

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059469.D
 Acq On : 3 Dec 2019 14:25
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 14:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	357165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	555020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	505909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	241961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	222688	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.57	113	175619	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.08	98	707232	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	253384	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	190284	46.344	ug/l	100
3) Chloromethane	2.04	50	259017	50.443	ug/l	100
4) Vinyl Chloride	2.17	62	144588	31.521	ug/l	100
5) Bromomethane	2.54	94	88985	32.426	ug/l	100
6) Chloroethane	2.68	64	89092	34.276	ug/l	100
7) Trichlorofluoromethane	3.00	101	185405	33.536	ug/l	100
8) Diethyl Ether	3.39	74	122308	50.843	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184753	50.908	ug/l	100
10) Methyl Iodide	3.93	142	252184	53.085	ug/l	100
11) Tert butyl alcohol	4.74	59	201454	271.357	ug/l	100
12) 1,1-Dichloroethene	3.71	96	182807	51.410	ug/l	100
13) Acrolein	3.58	56	186677	264.974	ug/l	100
14) Allyl chloride	4.30	41	355455	53.421	ug/l	100
15) Acrylonitrile	4.95	53	580871	280.631	ug/l	100
16) Acetone	3.79	43	612064	298.822	ug/l	100
17) Carbon Disulfide	4.03	76	595794	48.734	ug/l	100
18) Methyl Acetate	4.29	43	293019	52.696	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	630843	54.428	ug/l	100
20) Methylene Chloride	4.52	84	213893	52.145	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	201008	51.743	ug/l	100
22) Diisopropyl ether	5.92	45	688772	55.470	ug/l	100
23) Vinyl Acetate	5.86	43	2891751	287.221	ug/l	100
24) 1,1-Dichloroethane	5.82	63	385467	54.087	ug/l	100
25) 2-Butanone	6.81	43	820811	290.637	ug/l	100
26) 2,2-Dichloropropane	6.80	77	328873	54.150	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	226120	53.050	ug/l	100
28) Bromochloromethane	7.17	49	151781	62.464	ug/l	100
29) Tetrahydrofuran	7.18	42	528692	281.493	ug/l	100
30) Chloroform	7.35	83	363702	50.777	ug/l	100
31) Cyclohexane	7.63	56	362817	50.800	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	317009	54.072	ug/l	100
36) 1,1-Dichloropropene	7.77	75	290209	53.769	ug/l	100
37) Ethyl Acetate	6.90	43	325332	55.903	ug/l	100
38) Carbon Tetrachloride	7.75	117	282891	55.254	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	358127	55.422	ug/l	100
40) Benzene	8.02	78	864404	53.859	ug/l	100
41) Methacrylonitrile	7.18	41	456213	168.866	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	288112	56.187	ug/l	100
43) Isopropyl Acetate	8.15	43	500805	56.911	ug/l	100
44) Trichloroethene	8.82	130	220668	54.024	ug/l	100
45) 1,2-Dichloropropane	9.10	63	229987	54.766	ug/l	100
46) Dibromomethane	9.19	93	142304	54.822	ug/l	100
47) Bromodichloromethane	9.39	83	287468	54.740	ug/l	100
48) Methyl methacrylate	9.18	41	224631	57.393	ug/l	100
49) 1,4-Dioxane	9.18	88	66057	1189.726	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1547000	300.819	ug/l	100
52) Toluene	10.15	92	529393	55.148	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	339717	56.237	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	365563	56.273	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	208079	55.152	ug/l	100
56) Ethyl methacrylate	10.42	69	323658	58.747	ug/l	100
57) 1,3-Dichloropropane	10.70	76	355897	54.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	522437	328.895	ug/l	100
59) 2-Hexanone	10.74	43	1175976	307.589	ug/l	100
60) Dibromochloromethane	10.90	129	222106	56.616	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216345	55.963	ug/l	100
64) Tetrachloroethene	10.63	164	207529	54.728	ug/l	100
65) Chlorobenzene	11.43	112	551550	53.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203304	54.075	ug/l	100
67) Ethyl Benzene	11.51	91	1011997	55.492	ug/l	100
68) m/p-Xylenes	11.62	106	765162	112.114	ug/l	100
69) o-Xylene	11.95	106	360010	55.231	ug/l	100
70) Styrene	11.96	104	584157	57.148	ug/l	100
71) Bromoform	12.13	173	162717	56.557	ug/l #	100
73) Isopropylbenzene	12.25	105	974099	53.674	ug/l	100
74) N-amyl acetate	12.07	43	409563	59.096	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	312397	52.447	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	422885	75.207	ug/l #	100
77) Bromobenzene	12.53	156	234328	52.759	ug/l	100
78) n-propylbenzene	12.59	91	1154426	55.063	ug/l	100
79) 2-Chlorotoluene	12.67	91	670683	53.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	825505	54.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116211	53.349	ug/l	100
82) 4-Chlorotoluene	12.77	91	694058	53.805	ug/l	100
83) tert-Butylbenzene	12.99	119	703566	53.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	820442	54.872	ug/l	100
85) sec-Butylbenzene	13.17	105	954006	54.751	ug/l	100
86) p-Isopropyltoluene	13.29	119	858509	54.548	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	415844	52.860	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	415394	52.523	ug/l	100
89) n-Butylbenzene	13.62	91	758335	55.036	ug/l	100
90) Hexachloroethane	13.88	117	157606	52.280	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	403881	52.392	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62163	45.949	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

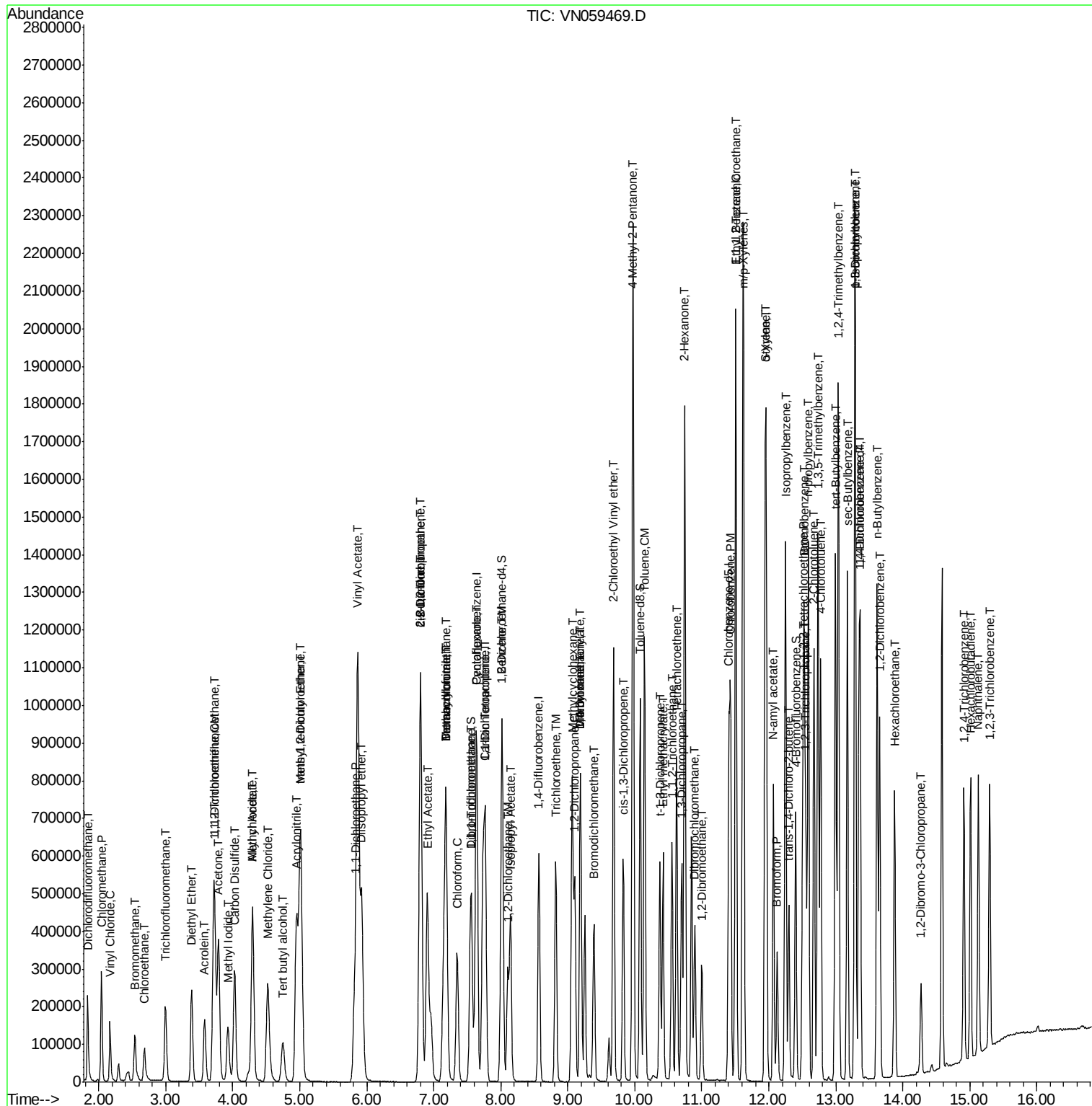
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	229862	48.433	ug/l	100
94) Hexachlorobutadiene	15.01	225	146678	49.937	ug/l	100
95) Naphthalene	15.13	128	606387	44.842	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	224323	44.420	ug/l	100

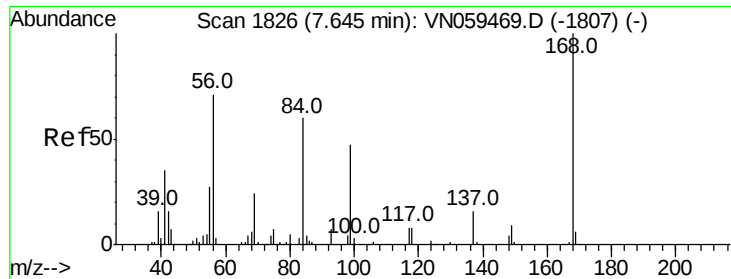
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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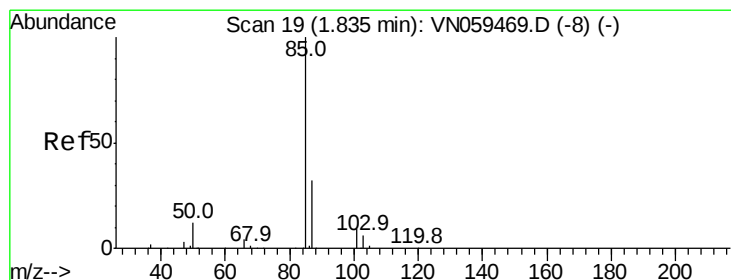
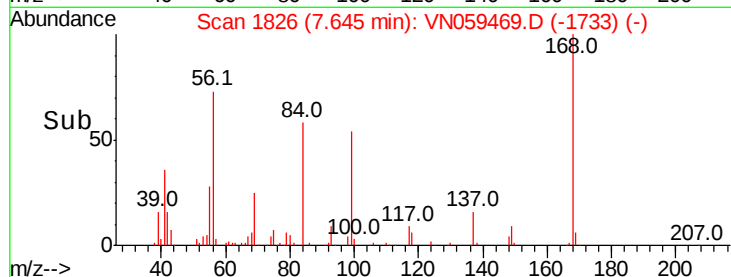
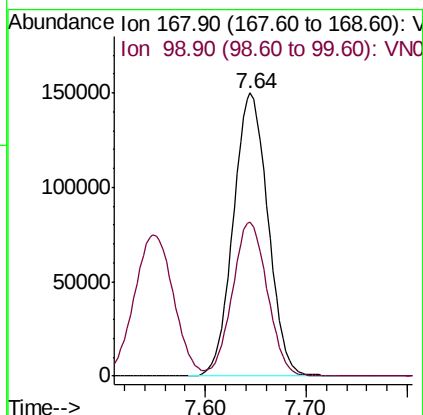
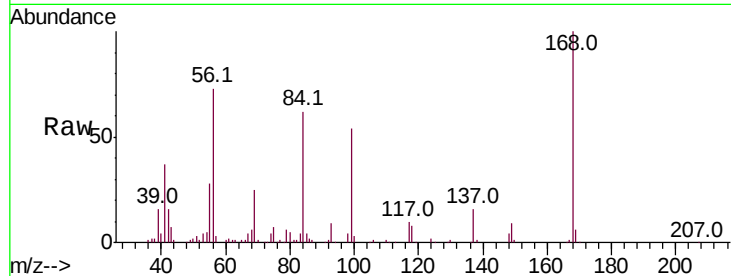




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
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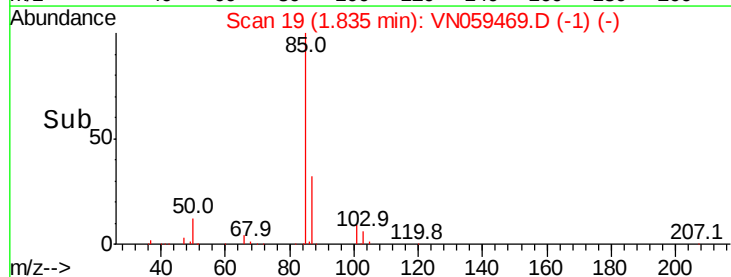
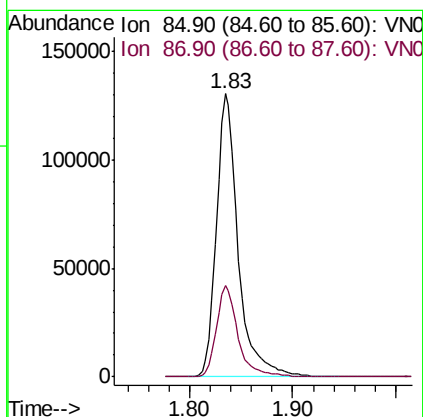
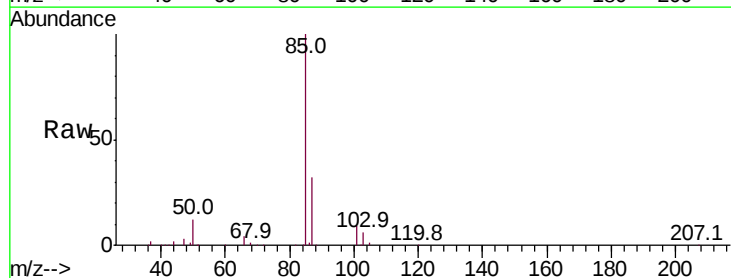
Instrument :
MSVOA_N
ClientSampleId :

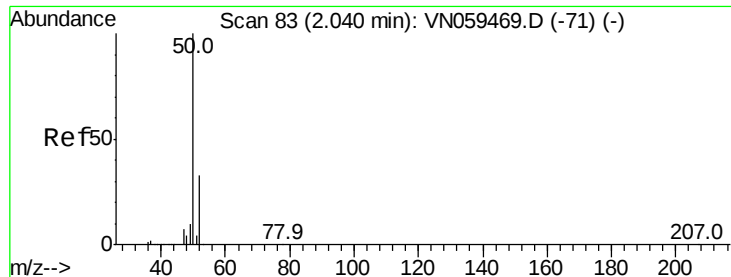
Tot Ion:168 Resp: 357165
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.2



#2
Dichlorodifluoromethane
Concen: 46.344 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 85 Resp: 190284
Ion Ratio Lower Upper
85 100
87 32.2 16.1 48.3





#3

Chloromethane

Concen: 50.443 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

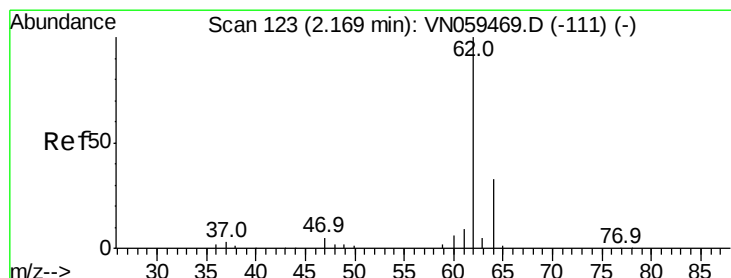
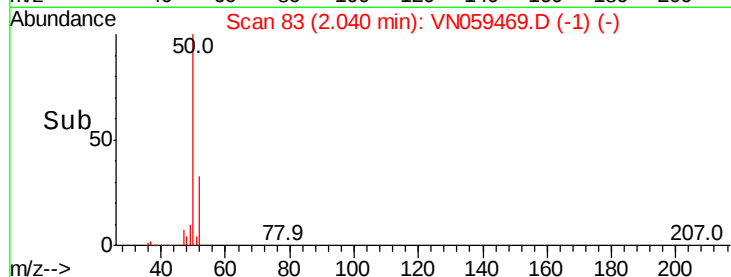
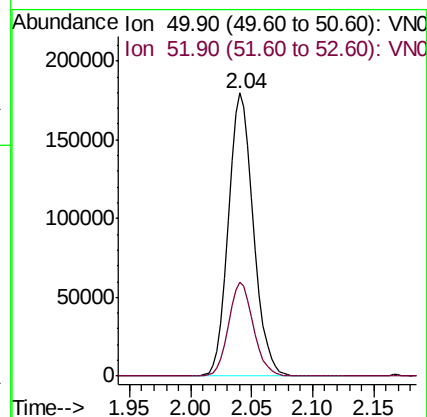
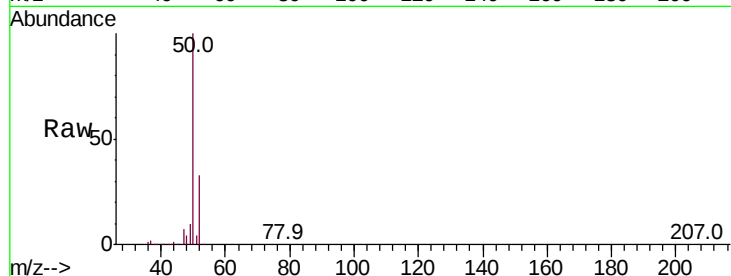
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 259017

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 31.521 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059469.D

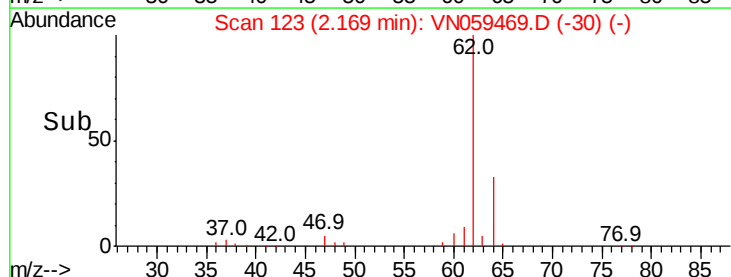
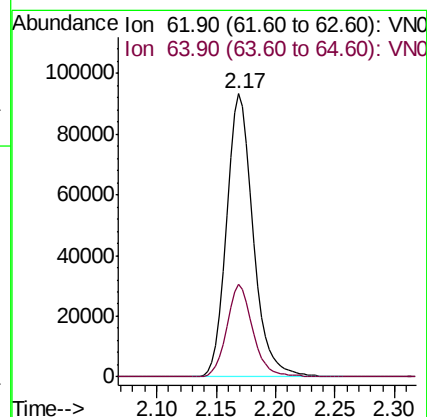
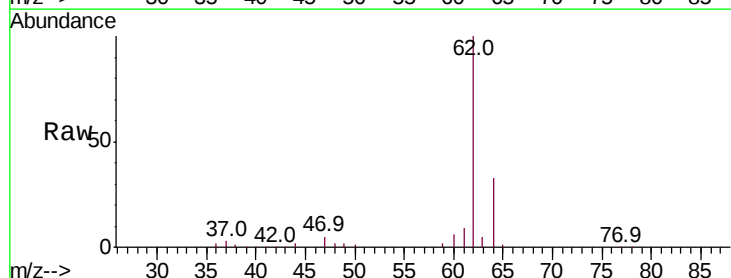
Acq: 3 Dec 2019 14:25

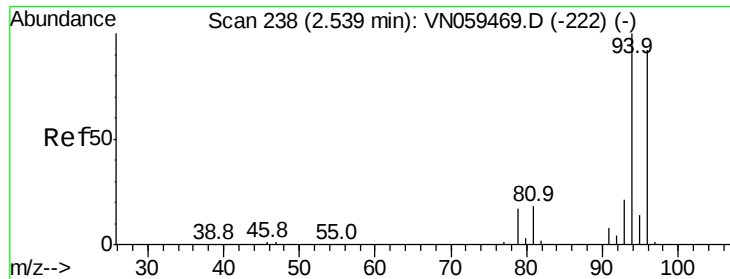
Tgt Ion: 62 Resp: 144588

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0

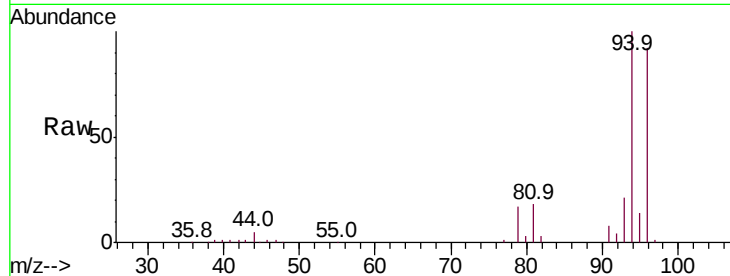




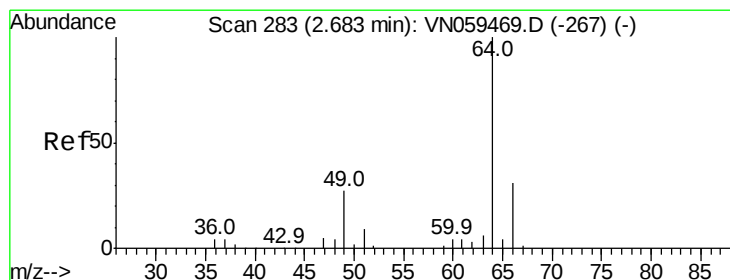
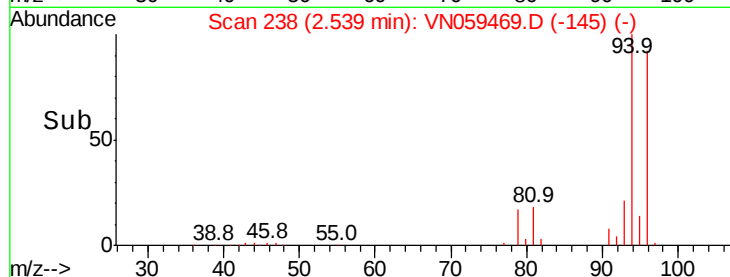
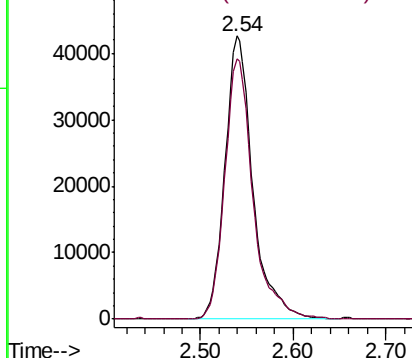
#5
Bromomethane
Concen: 32.426 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Instrument :
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ClientSampleId :

Tot Ion: 94 Resp: 88985
Ion Ratio Lower Upper
94 100
96 91.9 73.5 110.3

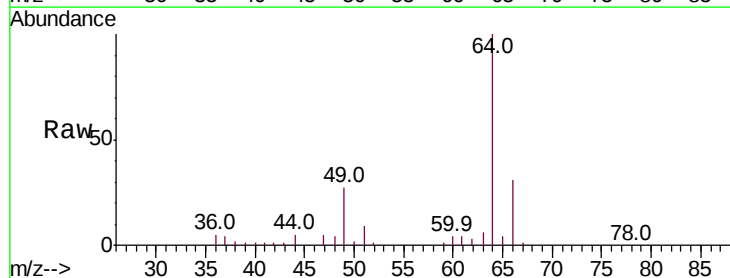


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

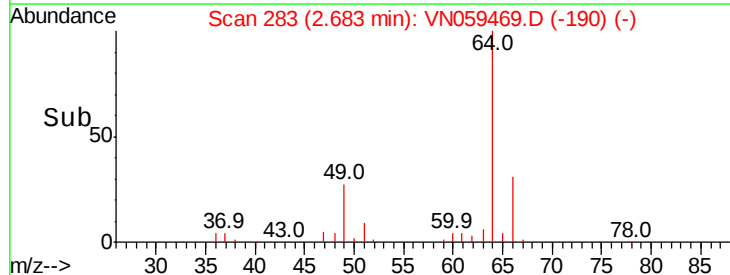
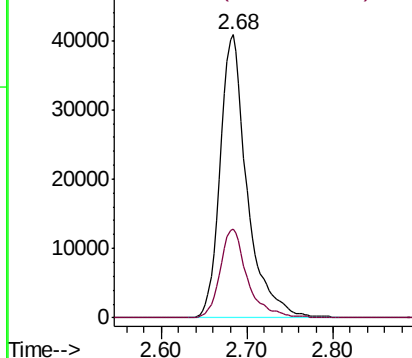


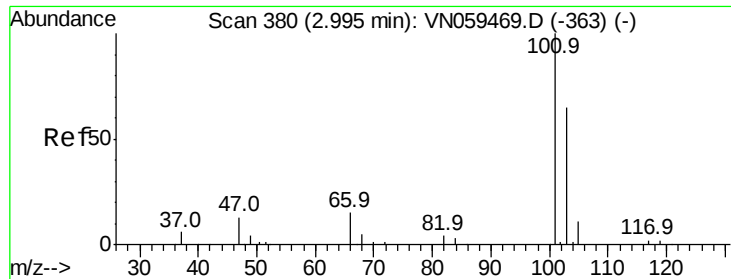
#6
Chloroethane
Concen: 34.276 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 64 Resp: 89092
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



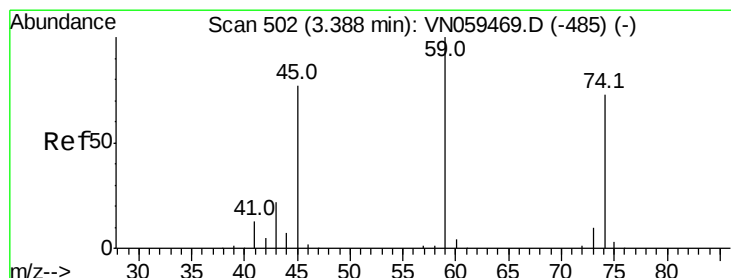
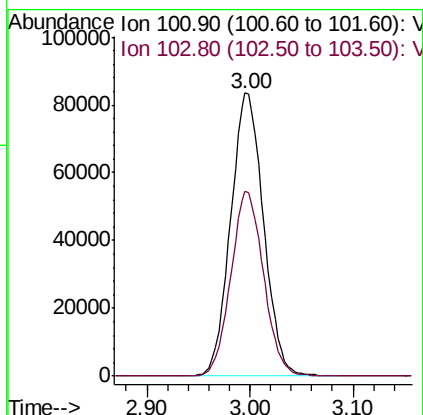
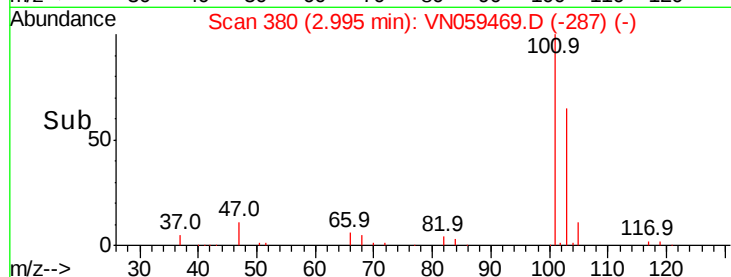
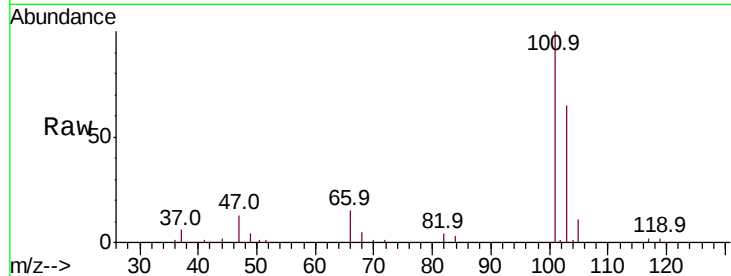


#7

Trichlorofluoromethane
 Concen: 33.536 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Instrument :
 MSVOA_N
 ClientSampleId :

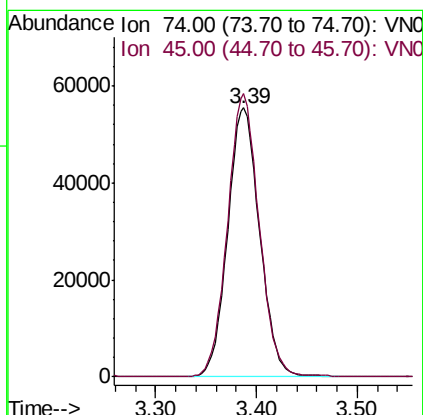
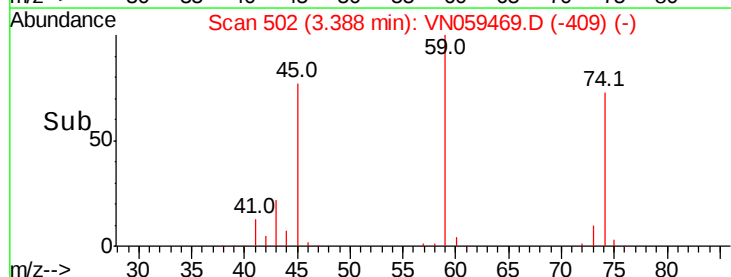
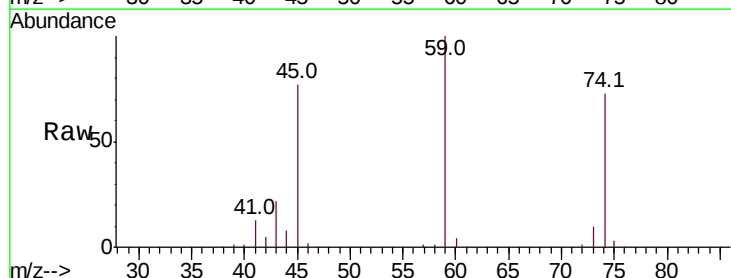
Tot Ion:101 Resp: 185405
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.4 78.6

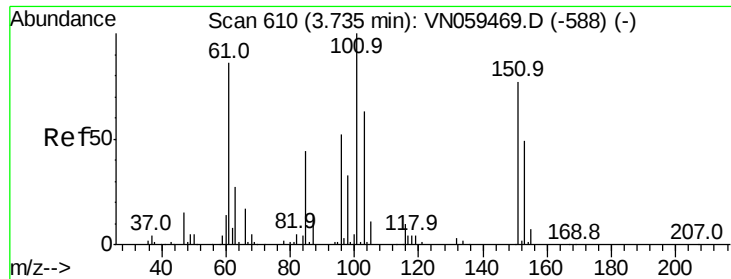


#8

Diethyl Ether
 Concen: 50.843 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Tgt Ion: 74 Resp: 122308
 Ion Ratio Lower Upper
 74 100
 45 104.7 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.908 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

