

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053482.D
 Acq On : 18 Jan 2019 19:44
 Operator : JC/SP
 Sample : K1199-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Quant Time: Jan 19 00:24:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	718296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1101826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1006377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	502164	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	384372	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	7.59	113	336798	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
50) Toluene-d8	10.09	98	1348672	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	479536	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	285388	49.417	ug/l 99
3) Chloromethane	2.06	50	399136	48.339	ug/l 100
4) Vinyl Chloride	2.19	62	384929	48.362	ug/l 99
5) Bromomethane	2.57	94	274569	50.276	ug/l 97
6) Chloroethane	2.71	64	235510	48.941	ug/l 97
7) Trichlorofluoromethane	3.02	101	535192	51.407	ug/l 100
8) Diethyl Ether	3.41	74	215877	55.210	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333383	50.564	ug/l 99
10) Methyl Iodide	3.96	142	522437	51.852	ug/l 100
11) Tert butyl alcohol	4.78	59	148545	427.590	ug/l 100
12) 1,1-Dichloroethene	3.74	96	330061	51.611	ug/l 99
13) Acrolein	3.61	56	160060	237.378	ug/l 98
14) Allyl chloride	4.33	41	512380	49.326	ug/l 96
15) Acrylonitrile	4.99	53	706320	308.939	ug/l 100
16) Acetone	3.82	43	473788	284.436	ug/l 100
17) Carbon Disulfide	4.06	76	946528	48.944	ug/l 100
18) Methyl Acetate	4.33	43	329742	58.756	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	979674	57.655	ug/l 99
20) Methylene Chloride	4.55	84	386673	50.846	ug/l 99
21) trans-1,2-Dichloroethene	5.05	96	360233	52.688	ug/l 94
22) Diisopropyl ether	5.95	45	1162190	53.593	ug/l 99
23) Vinyl Acetate	5.90	43	3738783	280.474	ug/l 99
24) 1,1-Dichloroethane	5.85	63	668996	52.186	ug/l 99
25) 2-Butanone	6.83	43	800334	311.793	ug/l 100
26) 2,2-Dichloropropane	6.83	77	459329	47.456	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	417717	53.428	ug/l 98
28) Bromochloromethane	7.20	49	303426	53.727	ug/l 99
29) Tetrahydrofuran	7.21	42	546938	327.303	ug/l 100
30) Chloroform	7.37	83	665461	53.279	ug/l 99
31) Cyclohexane	7.66	56	607048	48.652	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	556568	52.530	ug/l 100
36) 1,1-Dichloropropene	7.80	75	508940	50.719	ug/l 99
37) Ethyl Acetate	6.93	43	339512	58.809	ug/l 100
38) Carbon Tetrachloride	7.78	117	482977	50.840	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053482.D
 Acq On : 18 Jan 2019 19:44
 Operator : JC/SP
 Sample : K1199-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Quant Time: Jan 19 00:24:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	605794	48.845	ug/l	100
40) Benzene	8.04	78	1556837	51.056	ug/l	100
41) Methacrylonitrile	7.21	41	502034	145.061	ug/l #	20
42) 1,2-Dichloroethane	8.13	62	470435	52.956	ug/l	99
43) Isopropyl Acetate	8.17	43	609384	58.703	ug/l	100
44) Trichloroethene	8.84	130	428768	50.705	ug/l	99
45) 1,2-Dichloropropane	9.12	63	415796	51.481	ug/l	99
46) Dibromomethane	9.21	93	247711	53.382	ug/l	99
47) Bromodichloromethane	9.40	83	514831	52.757	ug/l	100
48) Methyl methacrylate	9.20	41	314163	58.614	ug/l	98
49) 1,4-Dioxane	9.20	88	91875	1755.169	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1790984	316.049	ug/l	100
52) Toluene	10.16	92	967582	51.112	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530703	53.654	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	603109	52.014	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	360345	55.212	ug/l	100
56) Ethyl methacrylate	10.43	69	497966	53.607	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616286	54.585	ug/l	100
59) 2-Hexanone	10.75	43	1247705	313.649	ug/l	100
60) Dibromochloromethane	10.90	129	406609	54.928	ug/l	100
61) 1,2-Dibromoethane	11.01	107	369311	55.950	ug/l	100
64) Tetrachloroethene	10.63	164	450923	47.546	ug/l	99
65) Chlorobenzene	11.44	112	1081950	50.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	388567	52.434	ug/l	99
67) Ethyl Benzene	11.51	91	1867331	51.437	ug/l	100
68) m/p-Xylenes	11.62	106	1429206	104.272	ug/l	100
69) o-Xylene	11.95	106	698985	52.482	ug/l	99
70) Stvrene	11.96	104	1157464	53.548	ug/l	100
71) Bromoform	12.13	173	295346	57.891	ug/l	99
73) Isopropylbenzene	12.25	105	1847619	50.243	ug/l	100
74) N-amyl acetate	12.07	43	560962	57.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	438461	56.851	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	595023	89.916	ug/l #	100
77) Bromobenzene	12.53	156	491527	50.725	ug/l	98
78) n-propylbenzene	12.59	91	2126726	50.382	ug/l	100
79) 2-Chlorotoluene	12.68	91	1253598	50.102	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1525662	50.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	135738	51.814	ug/l	99
82) 4-Chlorotoluene	12.77	91	1285695	50.388	ug/l	99
83) tert-Butylbenzene	12.99	119	1350175	51.092	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1567494	51.958	ug/l	100
85) sec-Butylbenzene	13.17	105	1833256	50.584	ug/l	100
86) p-Isopropyltoluene	13.29	119	1601922	50.906	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	873045	51.220	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	867467	50.736	ug/l	99
89) n-Butylbenzene	13.62	91	1350033	50.330	ug/l	100
90) Hexachloroethane	13.88	117	259944	52.670	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	852956	54.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69780	71.356	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	415717	59.525	ug/l	99

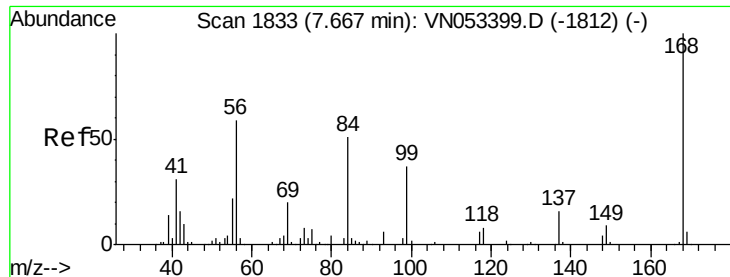
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053482.D
Acq On : 18 Jan 2019 19:44
Operator : JC/SP
Sample : K1199-11MSD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

Quant Time: Jan 19 00:24:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	257968	52.735	ug/l	99
95) Naphthalene	15.13	128	822032	66.320	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333574	64.646	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

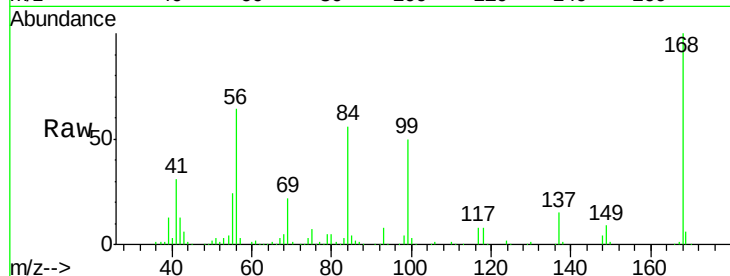
SA-TW521-2327MSD

Tot Ion:168 Resp: 718296

Ion Ratio Lower Upper

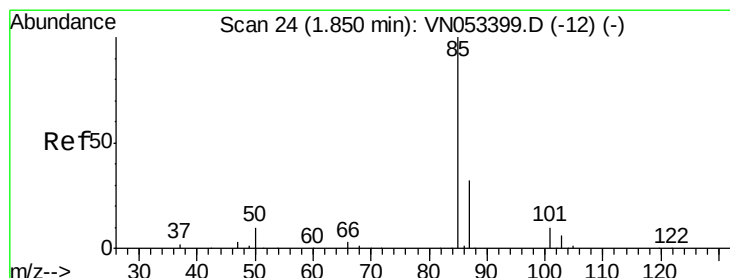
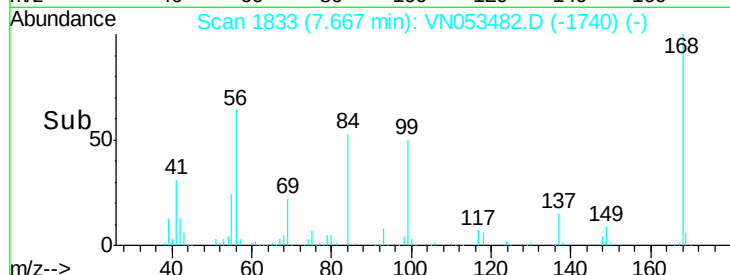
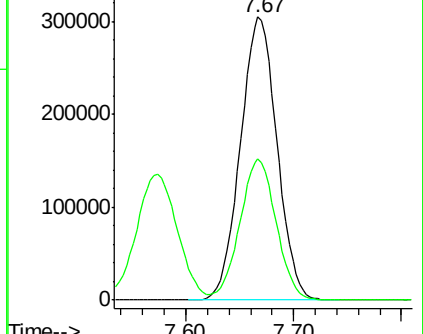
168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.417 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053482.D

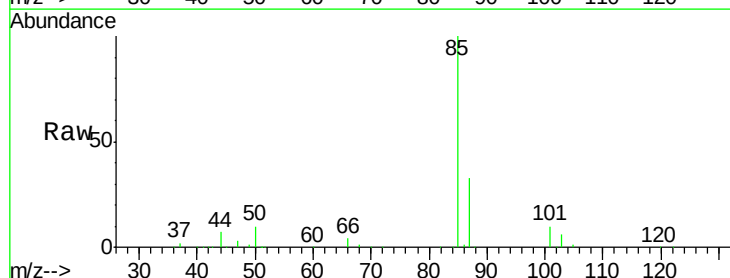
Acq: 18 Jan 2019 19:44

Tgt Ion: 85 Resp: 285388

Ion Ratio Lower Upper

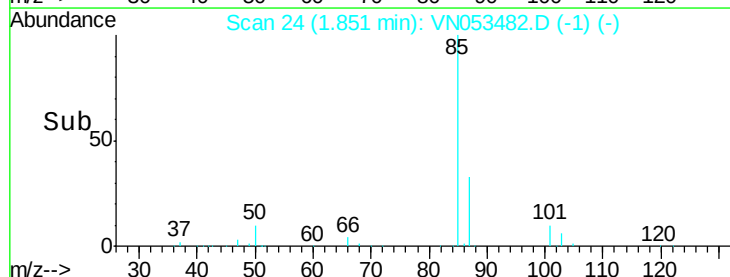
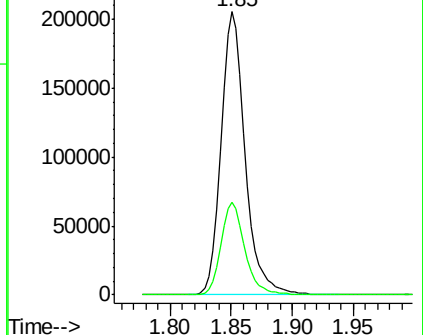
85 100

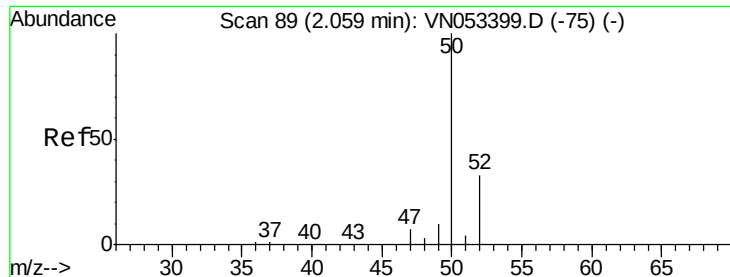
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.339 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

