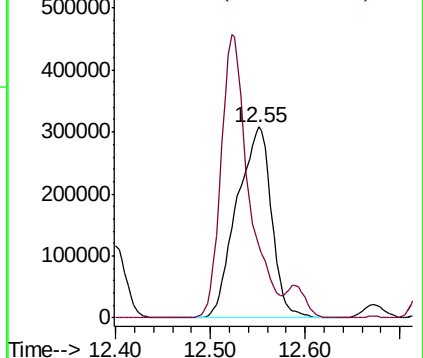
75 100

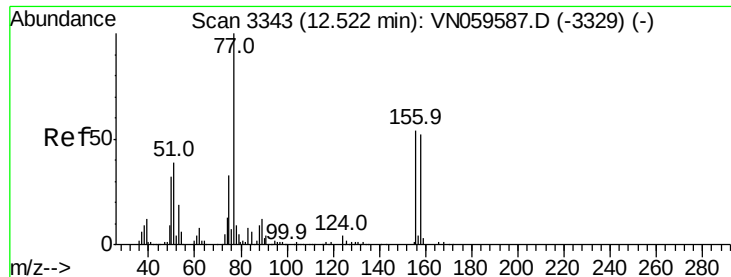
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 108.964 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

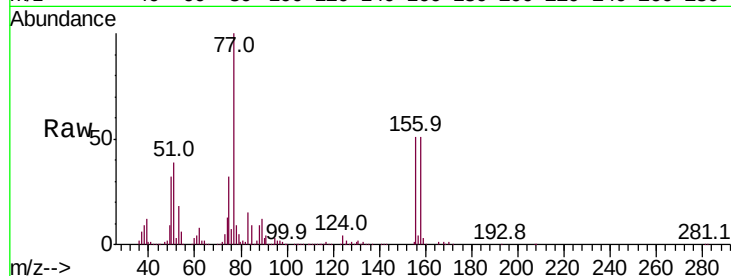
Tot Ion:156 Resp: 395278

Ion Ratio Lower Upper

156 100

77 235.5 115.8 347.4

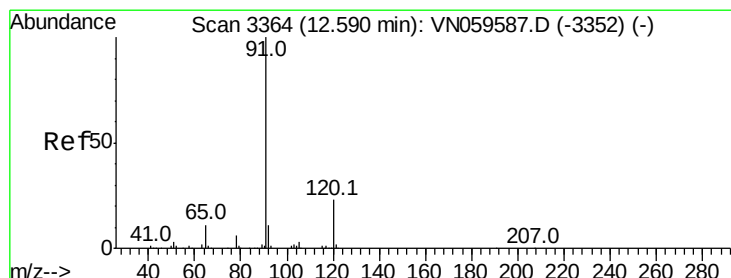
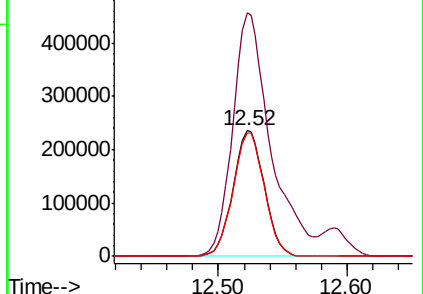
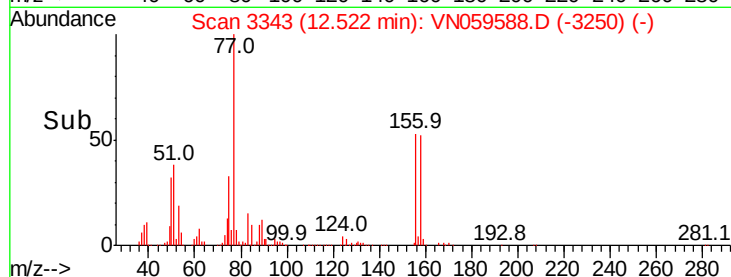
158 98.3 49.2 147.6



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: 110.334 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059588.D

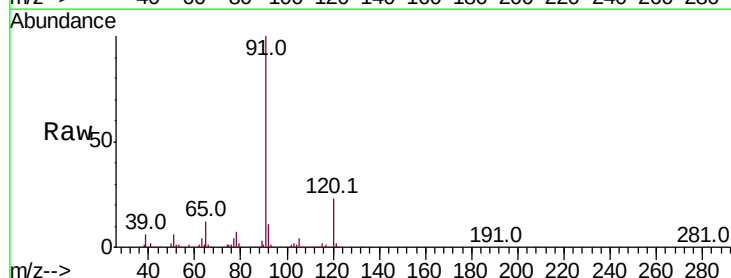
Acq: 13 Dec 2019 17:06

Tgt Ion: 91 Resp: 1983616

Ion Ratio Lower Upper

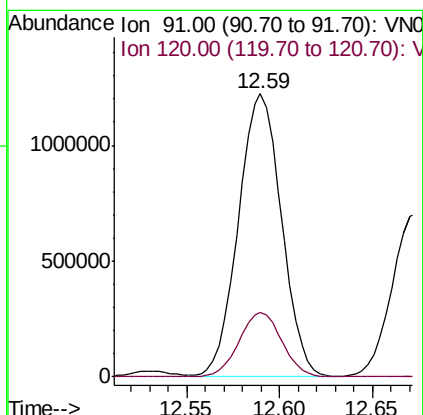
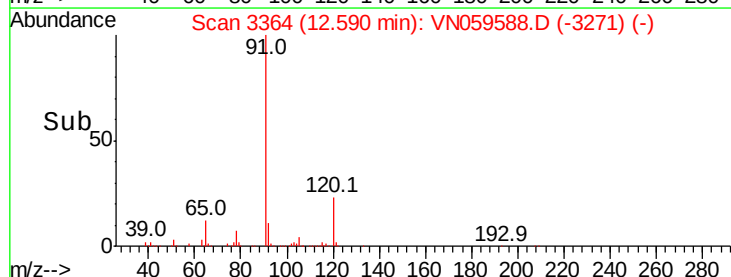
91 100

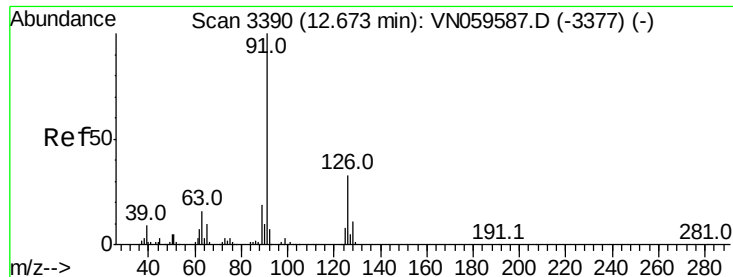
120 22.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