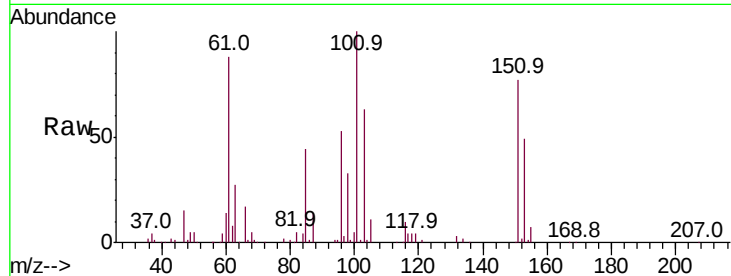
Tot Ion:101 Resp: 184753

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

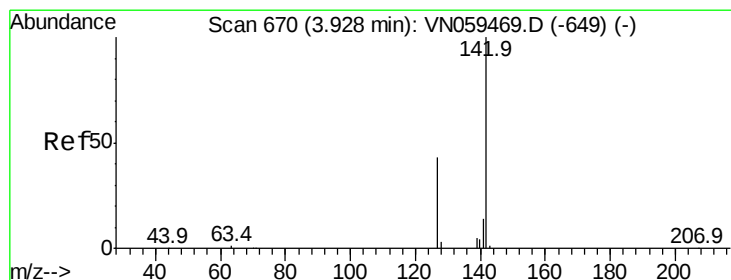
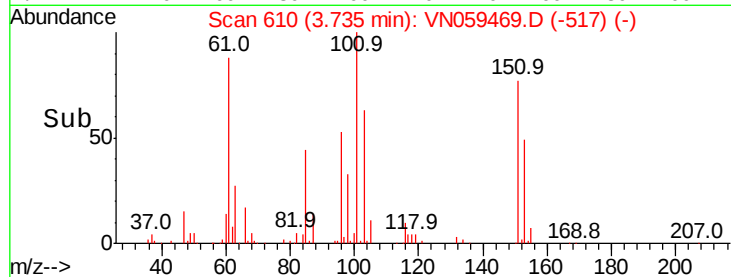
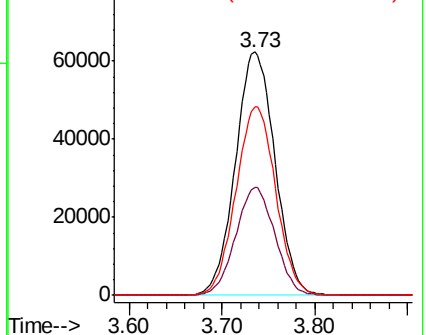
151 78.0 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.085 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

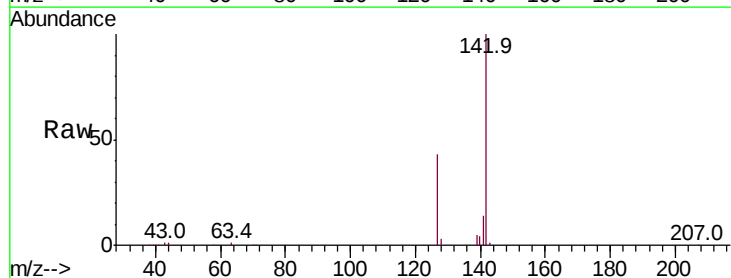
Tgt Ion:142 Resp: 252184

Ion Ratio Lower Upper

142 100

127 43.3 34.6 52.0

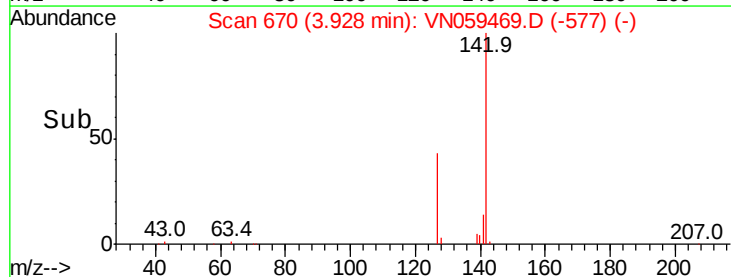
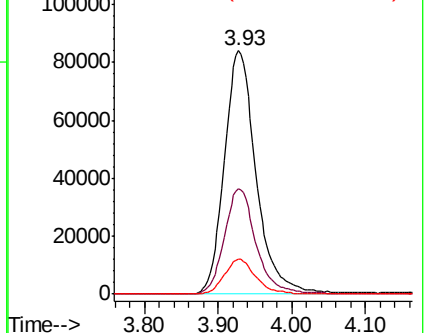
141 14.2 11.4 17.0

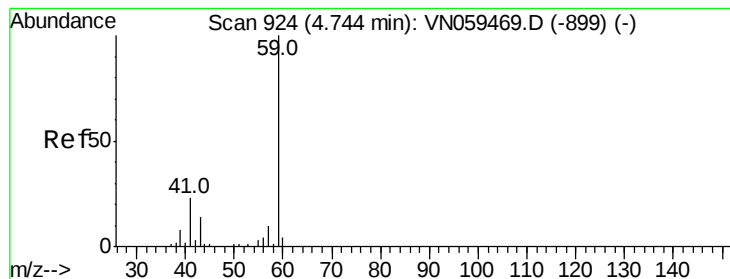


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



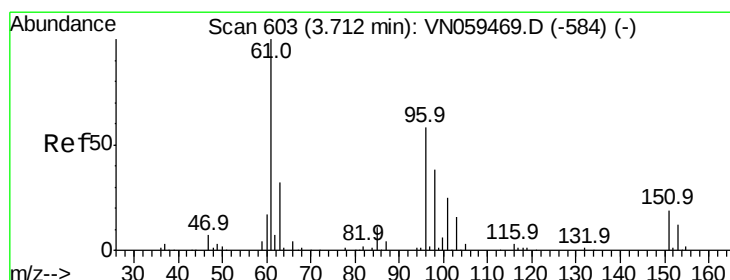
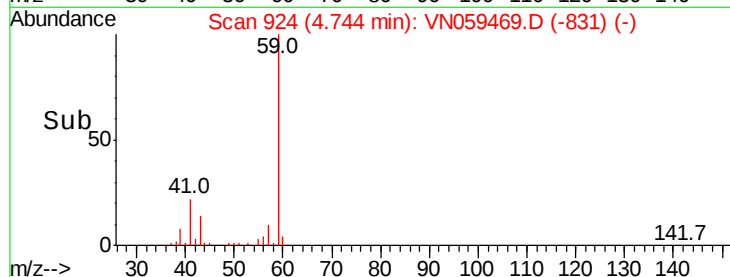
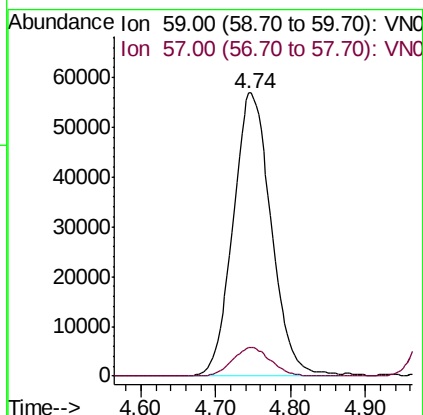
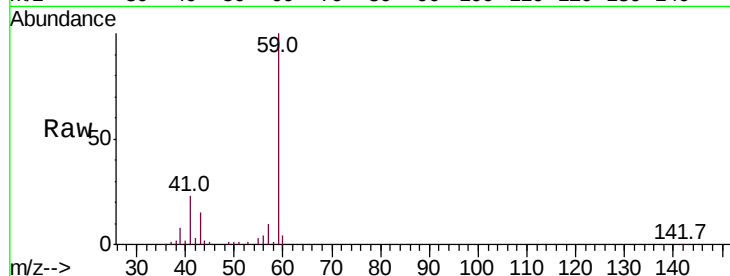


#11

Tert butyl alcohol
Concen: 271.357 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampled :

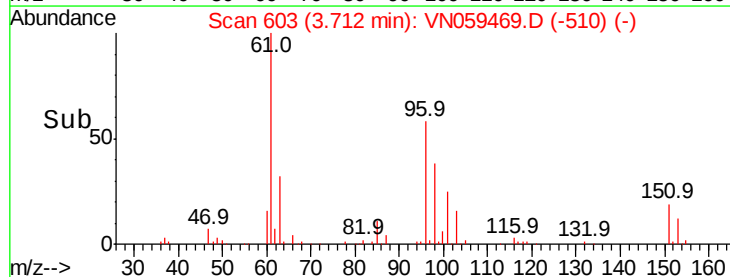
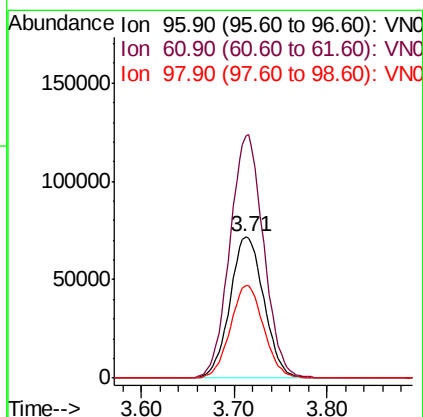
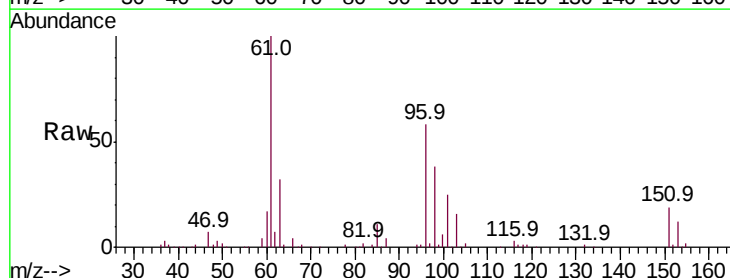
Tot Ion: 59 Resp: 201454
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1

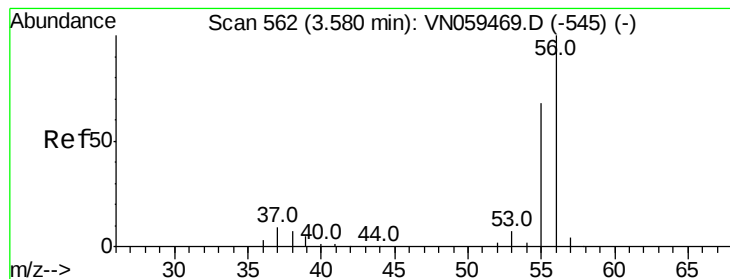


#12

1,1-Dichloroethene
Concen: 51.410 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 96 Resp: 182807
Ion Ratio Lower Upper
96 100
61 171.4 137.1 205.7
98 65.5 52.4 78.6





#13

Acrolein

Concen: 264.974 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

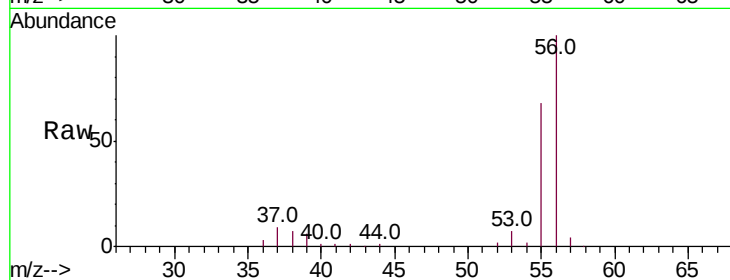
ClientSampleId :

Tot Ion: 56 Resp: 186677

Ion Ratio Lower Upper

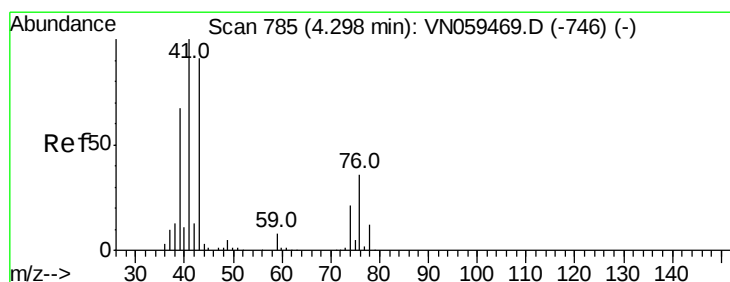
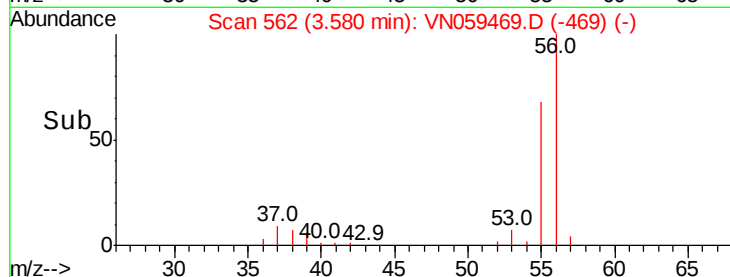
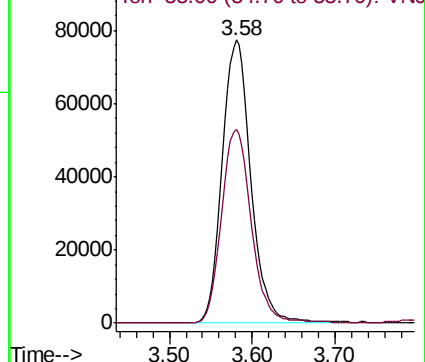
56 100

55 70.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 53.421 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

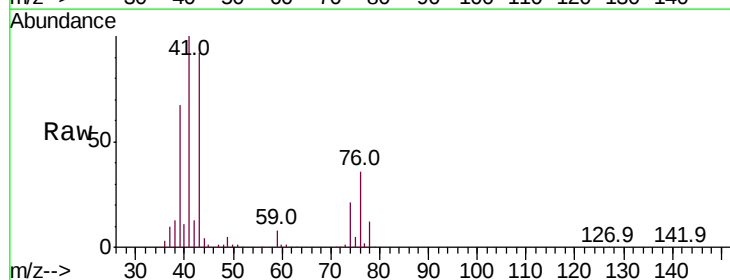
Tgt Ion: 41 Resp: 355455

Ion Ratio Lower Upper

41 100

39 61.6 49.3 73.9

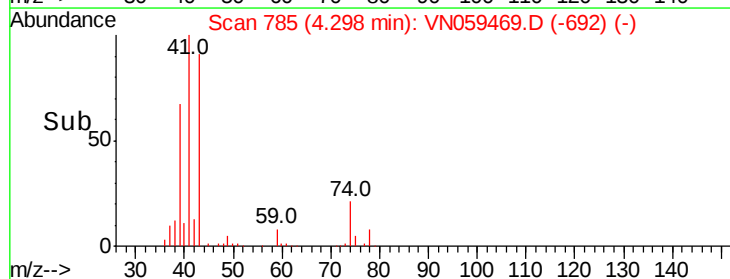
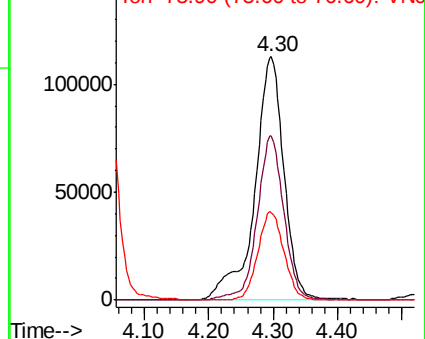
76 32.0 25.6 38.4

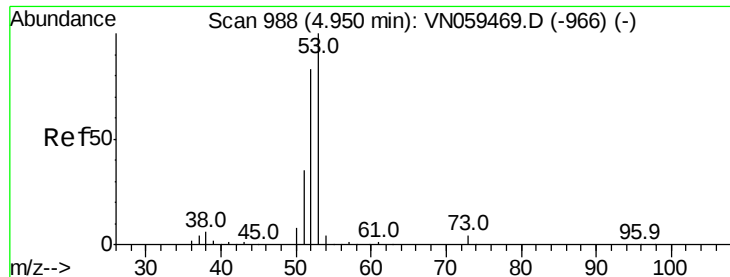


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 280.631 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

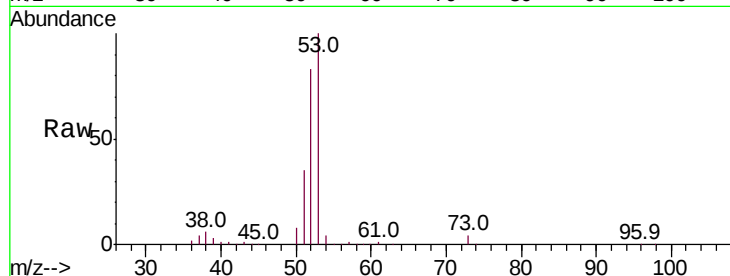
Tot Ion: 53 Resp: 580871

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

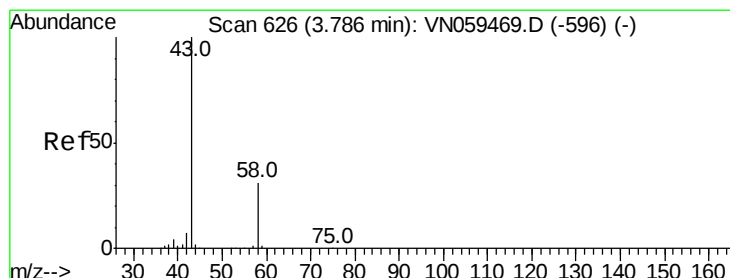
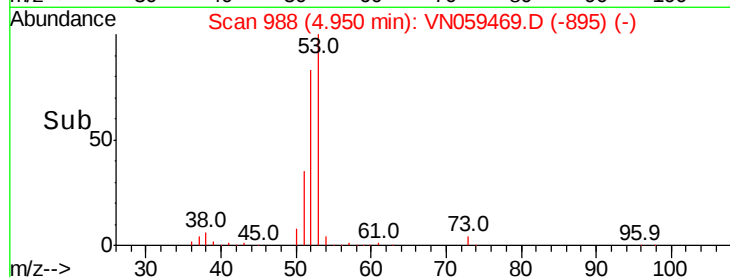
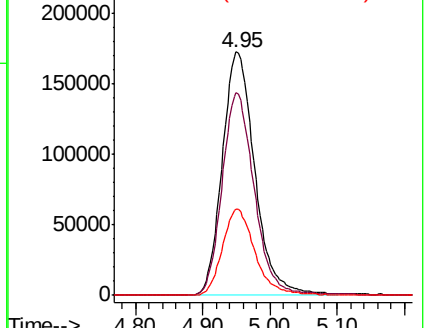
51 35.6 28.5 42.7



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: 298.822 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059469.D

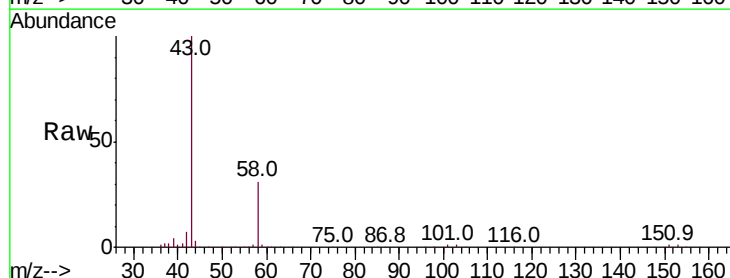
Acq: 3 Dec 2019 14:25

Tgt Ion: 43 Resp: 612064

Ion Ratio Lower Upper

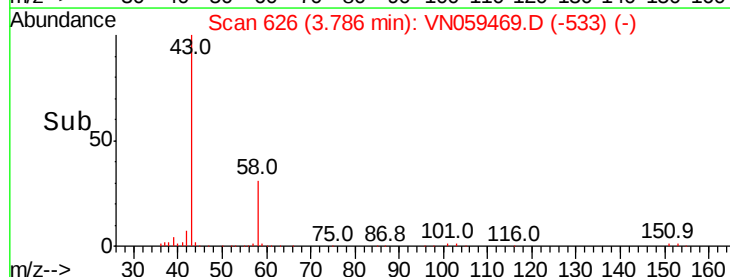
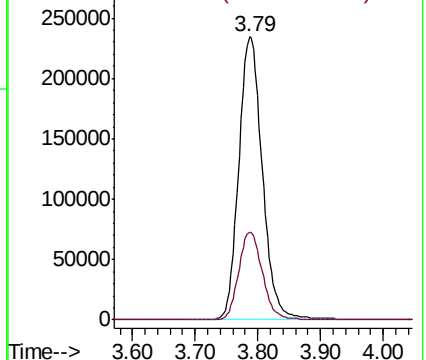
43 100

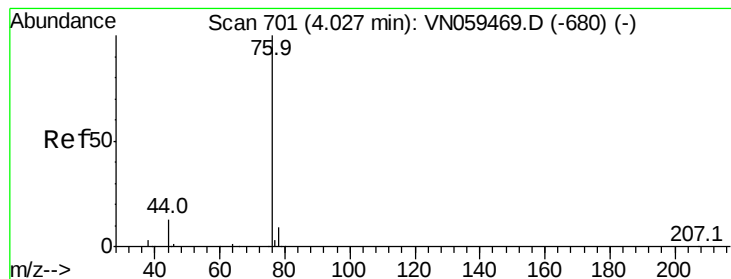
58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.734 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

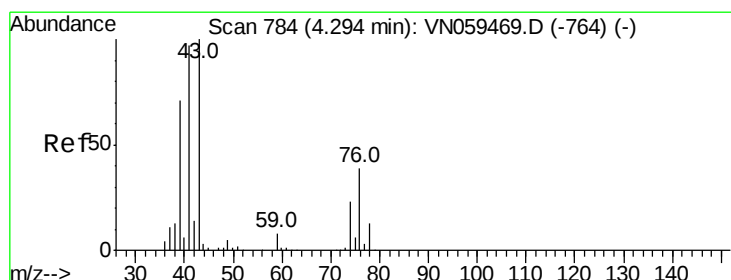
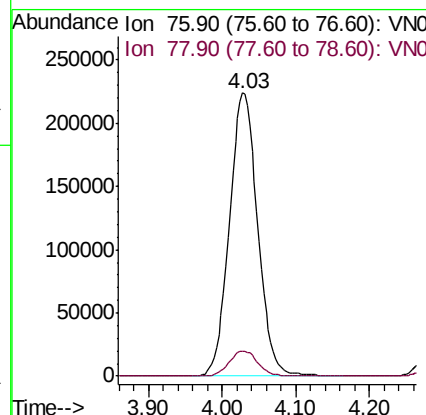
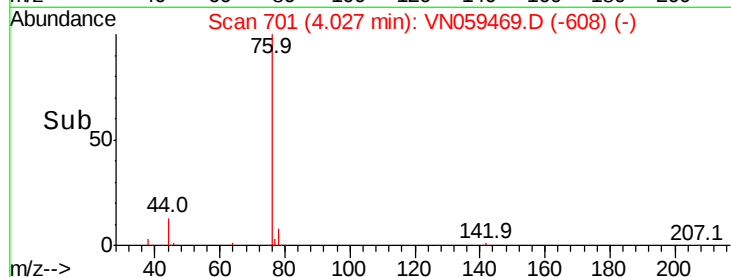
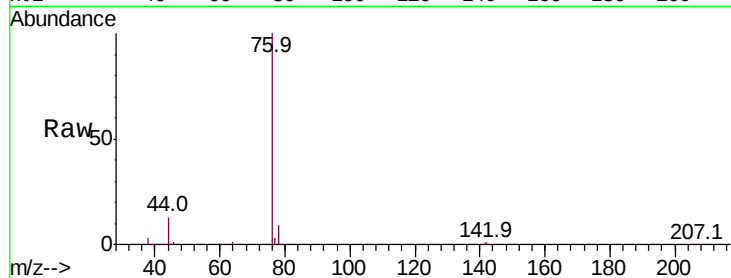
ClientSampled :

Tot Ion: 76 Resp: 595794

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 52.696 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059469.D

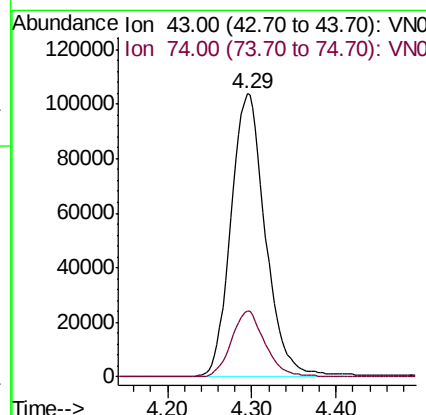
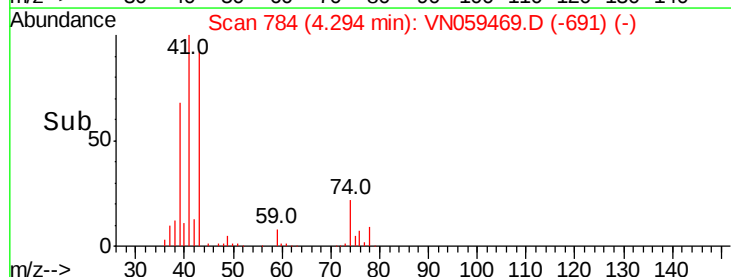
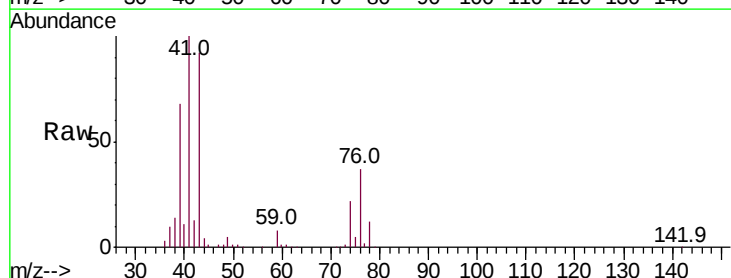
Acq: 3 Dec 2019 14:25

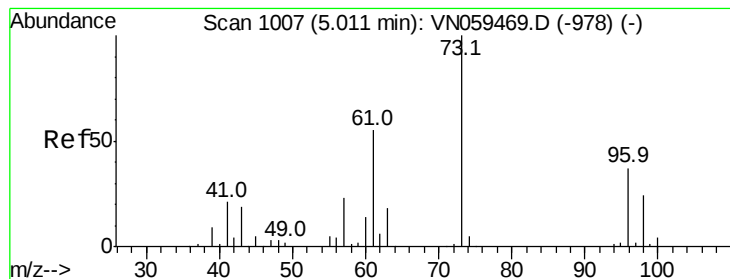
Tgt Ion: 43 Resp: 293019

Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5



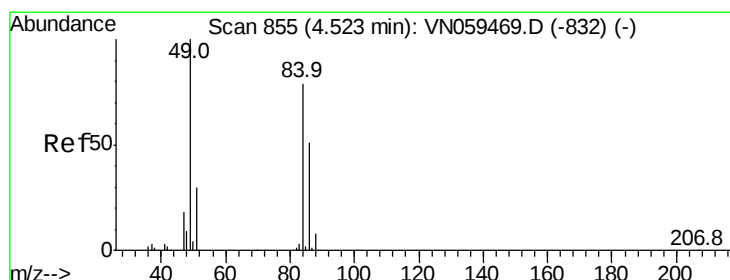
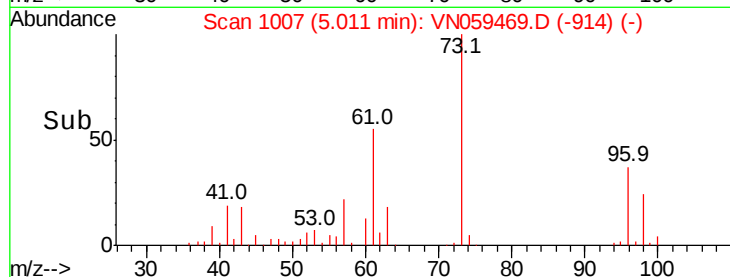
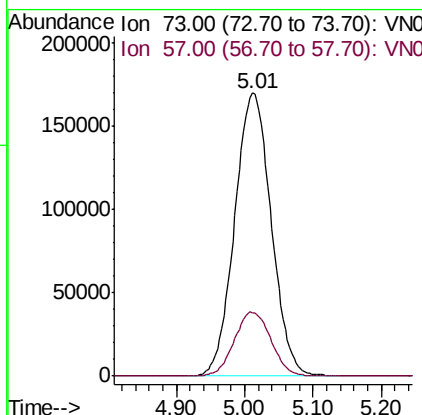
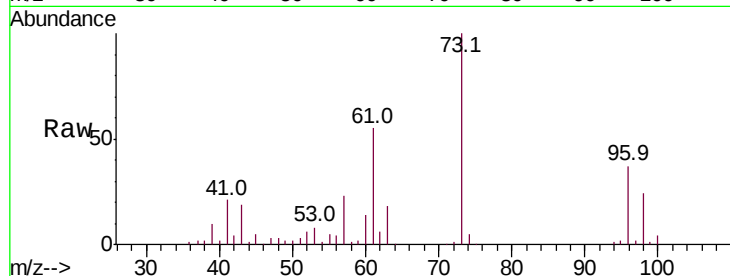


#19

Methyl tert-butyl Ether
 Concen: 54.428 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Instrument :
 MSVOA_N
 ClientSampled :

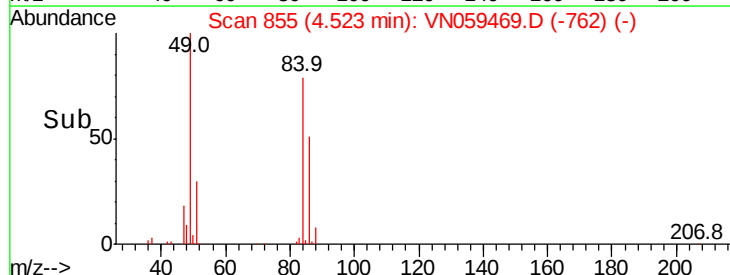
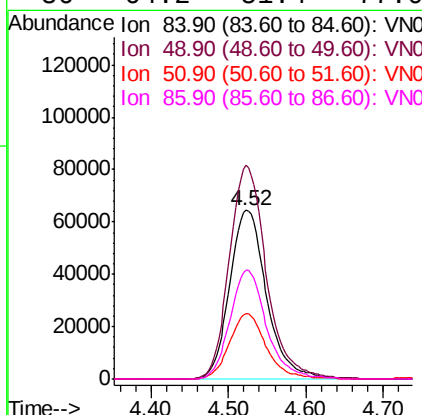
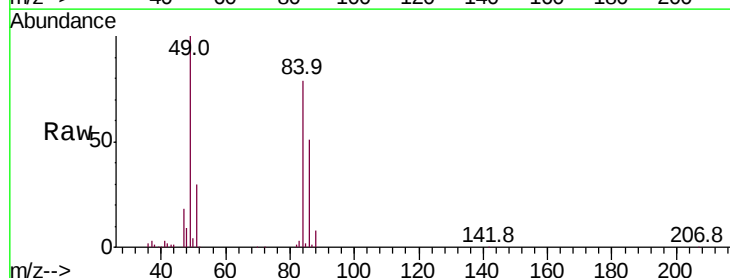
Tot Ion: 73 Resp: 630843
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

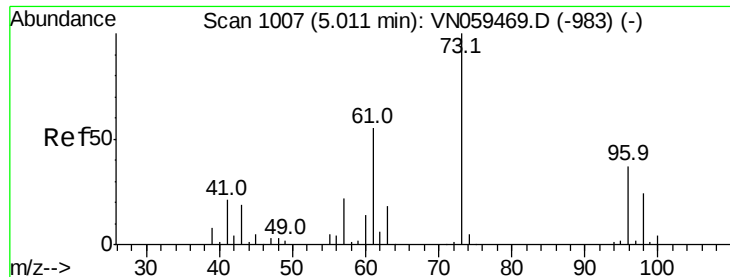


#20

Methylene Chloride
 Concen: 52.145 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Tgt Ion: 84 Resp: 213893
 Ion Ratio Lower Upper
 84 100
 49 126.4 101.1 151.7
 51 38.4 30.7 46.1
 86 64.2 51.4 77.0

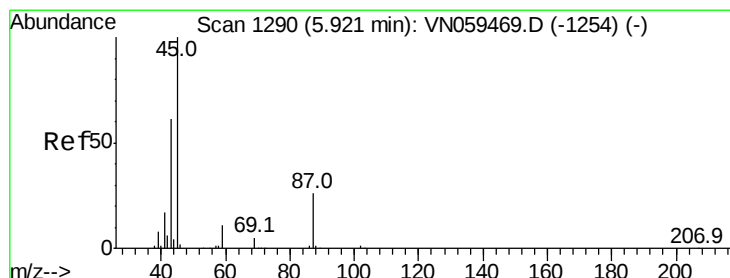
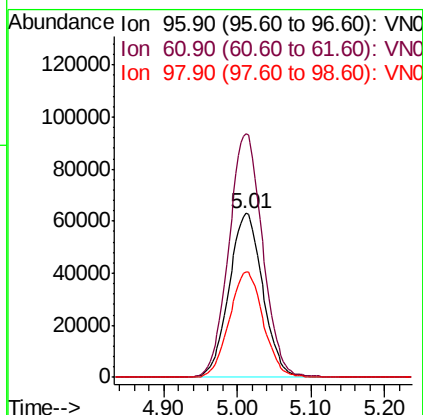
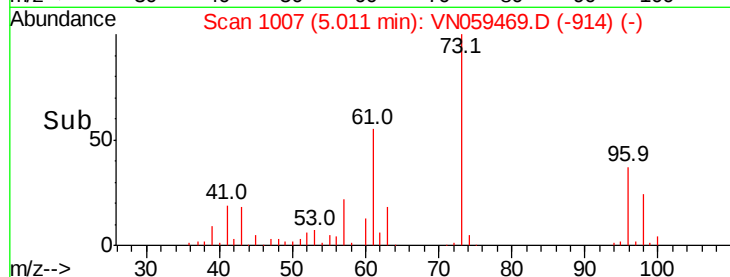
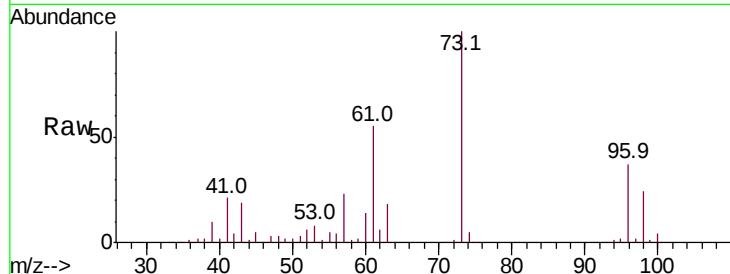