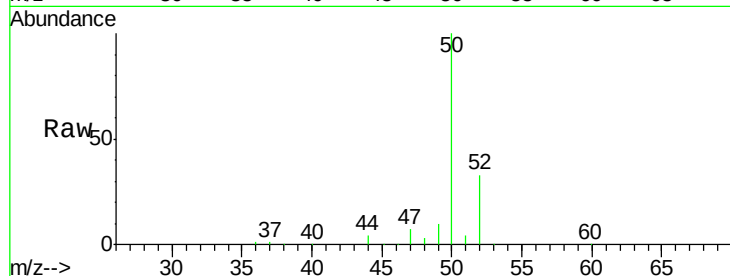
SA-TW521-2327MSD

Tot Ion: 50 Resp: 399136

Ion Ratio Lower Upper

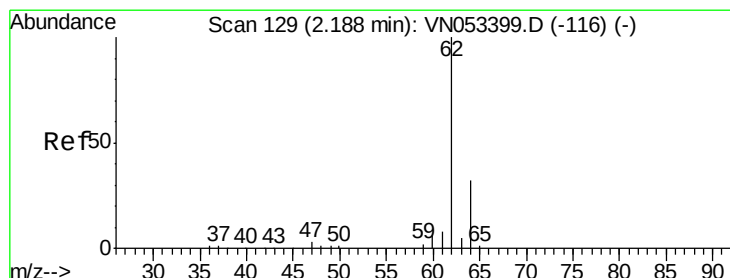
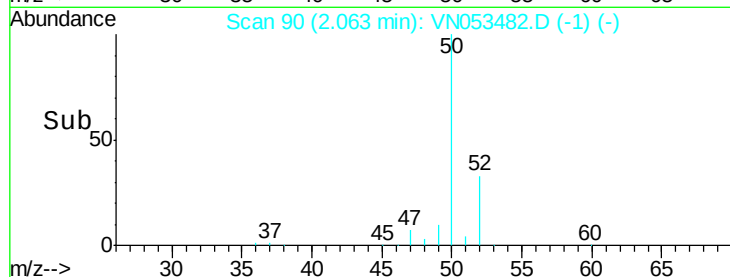
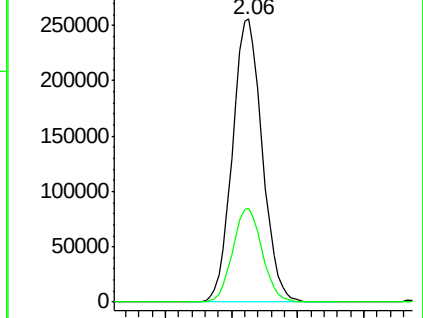
50 100

52 33.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.362 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053482.D

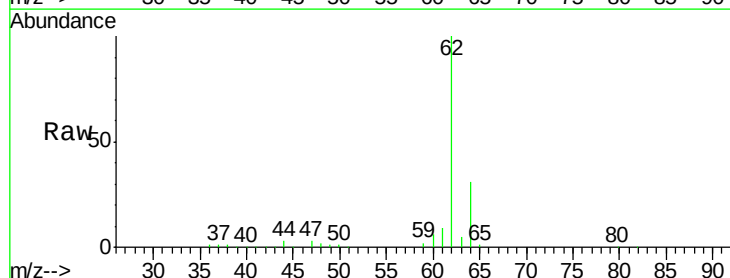
Acq: 18 Jan 2019 19:44

Tgt Ion: 62 Resp: 384929

Ion Ratio Lower Upper

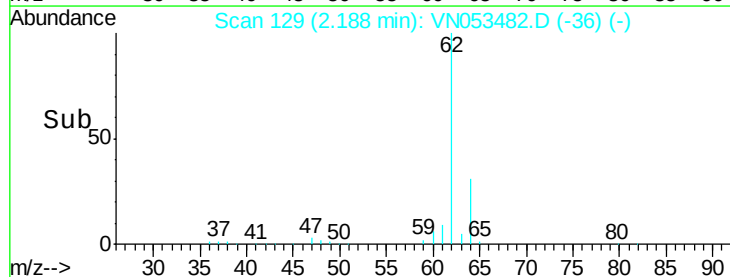
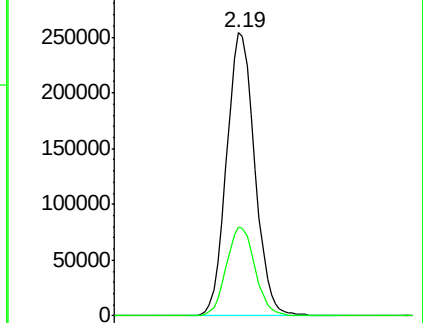
62 100

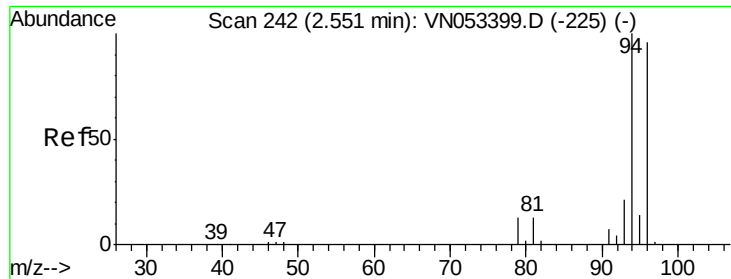
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

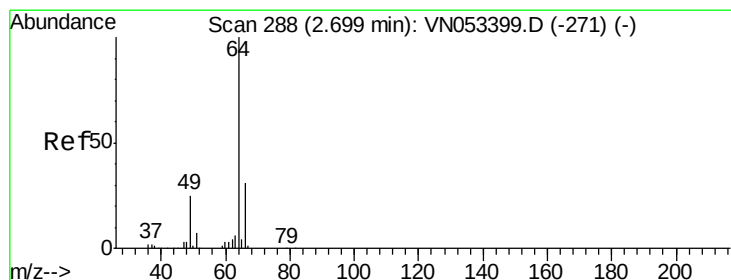
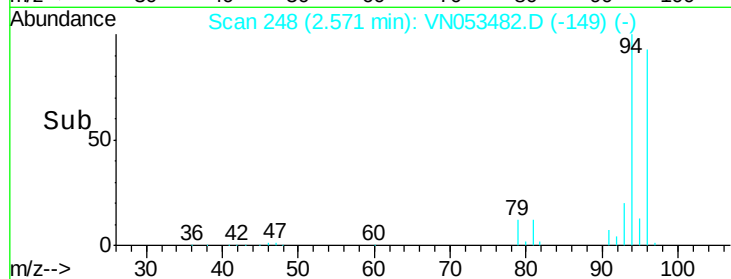
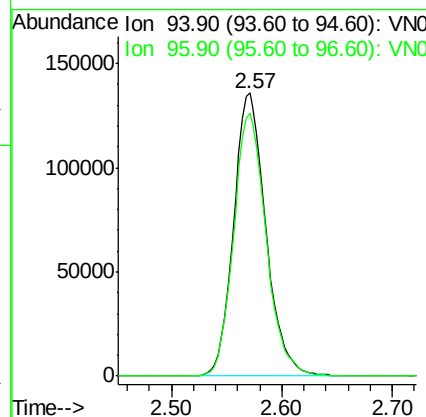
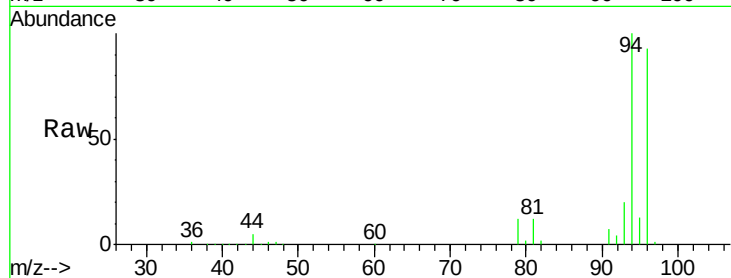




#5
Bromomethane
Concen: 50.276 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.02 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

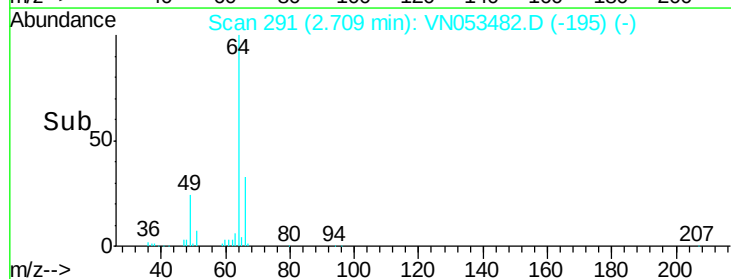
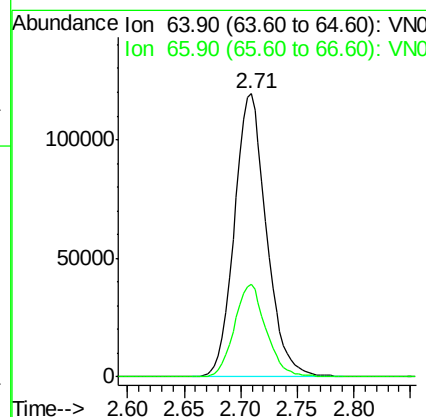
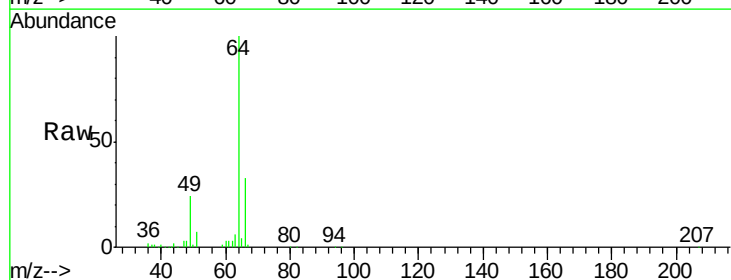
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

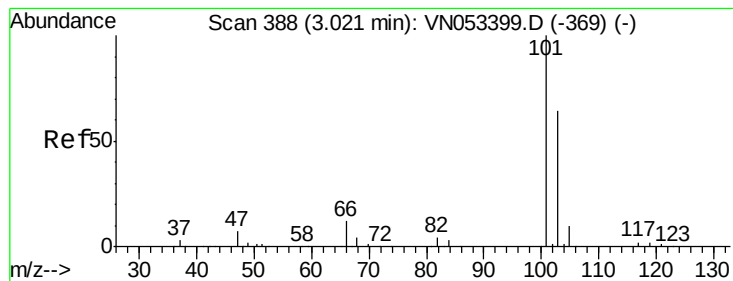
Tot Ion: 94 Resp: 274569
Ion Ratio Lower Upper
94 100
96 92.9 76.8 115.2



#6
Chloroethane
Concen: 48.941 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 64 Resp: 235510
Ion Ratio Lower Upper
64 100
66 33.0 25.1 37.7



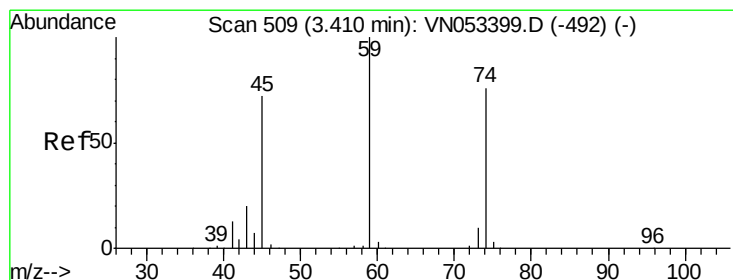
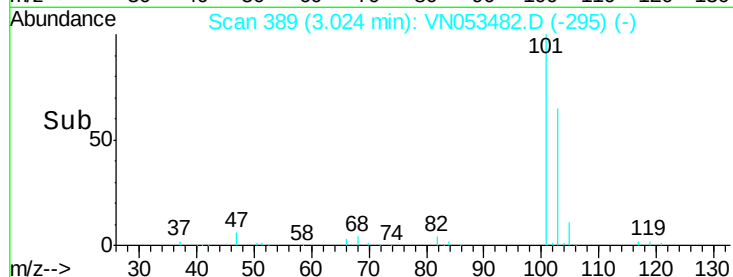
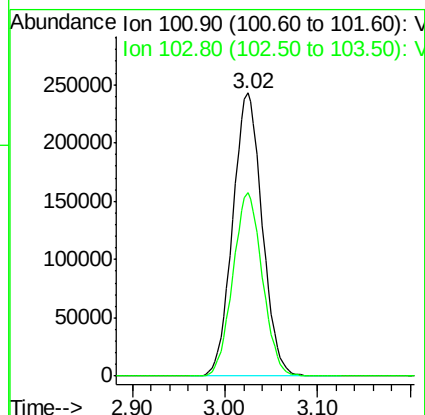
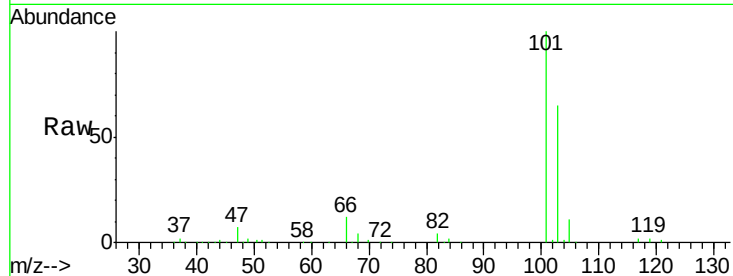