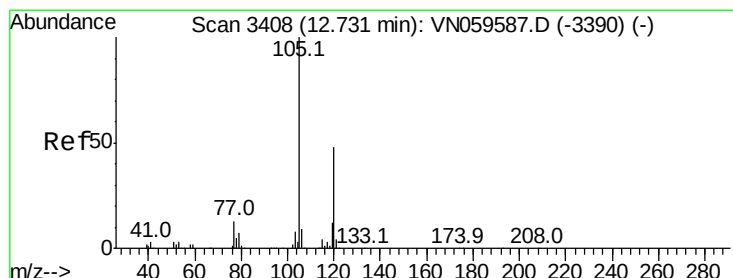
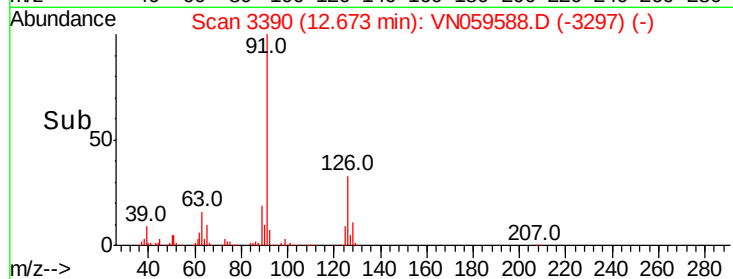
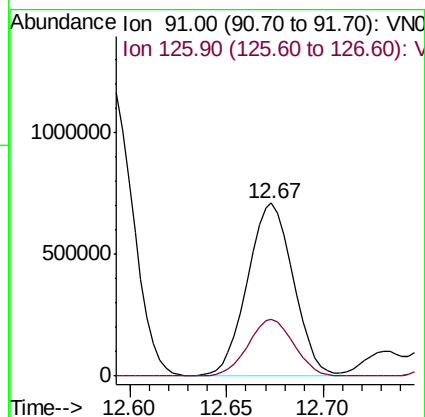
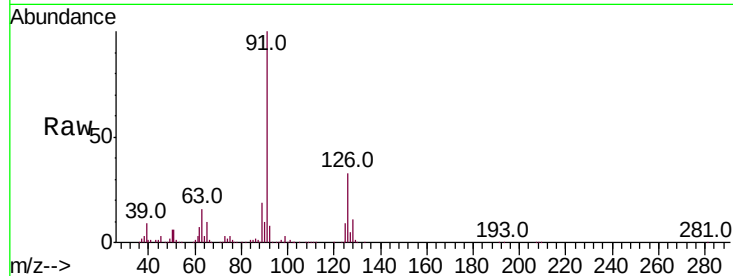




#79
 2-Chlorotoluene
 Concen: 109.594 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

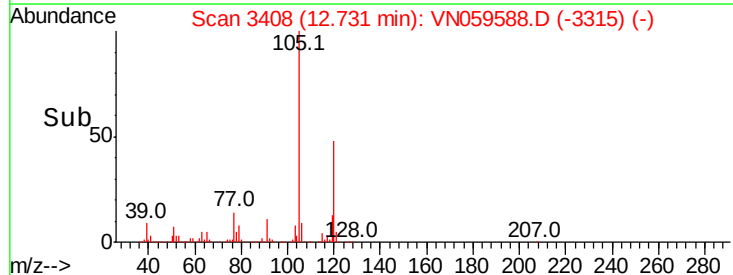
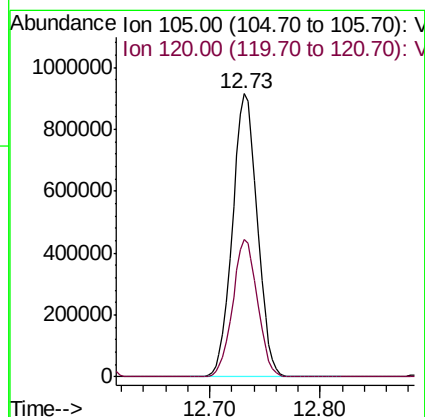
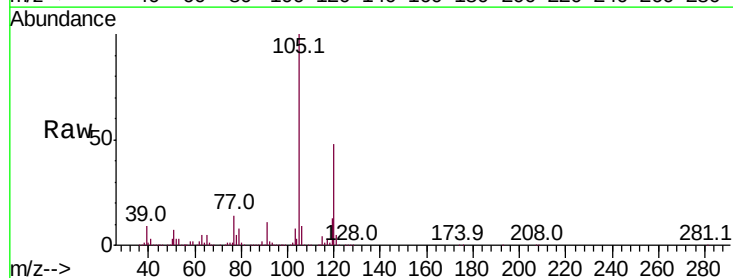
Instrument :
 MSVOA_N
 ClientSampleId :

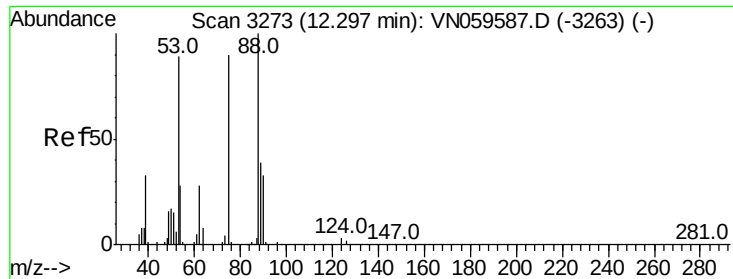
Tot Ion: 91 Resp: 1176078
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 114.473 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion:105 Resp: 1432576
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4