#21
trans-1,2-Dichloroethene
Concen: 51.743 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

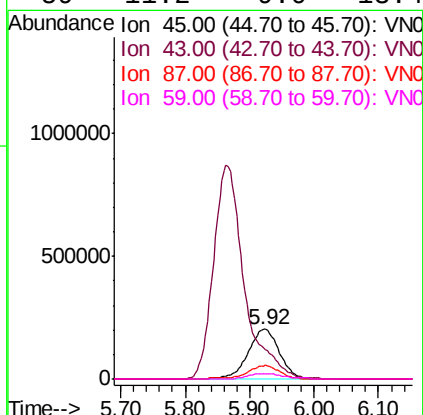
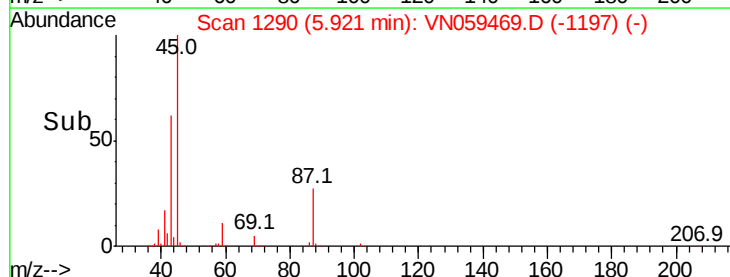
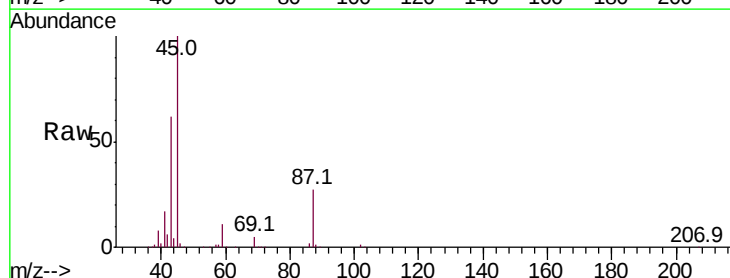
Instrument :
MSVOA_N
ClientSampleId :

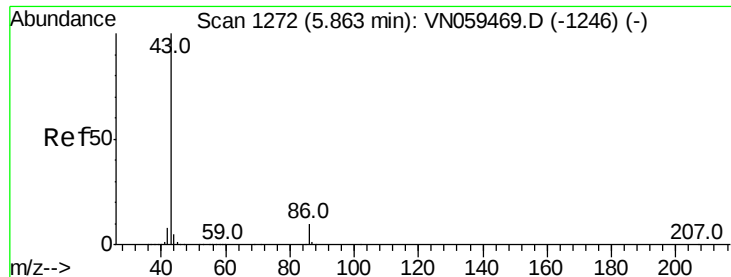
Tot Ion: 96 Resp: 201008
Ion Ratio Lower Upper
96 100
61 148.6 118.9 178.3
98 64.5 51.6 77.4



#22
Diisopropyl ether
Concen: 55.470 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 45 Resp: 688772
Ion Ratio Lower Upper
45 100
43 61.4 49.1 73.7
87 27.0 21.6 32.4
59 11.2 9.0 13.4

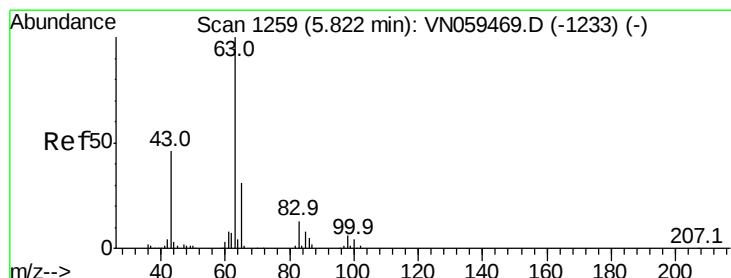
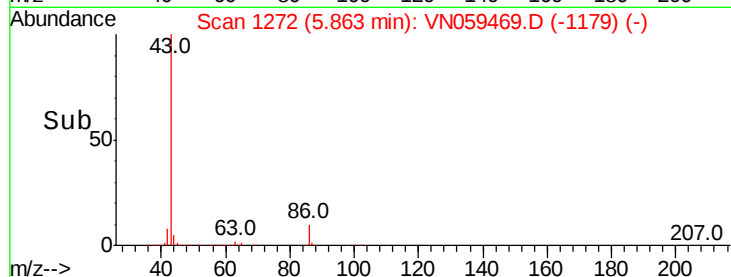
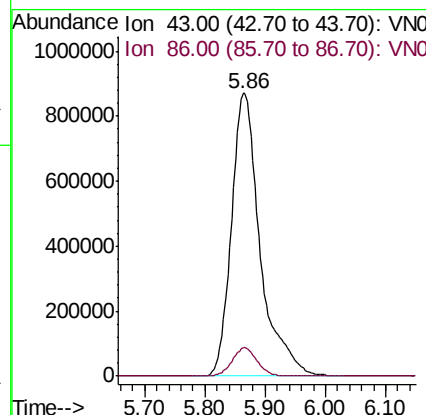
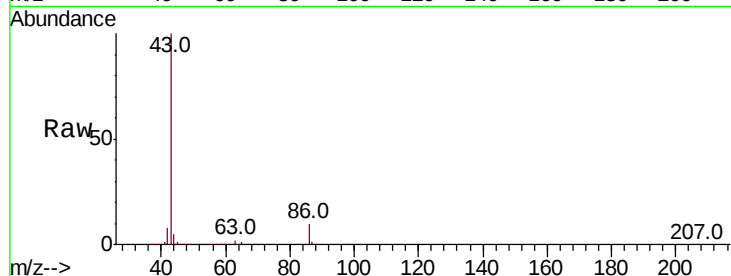




#23
 Vinyl Acetate
 Concen: 287.221 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

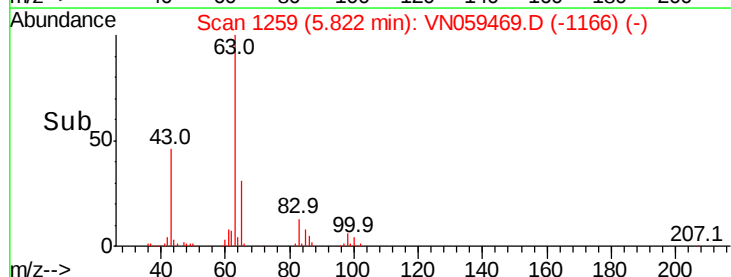
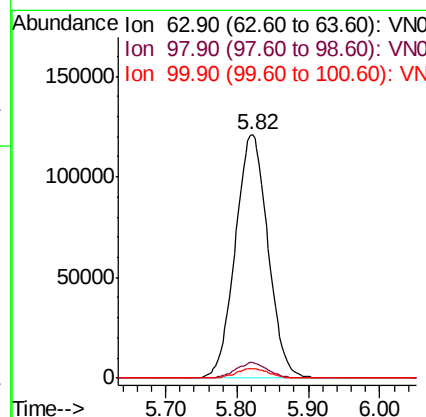
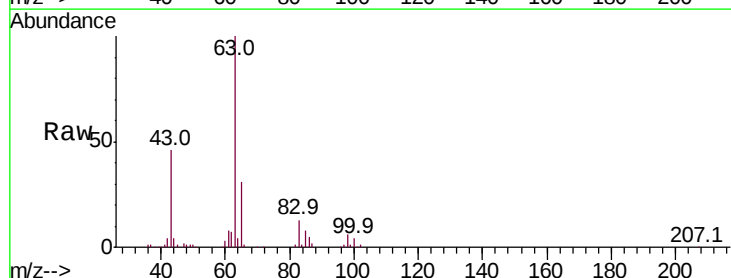
Instrument :
 MSVOA_N
 ClientSampleId :

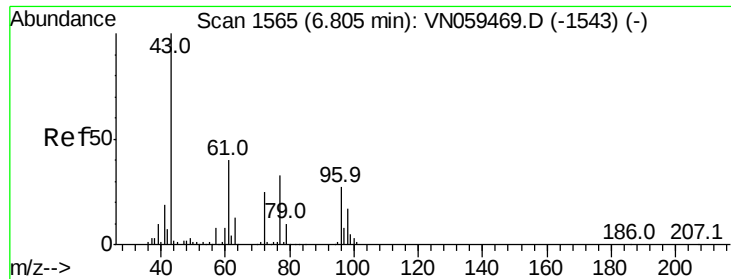
Tot Ion: 43 Resp: 2891751
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 54.087 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Tgt Ion: 63 Resp: 385467
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 290.637 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

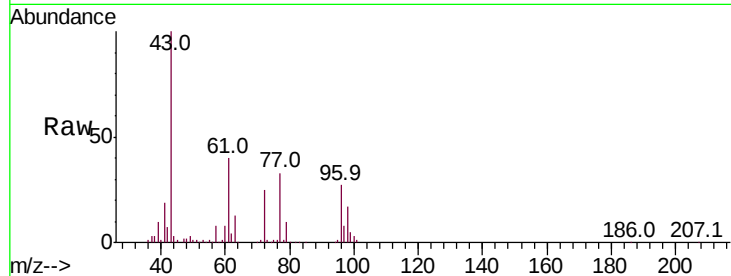
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 820811

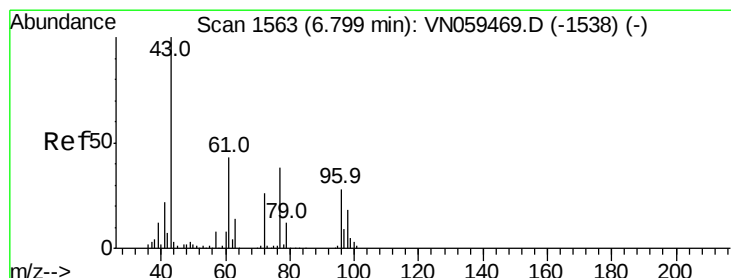
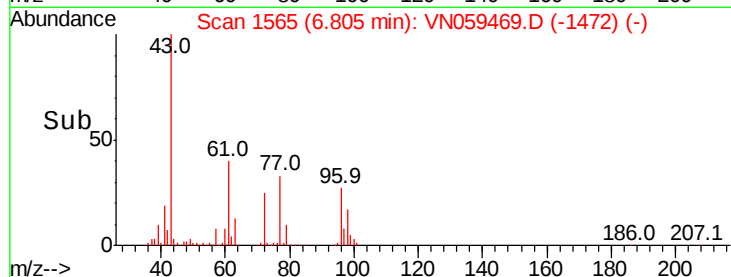
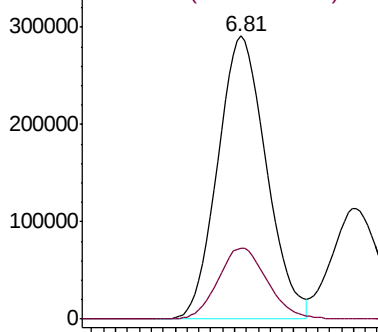
Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 54.150 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059469.D

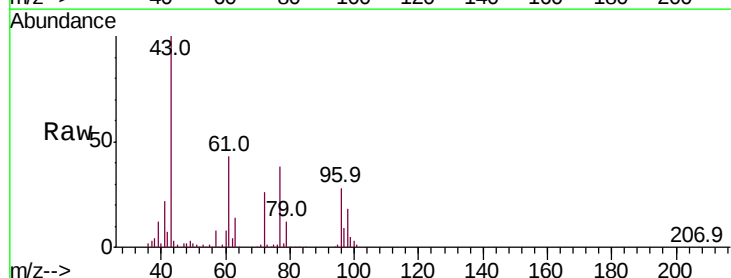
Acq: 3 Dec 2019 14:25

Tgt Ion: 77 Resp: 328873

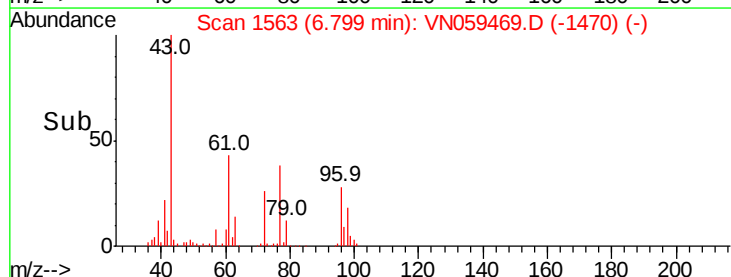
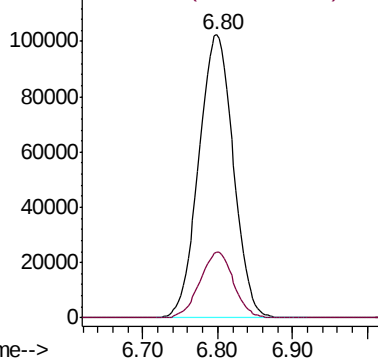
Ion Ratio Lower Upper

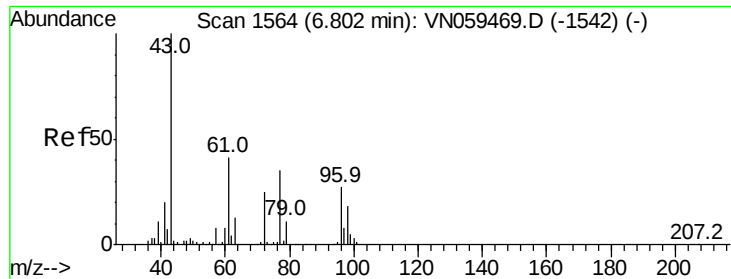
77 100

97 22.7 11.4 34.1



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: 53.050 ug/l

RT: 6.80 min Scan# 1564

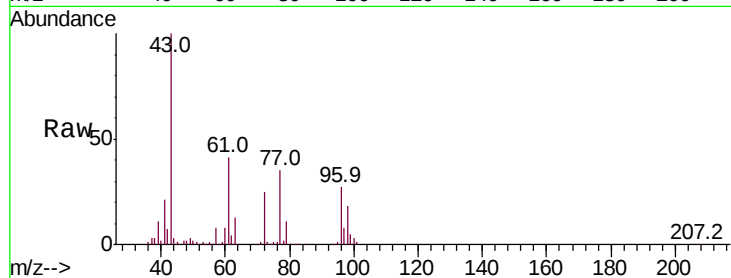
Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	96	Resp	226120
Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	307.4
98	64.6	0.0	129.2

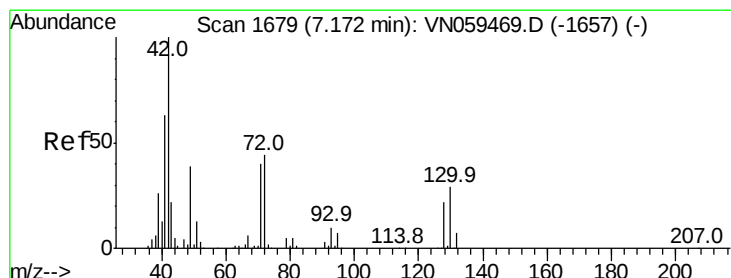
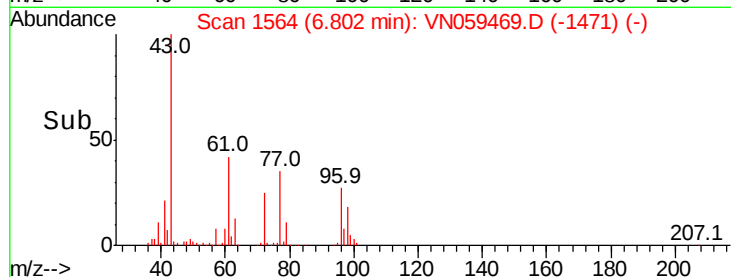
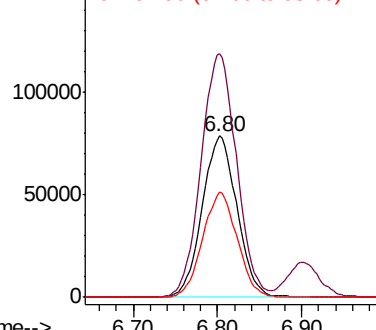


Abundance

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: 62.464 ug/l

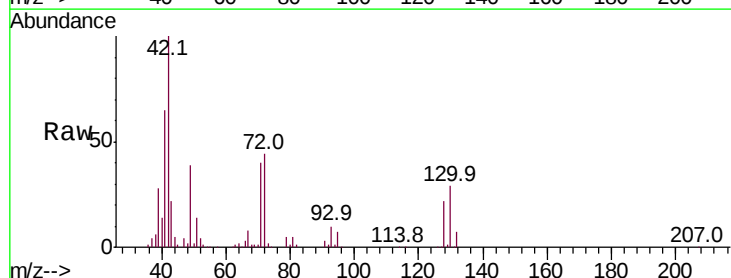
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Tgt Ion	49	Resp	151781
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	73.0	58.4	87.6

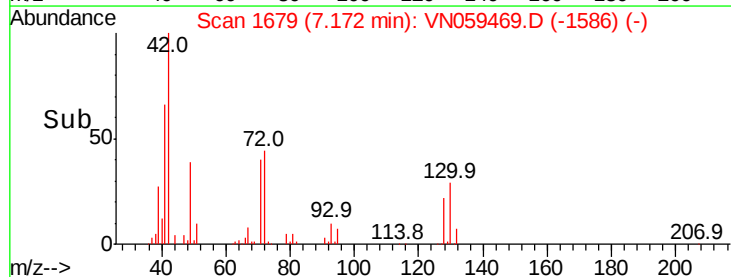
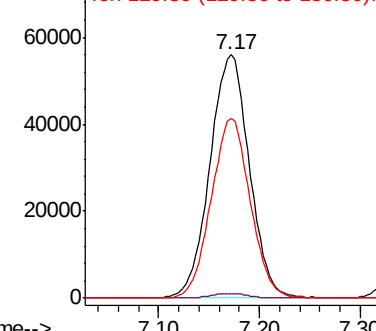


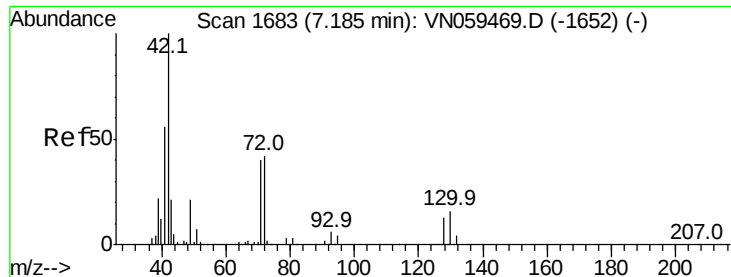
Abundance

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: 281.493 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampled :

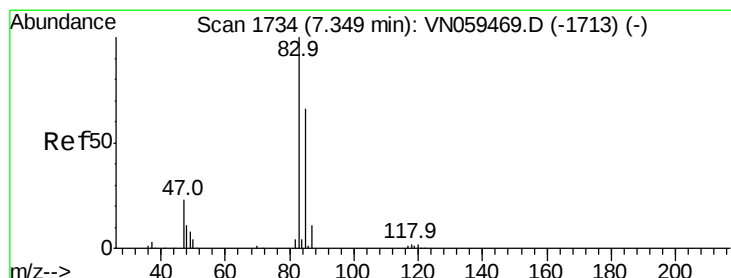
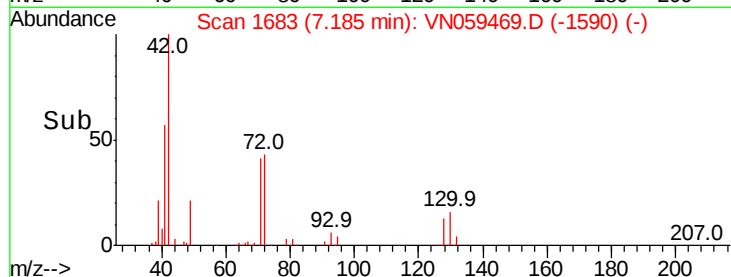
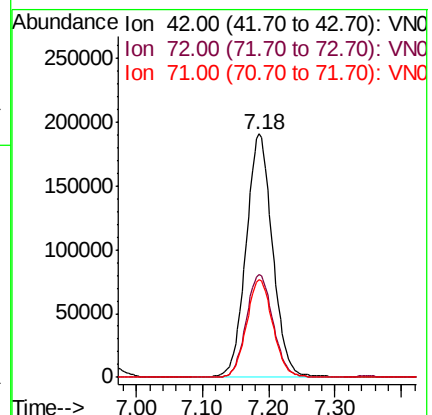
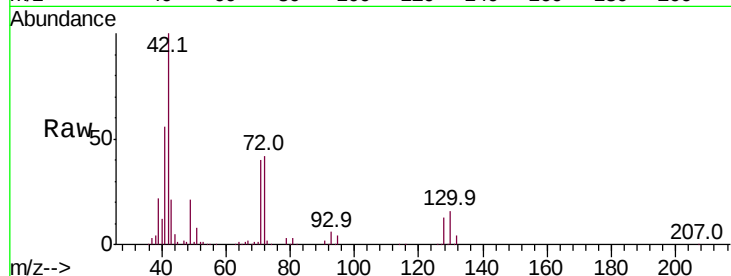
Tot Ion: 42 Resp: 528692

Ion Ratio Lower Upper

42 100

72 42.7 34.2 51.2

71 40.0 32.0 48.0



#30

Chloroform

Concen: 50.777 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059469.D

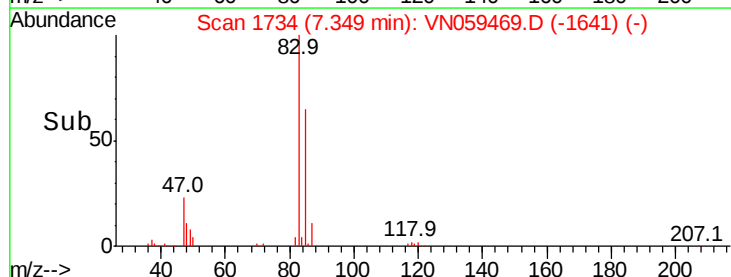
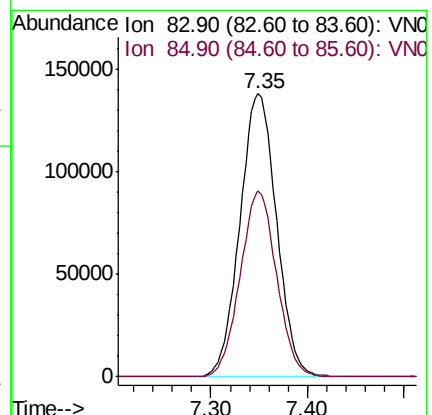
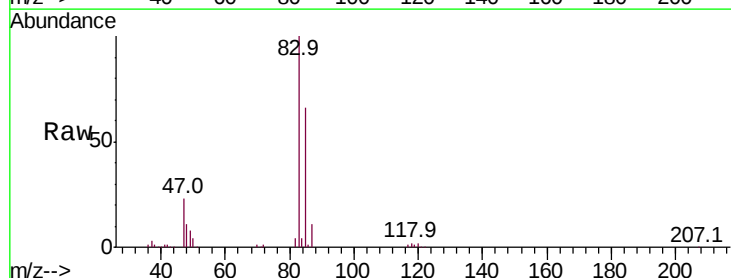
Acq: 3 Dec 2019 14:25

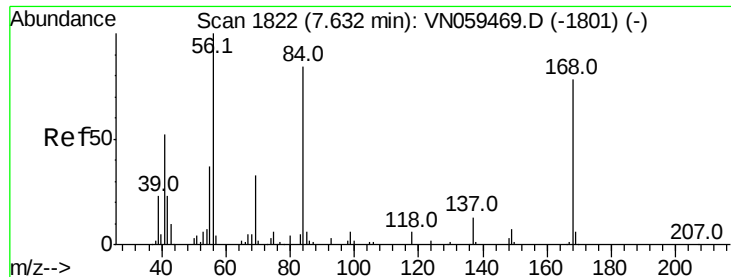
Tgt Ion: 83 Resp: 363702

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6

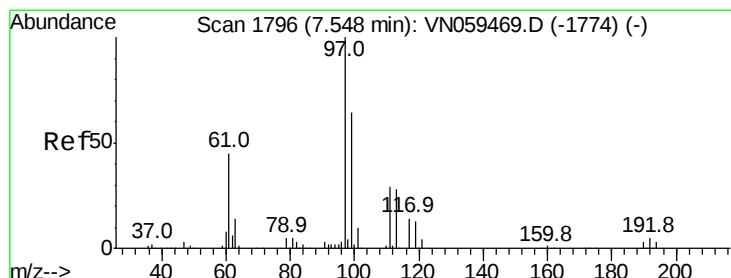
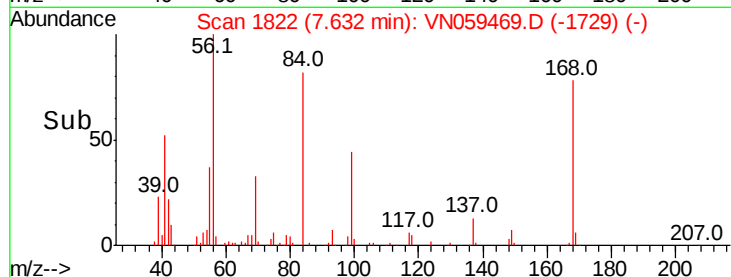
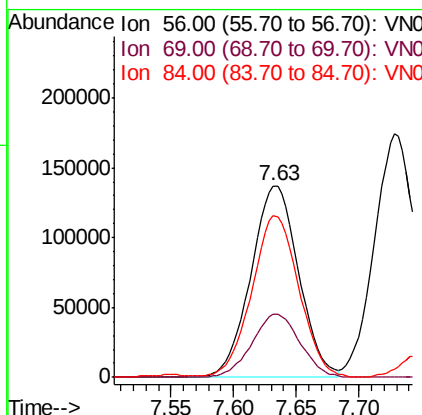
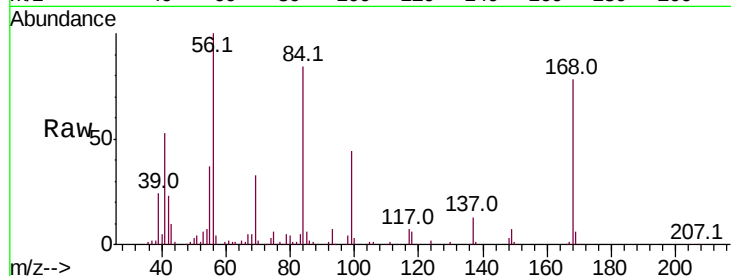




#31
Cyclohexane
Concen: 50.800 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

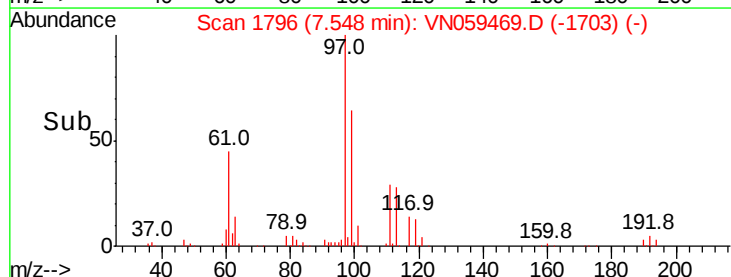
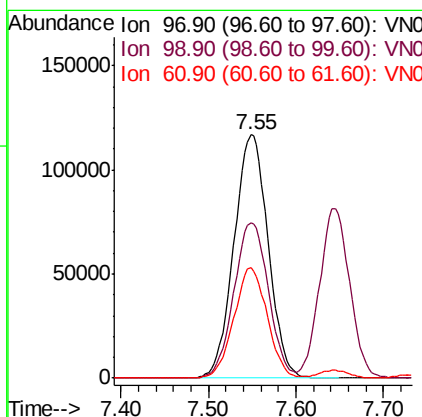
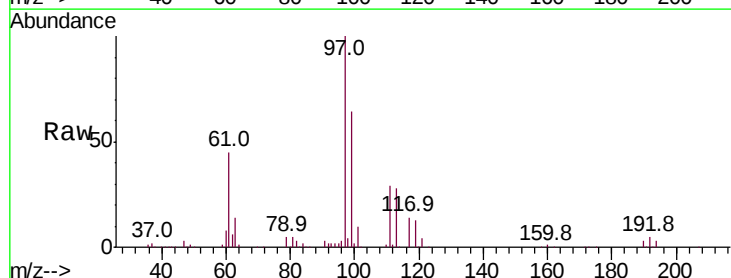
Instrument :
MSVOA_N
ClientSampleId :

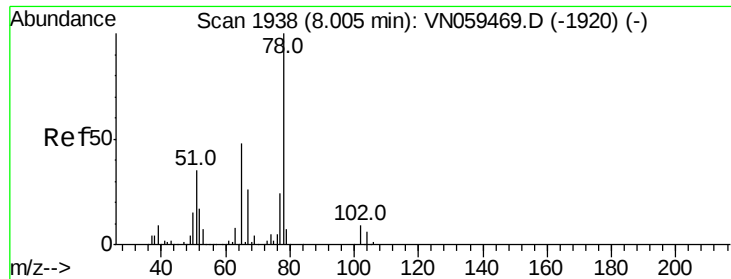
Tot Ion: 56 Resp: 362817
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 83.5 66.8 100.2



#32
1,1,1-Trichloroethane
Concen: 54.072 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 97 Resp: 317009
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 44.2 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 52.456 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

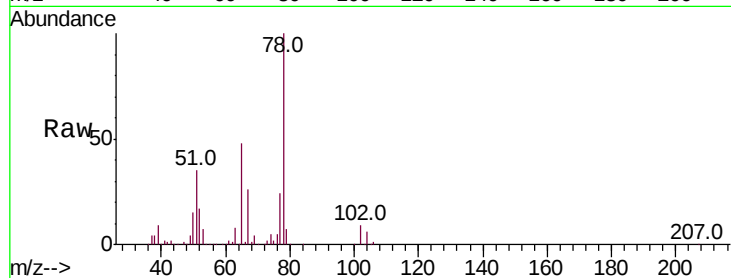
ClientSampleId :

Tot Ion: 65 Resp: 222688

Ion Ratio Lower Upper

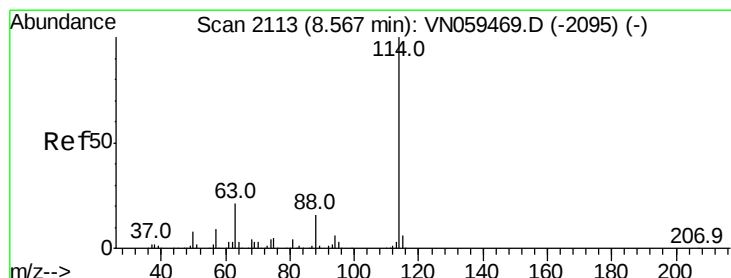
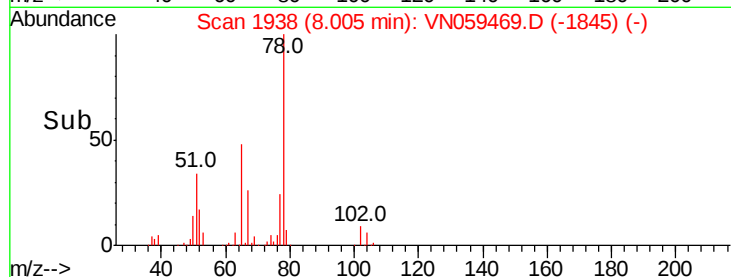
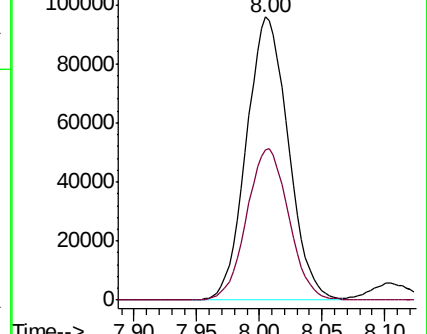
65 100