#7

Trichlorofluoromethane
 Concen: 51.407 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

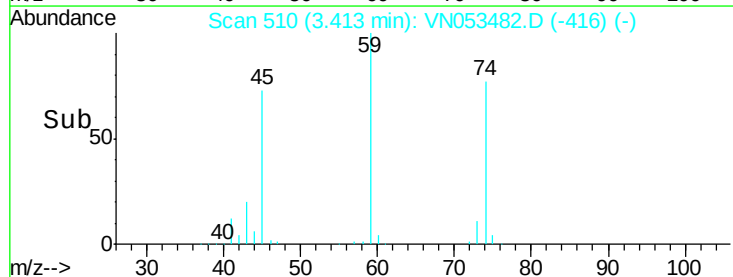
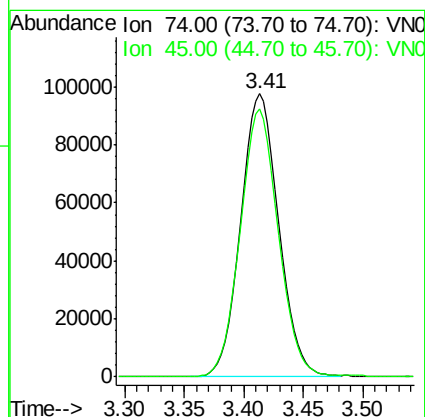
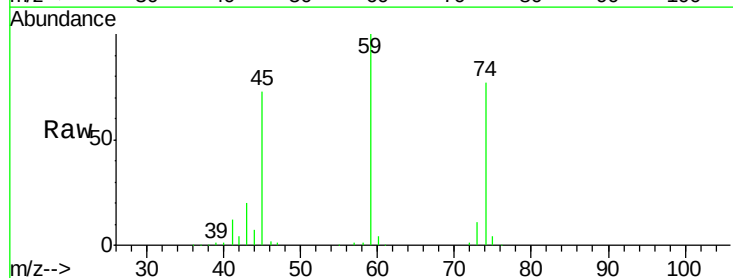
Tot Ion:101 Resp: 535192
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

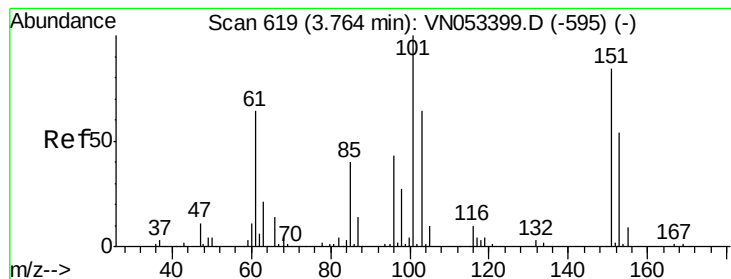


#8

Diethyl Ether
 Concen: 55.210 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion: 74 Resp: 215877
 Ion Ratio Lower Upper
 74 100
 45 95.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.564 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

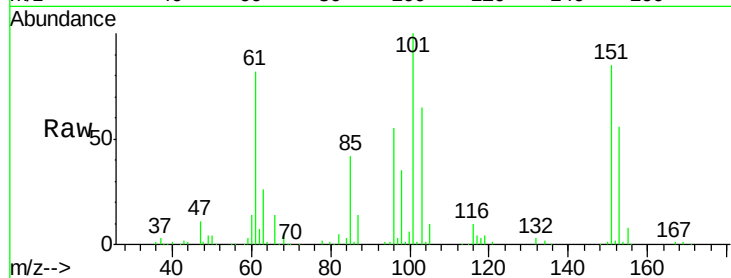
Tot Ion:101 Resp: 333383

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

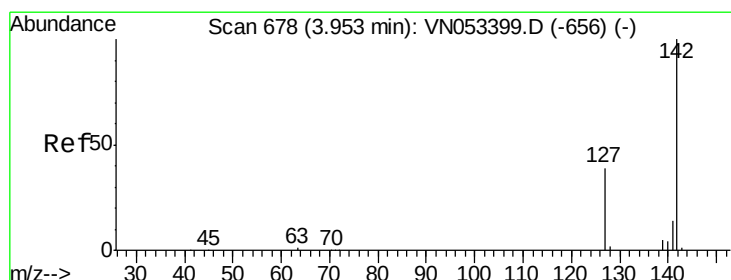
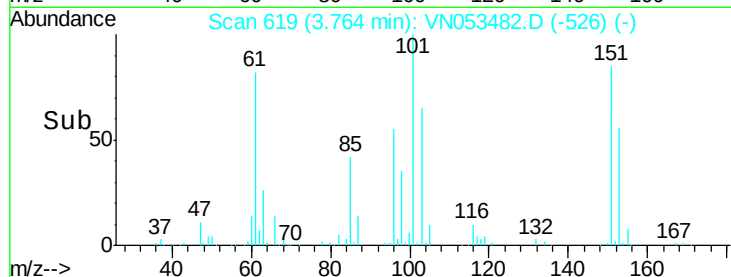
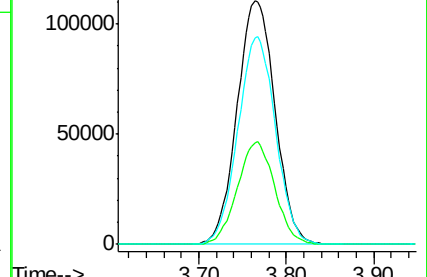
151 84.6 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.852 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

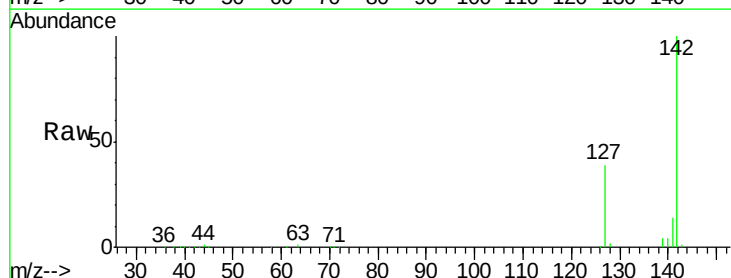
Tgt Ion:142 Resp: 522437

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

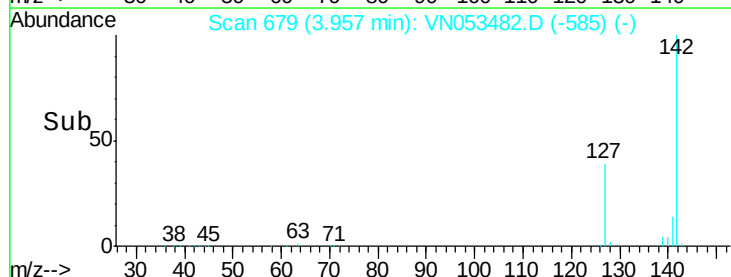
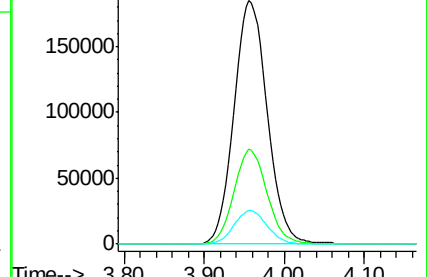
141 13.9 11.1 16.7

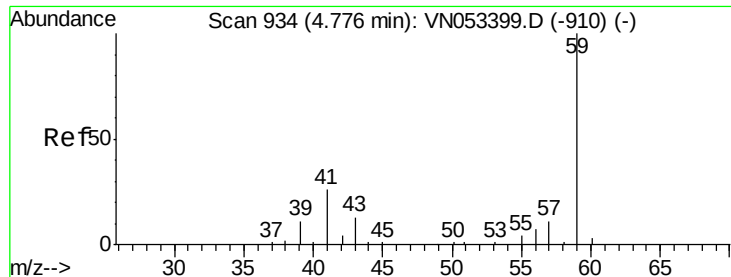


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



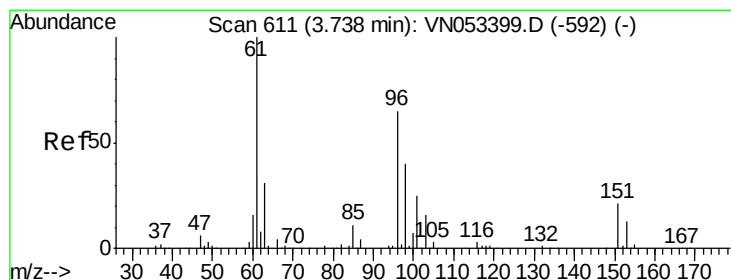
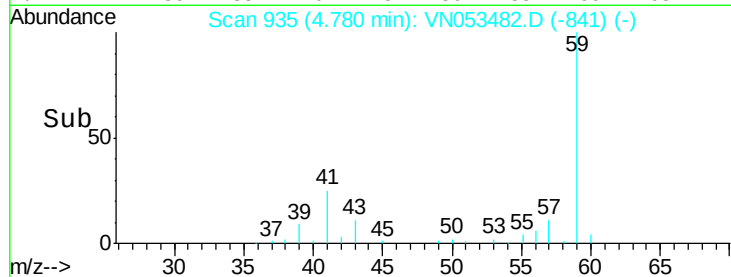
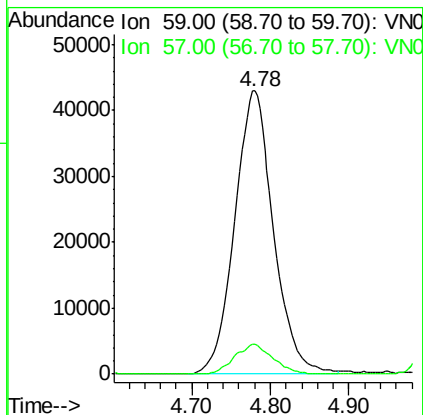
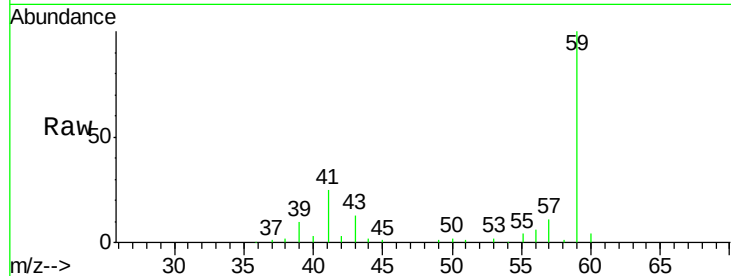


#11

Tert butyl alcohol
 Concen: 427.590 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

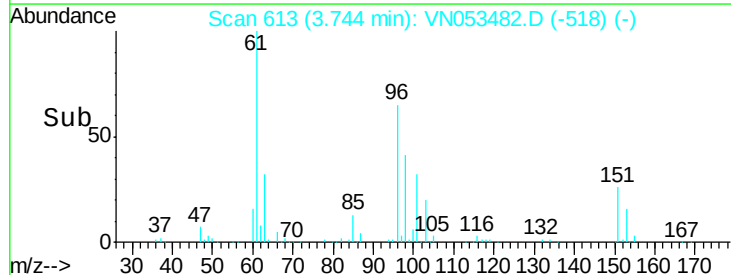
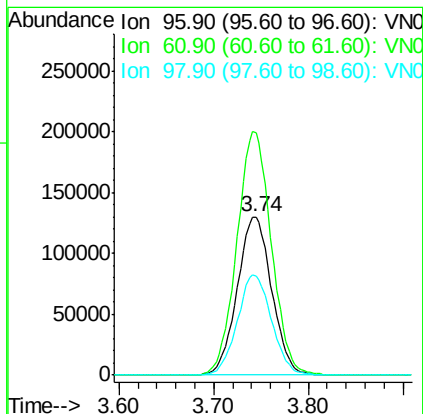
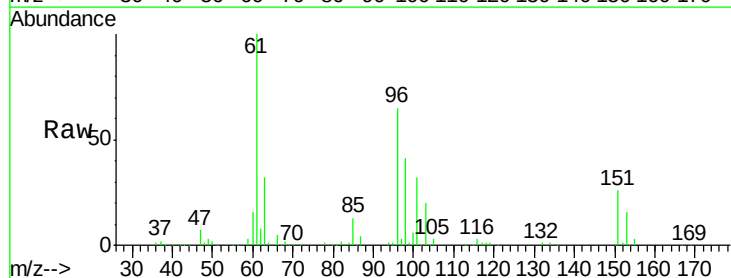
Tot Ion: 59 Resp: 148545
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