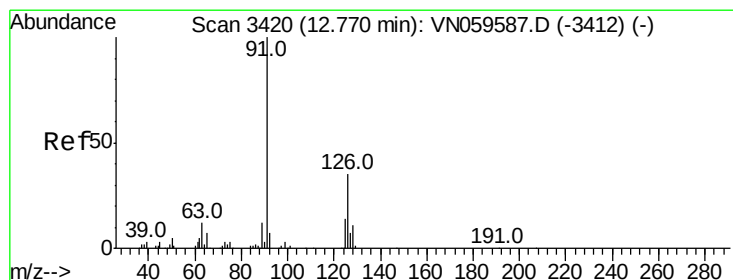
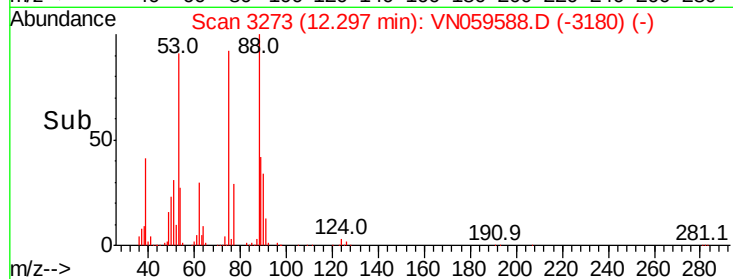
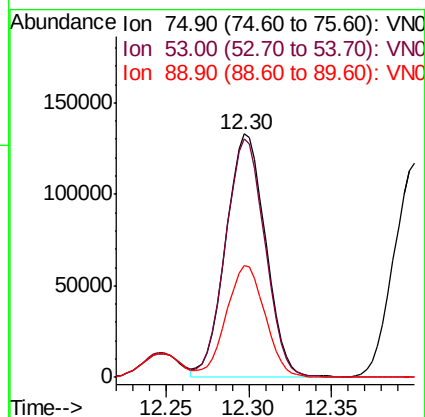
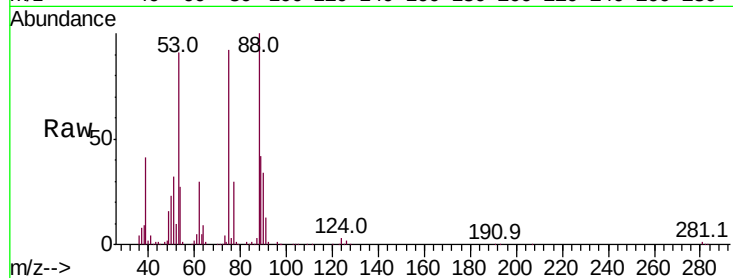




#81
trans-1,4-Dichloro-2-butene
Concen: 117.824 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

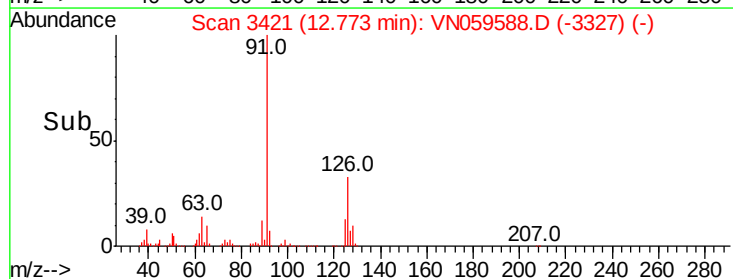
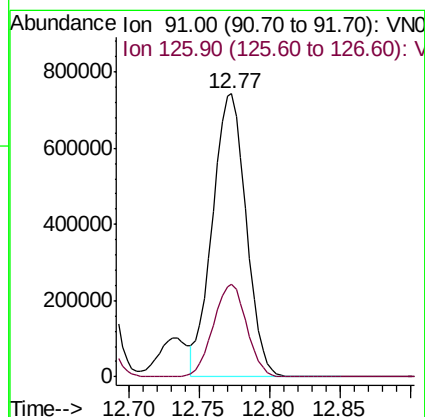
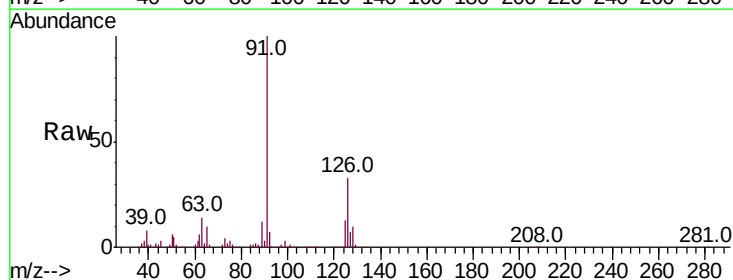
Instrument :
MSVOA_N
ClientSampleId :

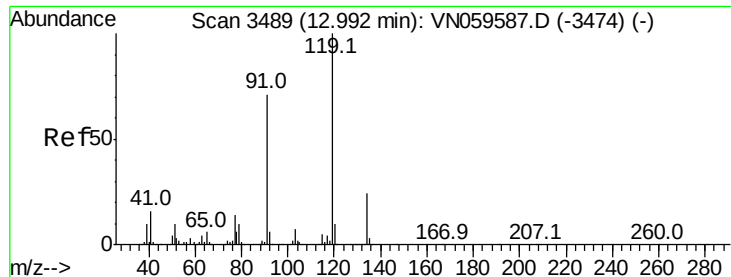
Tot Ion: 75 Resp: 222079
Ion Ratio Lower Upper
75 100
53 97.5 78.1 117.1
89 44.9 35.4 53.2



#82
4-Chlorotoluene
Concen: 112.285 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion: 91 Resp: 1227360
Ion Ratio Lower Upper
91 100
126 32.5 16.3 48.8

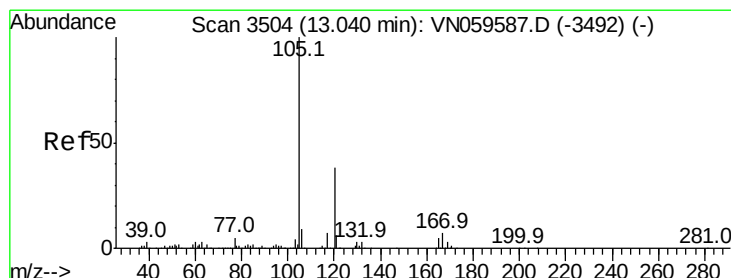
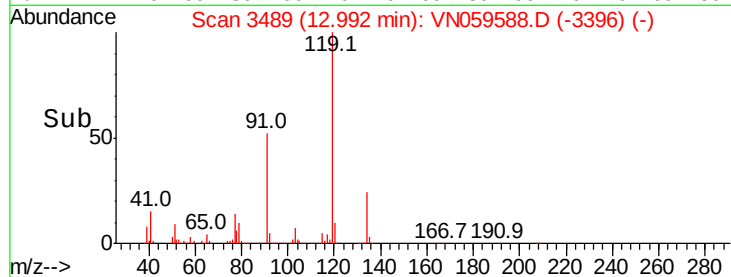
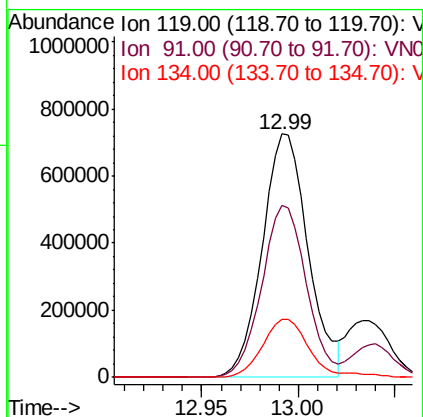
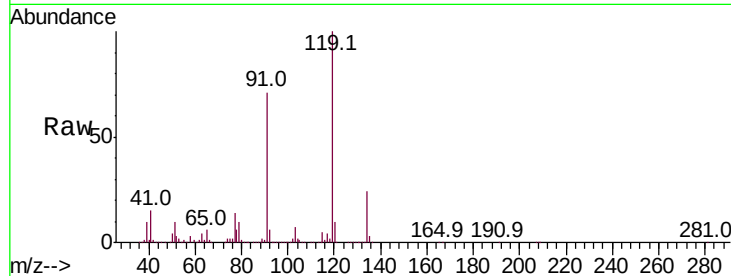