67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

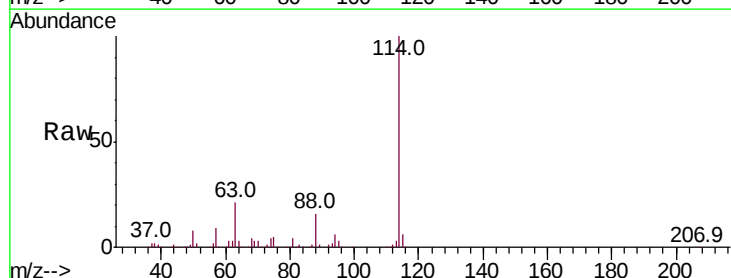
Tgt Ion: 114 Resp: 555020

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

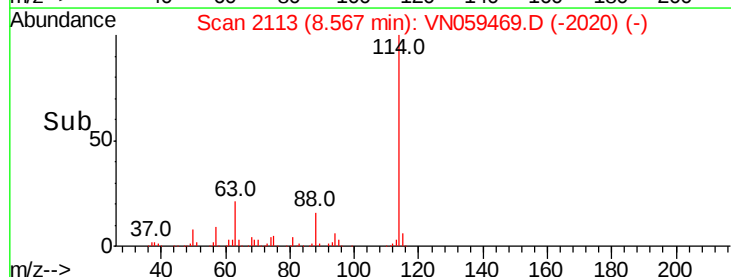
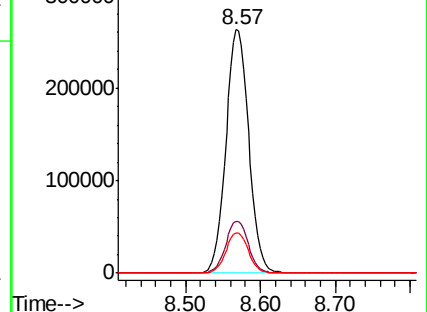
88 16.4 0.0 32.8

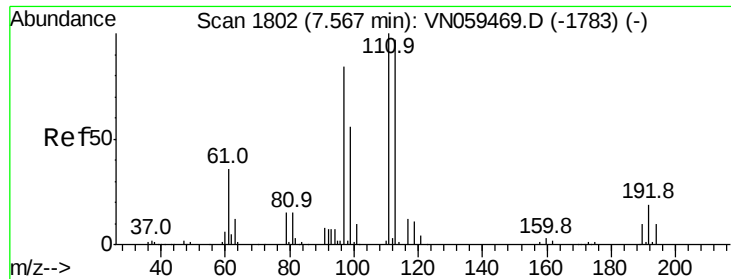


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 51.687 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampled :

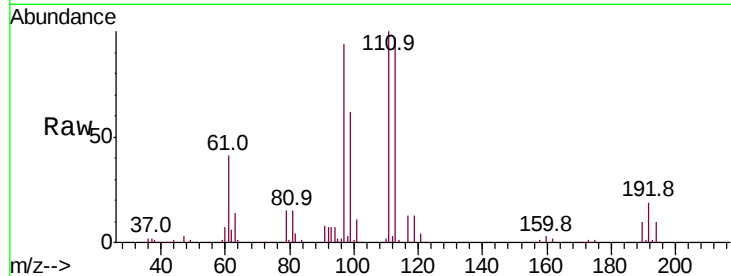
Tot Ion:113 Resp: 175619

Ion Ratio Lower Upper

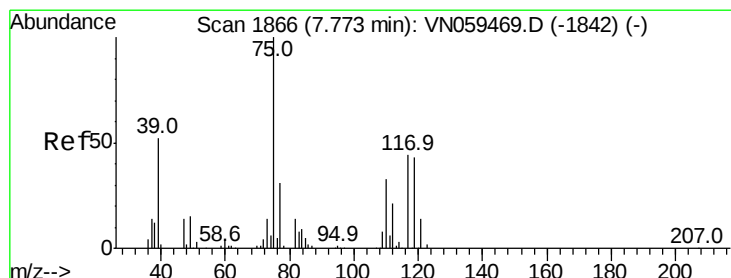
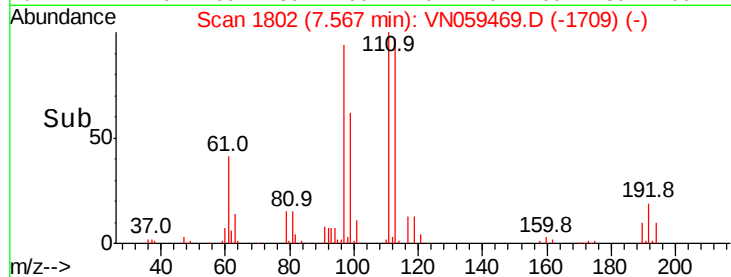
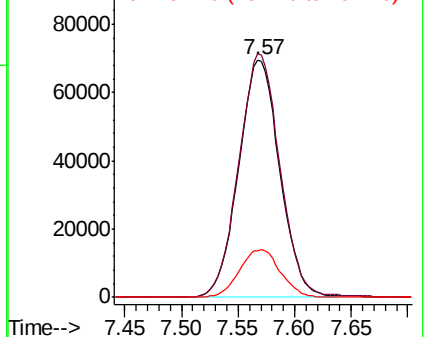
113 100

111 103.1 82.5 123.7

192 20.1 16.1 24.1



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



#36

1,1-Dichloropropene

Concen: 53.769 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

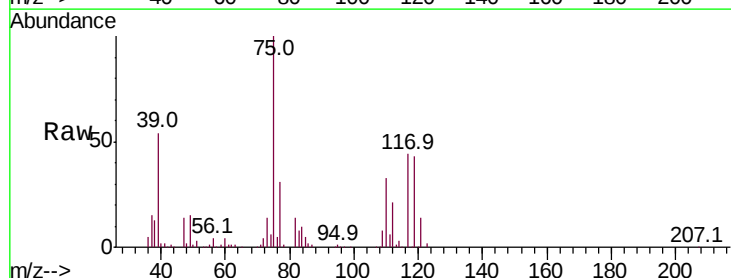
Tgt Ion: 75 Resp: 290209

Ion Ratio Lower Upper

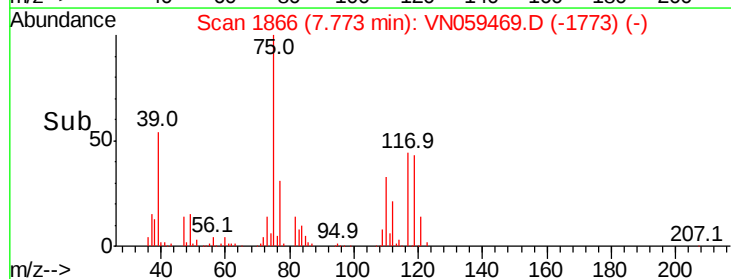
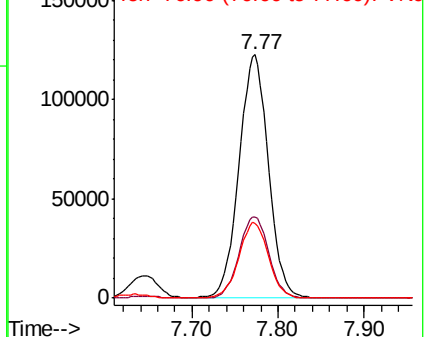
75 100

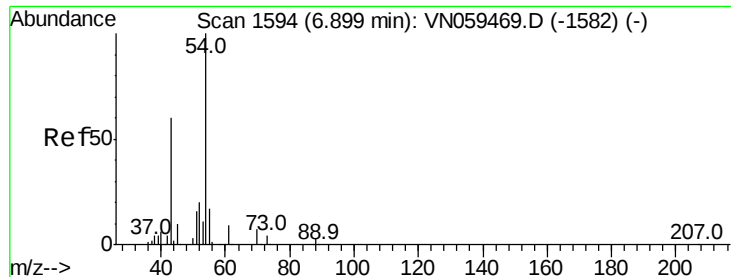
110 33.8 16.9 50.7

77 31.4 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

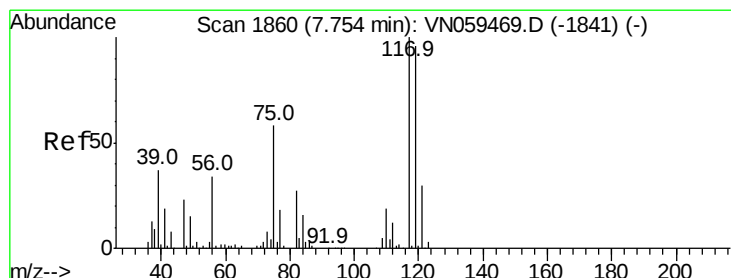
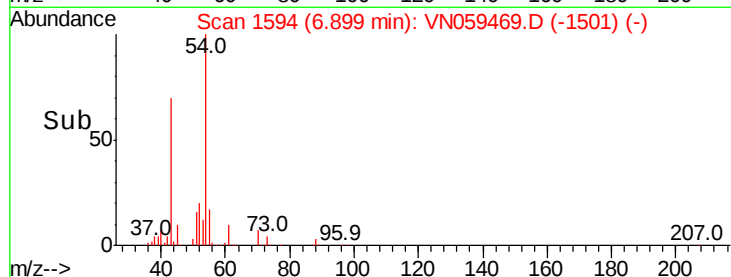
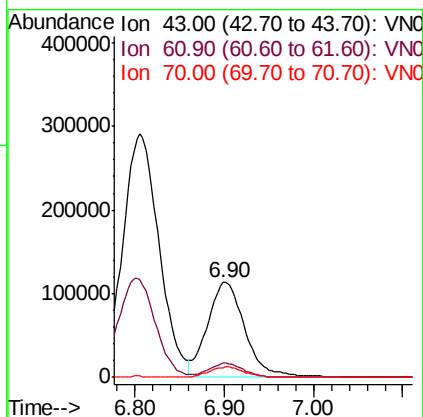
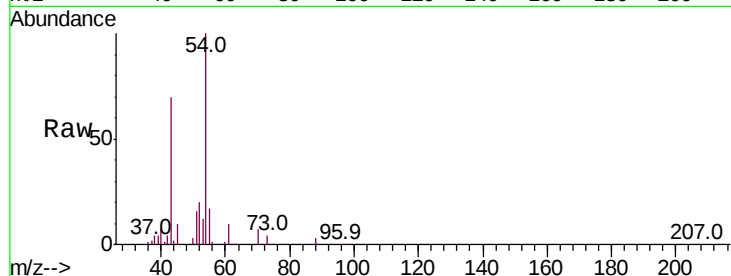




#37
Ethyl Acetate
Concen: 55.903 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

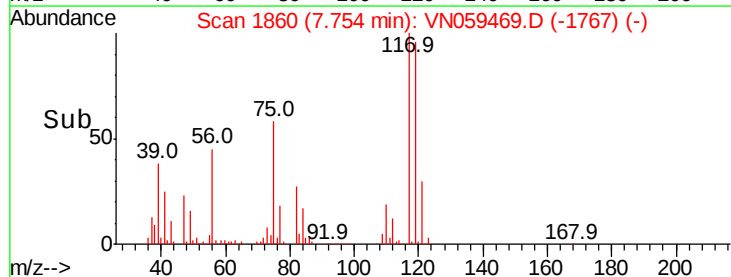
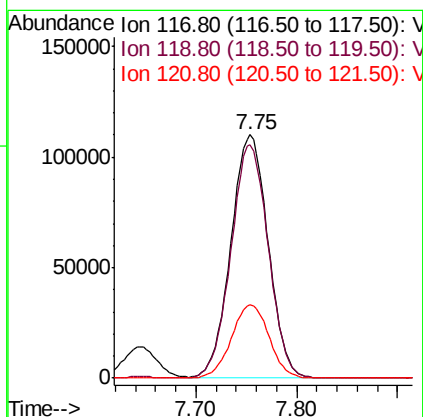
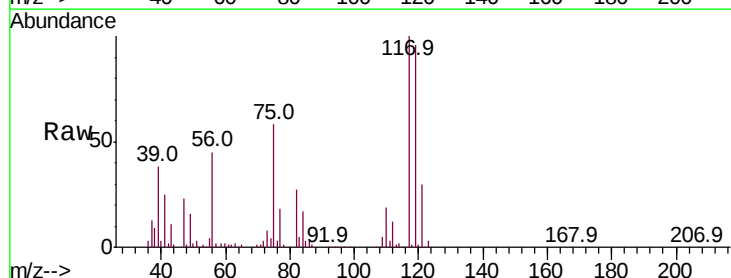
Instrument :
MSVOA_N
ClientSampleId :

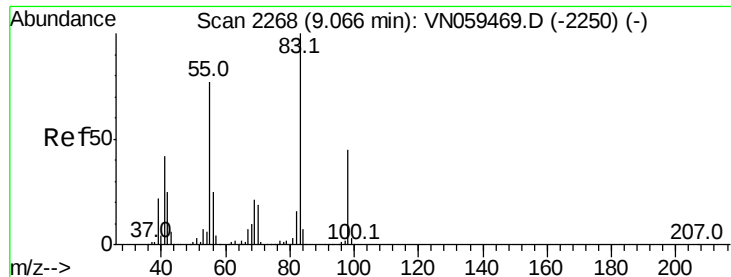
Tot Ion: 43 Resp: 325332
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 55.254 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 117 Resp: 282891
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
121 30.0 24.0 36.0

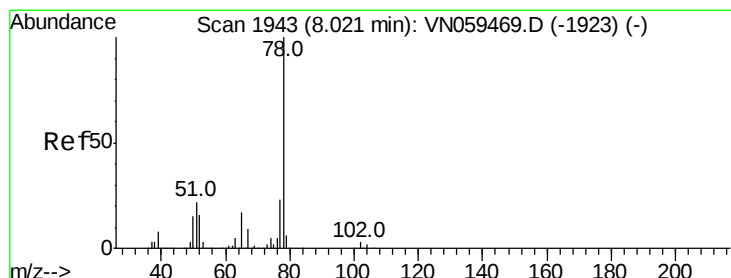
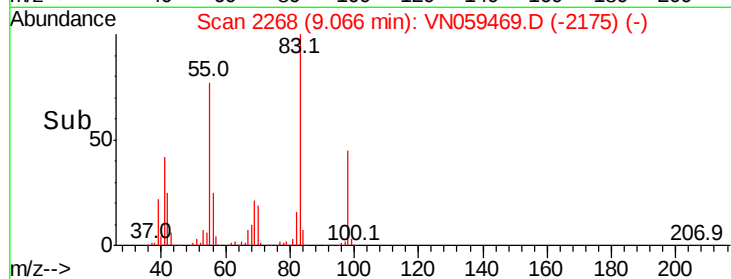
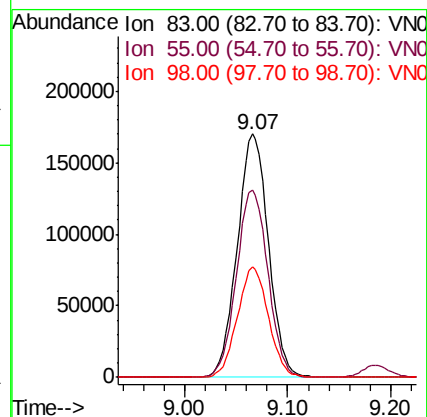
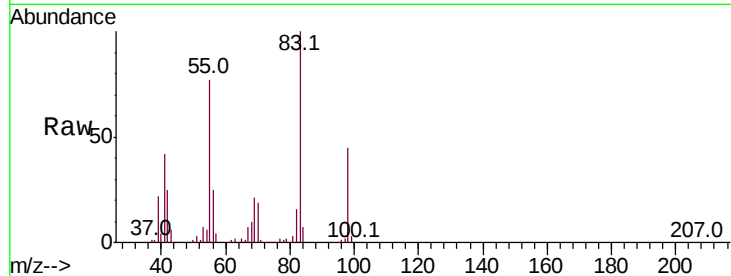




#39
Methvlcvclohexane
Concen: 55.422 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

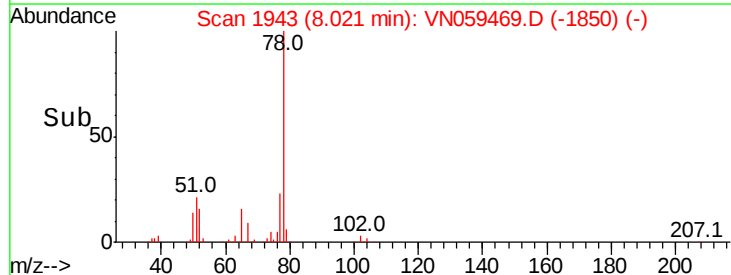
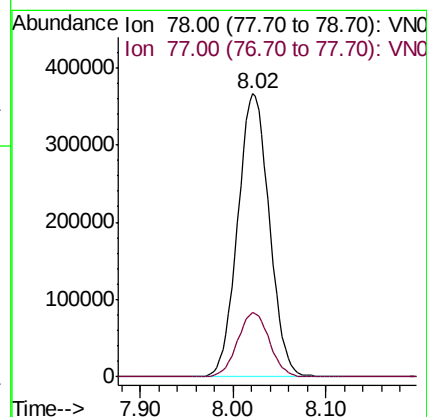
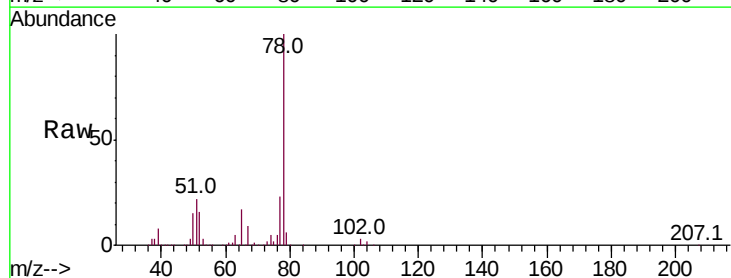
Instrument :
MSVOA_N
ClientSampleId :

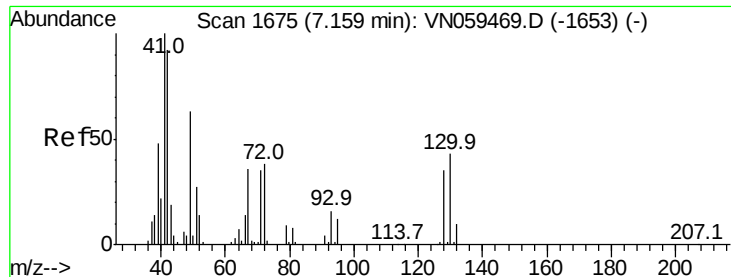
Tot Ion: 83 Resp: 358127
Ion Ratio Lower Upper
83 100
55 77.2 61.8 92.6
98 45.2 36.2 54.2



#40
Benzene
Concen: 53.859 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 78 Resp: 864404
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2

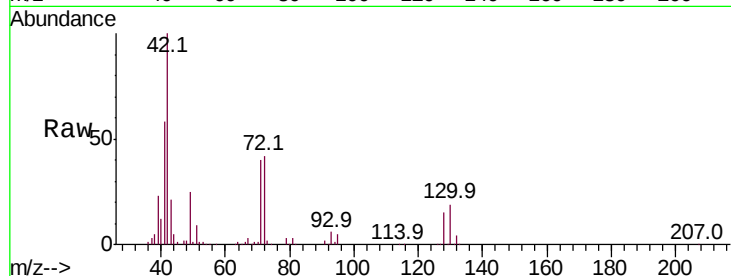




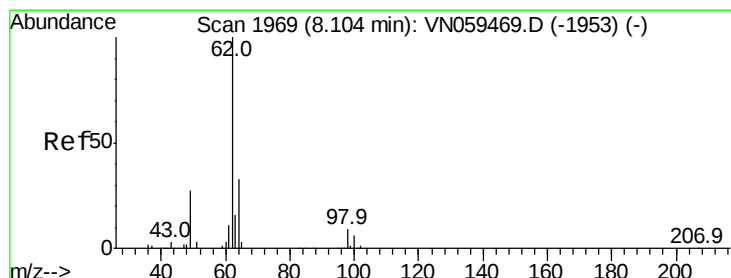
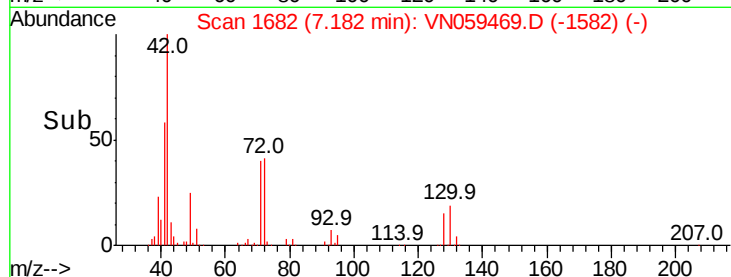
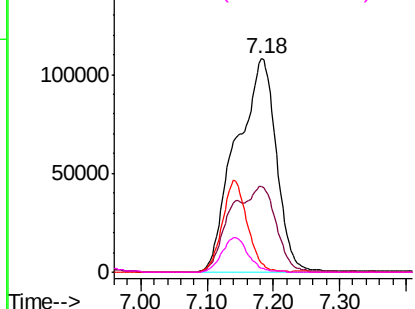
#41
Methacrylonitrile
Concen: 168.866 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	456213
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

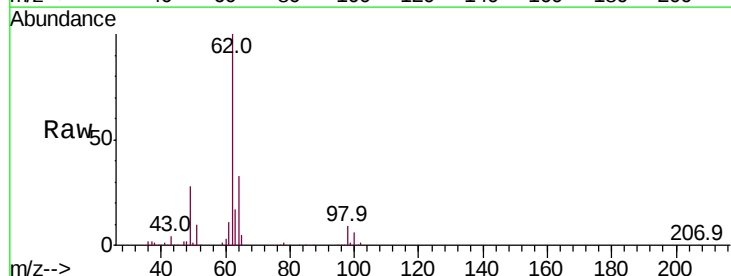


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

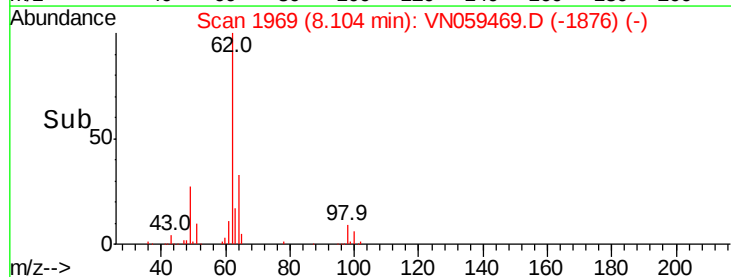
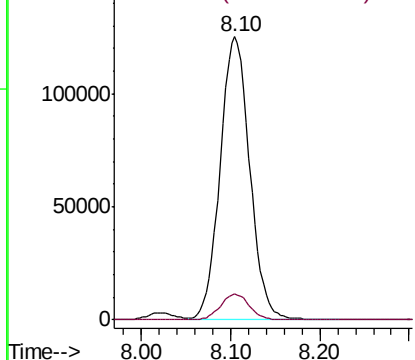


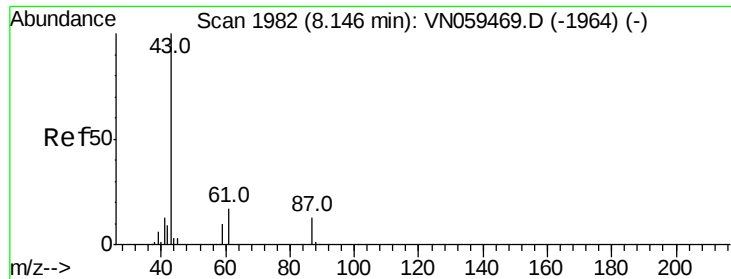
#42
1,2-Dichloroethane
Concen: 56.187 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion:	62	Resp:	288112
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

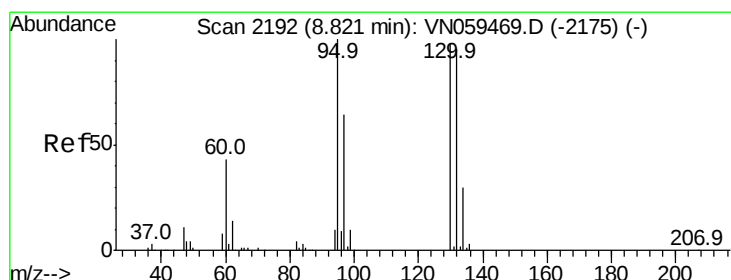
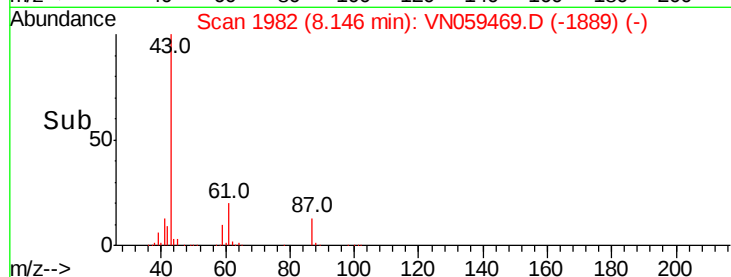
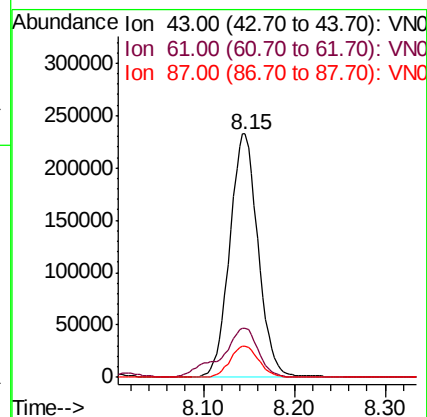
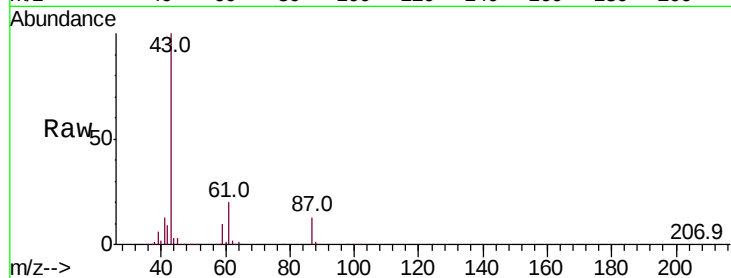




#43
Isopropyl Acetate
Concen: 56.911 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

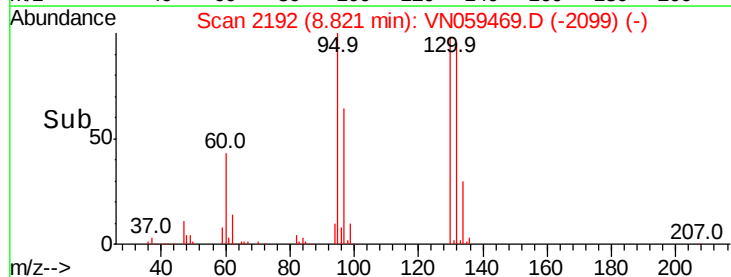
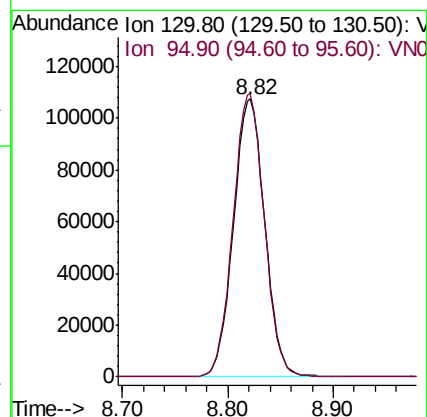
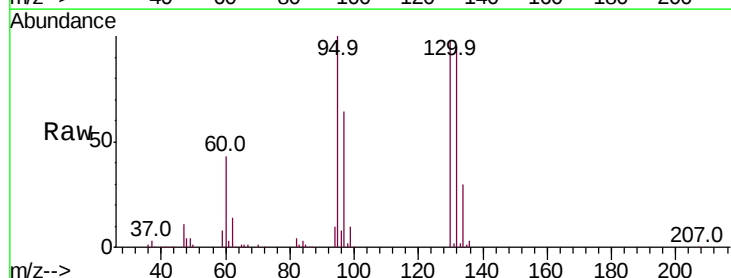
Instrument :
MSVOA_N
ClientSampleId :

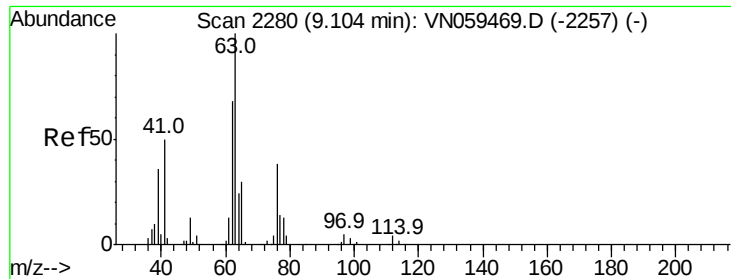
Tot Ion: 43 Resp: 500805
Ion Ratio Lower Upper
43 100
61 26.3 21.0 31.6
87 13.0 10.4 15.6



#44
Trichloroethene
Concen: 54.024 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion:130 Resp: 220668
Ion Ratio Lower Upper
130 100
95 101.8 0.0 203.6





#45

1,2-Dichloropropane

Concen: 54.766 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

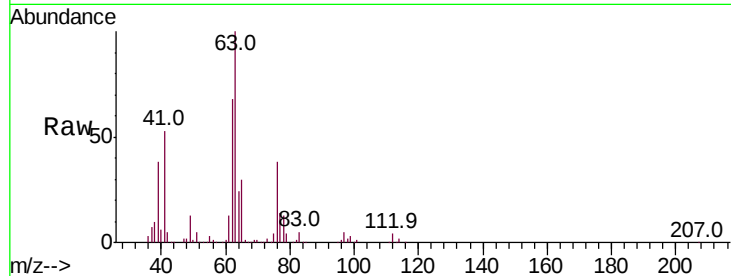
ClientSampleId :

Tot Ion: 63 Resp: 229987

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

60000

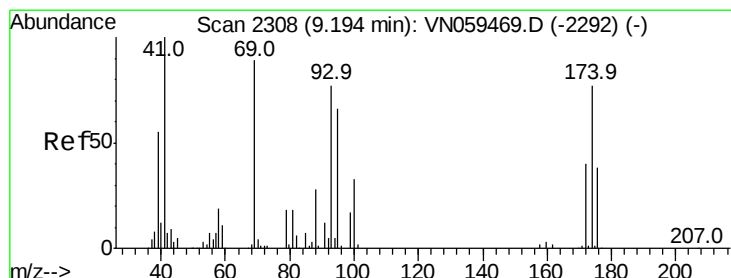
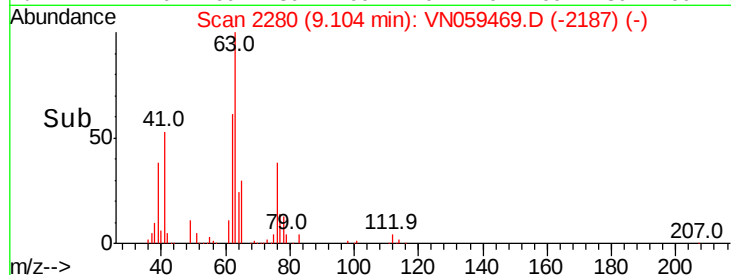
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 54.822 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