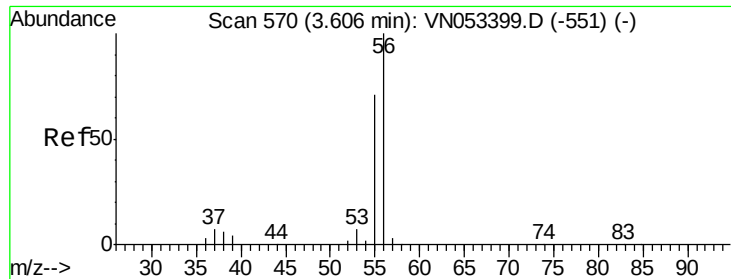


#12

1,1-Dichloroethene
 Concen: 51.611 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion: 96 Resp: 330061
 Ion Ratio Lower Upper
 96 100
 61 153.3 122.9 184.3
 98 62.8 49.4 74.0





#13

Acrolein

Concen: 237.378 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

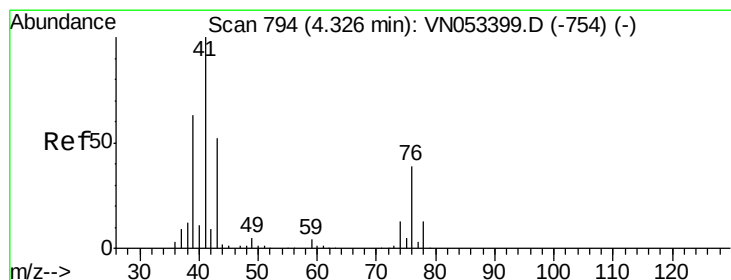
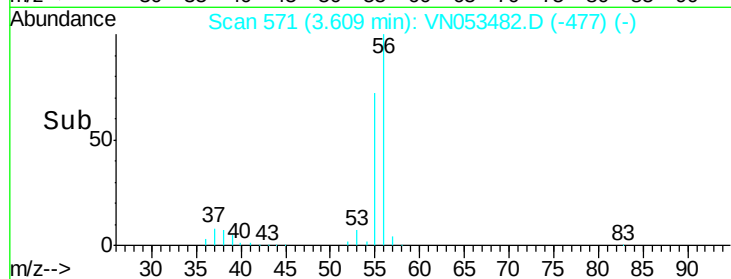
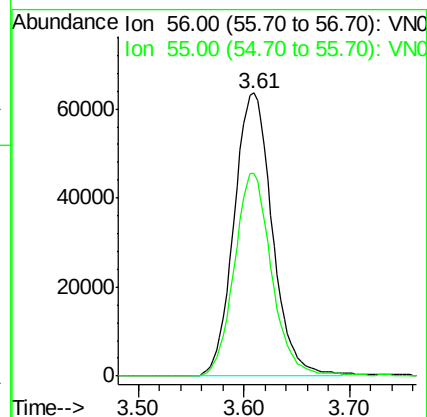
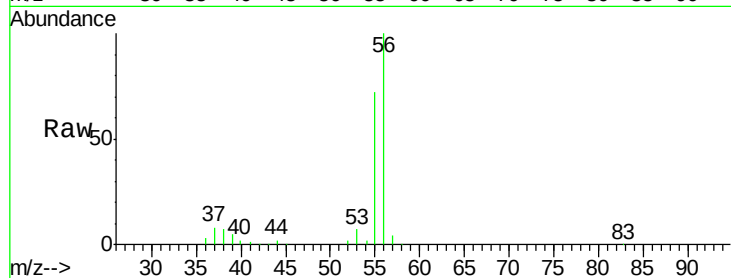
SA-TW521-2327MSD

Tot Ion: 56 Resp: 160060

Ion Ratio Lower Upper

56 100

55 70.1 57.4 86.0



#14

Allyl chloride

Concen: 49.326 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

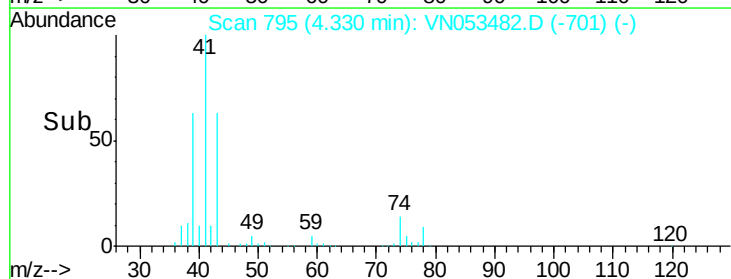
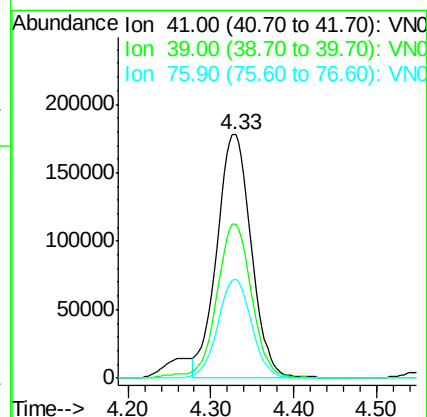
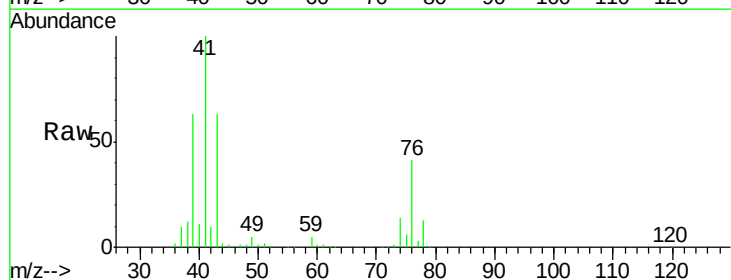
Tgt Ion: 41 Resp: 512380

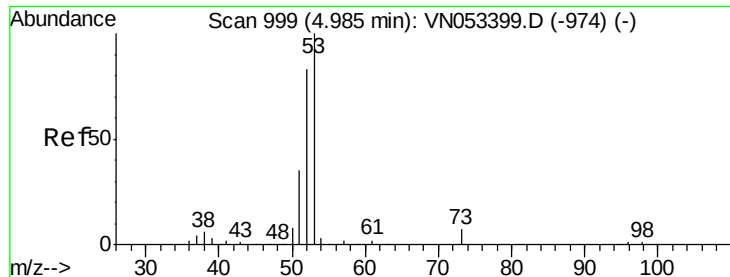
Ion Ratio Lower Upper

41 100

39 64.5 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 308.939 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

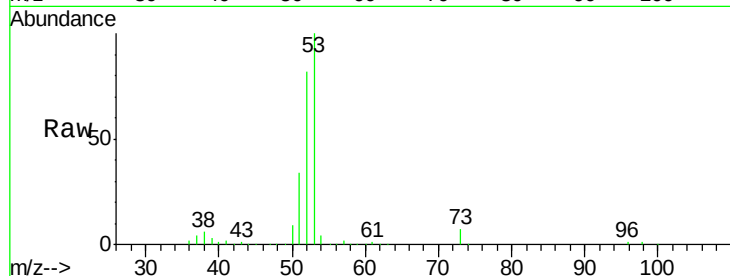
Tot Ion: 53 Resp: 706320

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

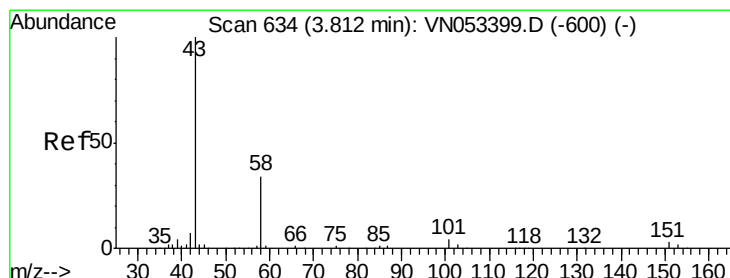
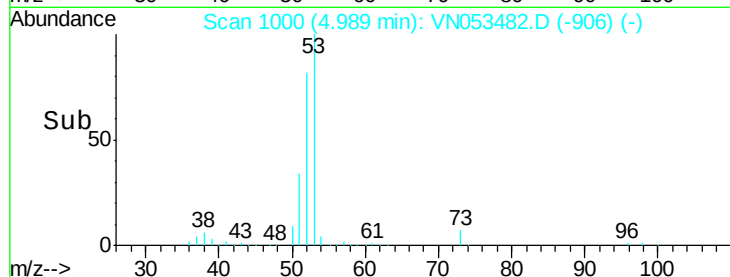
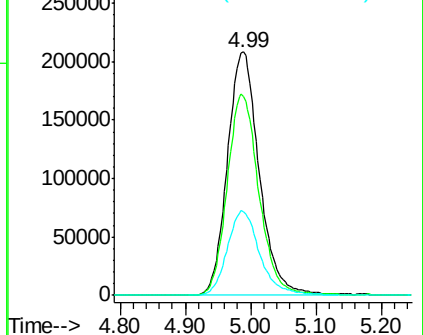
51 35.5 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 284.436 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053482.D

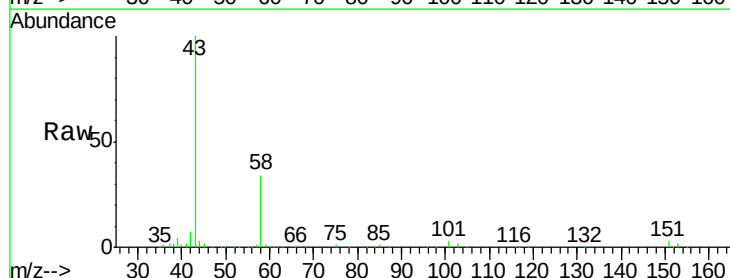
Acq: 18 Jan 2019 19:44

Tgt Ion: 43 Resp: 473788

Ion Ratio Lower Upper

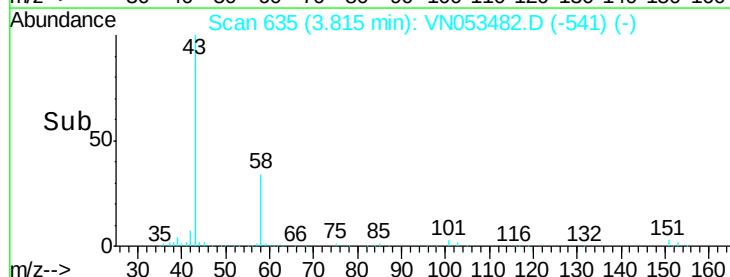
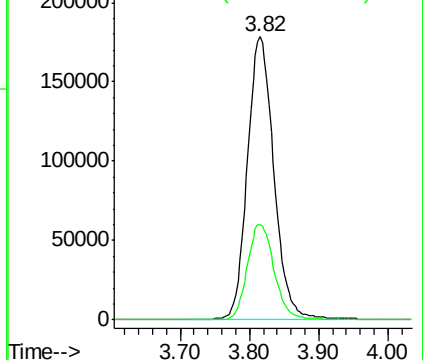
43 100

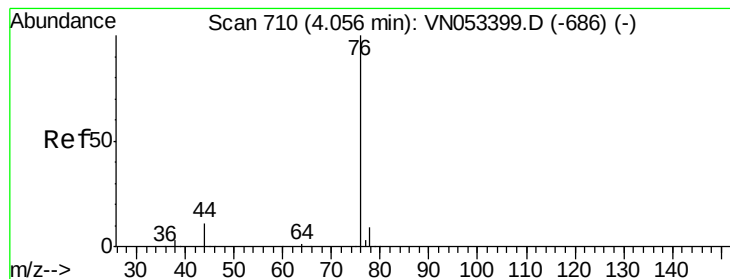
58 33.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.944 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