#83
 tert-Butylbenzene
 Concen: 115.333 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

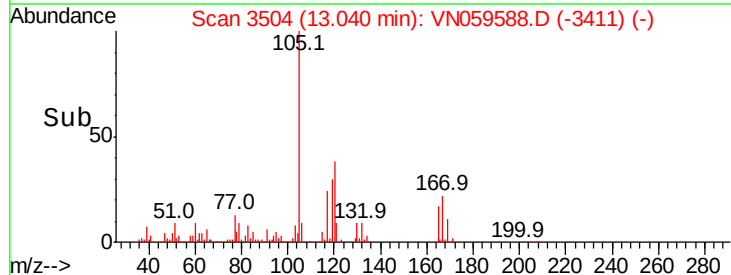
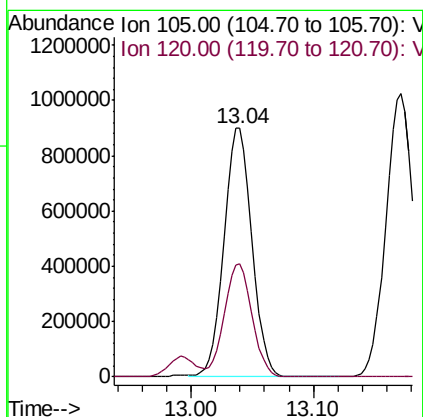
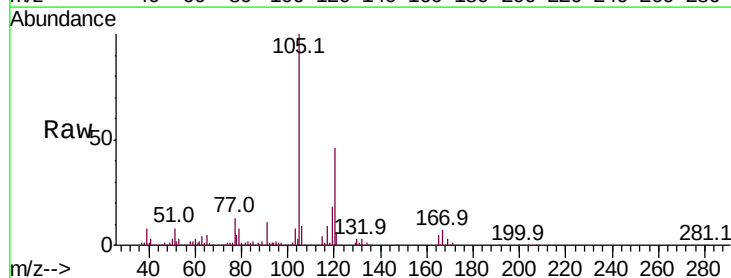
Instrument :
 MSVOA_N
 ClientSampleId :

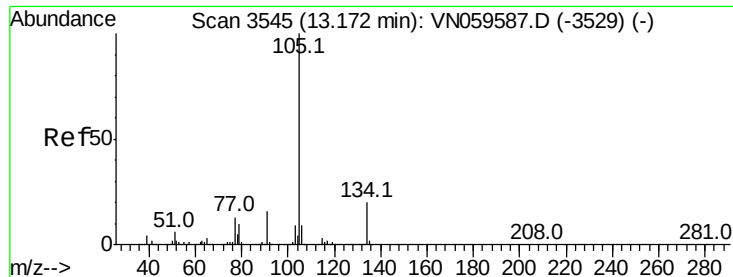
Tot Ion:119 Resp: 1201359
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.8 104.4
 134 24.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 116.978 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion:105 Resp: 1443818
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.9





#85

sec-Butylbenzene

Concen: 114.610 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

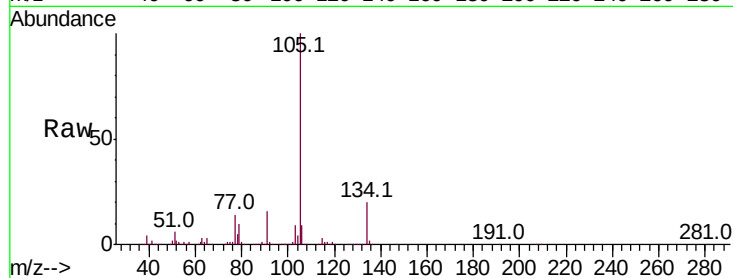
ClientSampled :

Tot Ion:105 Resp: 1635471

Ion Ratio Lower Upper

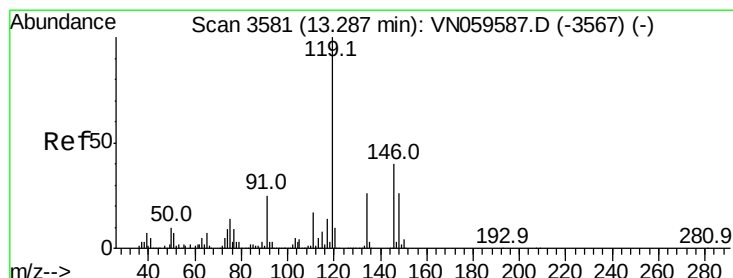
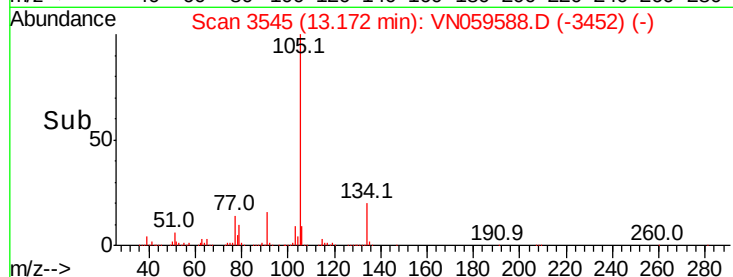
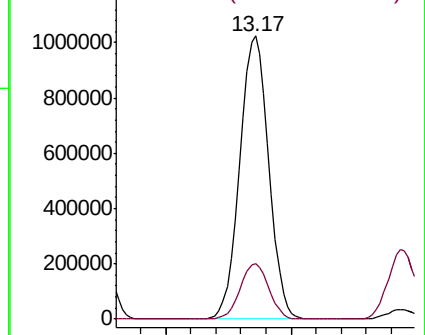
105 100

134 19.6 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: 118.137 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