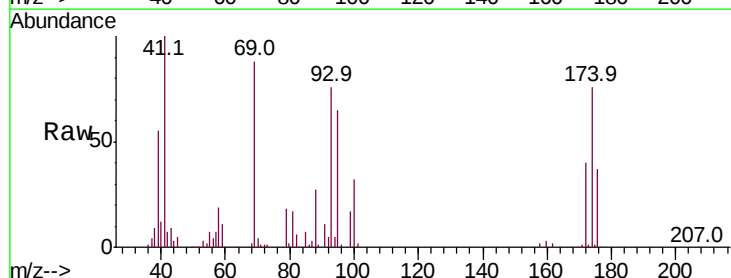
Tgt Ion: 93 Resp: 142304

Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 99.5 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

60000

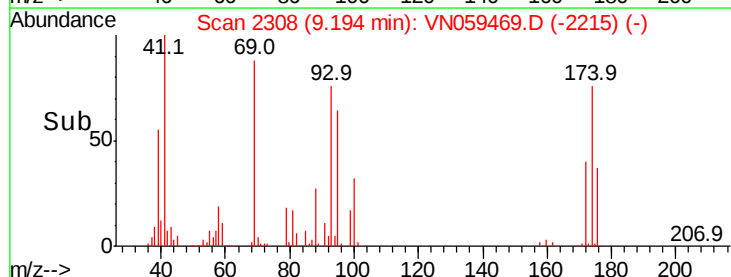
40000

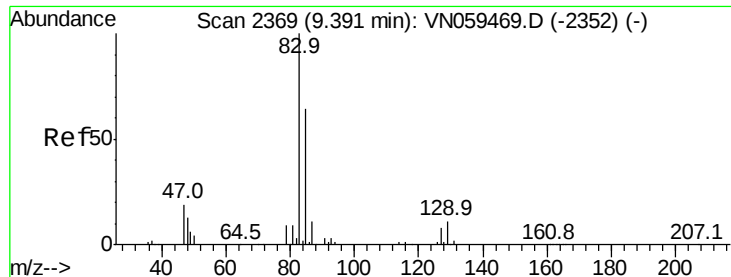
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 54.740 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

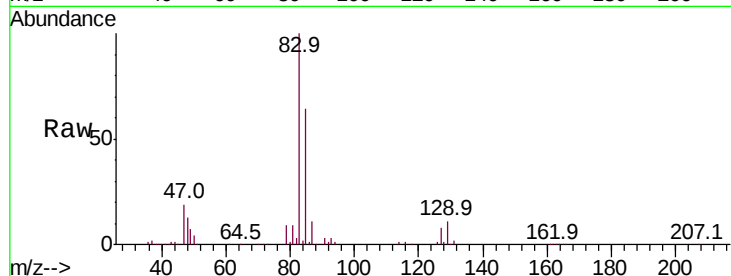
Tot Ion: 83 Resp: 287468

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.6

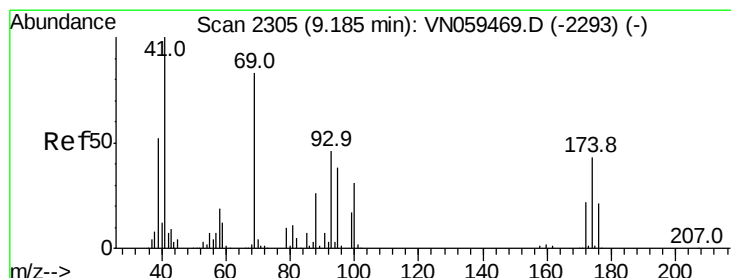
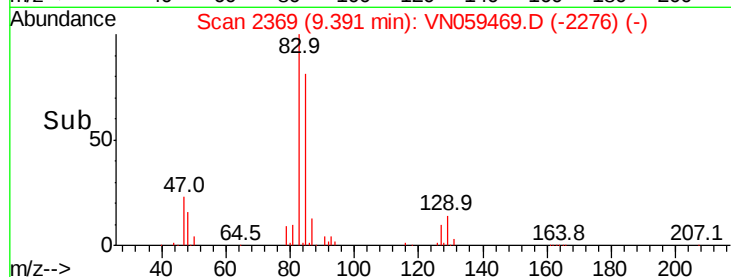
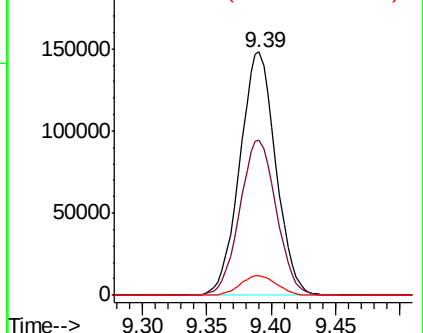
127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059469.D (-2352) (-)



#48

Methyl methacrylate

Concen: 57.393 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

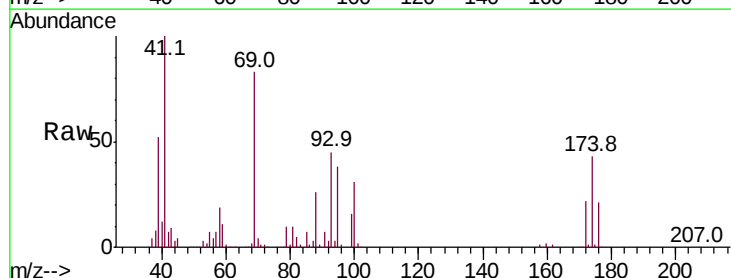
Tgt Ion: 41 Resp: 224631

Ion Ratio Lower Upper

41 100

69 85.8 68.6 103.0

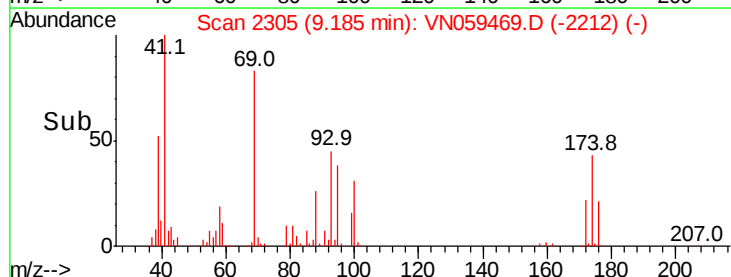
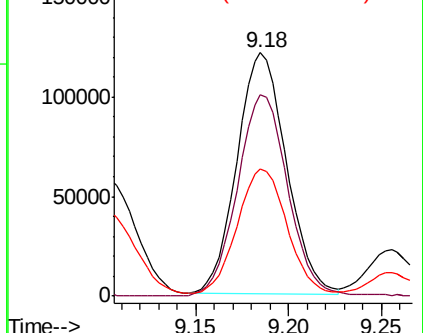
39 54.0 43.2 64.8

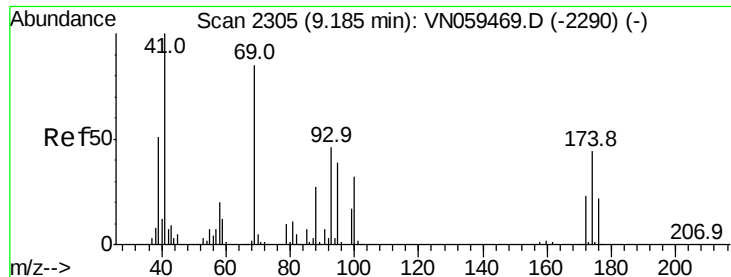


Abundance Ion 41.00 (40.70 to 41.70): VN059469.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059469.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059469.D (-2293) (-)





#49

1,4-Dioxane

Concen: 1189.726 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :

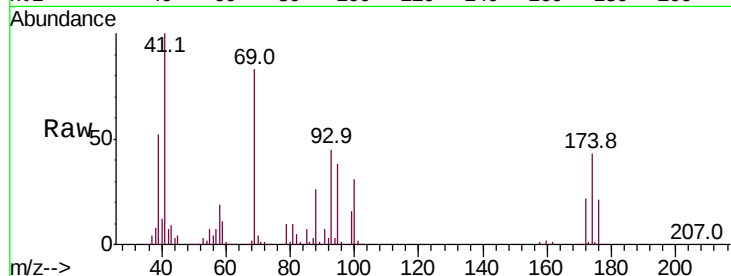
Tot Ion: 88 Resp: 66057

Ion Ratio Lower Upper

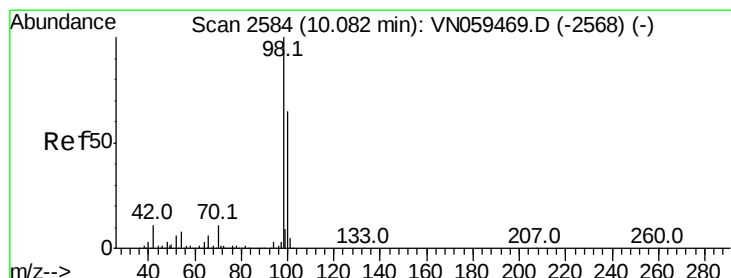
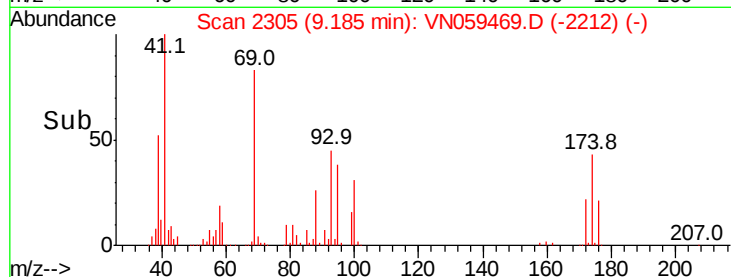
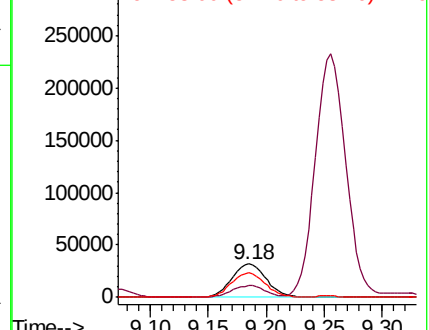
88 100

43 33.9 27.1 40.7

58 72.2 57.8 86.6



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: 52.177 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059469.D

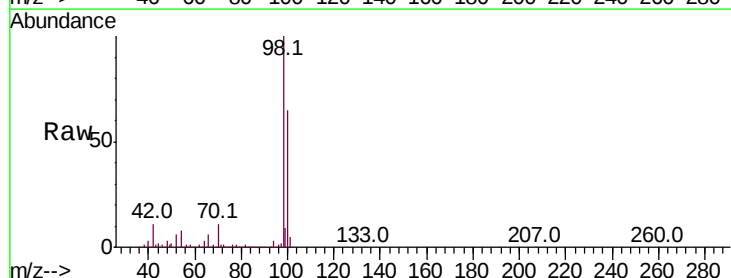
Acq: 3 Dec 2019 14:25

Tgt Ion: 98 Resp: 707232

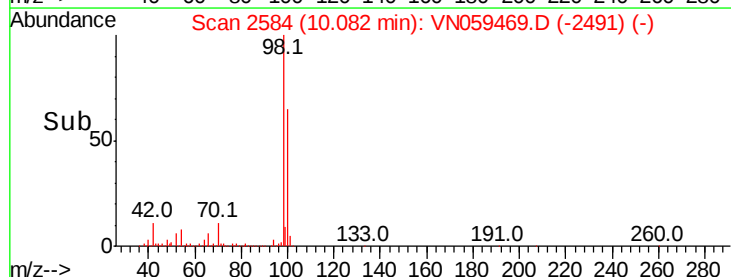
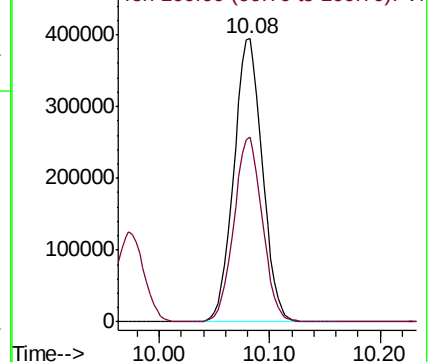
Ion Ratio Lower Upper

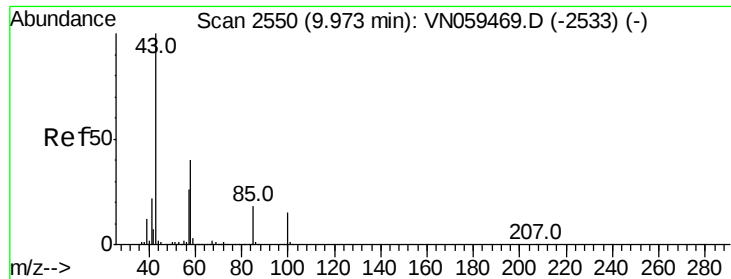
98 100

100 65.1 52.1 78.1



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: 300.819 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

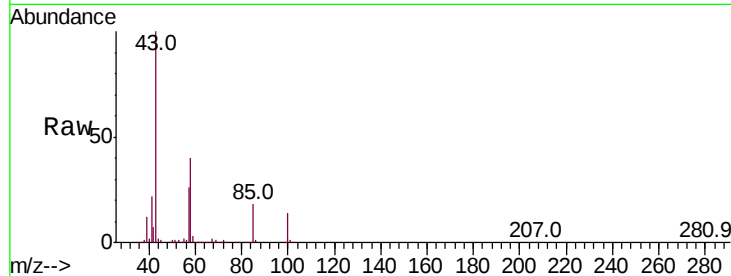
ClientSampleId :

Tot Ion: 43 Resp: 1547000

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

400000

200000

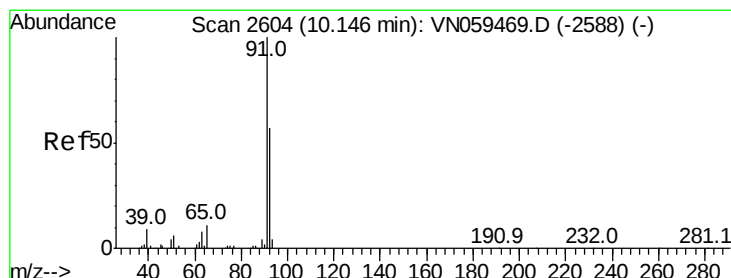
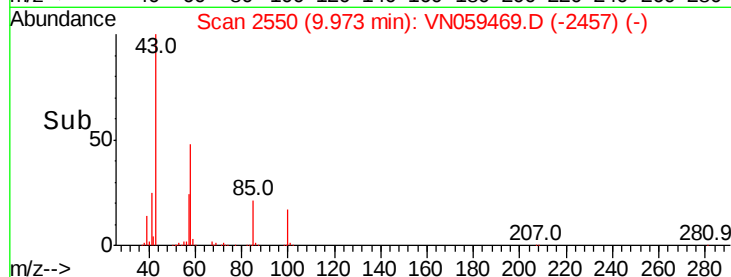
0

9.90

9.97

10.00

Time-->



#52

Toluene

Concen: 55.148 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059469.D

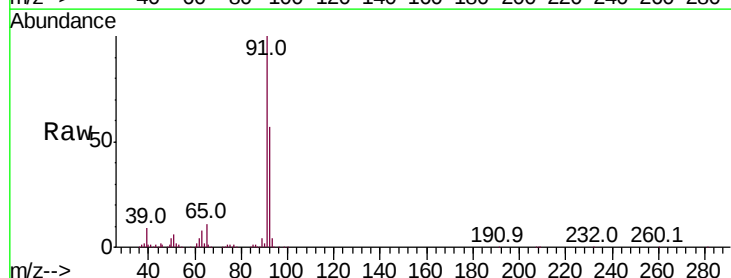
Acq: 3 Dec 2019 14:25

Tgt Ion: 92 Resp: 529393

Ion Ratio Lower Upper

92 100

91 173.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

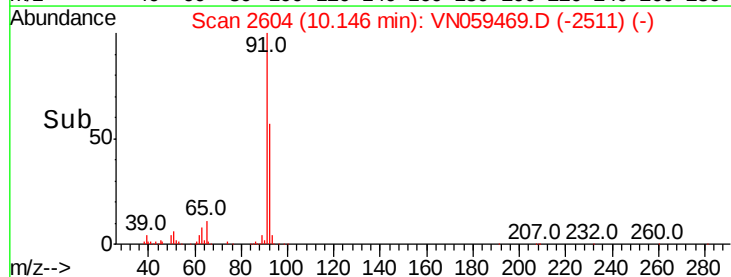
0

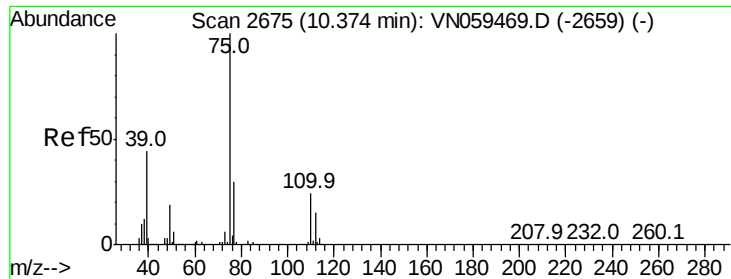
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.237 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

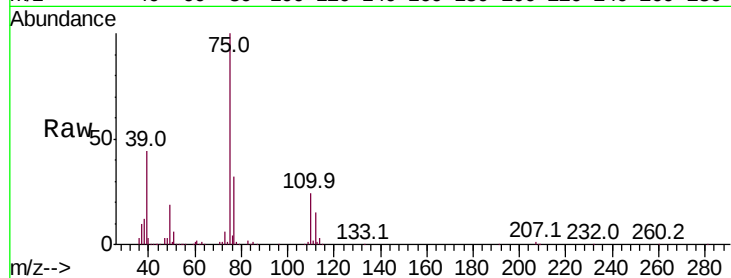
ClientSampleId :

Tot Ion: 75 Resp: 339717

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

150000

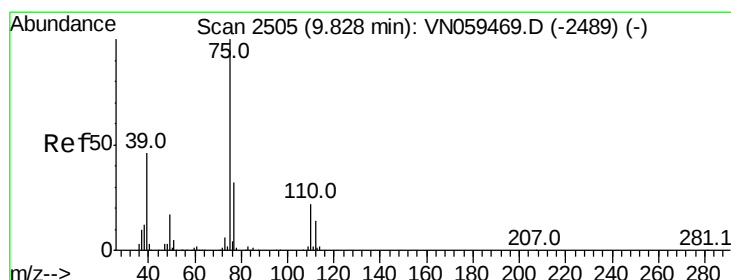
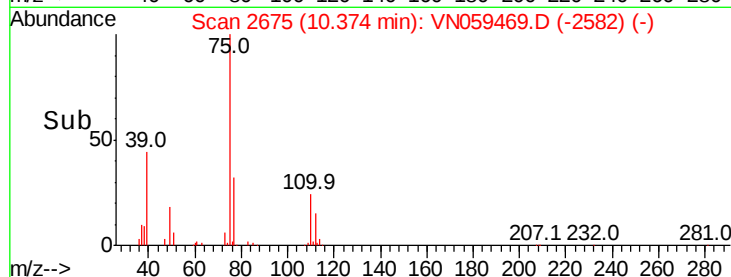
100000

50000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 56.273 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

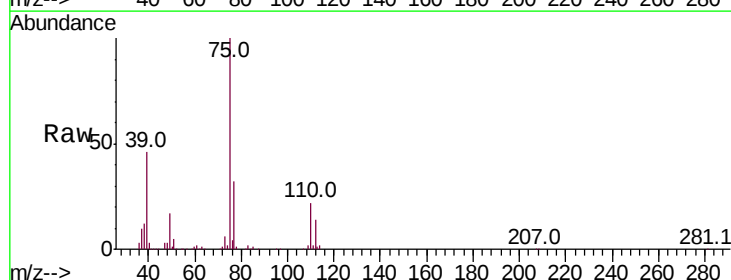
Tgt Ion: 75 Resp: 365563

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 45.7 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

150000

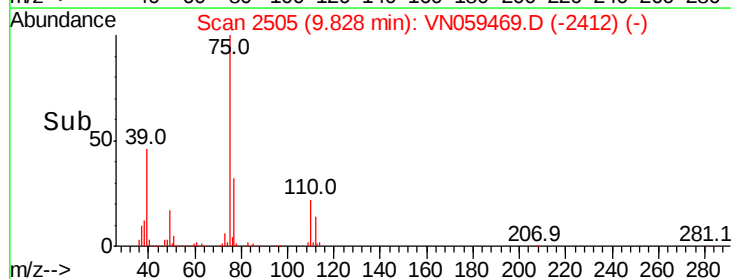
100000

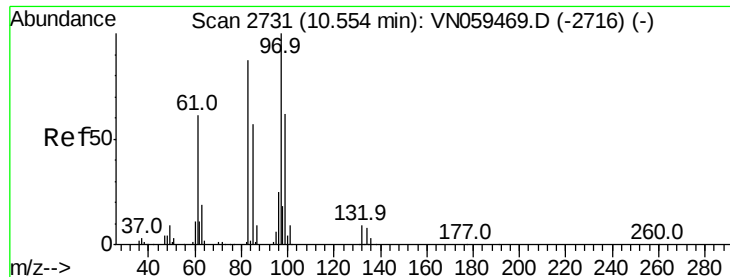
50000

0

Time-->

9.70 9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 55.152 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 208079

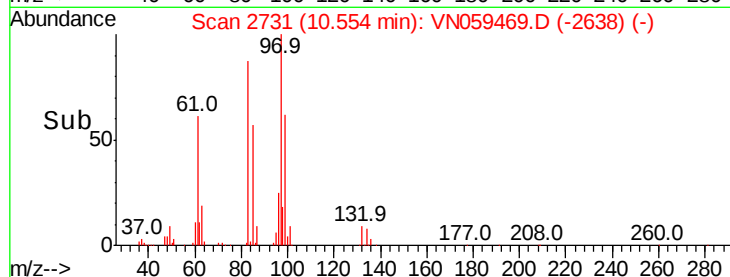
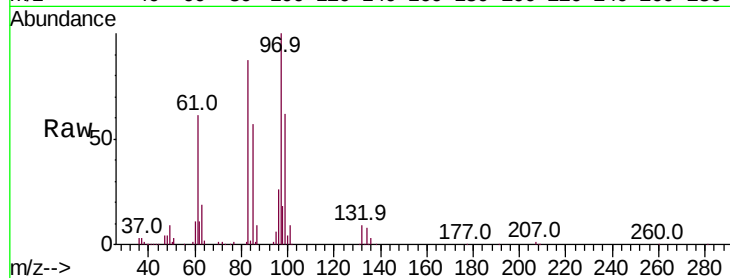
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	56.9	45.5	68.3
99	62.5	50.0	75.0

97 100

83 87.3 69.8 104.8

85 56.9 45.5 68.3

99 62.5 50.0 75.0

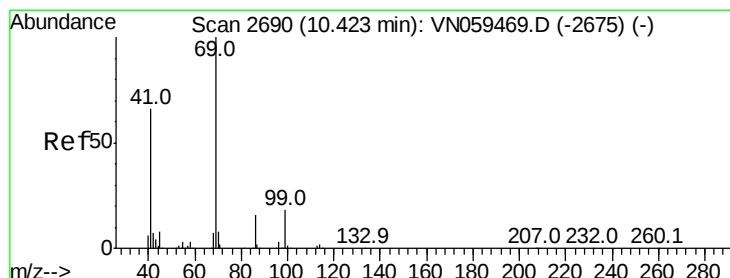
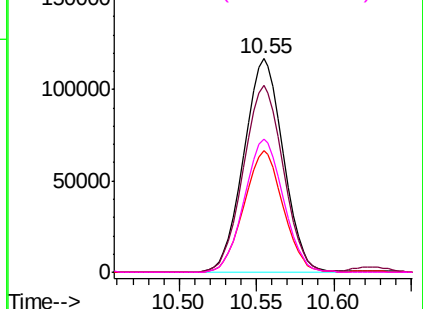


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 58.747 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

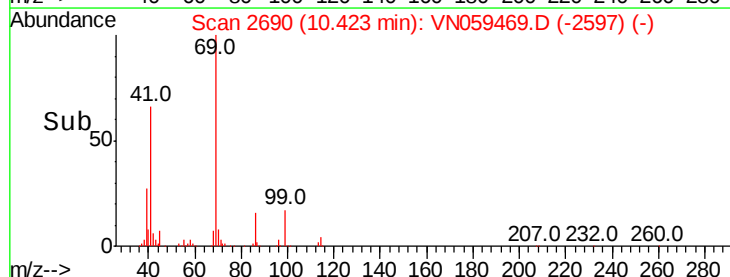
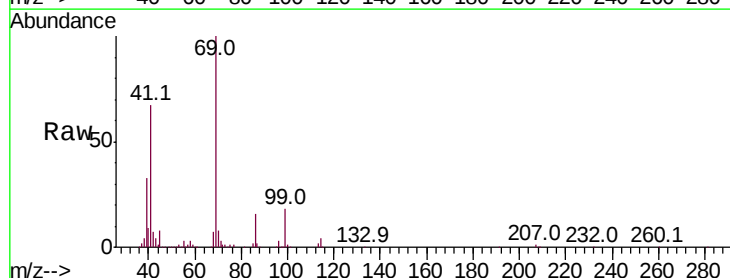
Tgt Ion: 69 Resp: 323658

Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.7	79.1
39	31.3	25.0	37.6

69 100

41 65.9 52.7 79.1

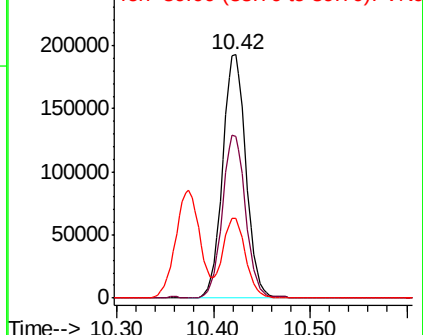
39 31.3 25.0 37.6

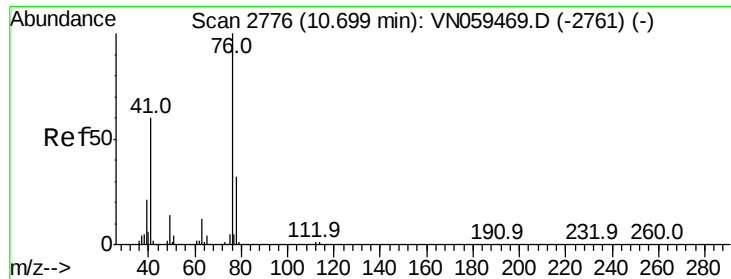


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.780 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

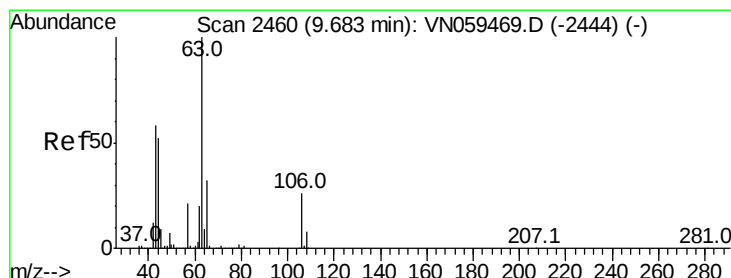
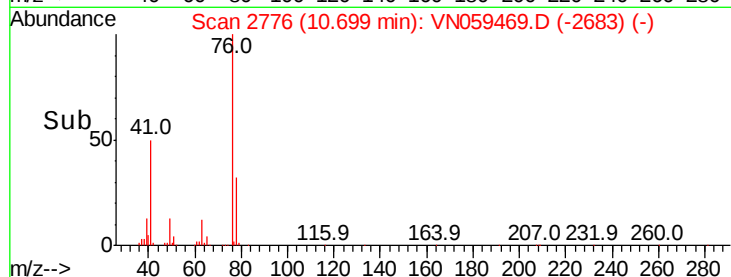
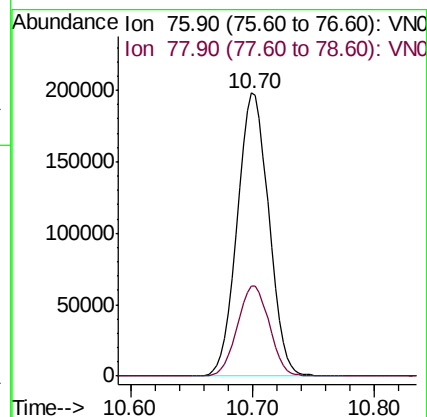
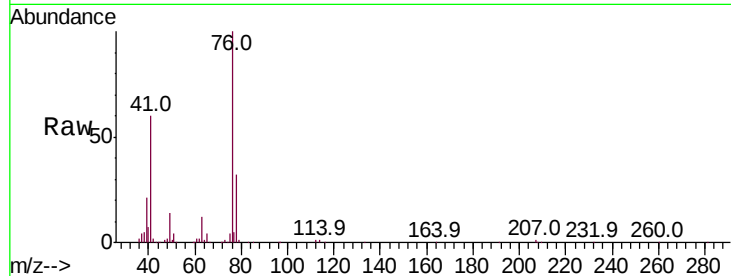
ClientSampleId :

Tot Ion: 76 Resp: 355897

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 328.895 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059469.D

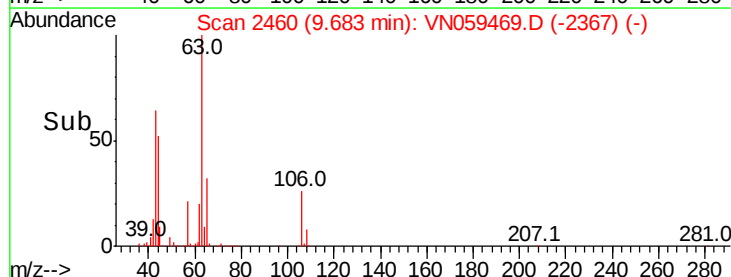
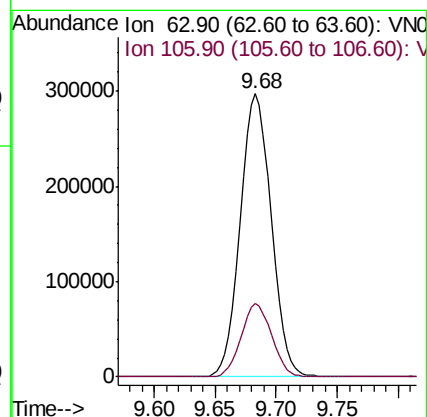
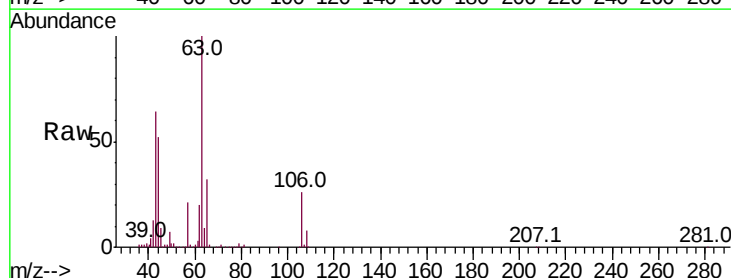
Acq: 3 Dec 2019 14:25