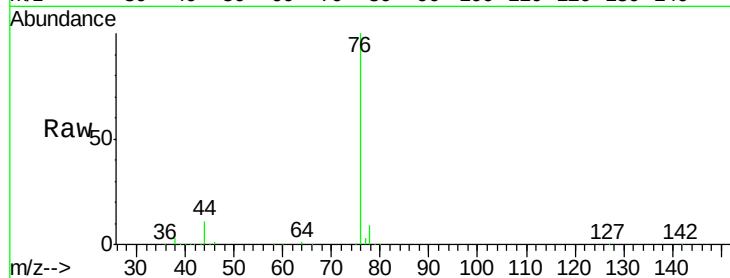
SA-TW521-2327MSD

Tot Ion: 76 Resp: 946528

Ion Ratio Lower Upper

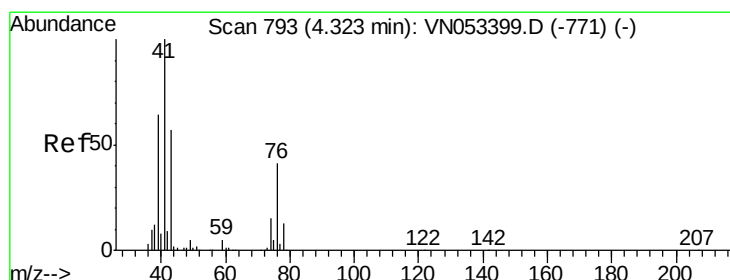
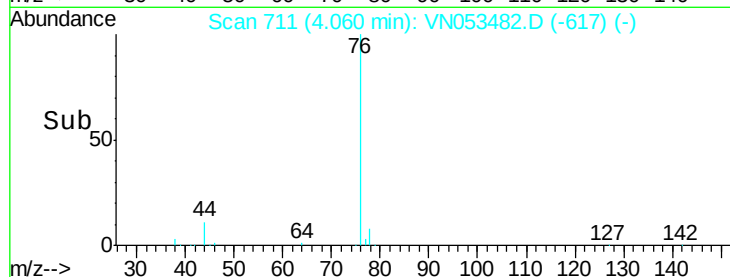
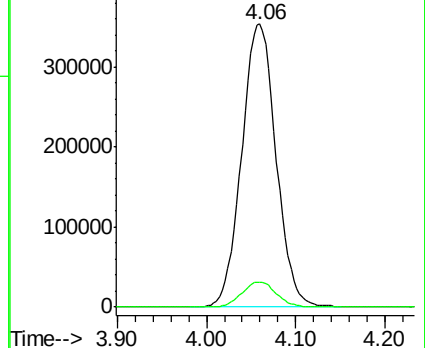
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 58.756 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053482.D

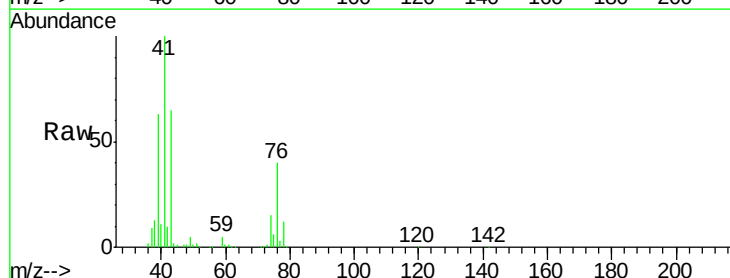
Acq: 18 Jan 2019 19:44

Tgt Ion: 43 Resp: 329742

Ion Ratio Lower Upper

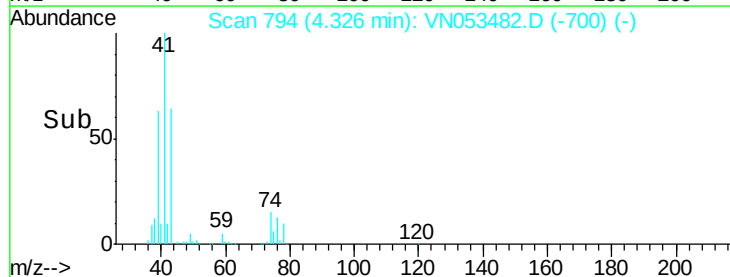
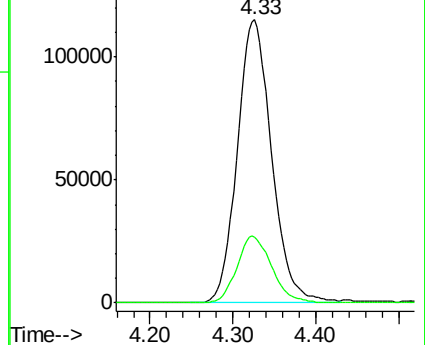
43 100

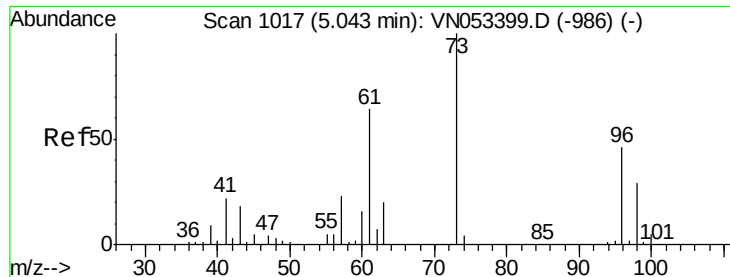
74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 57.655 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

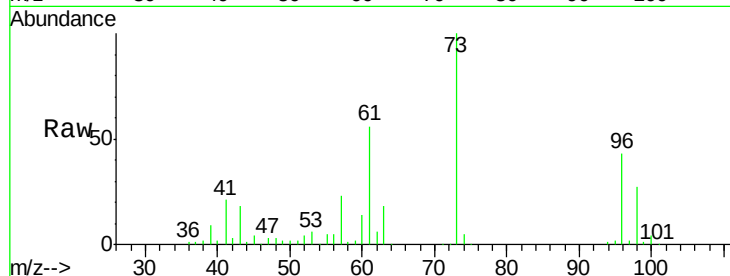
SA-TW521-2327MSD

Tot Ion: 73 Resp: 979674

Ion Ratio Lower Upper

73 100

57 22.6 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053399.D (-986) (-)

Ion 57.00 (56.70 to 57.70): VN053399.D (-986) (-)

5.05

250000

200000

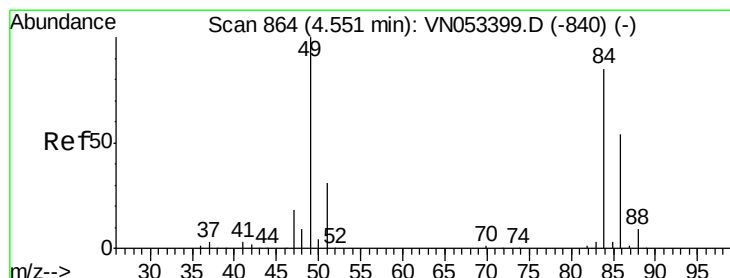
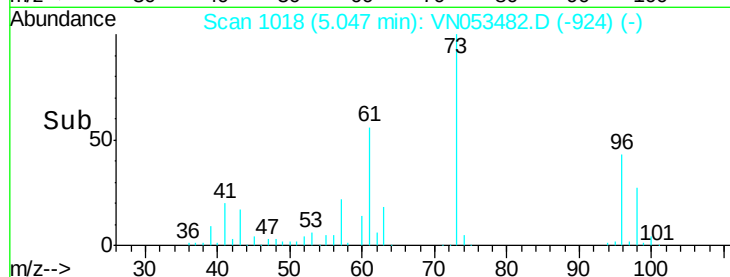
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 50.846 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion: 84 Resp: 386673

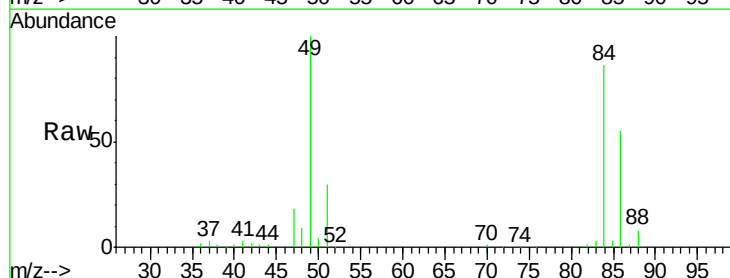
Ion Ratio Lower Upper

84 100

49 116.8 94.3 141.5

51 35.0 29.4 44.2

86 64.1 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053399.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN053399.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN053399.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN053399.D (-840) (-)

4.55

200000

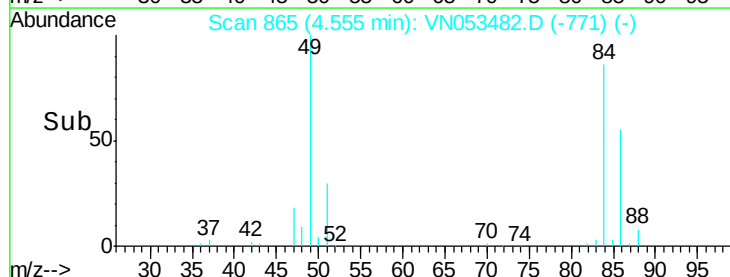
150000

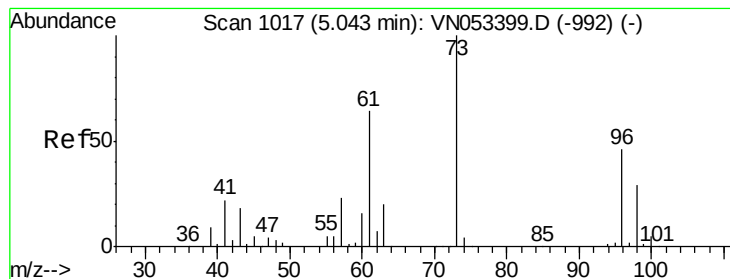
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.688 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

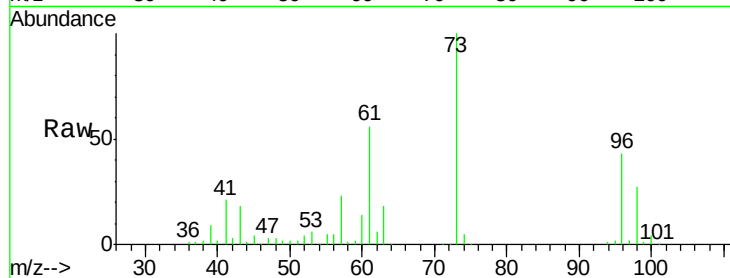
Tot Ion: 96 Resp: 360233

Ion Ratio Lower Upper

96 100

61 128.0 110.1 165.1

98 61.3 50.0 75.0

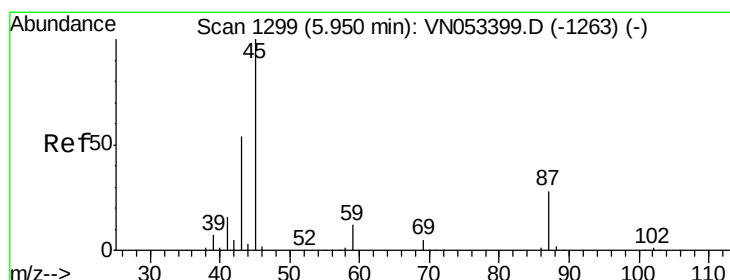
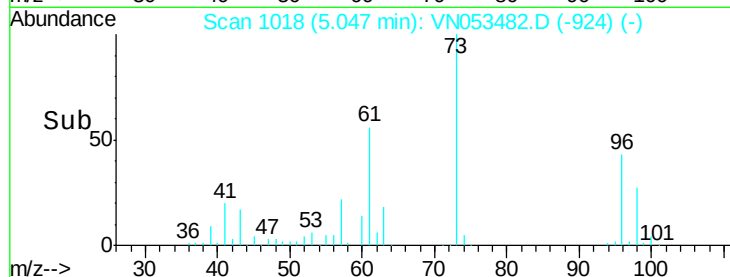
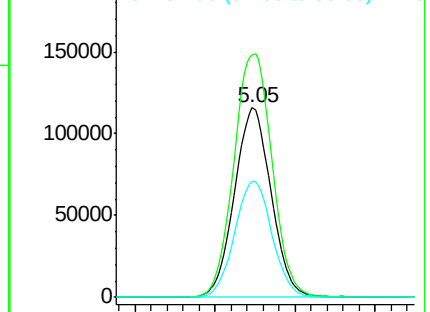


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.593 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Tgt Ion: 45 Resp: 1162190

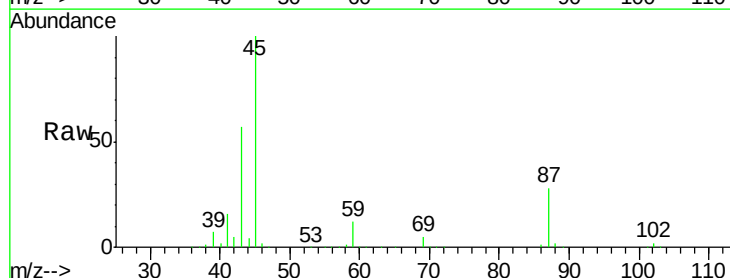
Ion Ratio Lower Upper

45 100

43 55.9 44.2 66.4

87 28.3 22.7 34.1

59 11.7 9.4 14.2



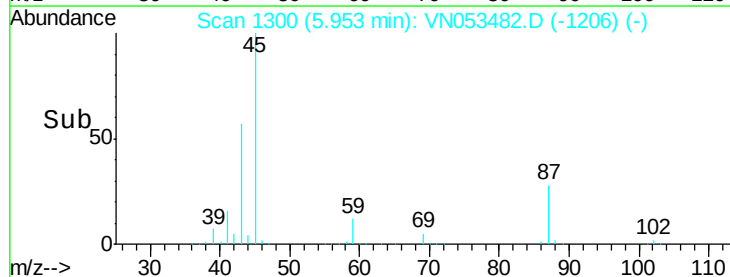
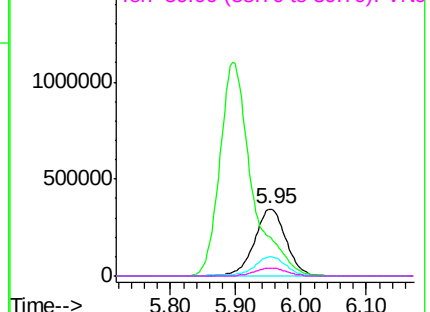
Abundance