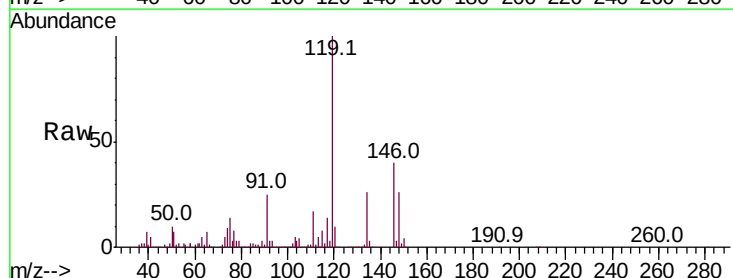
Tgt Ion:119 Resp: 1504154

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

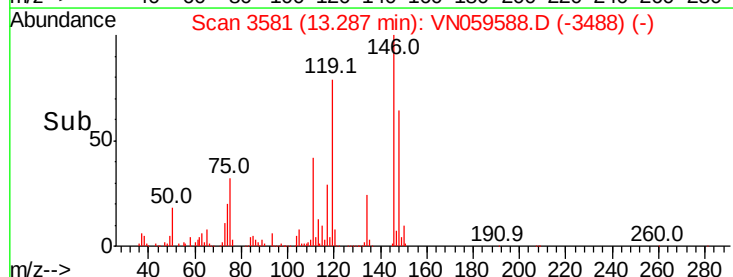
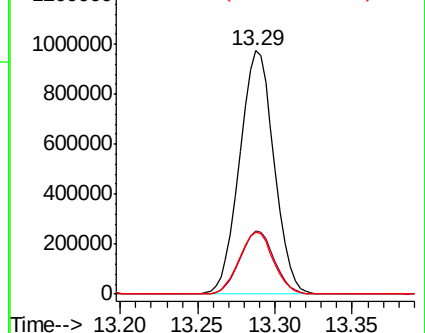
91 25.4 12.4 37.4

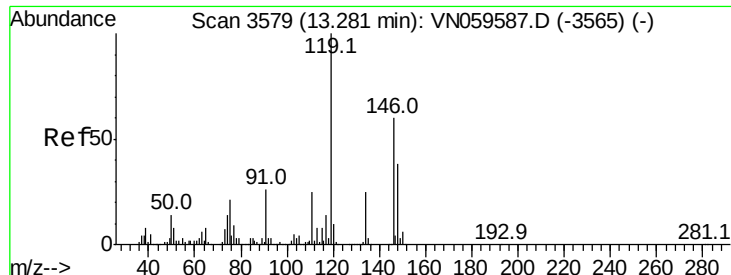


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

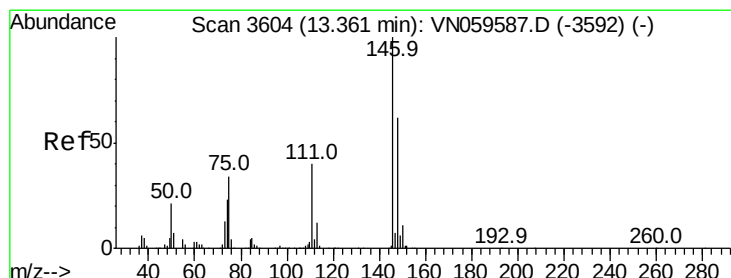
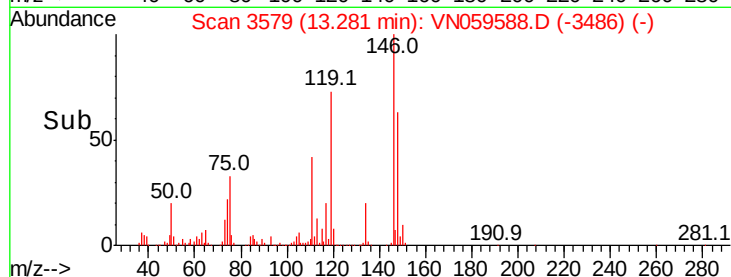
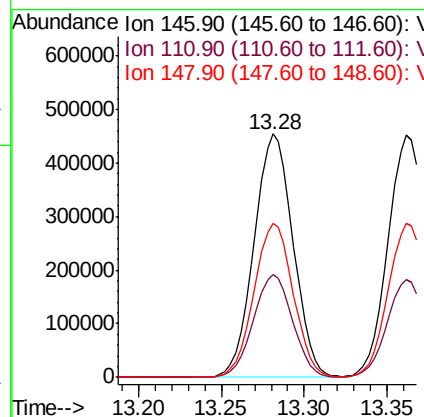
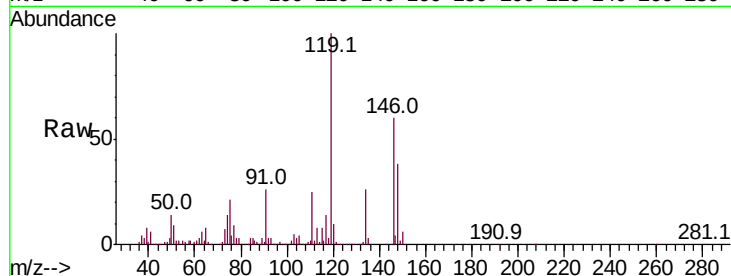




#87
 1,3-Dichlorobenzene
 Concen: 111.911 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

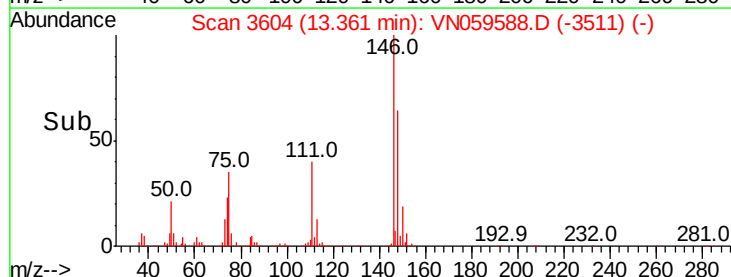
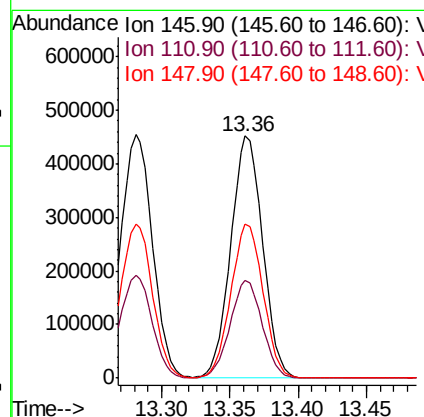
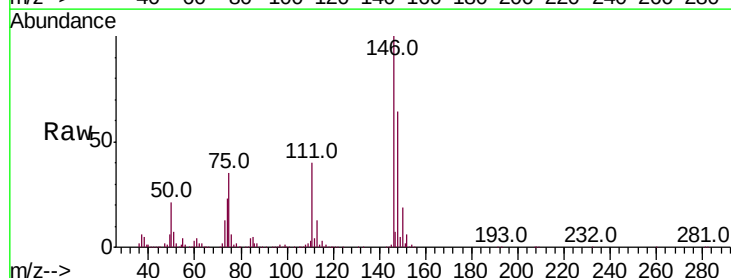
Instrument :
 MSVOA_N
 ClientSampled :