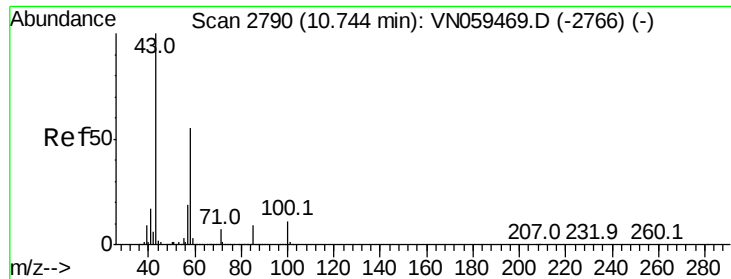
Tgt Ion: 63 Resp: 522437

Ion Ratio Lower Upper

63 100

106 25.5 20.4 30.6

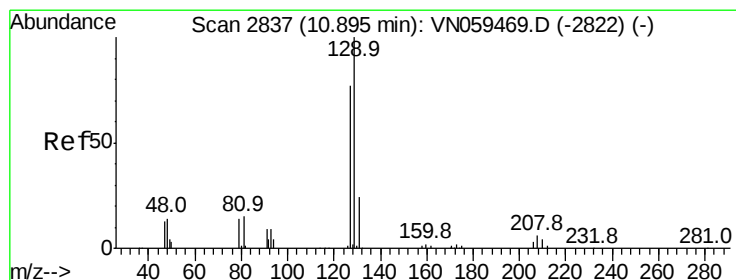
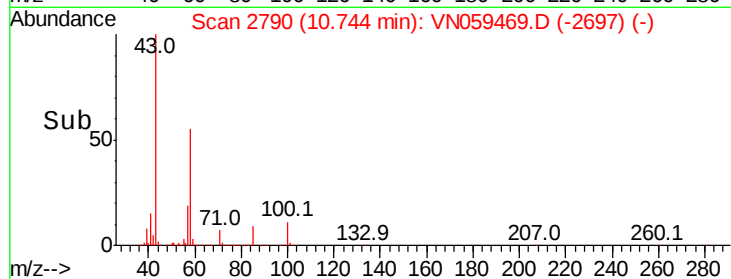
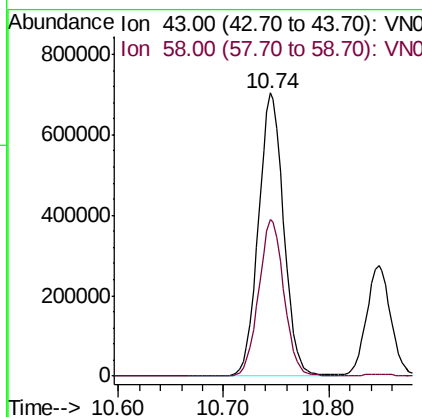
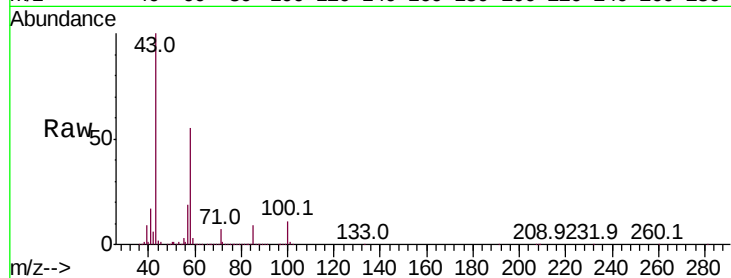




#59
2-Hexanone
Concen: 307.589 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

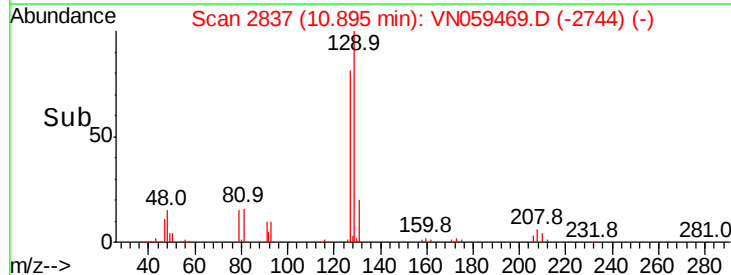
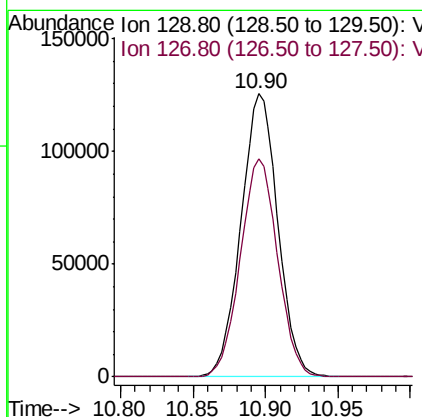
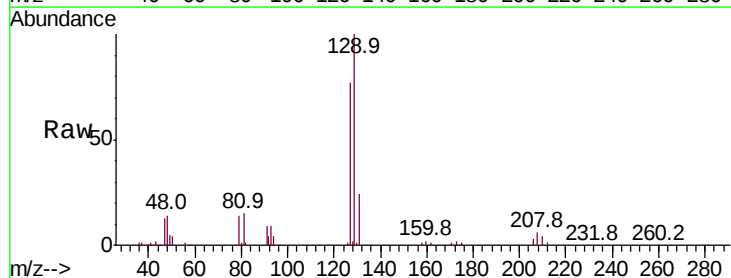
Instrument :
MSVOA_N
ClientSampled :

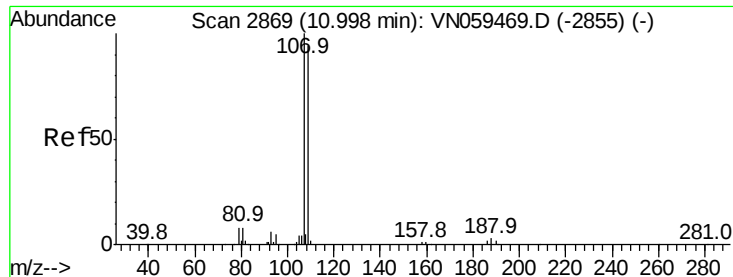
Tot Ion: 43 Resp: 1175976
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0



#60
Dibromochloromethane
Concen: 56.616 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 129 Resp: 222106
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

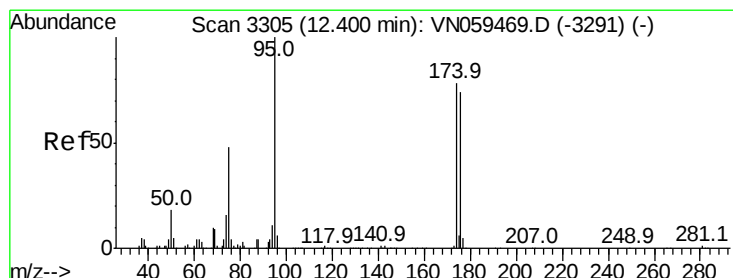
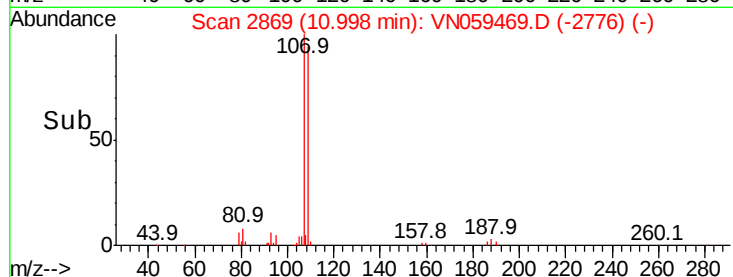
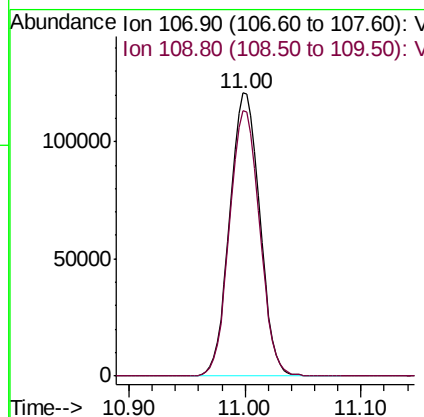
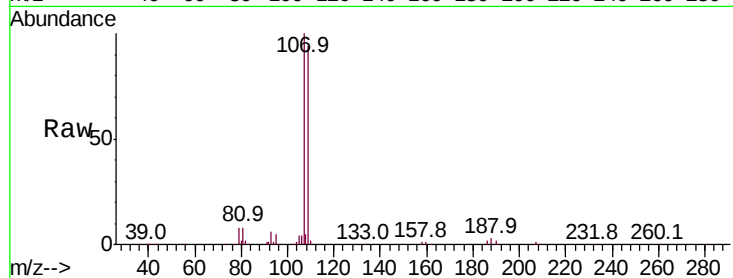




#61
 1,2-Dibromoethane
 Concen: 55.963 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

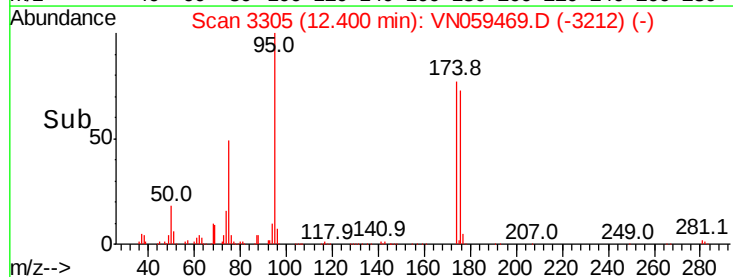
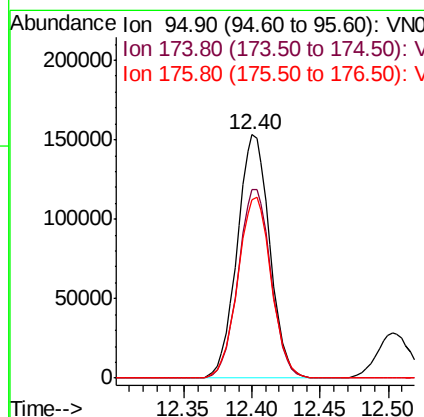
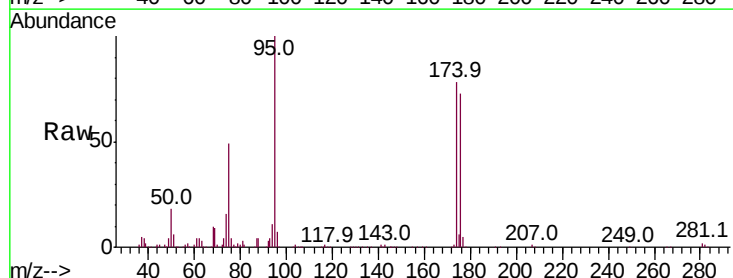
Instrument :
 MSVOA_N
 ClientSampleId :

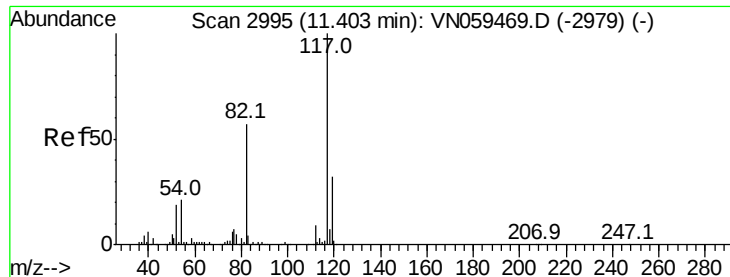
Tot Ion: 107 Resp: 216345
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.584 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Tgt Ion: 95 Resp: 253384
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 157.0
 176 76.2 0.0 152.4

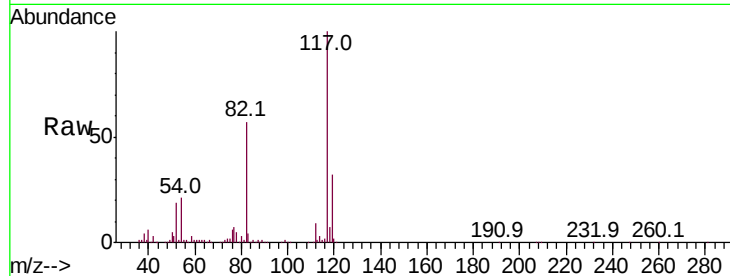




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	31.7	25.4	38.0

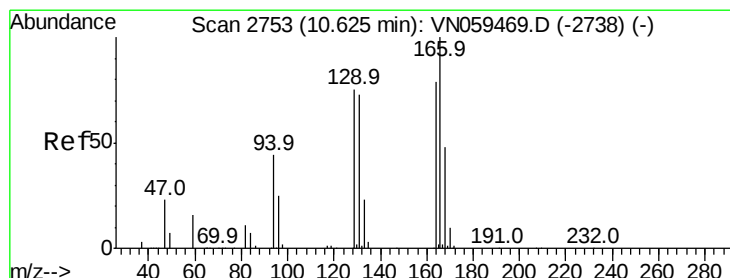
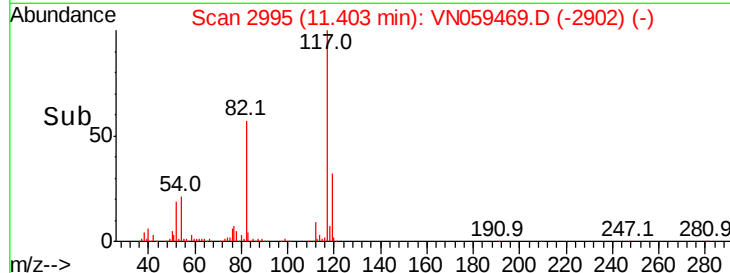
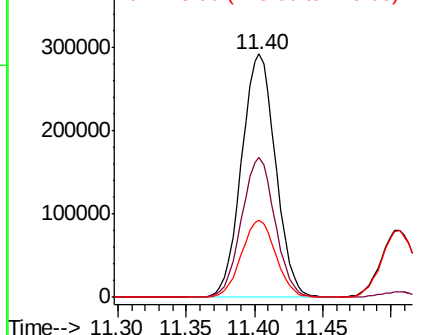


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.728 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.2	151.8
129	95.1	76.1	114.1
131	92.1	73.7	110.5

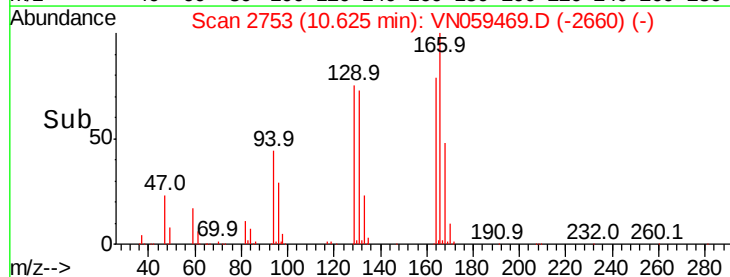
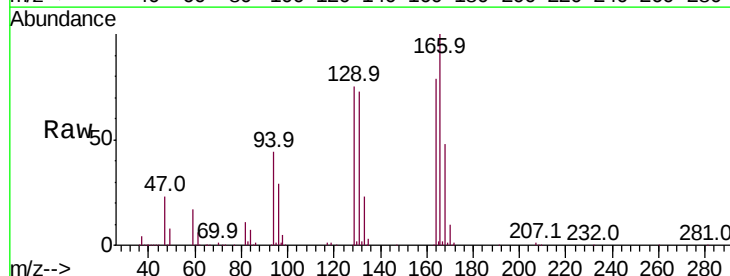
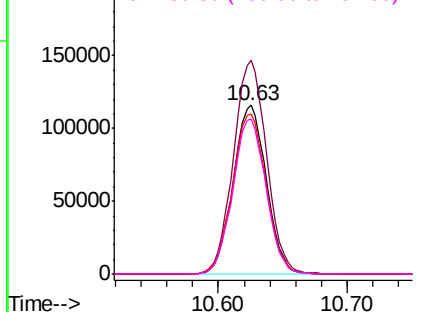
Abundance

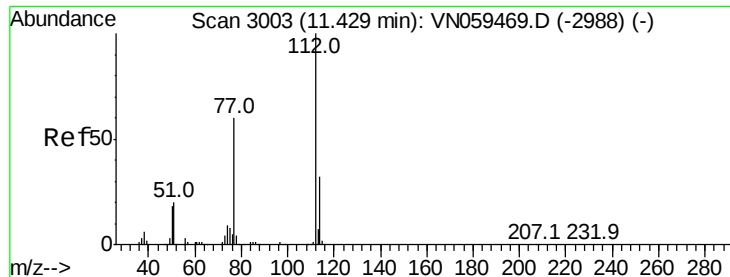
Ion 163.80 (163.50 to 164.50): V

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

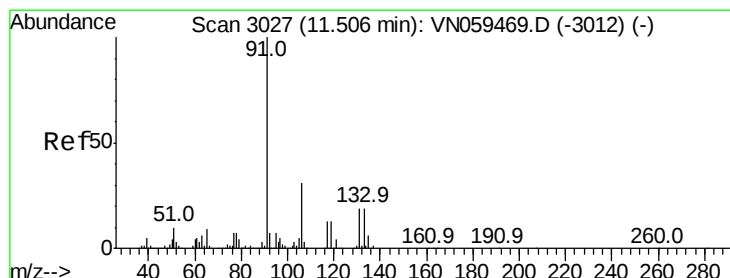
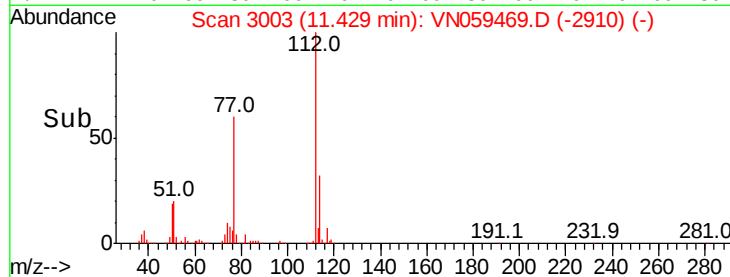
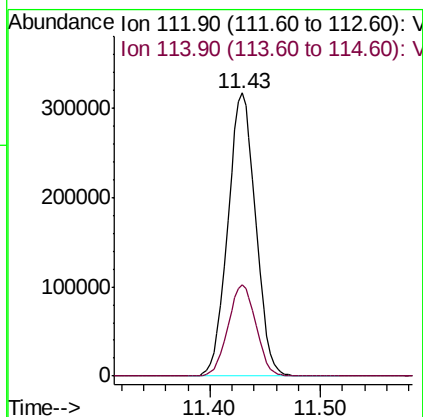
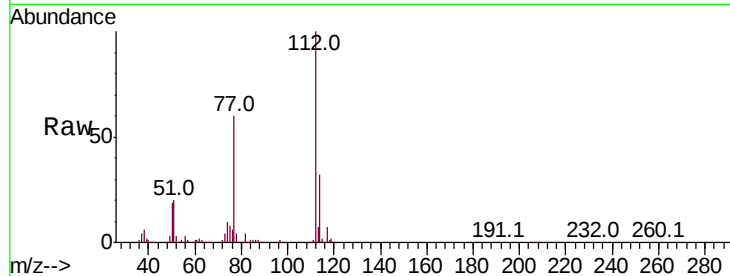




#65
Chlorobenzene
Concen: 53.264 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

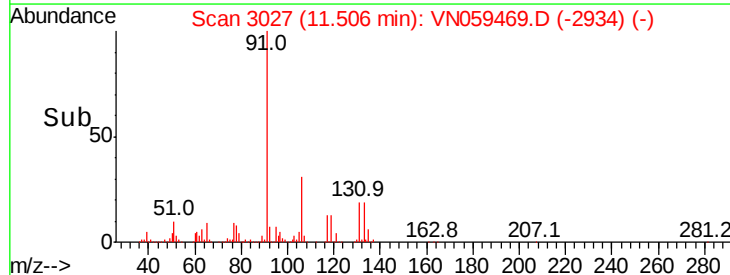
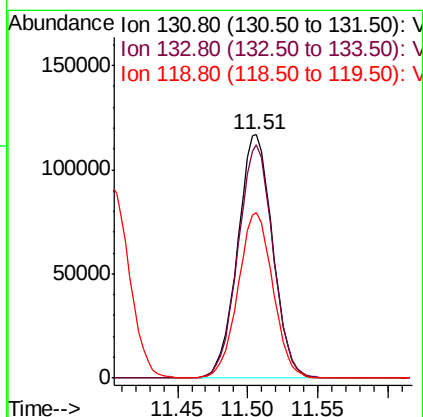
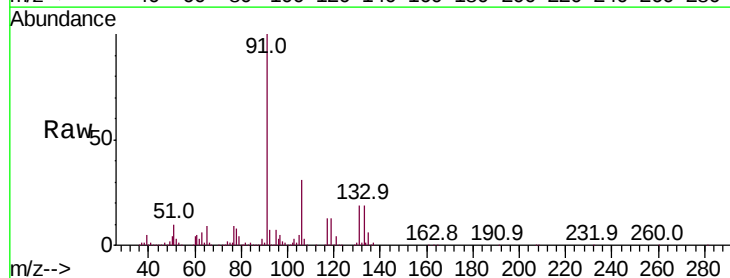
Instrument :
MSVOA_N
ClientSampleId :

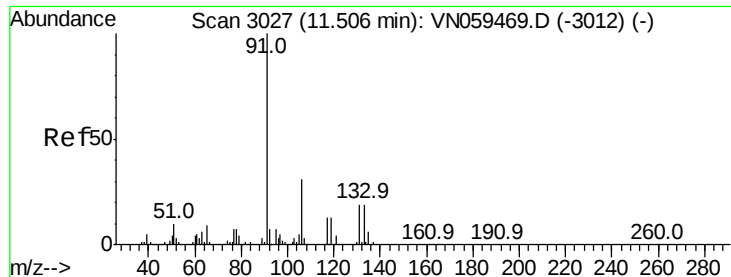
Tot Ion:112 Resp: 551550
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.075 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion:131 Resp: 203304
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.7 33.9 101.6





#67

Ethyl Benzene

Concen: 55.492 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

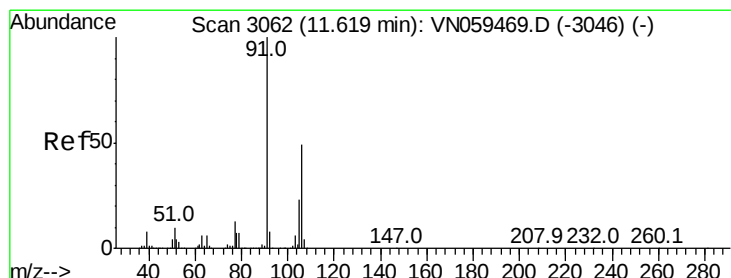
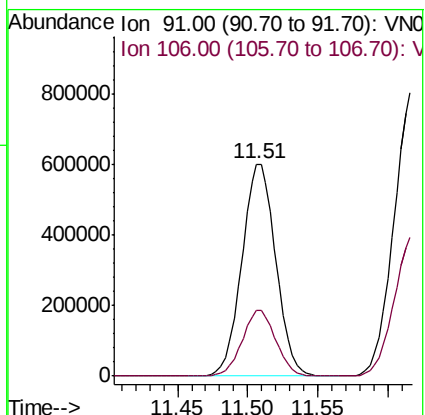
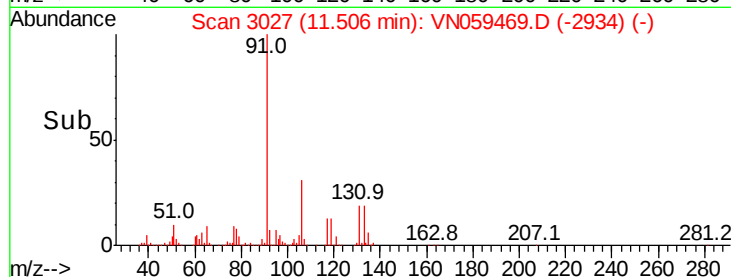
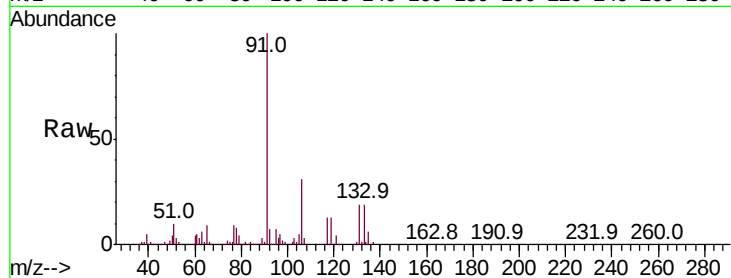
ClientSampled :

Tot Ion: 91 Resp: 1011997

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 112.114 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059469.D

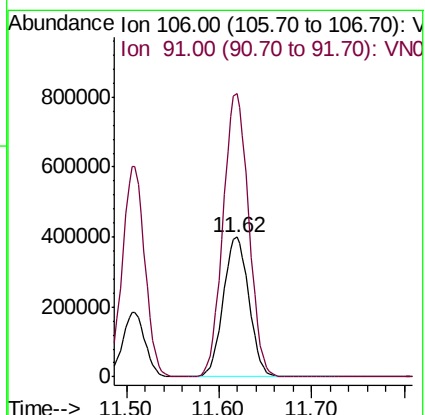
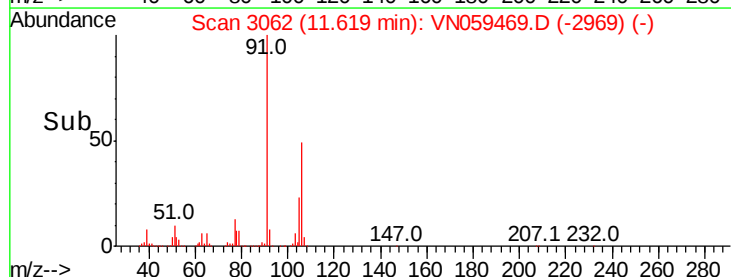
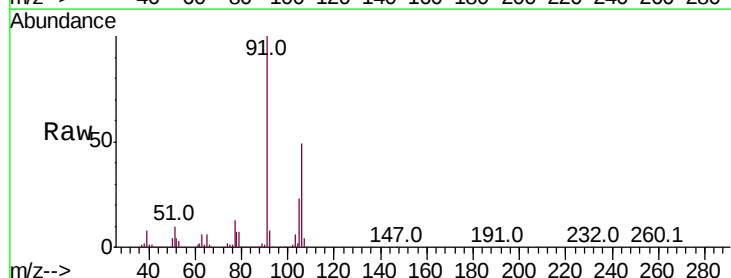
Acq: 3 Dec 2019 14:25

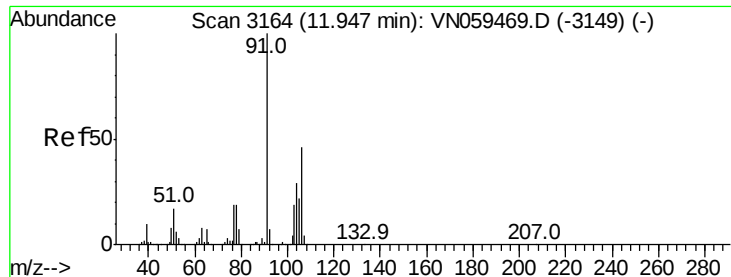
Tgt Ion: 106 Resp: 765162

Ion Ratio Lower Upper

106 100

91 202.8 162.2 243.4

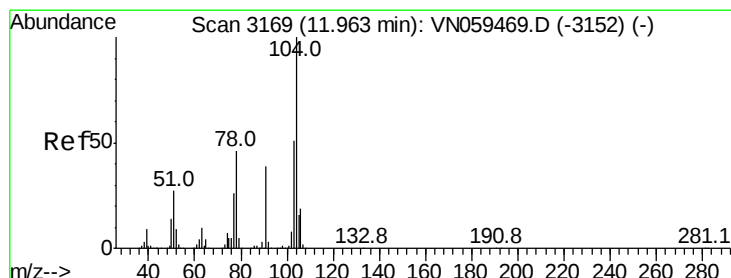
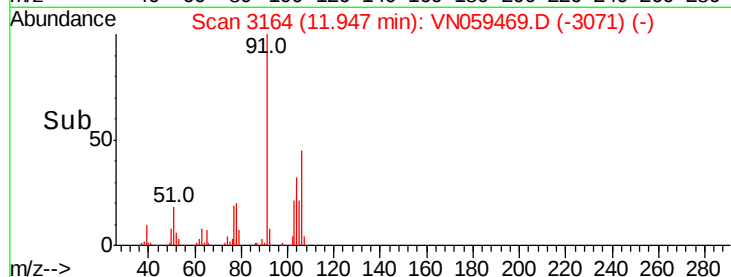
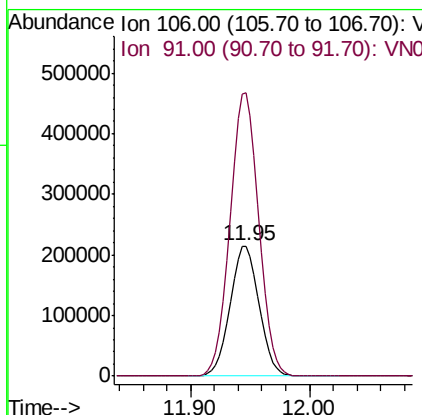
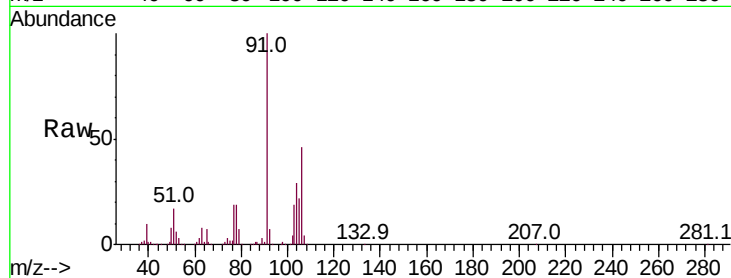




#69
o-Xylene
Concen: 55.231 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

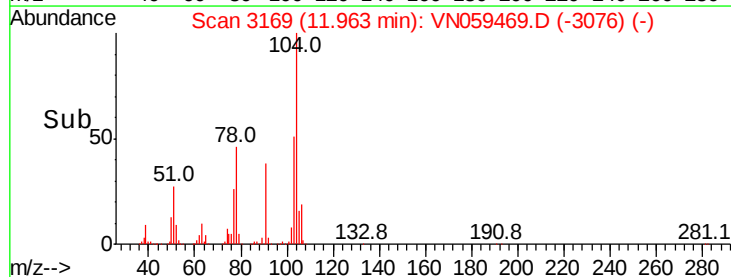
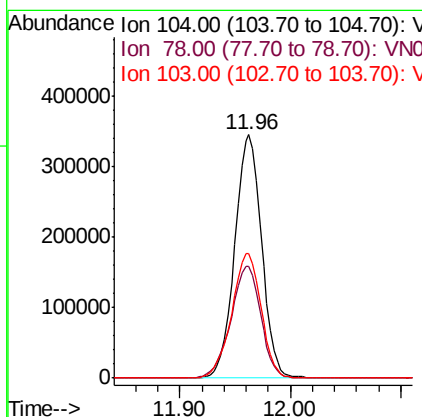
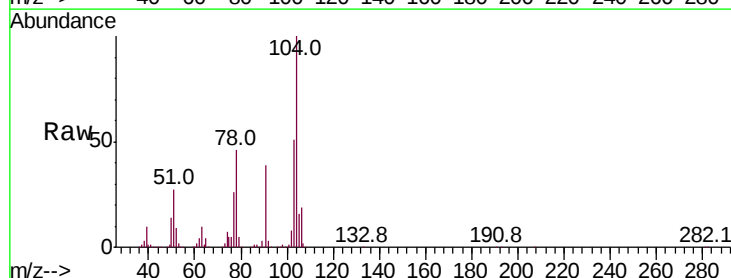
Instrument :
MSVOA_N
ClientSampled :

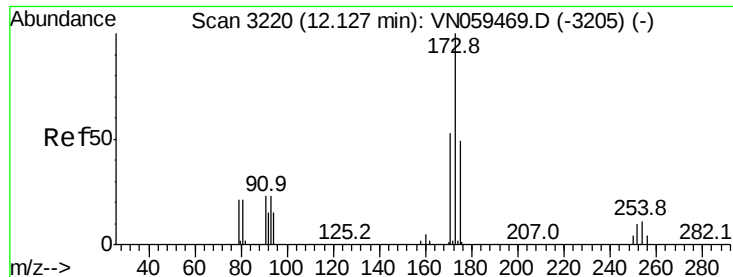
Tot Ion:106 Resp: 360010
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.3



#70
Styrene
Concen: 57.148 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion:104 Resp: 584157
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.9 44.7 67.1