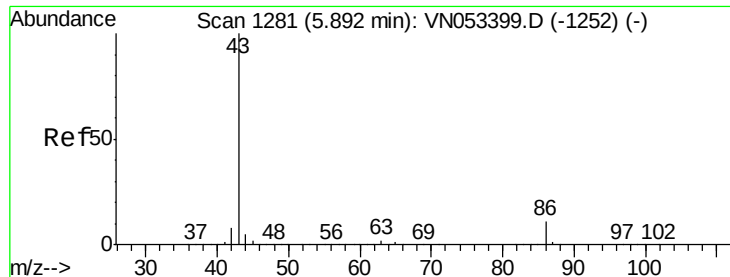
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 280.474 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

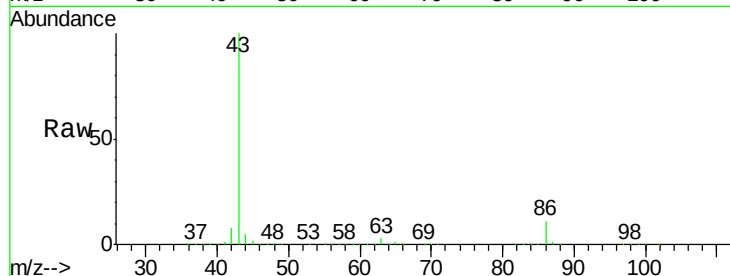
SA-TW521-2327MSD

Tot Ion: 43 Resp: 3738783

Ion Ratio Lower Upper

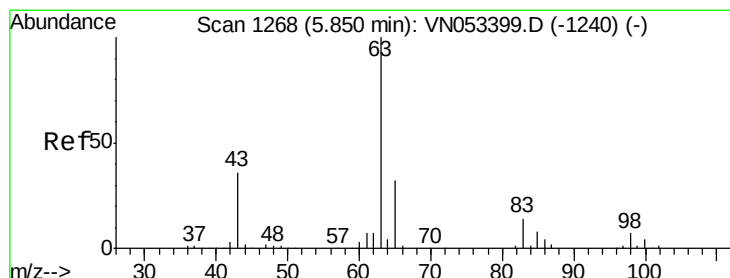
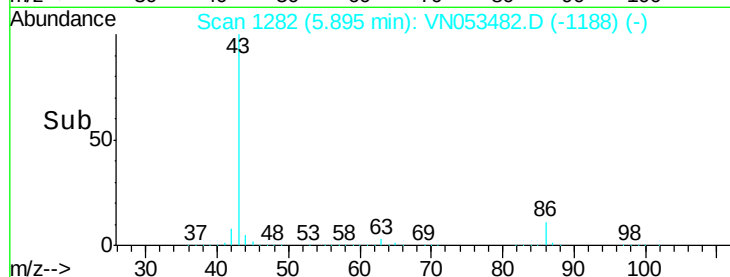
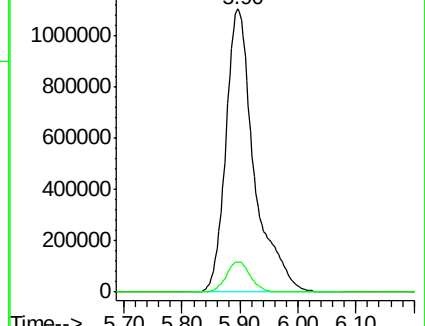
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053399.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 52.186 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

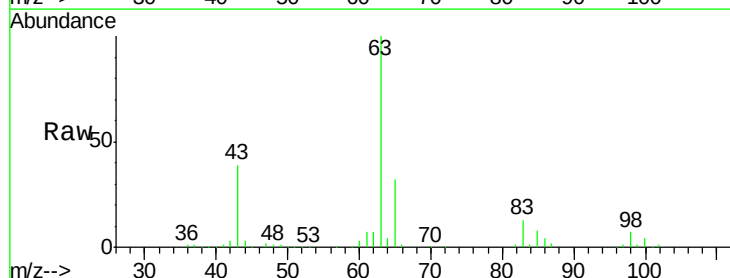
Tgt Ion: 63 Resp: 668996

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

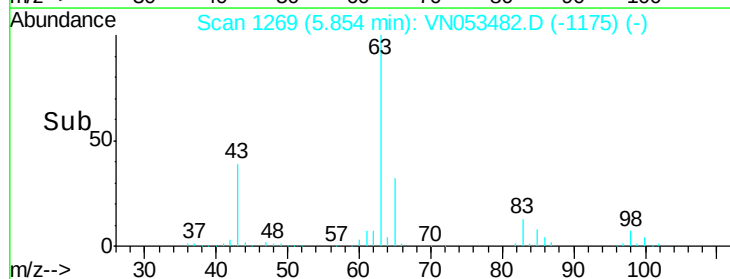
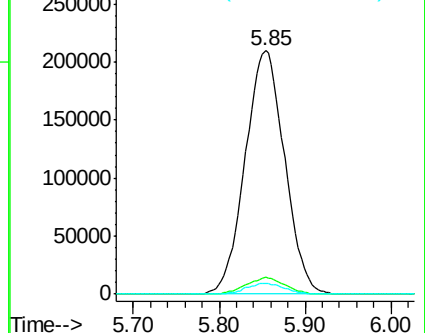
100 4.5 2.1 6.5

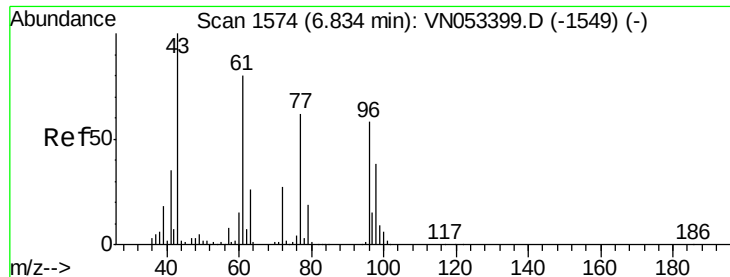


Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN053399.D (-1240) (-)

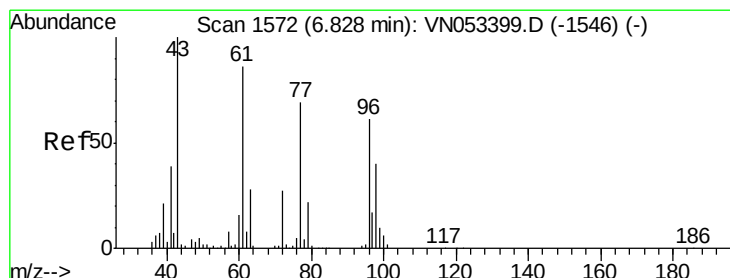
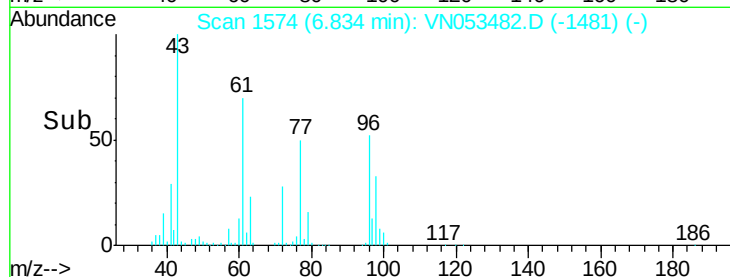
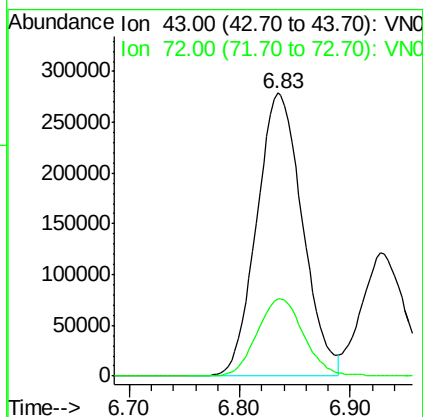
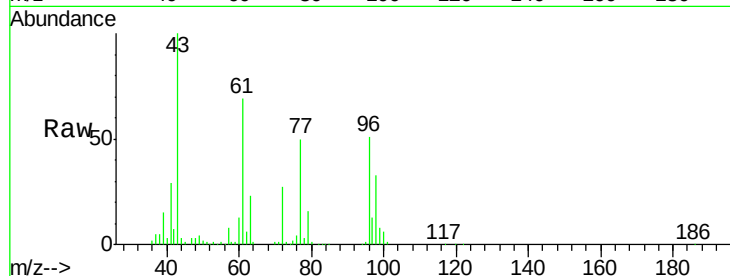




#25
2-Butanone
Concen: 311.793 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

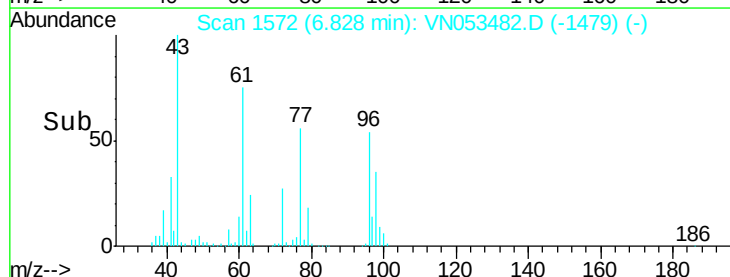
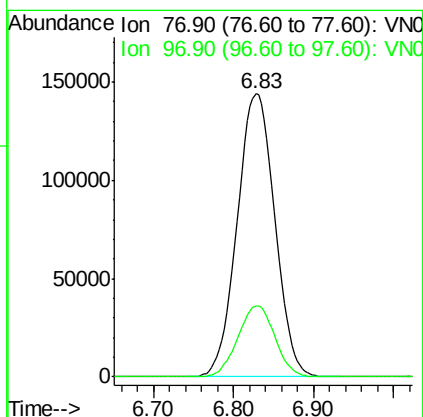
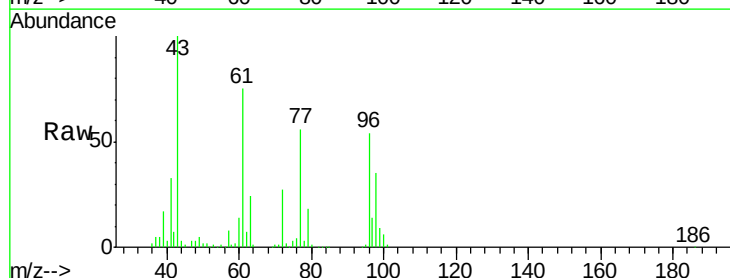
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

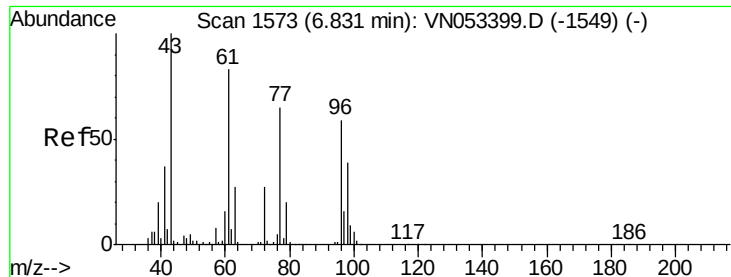
Tot Ion: 43 Resp: 800334
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0



#26
2,2-Dichloropropane
Concen: 47.456 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 77 Resp: 459329
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.428 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