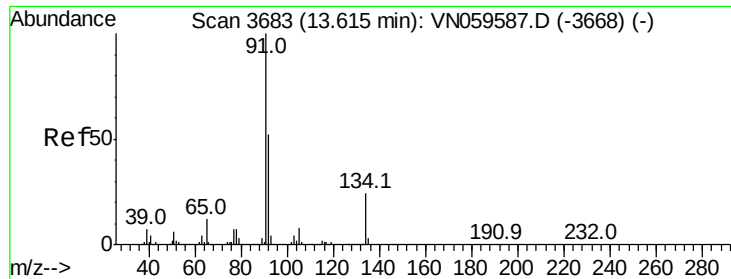
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	63.3	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 113.021 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	64.2	31.8	95.4





#89

n-Butylbenzene

Concen: 118.524 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059588.D

Acq: 13 Dec 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

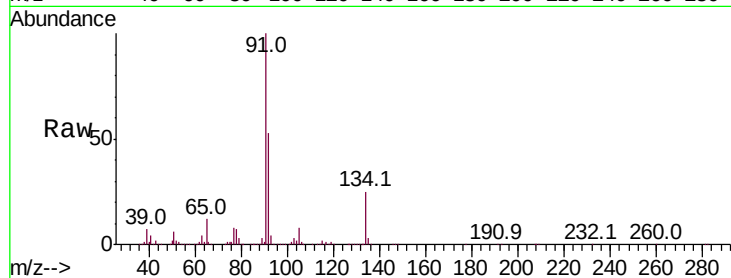
Tot Ion: 91 Resp: 1422473

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

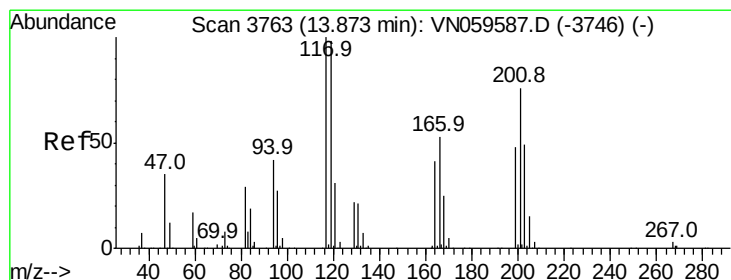
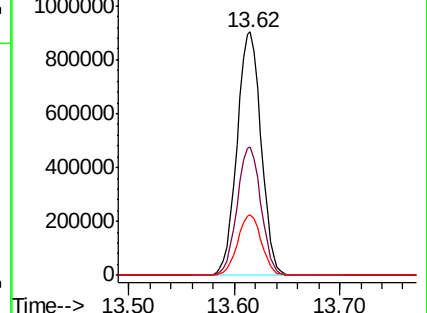
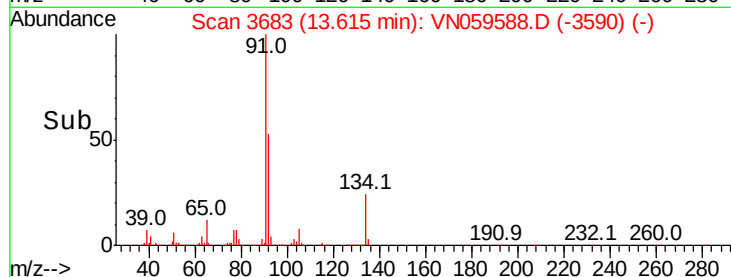
134 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059588.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059588.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059588.D (-3668) (-)



#90

Hexachloroethane

Concen: 119.916 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059588.D

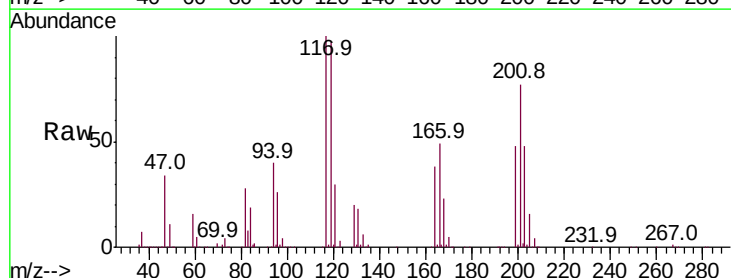
Acq: 13 Dec 2019 17:06

Tgt Ion: 117 Resp: 282147

Ion Ratio Lower Upper

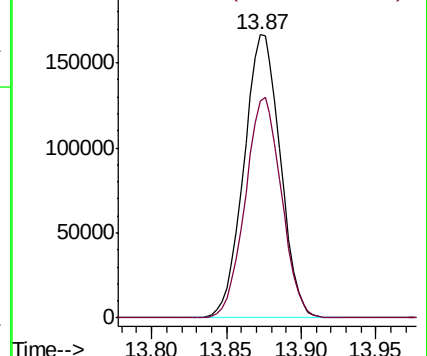
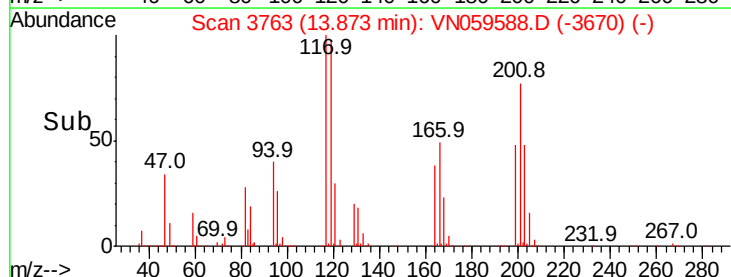
117 100

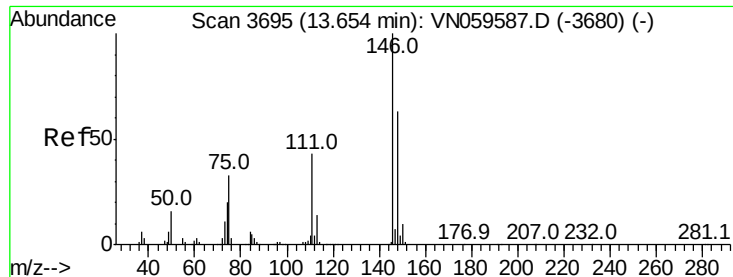
201 77.4 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059588.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059588.D (-3746) (-)