#71

Bromoform

Concen: 56.557 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

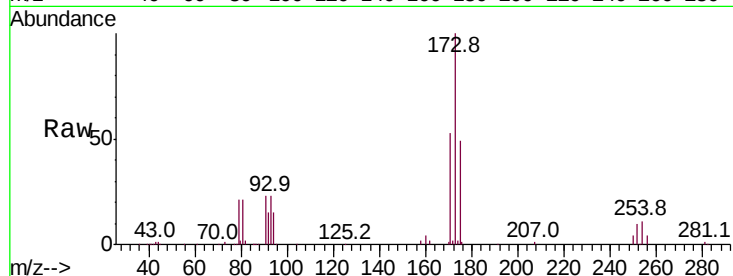
Tot Ion:173 Resp: 162717

Ion Ratio Lower Upper

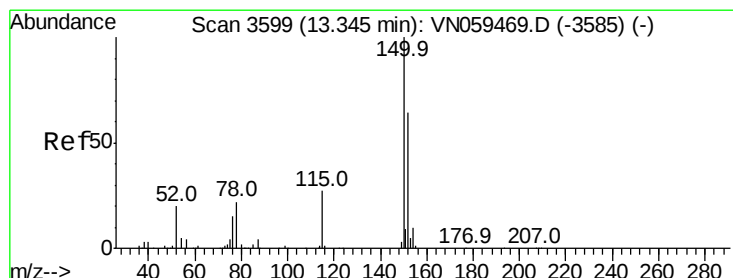
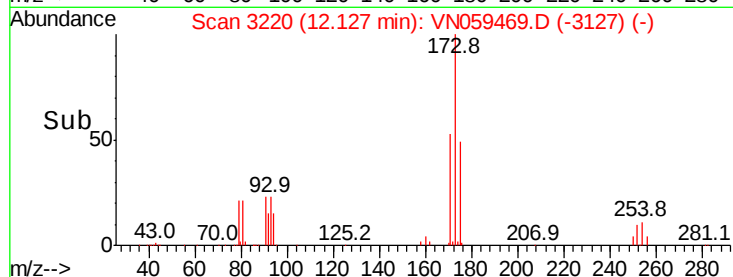
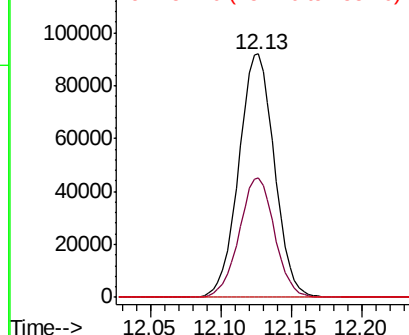
173 100

175 48.7 24.3 73.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

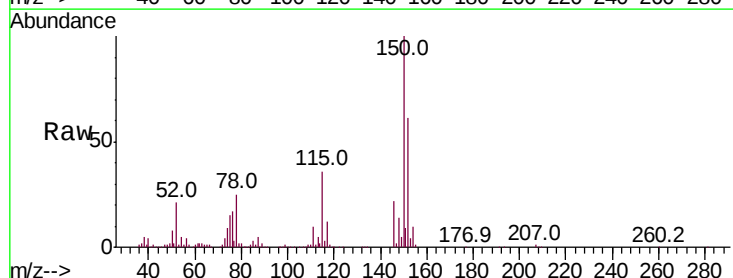
Tgt Ion:152 Resp: 241961

Ion Ratio Lower Upper

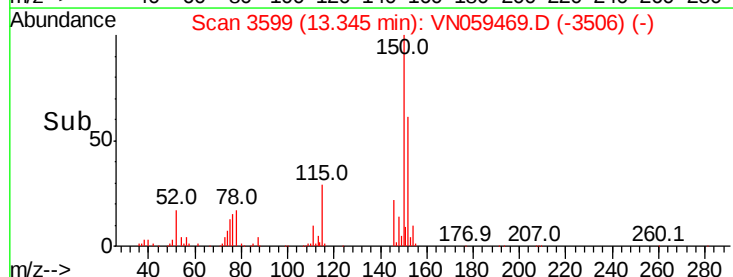
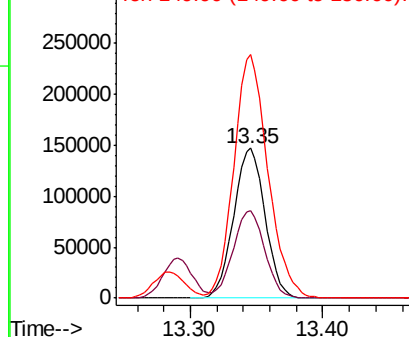
152 100

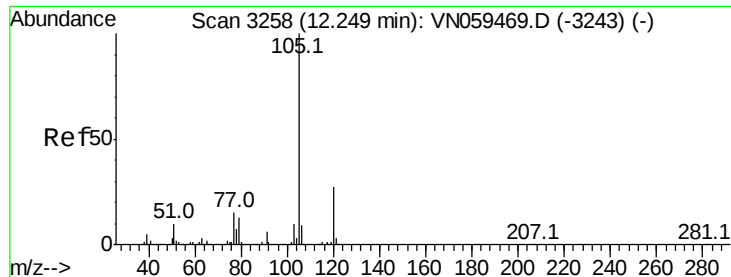
115 58.4 29.2 87.6

150 176.4 0.0 352.8



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





#73

Isopropylbenzene

Concen: 53.674 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

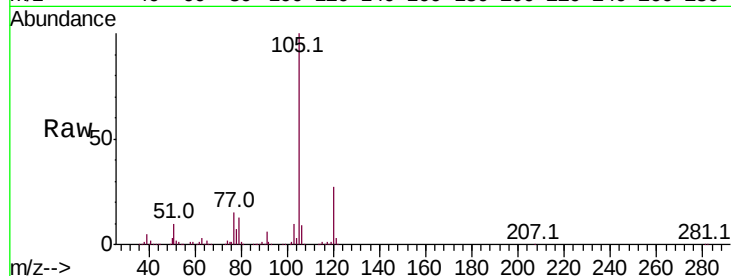
ClientSampled :

Tot Ion:105 Resp: 974099

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

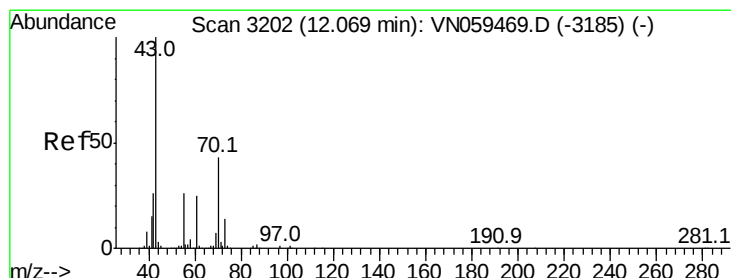
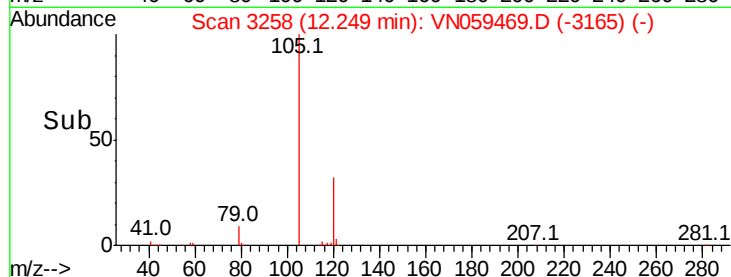
200000

0

12.25

12.20 12.30

Time-->



#74

N-ethyl acetate

Concen: 59.096 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Tgt Ion: 43 Resp: 409563

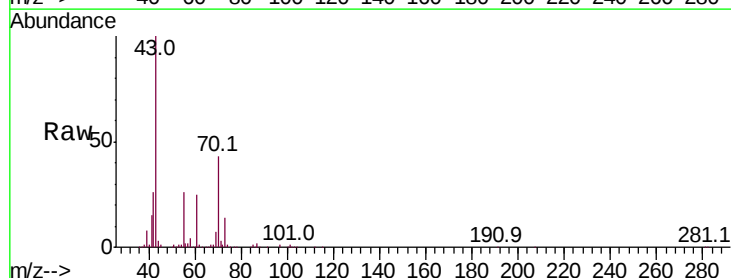
Ion Ratio Lower Upper

43 100

70 42.7 34.2 51.2

55 25.8 20.6 31.0

61 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

400000

300000

200000

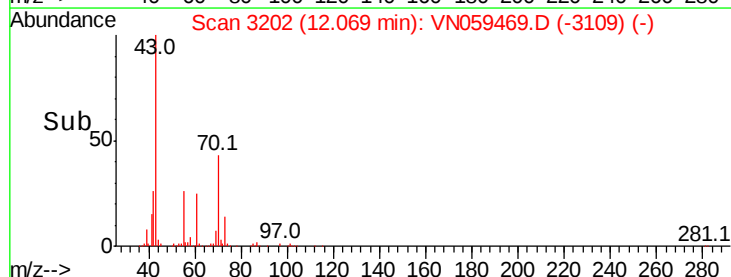
100000

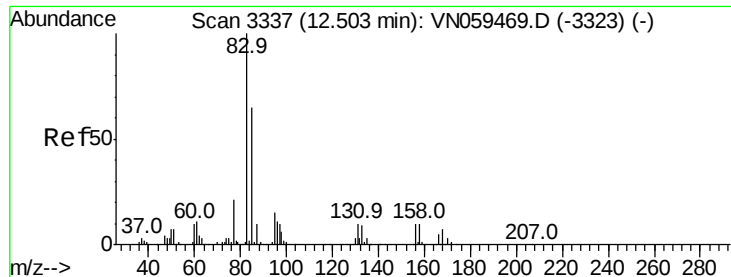
0

12.07

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.447 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

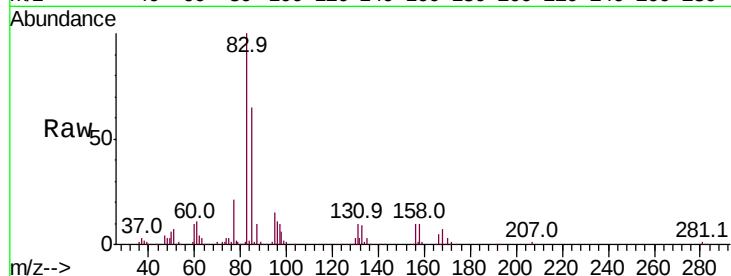
Tot Ion: 83 Resp: 312397

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.4	32.2	96.6

83 100

131 9.8 4.9 14.7

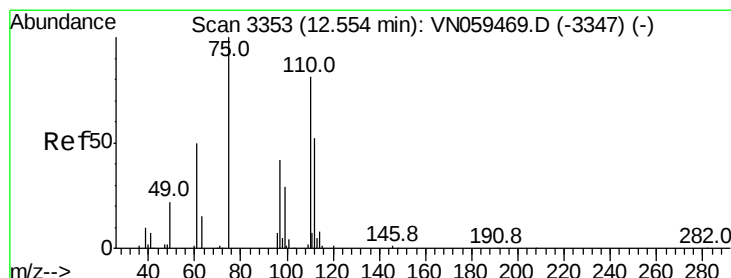
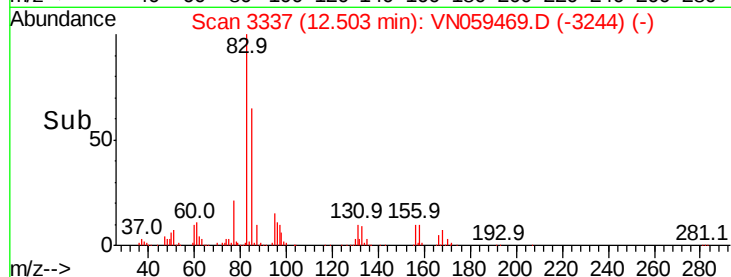
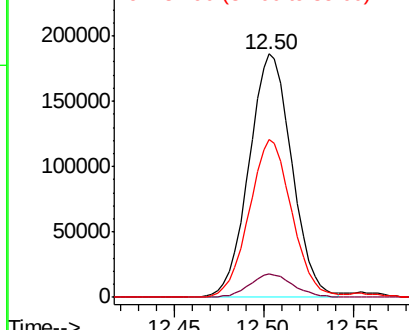
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

250000 Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 75.207 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059469.D

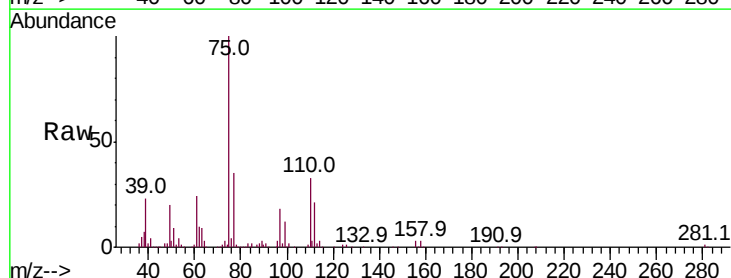
Acq: 3 Dec 2019 14:25

Tgt Ion: 75 Resp: 422885

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

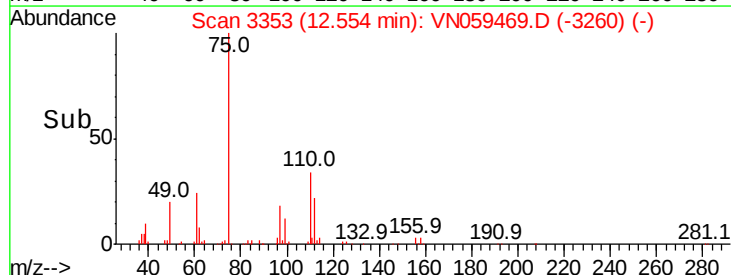
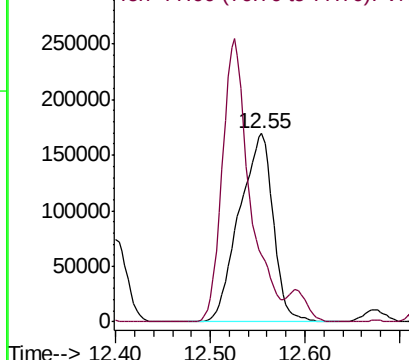
75 100

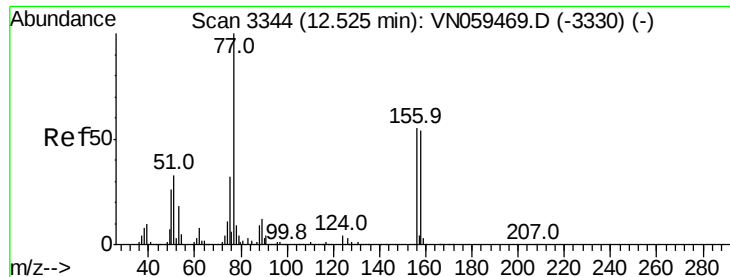
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

300000 Ion 77.00 (76.70 to 77.70): VN0

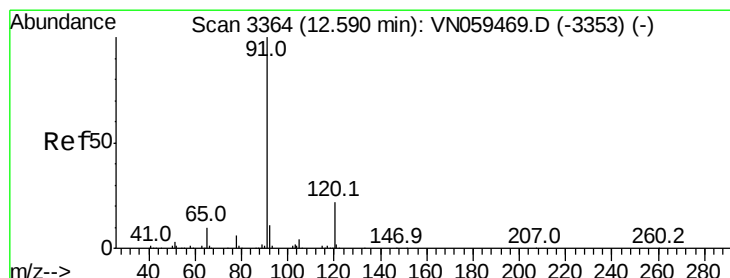
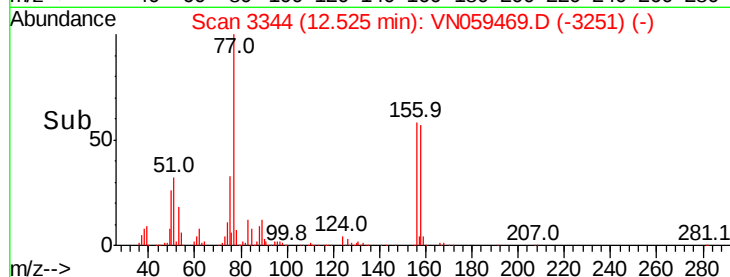
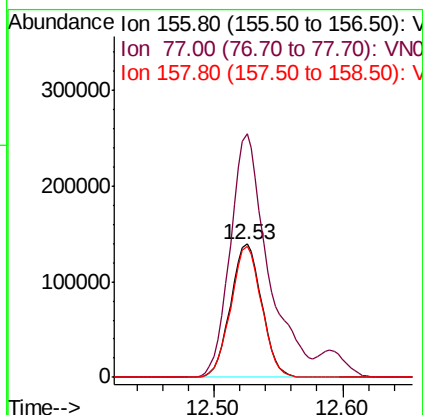
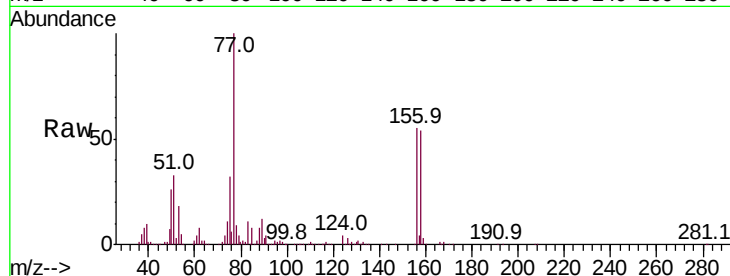




#77
Bromobenzene
Concen: 52.759 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

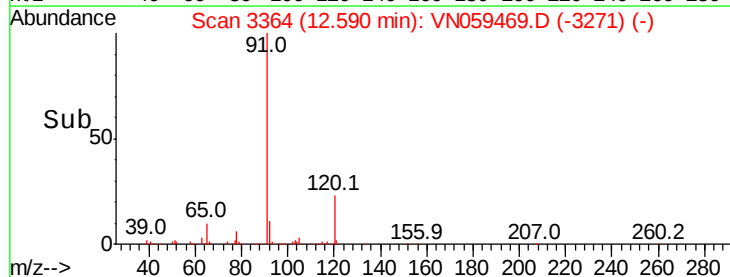
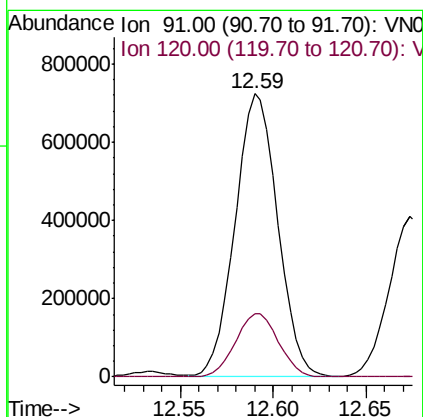
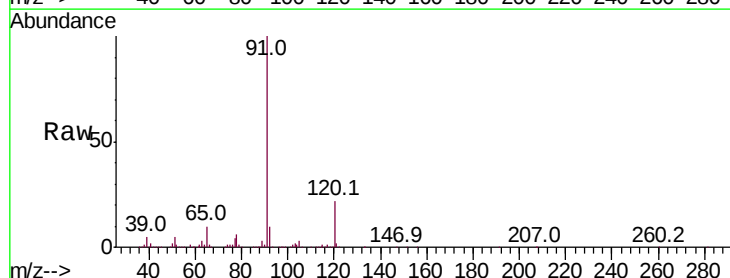
Instrument :
MSVOA_N
ClientSampleId :

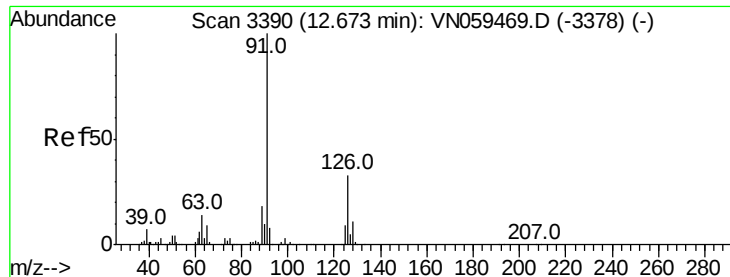
Tot Ion:156 Resp: 234328
Ion Ratio Lower Upper
156 100
77 220.7 110.3 331.0
158 97.0 48.5 145.5



#78
n-propylbenzene
Concen: 55.063 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion: 91 Resp: 1154426
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 53.558 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

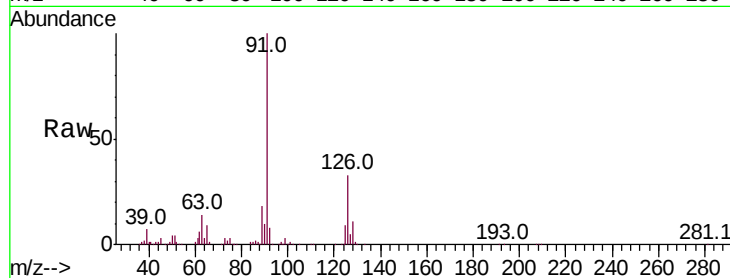
ClientSampleId :

Tot Ion: 91 Resp: 670683

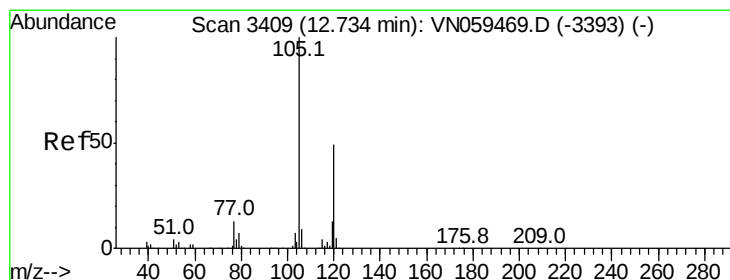
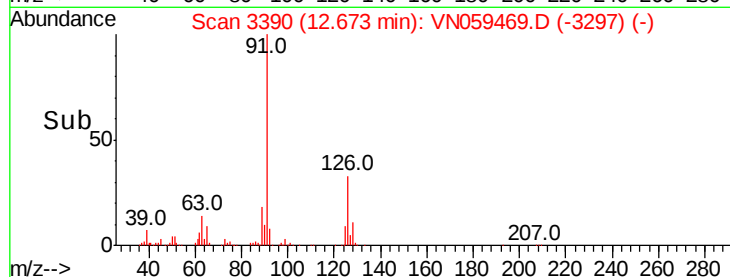
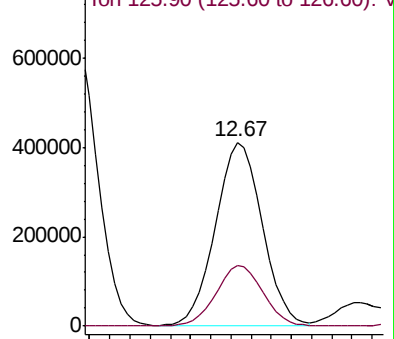
Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.108 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059469.D

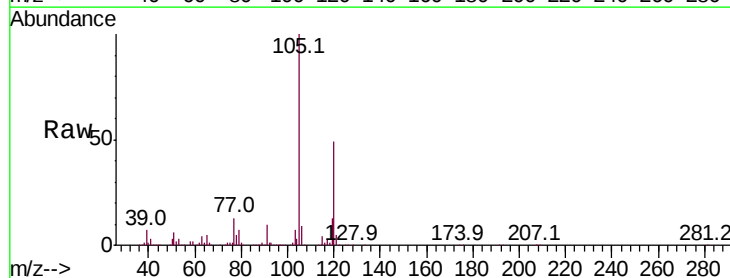
Acq: 3 Dec 2019 14:25

Tgt Ion: 105 Resp: 825505

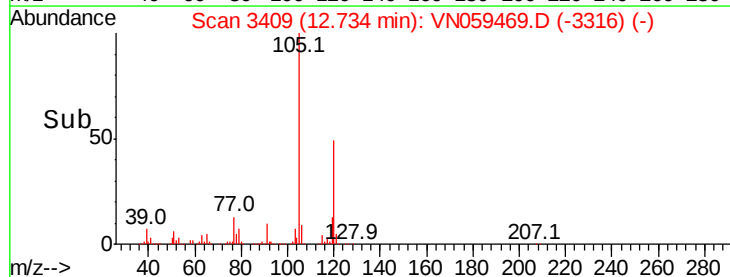
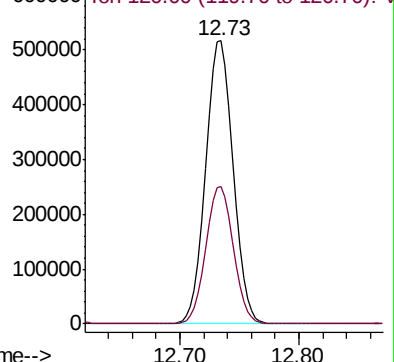
Ion Ratio Lower Upper

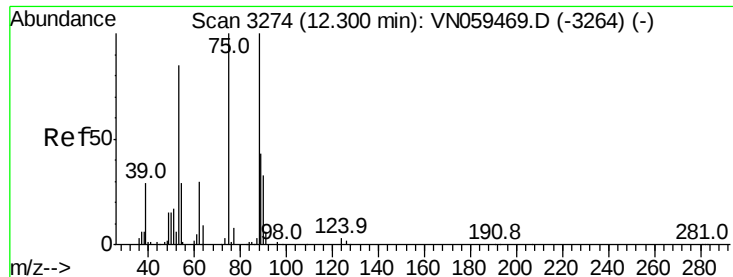
105 100

120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059469.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.349 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

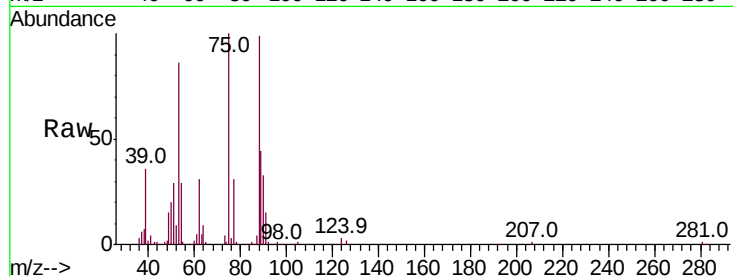
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 116211

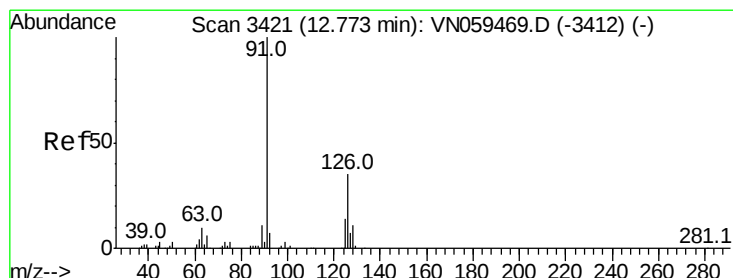
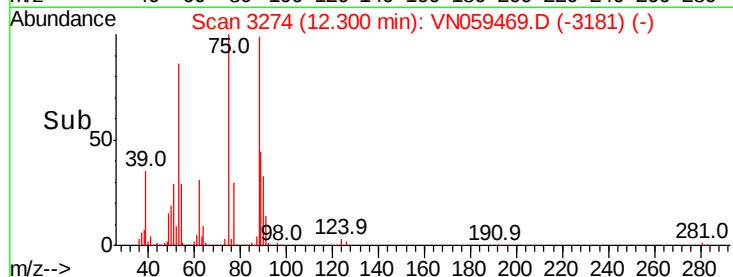
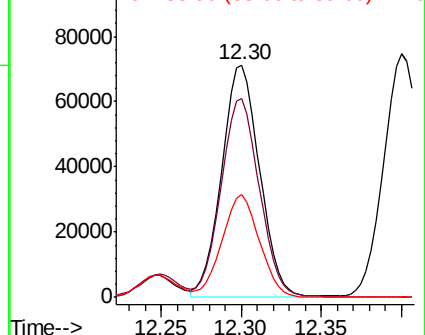
Ion	Ratio	Lower	Upper
75	100		
53	87.2	69.8	104.6
89	44.0	35.2	52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.805 ug/l

RT: 12.77 min Scan# 3421

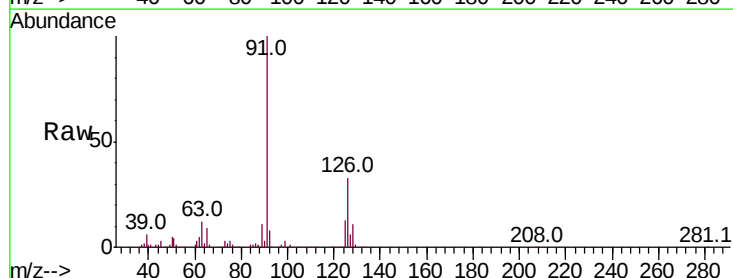
Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

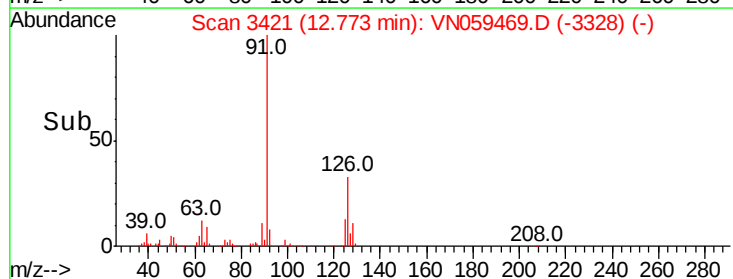
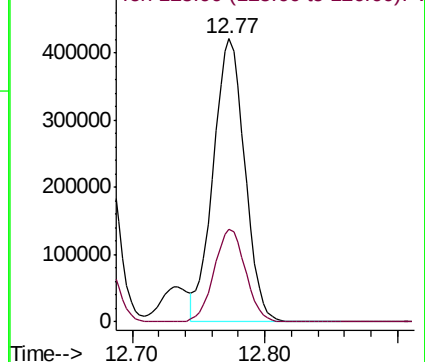
Tgt Ion: 91 Resp: 694058

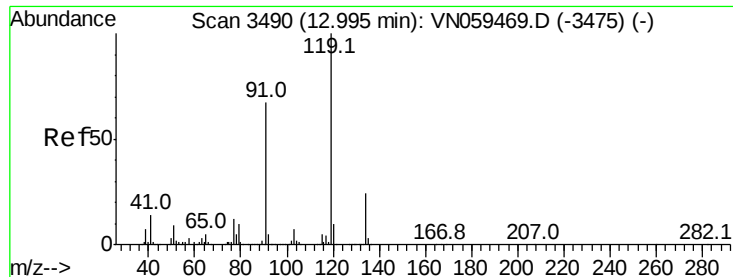
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

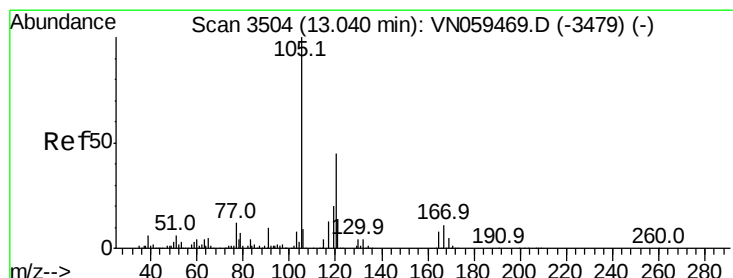
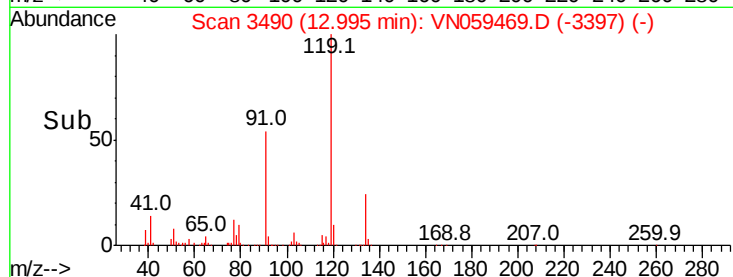
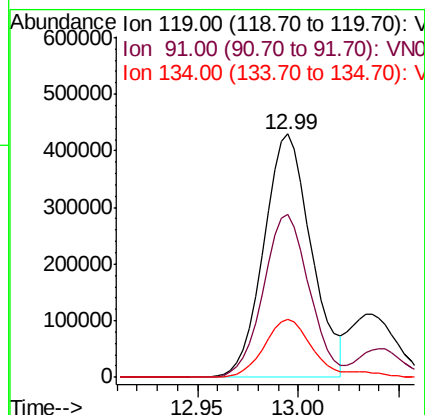
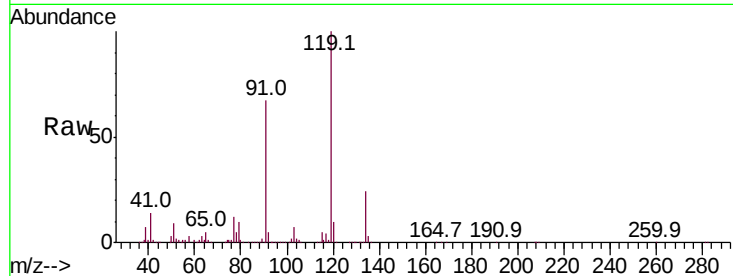