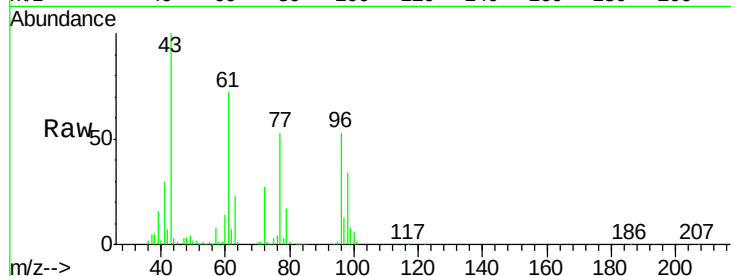
Tot Ion: 96 Resp: 417717

Ion Ratio Lower Upper

96 100

61 138.9 0.0 283.8

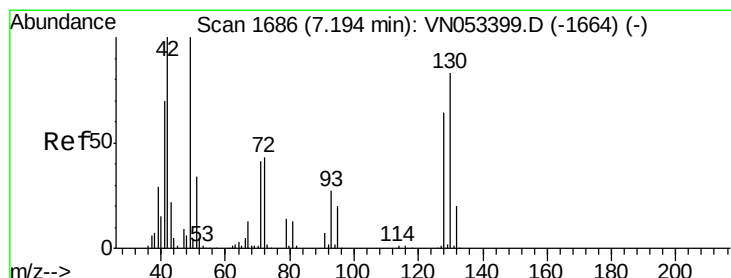
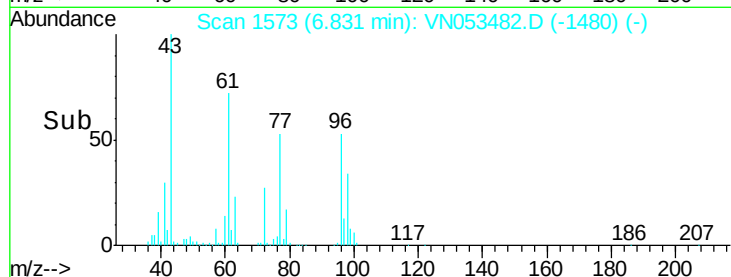
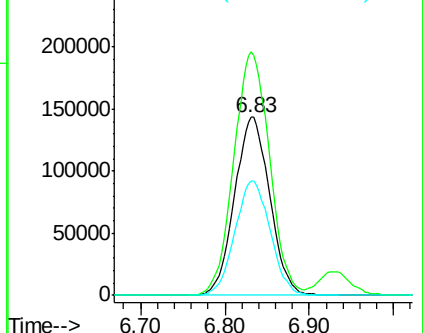
98 64.3 0.0 129.2



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: 53.727 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

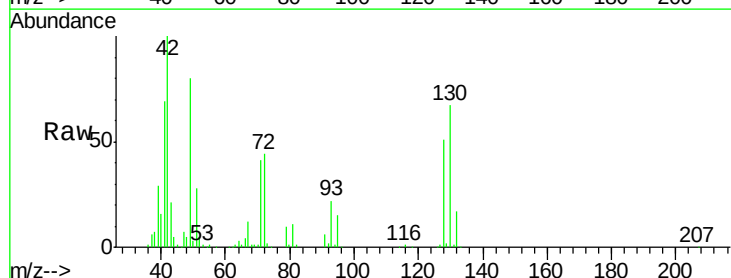
Tgt Ion: 49 Resp: 303426

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

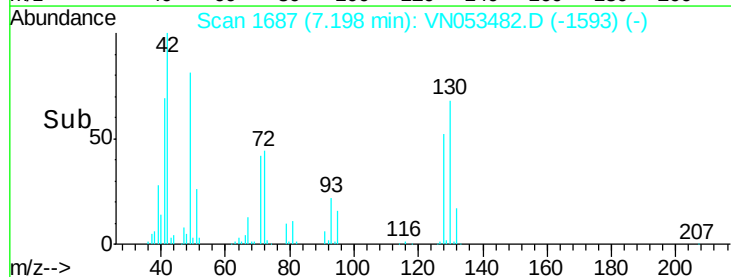
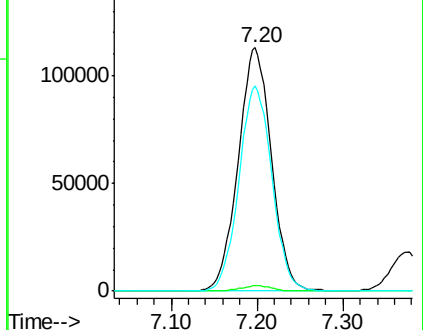
130 83.7 66.3 99.5

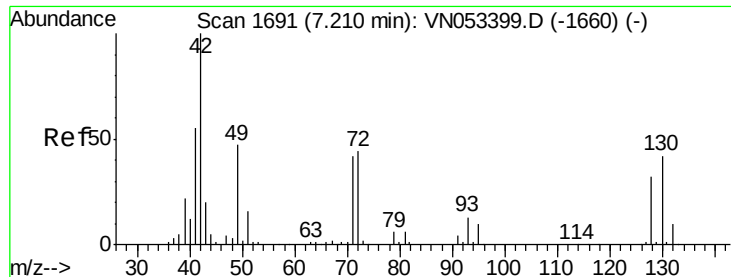


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 327.303 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

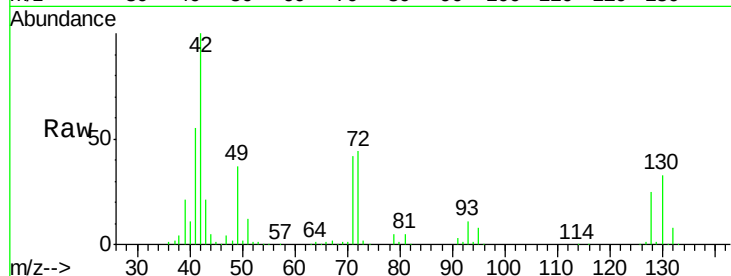
Tot Ion: 42 Resp: 546938

Ion Ratio Lower Upper

42 100

72 44.3 35.2 52.8

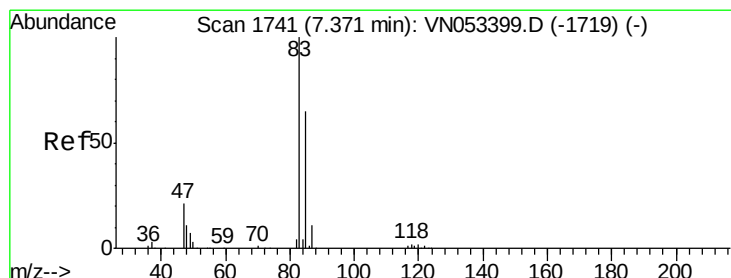
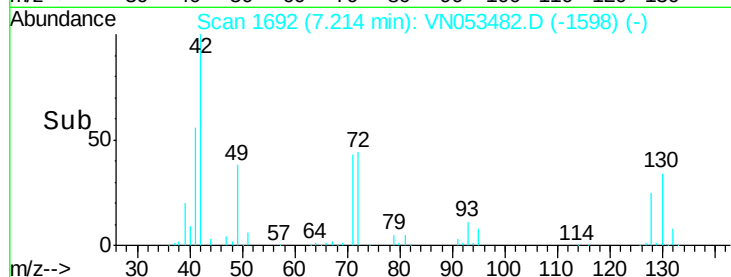
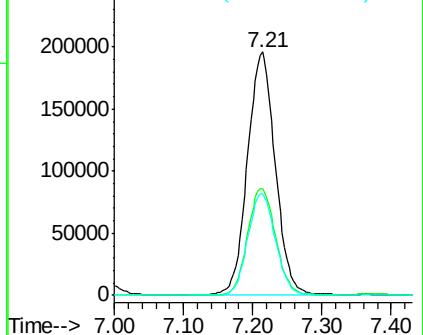
71 41.6 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 53.279 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053482.D

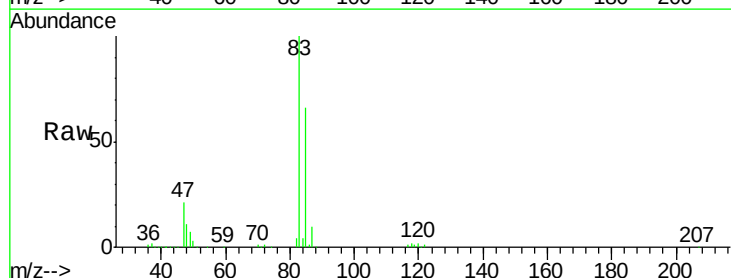
Acq: 18 Jan 2019 19:44

Tgt Ion: 83 Resp: 665461

Ion Ratio Lower Upper

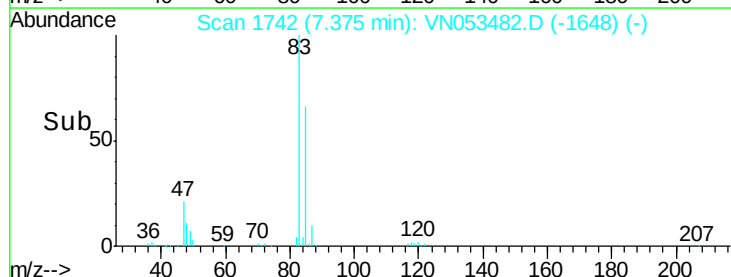
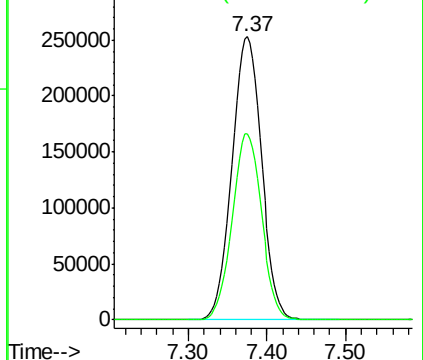
83 100

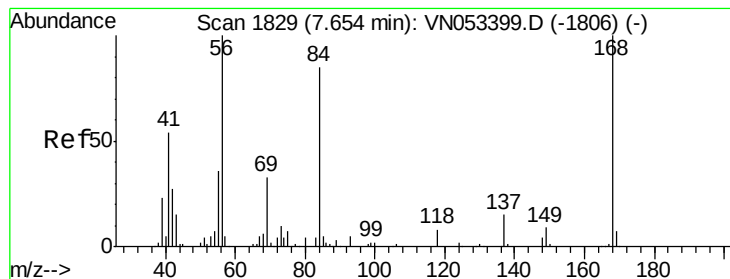
85 65.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.652 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

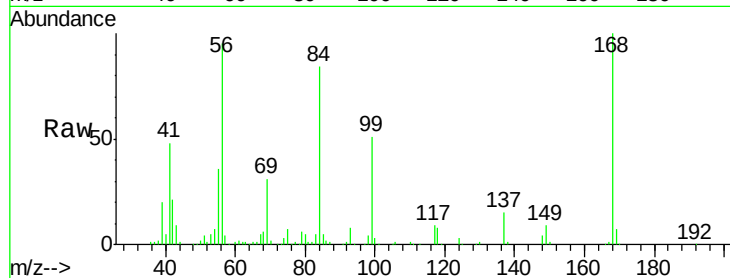
Tot Ion: 56 Resp: 607048

Ion Ratio Lower Upper

56 100

69 32.8 26.4 39.6

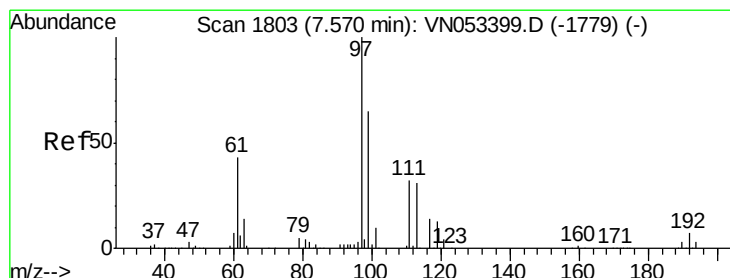
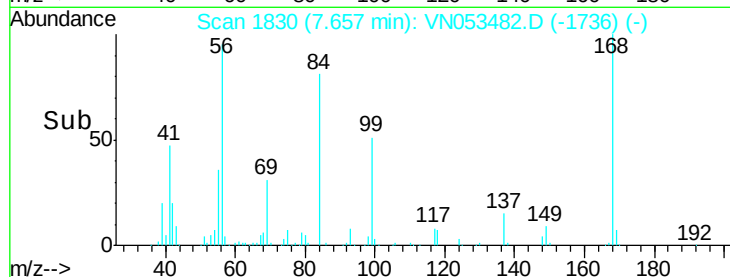
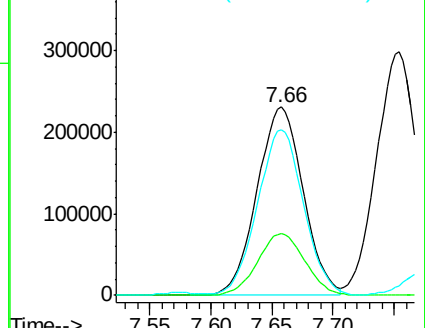
84 86.9 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.530 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