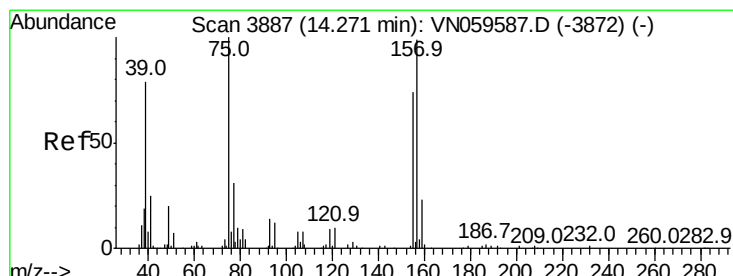
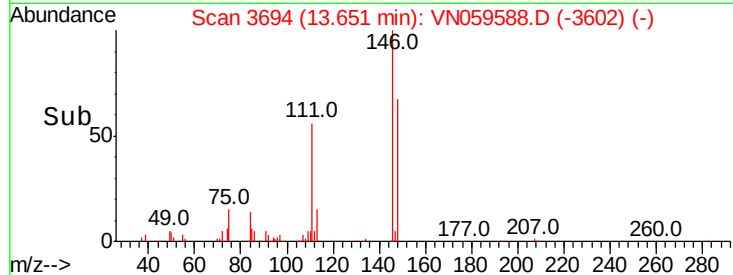
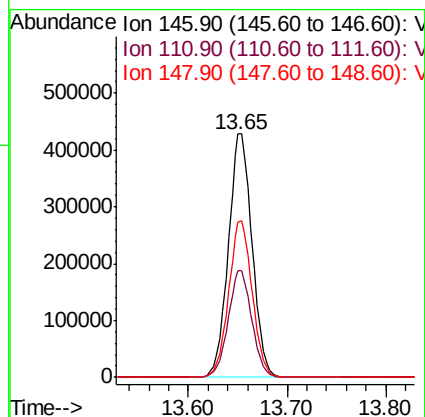
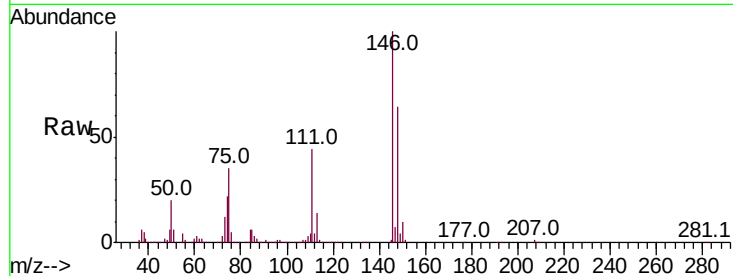




#91
 1,2-Dichlorobenzene
 Concen: 114.693 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

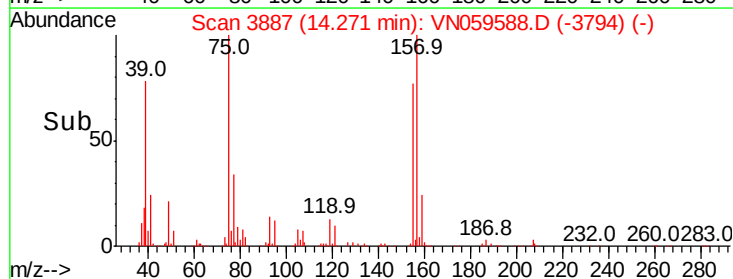
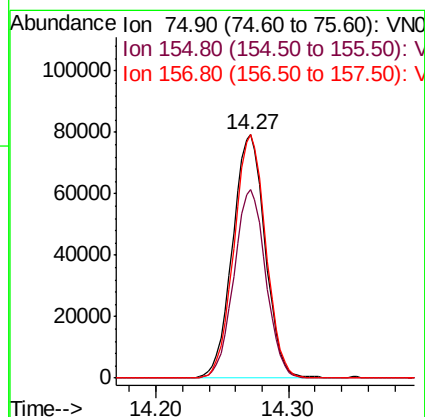
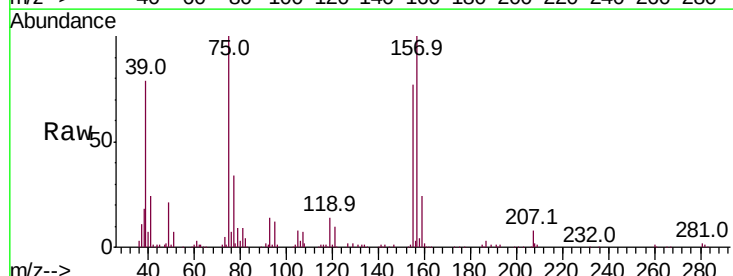
Instrument :
 MSVOA_N
 ClientSampleId :

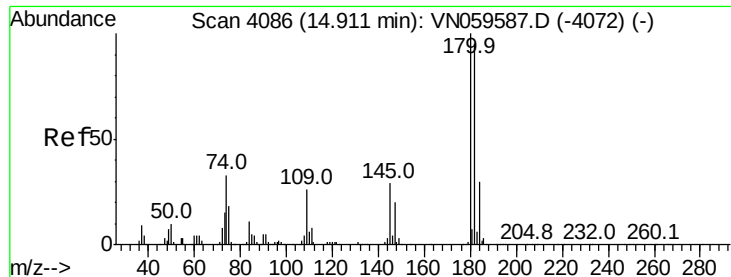
Tot Ion:146 Resp: 718208
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.6 64.8
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.101 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion: 75 Resp: 134041
 Ion Ratio Lower Upper
 75 100
 155 76.1 37.0 110.9
 157 98.0 48.4 145.2

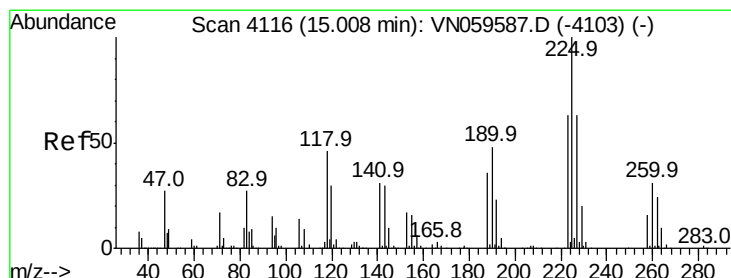
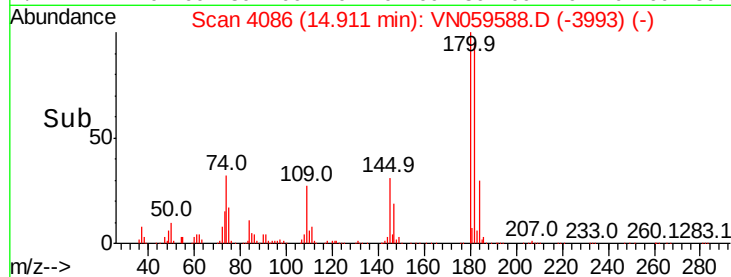
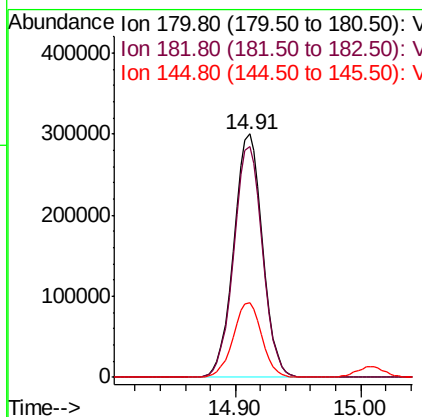
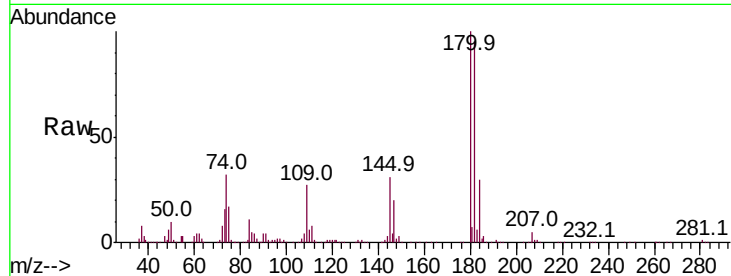