#83
tert-Butylbenzene
Concen: 53.549 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

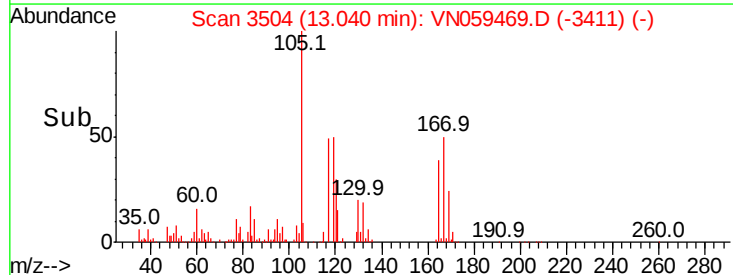
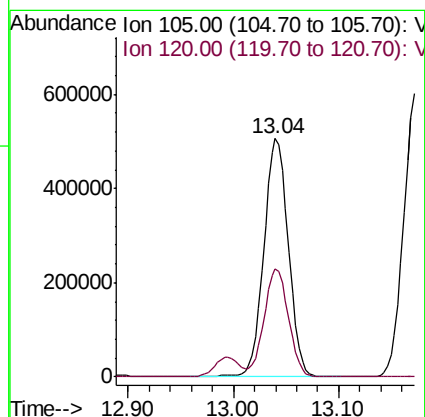
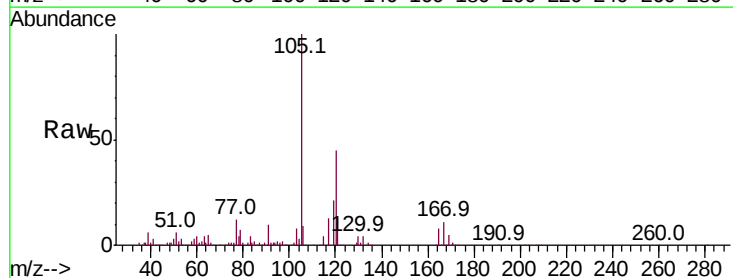
Instrument :
MSVOA_N
ClientSampled :

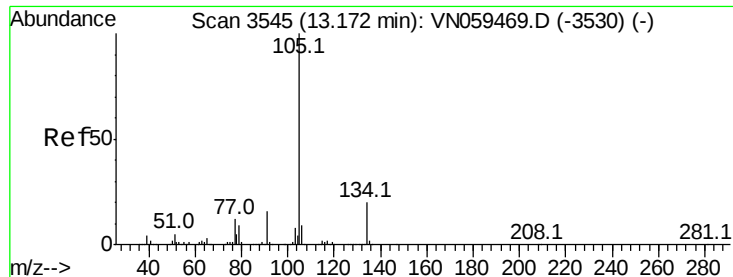
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	97.7
134	25.1	12.6	37.6



#84
1,2,4-Trimethylbenzene
Concen: 54.872 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 54.751 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

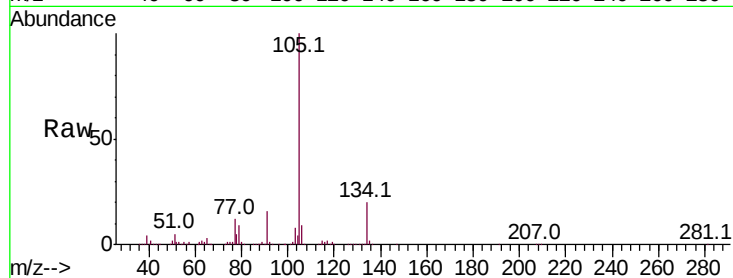
ClientSampled :

Tot Ion:105 Resp: 954006

Ion Ratio Lower Upper

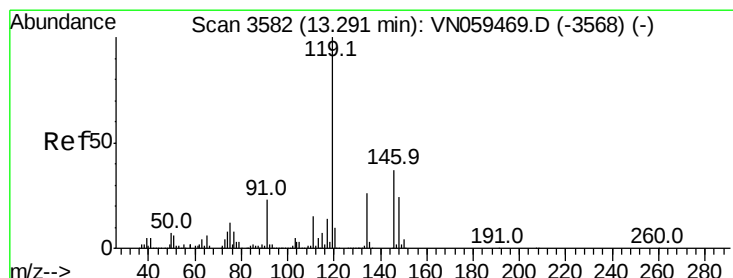
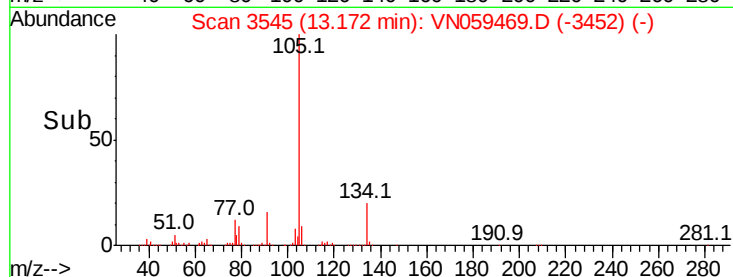
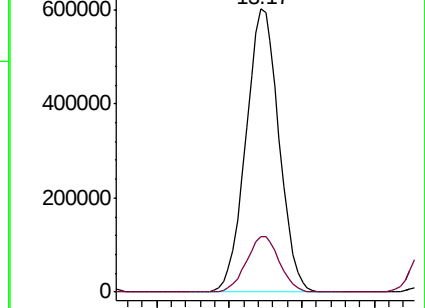
105 100

134 19.7 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: 54.548 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

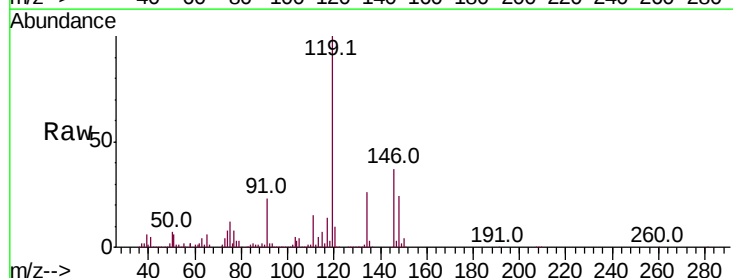
Tgt Ion:119 Resp: 858509

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

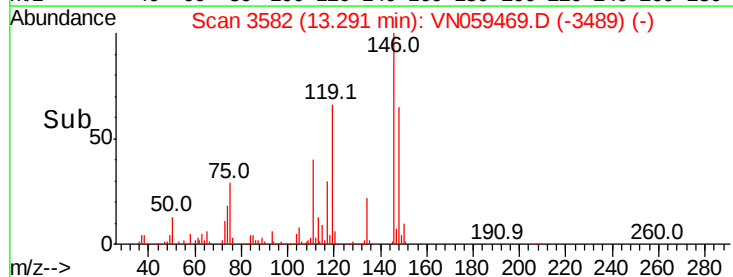
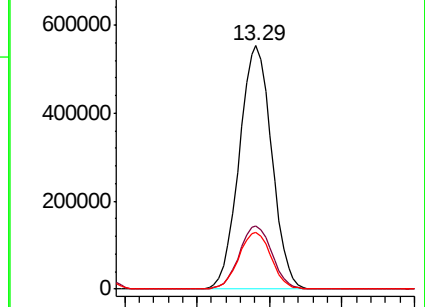
91 23.4 11.7 35.1

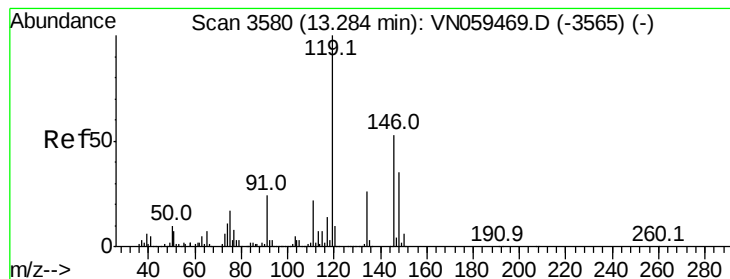


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.860 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

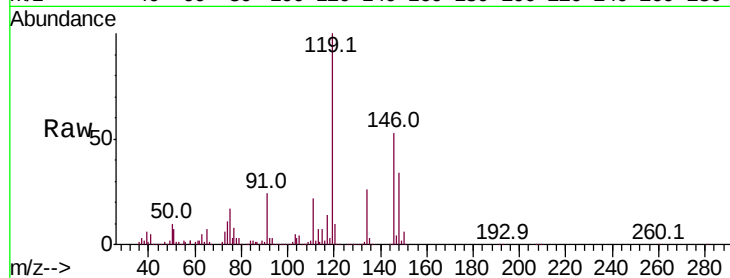
Tot Ion:146 Resp: 415844

Ion Ratio Lower Upper

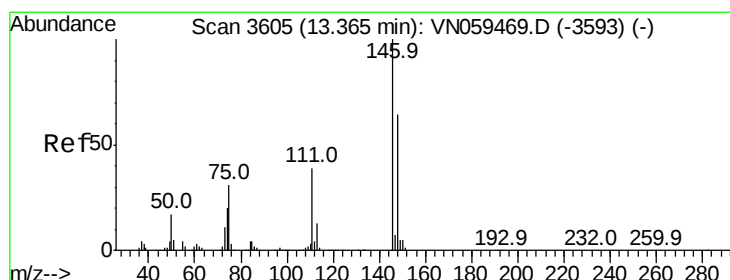
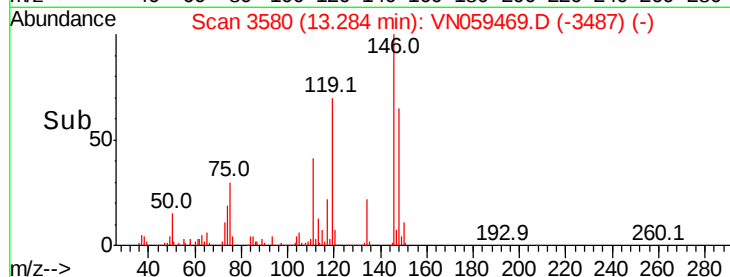
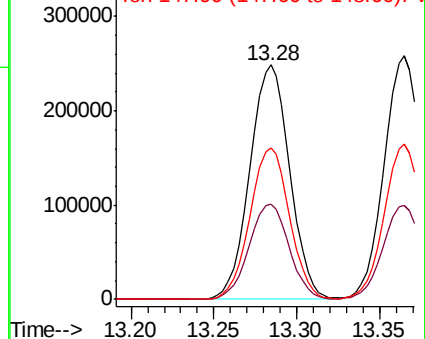
146 100

111 40.9 20.4 61.3

148 64.3 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 52.523 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

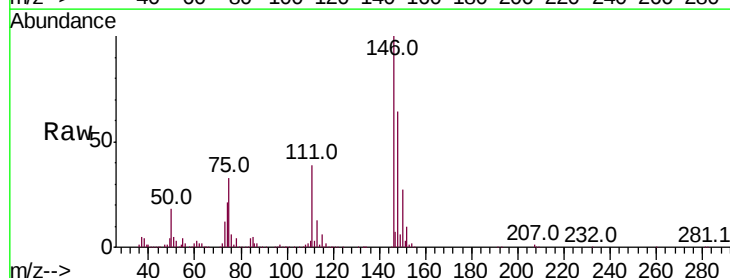
Tgt Ion:146 Resp: 415394

Ion Ratio Lower Upper

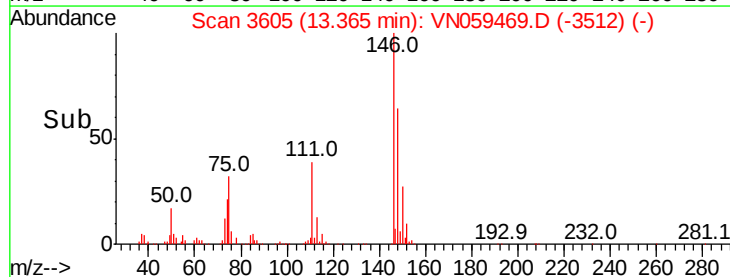
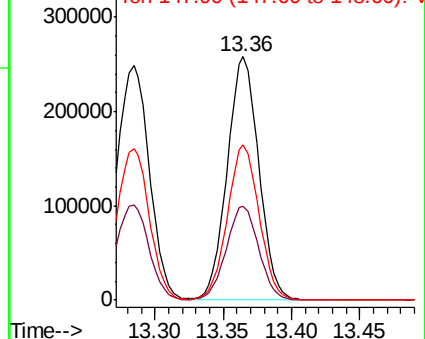
146 100

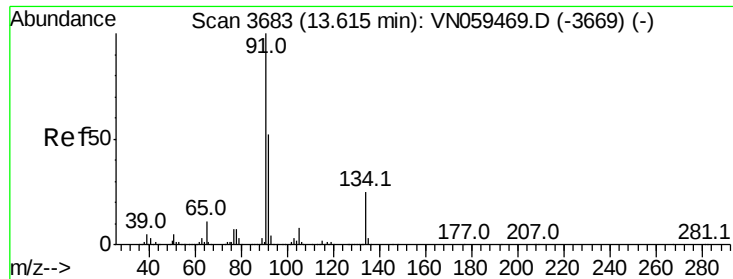
111 39.5 19.8 59.3

148 64.0 32.0 96.0



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

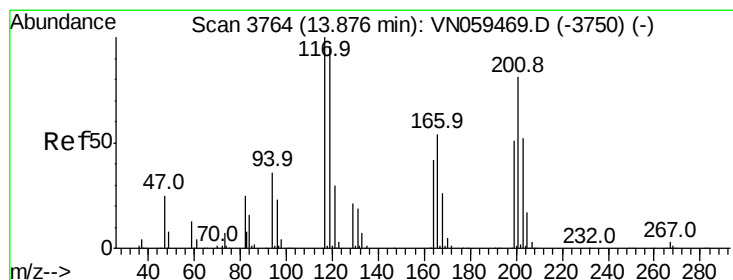
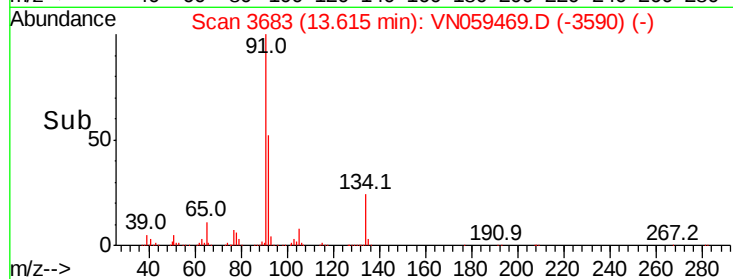
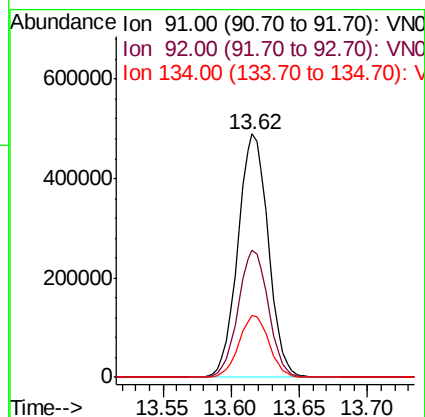
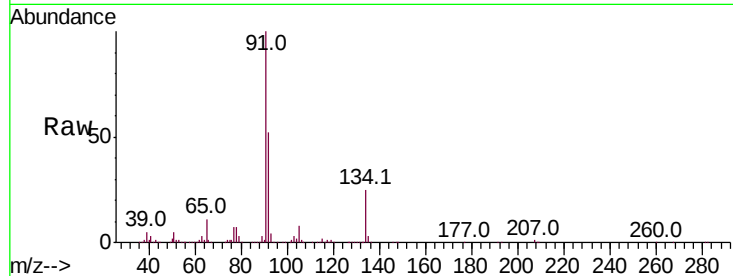




#89
n-Butylbenzene
Concen: 55.036 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

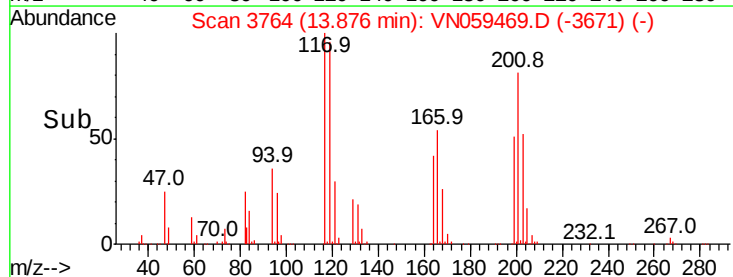
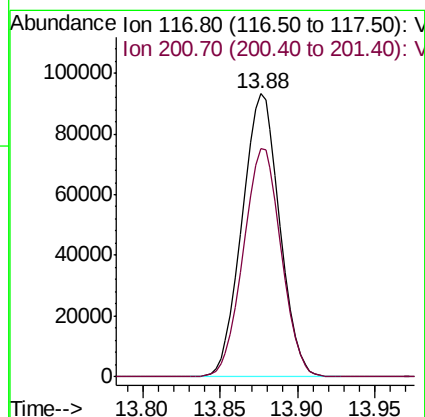
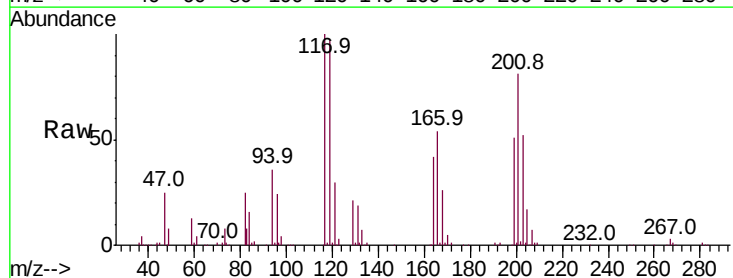
Instrument :
MSVOA_N
ClientSampled :

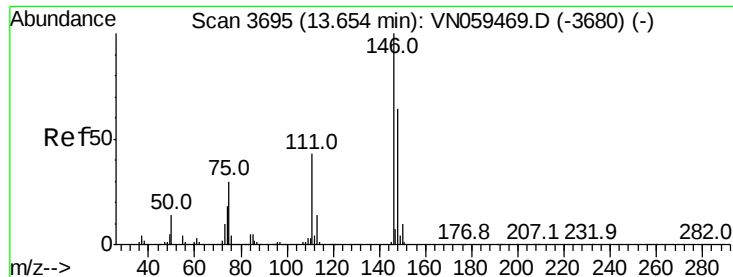
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	25.1	12.6	37.6



#90
Hexachloroethane
Concen: 52.280 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059469.D
Acq: 3 Dec 2019 14:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 52.392 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

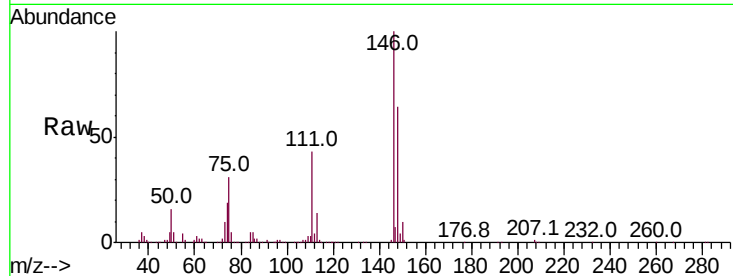
Tot Ion:146 Resp: 403881

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

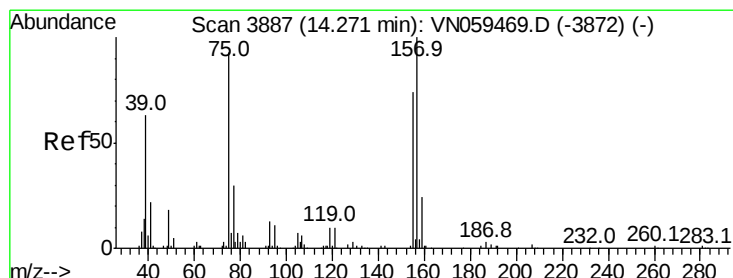
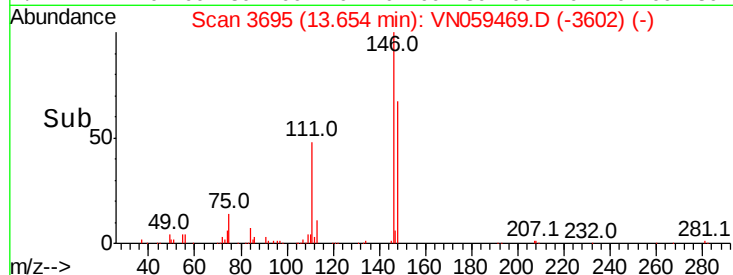
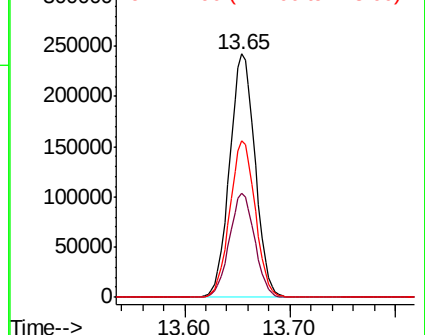
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.949 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

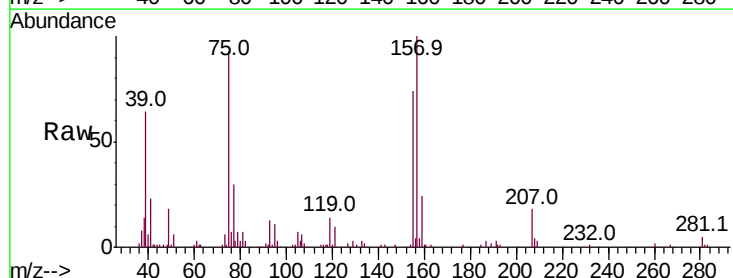
Tgt Ion: 75 Resp: 62163

Ion Ratio Lower Upper

75 100

155 81.3 40.6 122.0

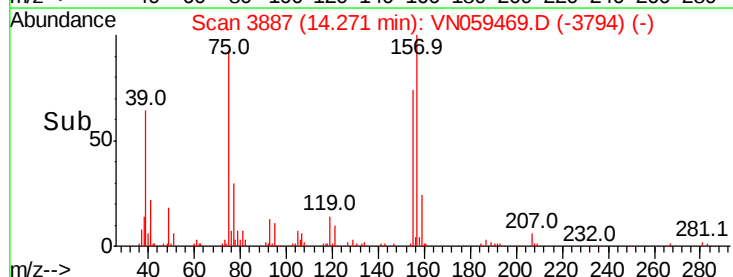
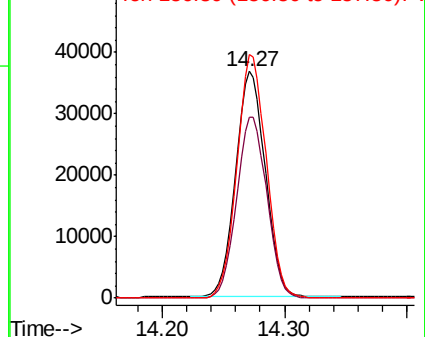
157 105.8 52.9 158.7

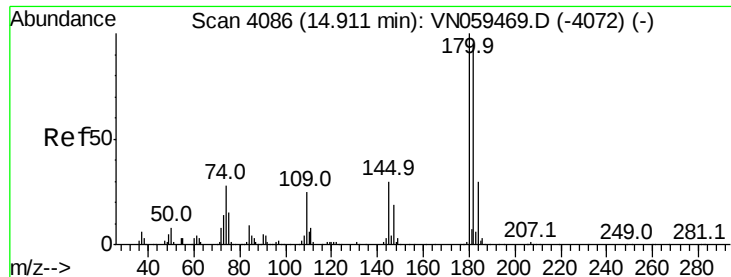


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

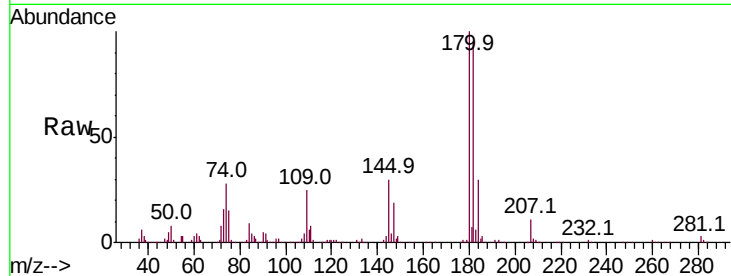




#93
 1,2,4-Trichlorobenzene
 Concen: 48.433 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	30.4	15.2	45.6

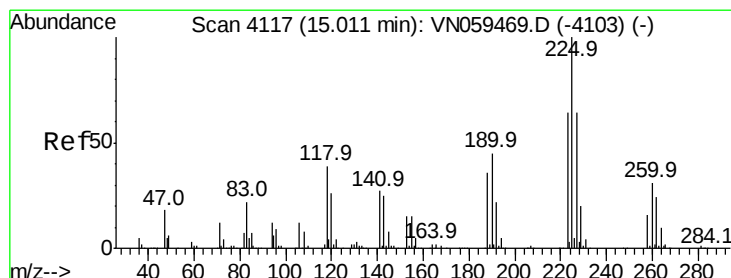
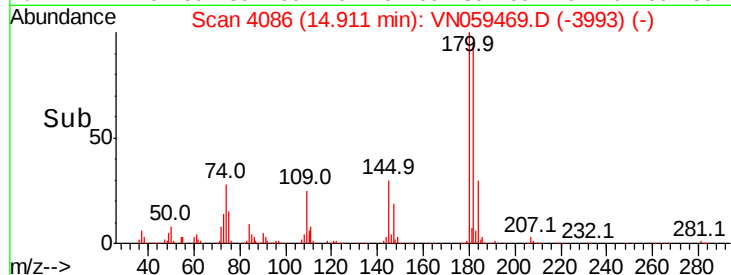
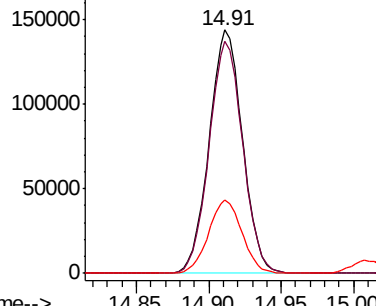


Abundance

Ion 179.80 (179.50 to 180.50): V

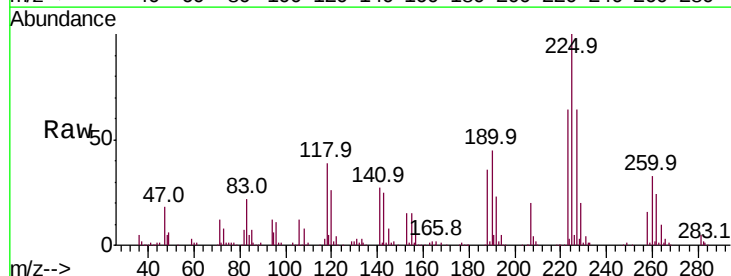
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.937 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059469.D
 Acq: 3 Dec 2019 14:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.1	32.0	96.2

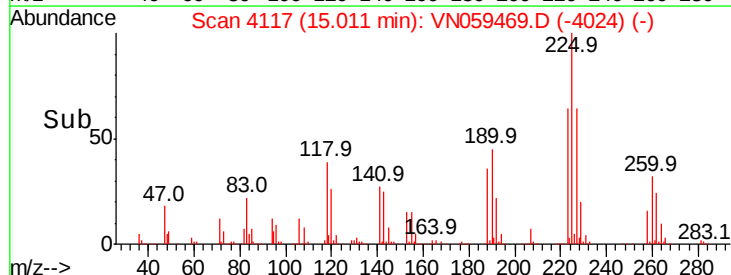
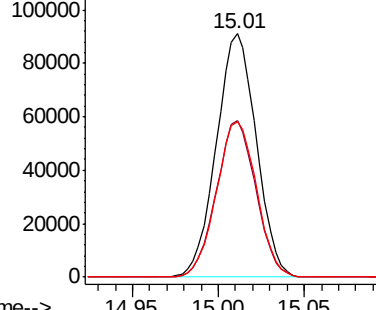


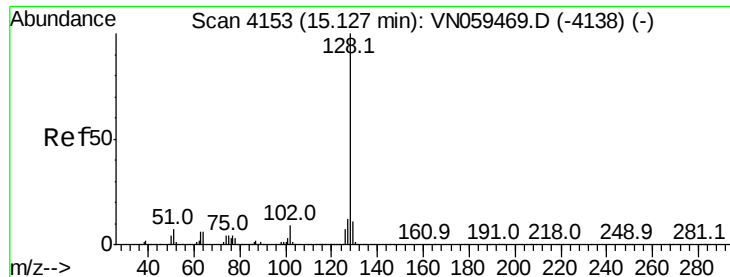
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.842 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

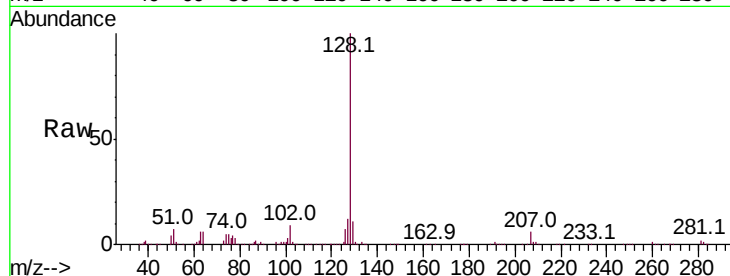
Tot Ion:128 Resp: 606387

Ion Ratio Lower Upper

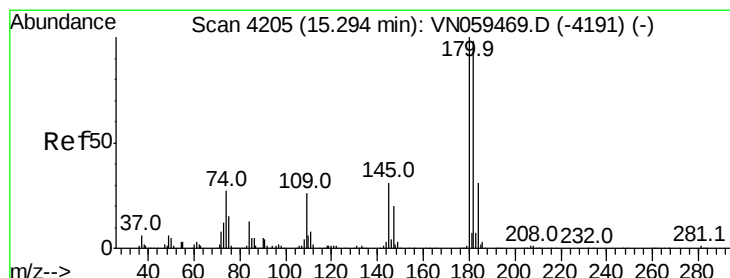
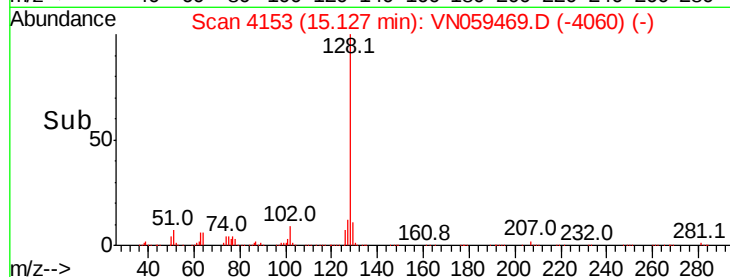
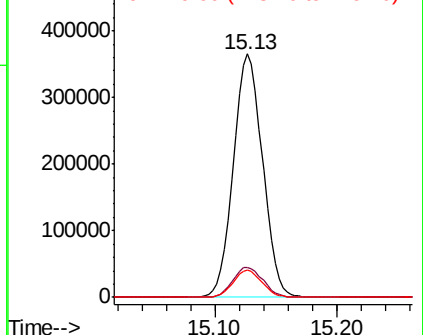
128 100

127 12.8 10.2 15.4

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.420 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059469.D

Acq: 3 Dec 2019 14:25

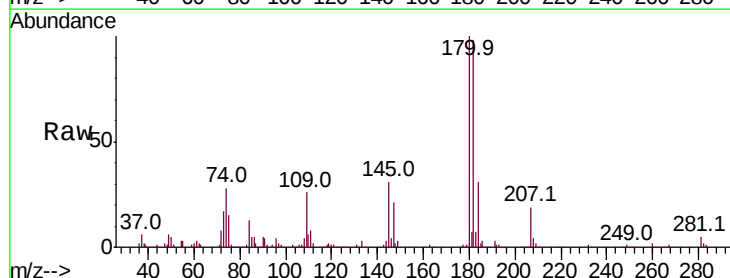
Tgt Ion:180 Resp: 224323

Ion Ratio Lower Upper

180 100

182 97.0 48.5 145.5

145 32.1 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