#93
 1,2,4-Trichlorobenzene
 Concen: 112.007 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

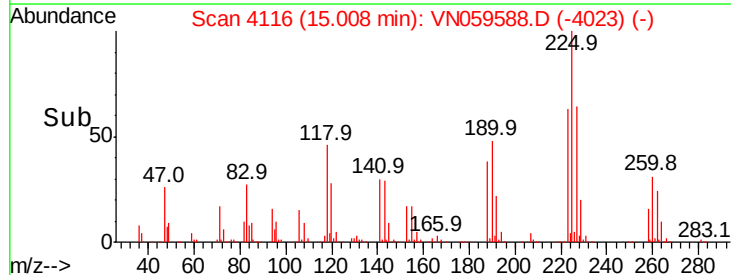
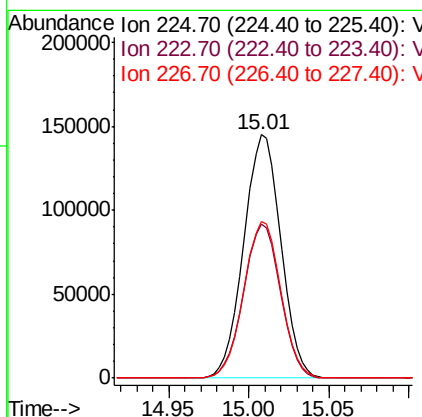
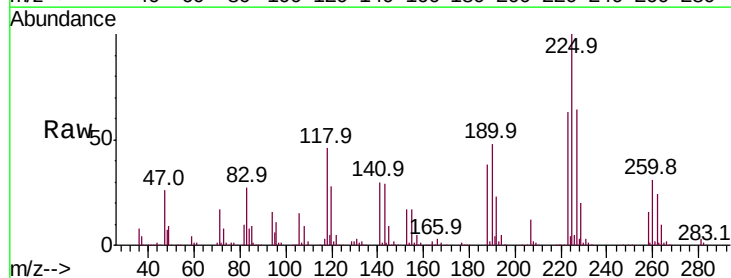
Instrument :
 MSVOA_N
 ClientSampleId :

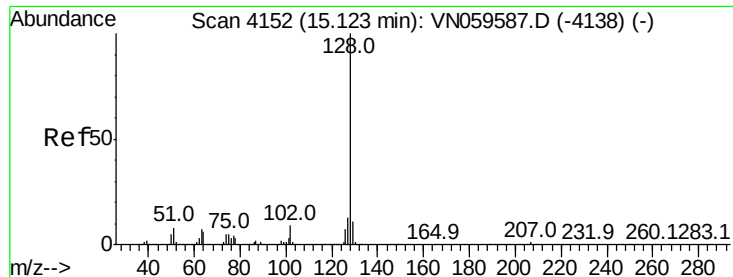
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.7
145	30.6	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 106.772 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059588.D
 Acq: 13 Dec 2019 17:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	64.2	32.1	96.5

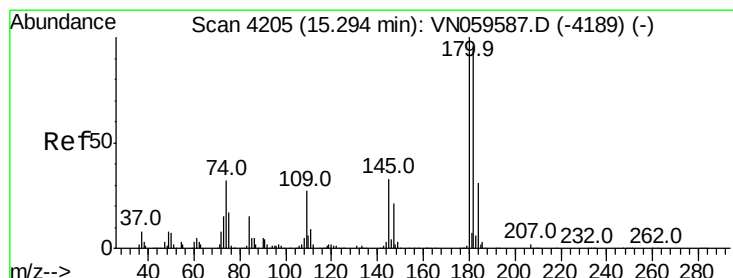
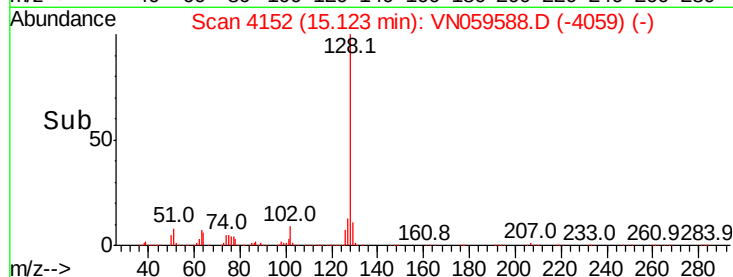
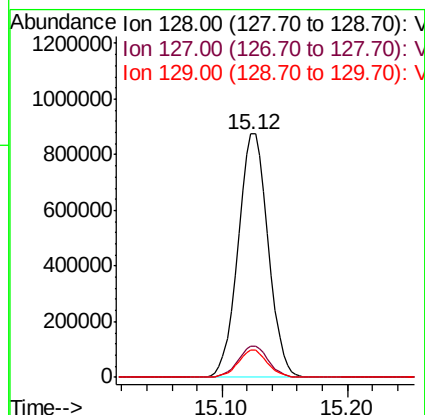
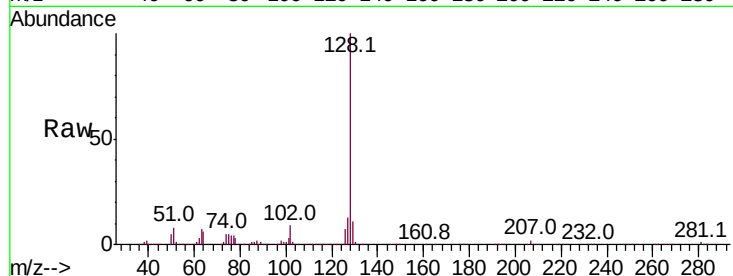




#95
Naphthalene
Concen: 115.662 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1451447
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 104.394 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059588.D
Acq: 13 Dec 2019 17:06

Tgt Ion:180 Resp: 457002
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.3
145 32.1 16.3 48.9