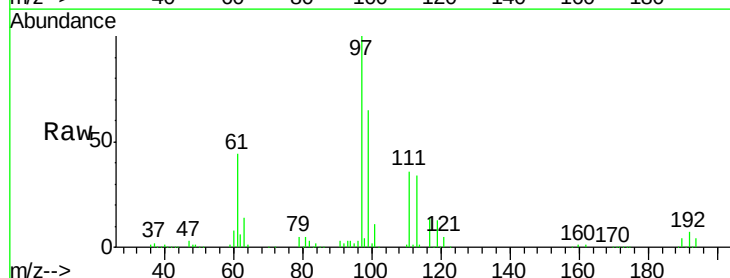
Tgt Ion: 97 Resp: 556568

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

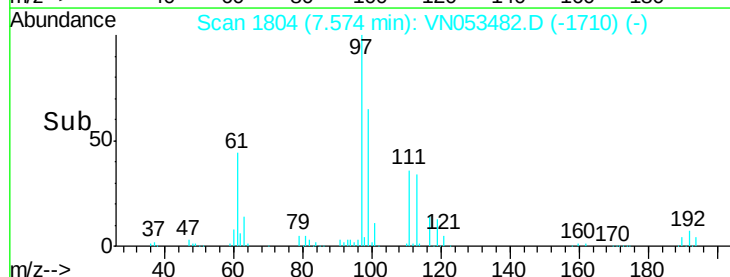
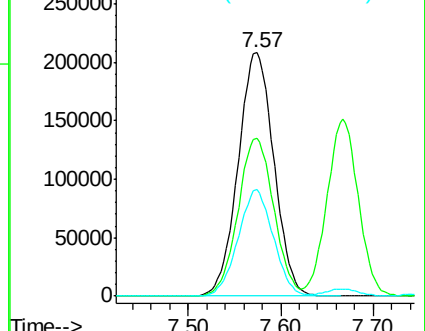
61 43.0 34.4 51.6

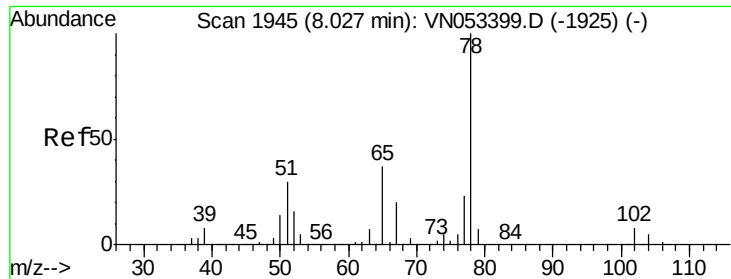


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.530 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

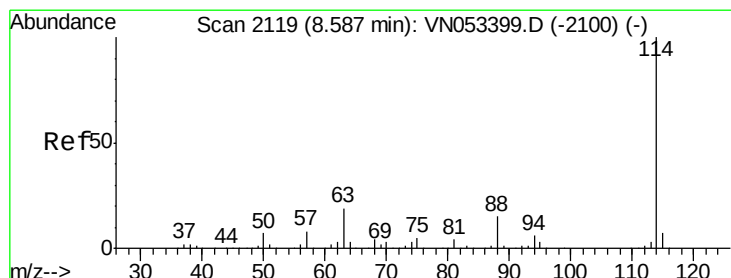
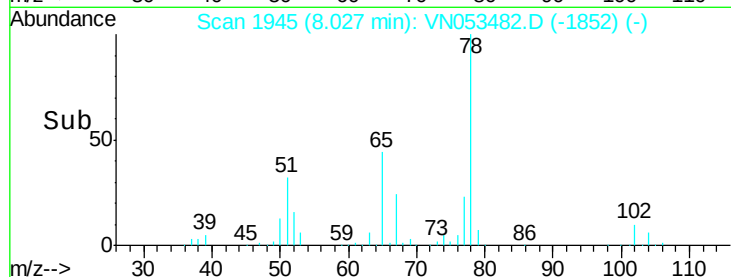
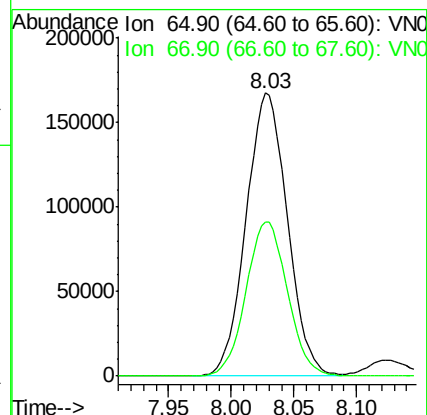
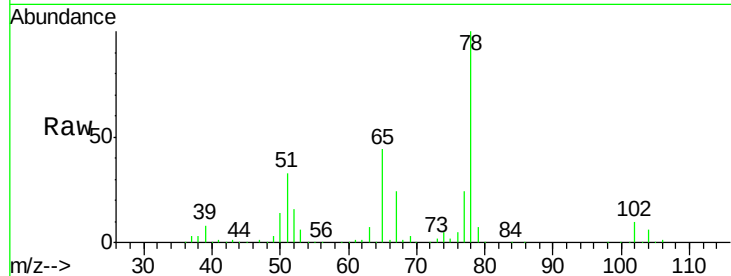
SA-TW521-2327MSD

Tot Ion: 65 Resp: 384372

Ion Ratio Lower Upper

65 100

67 54.7 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

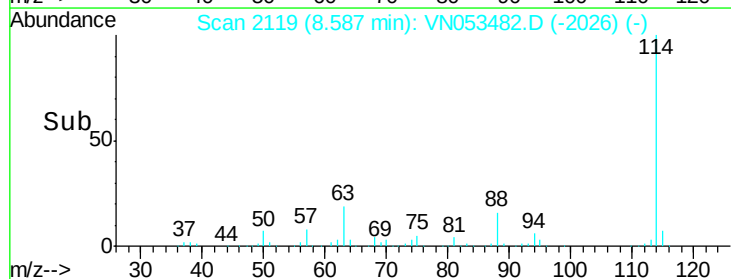
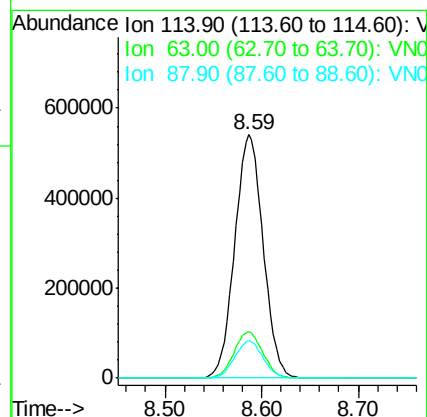
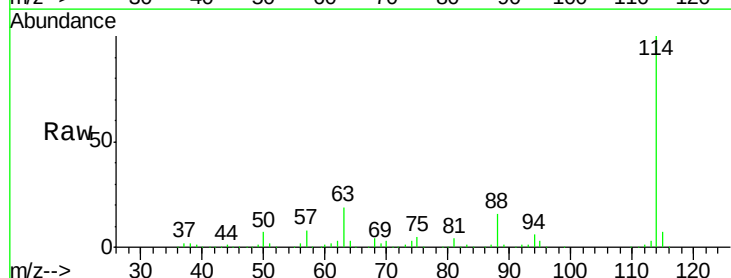
Tgt Ion: 114 Resp: 1101826

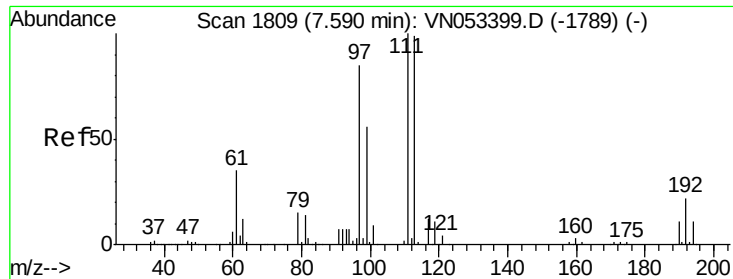
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.5 0.0 30.4

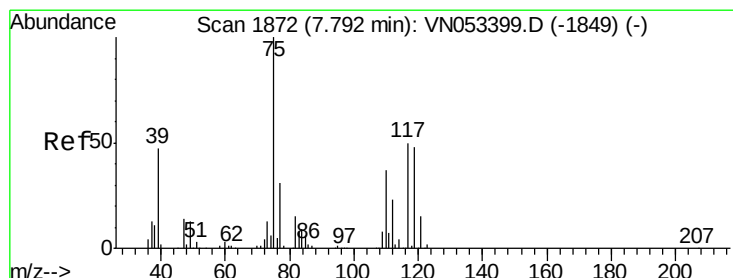
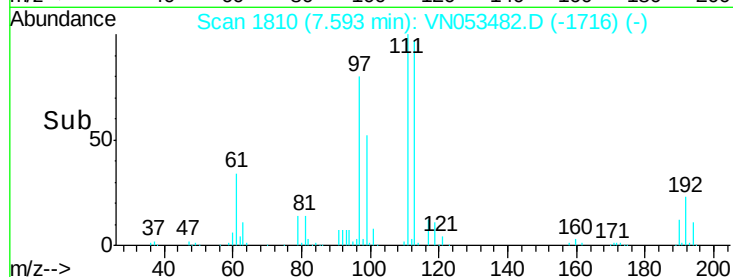
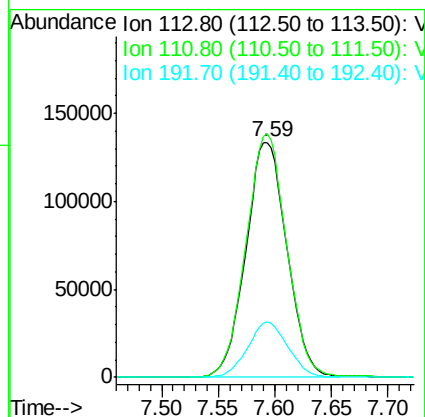
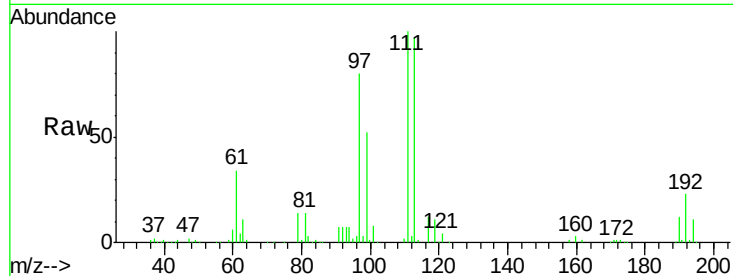




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

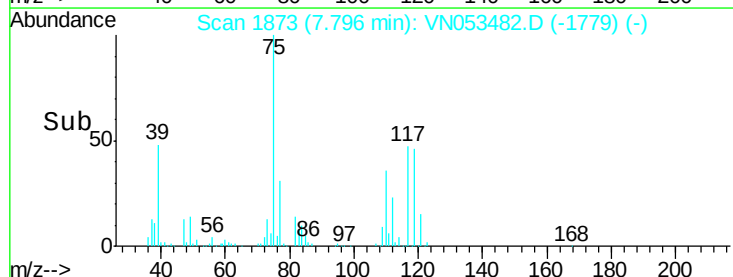
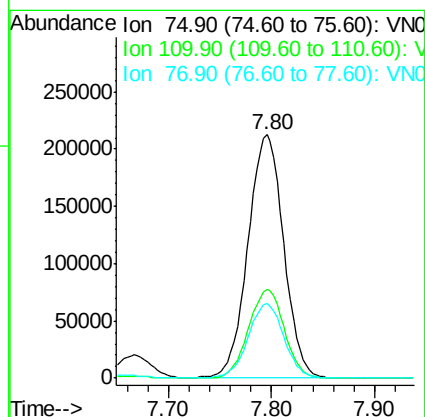
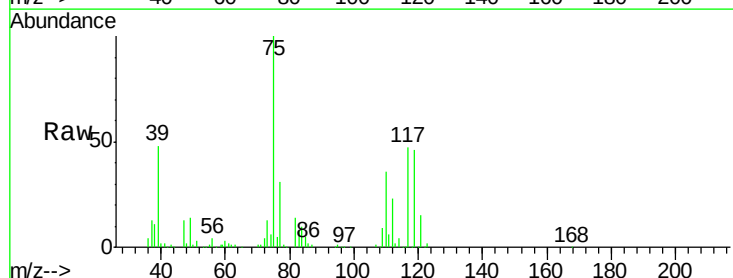
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

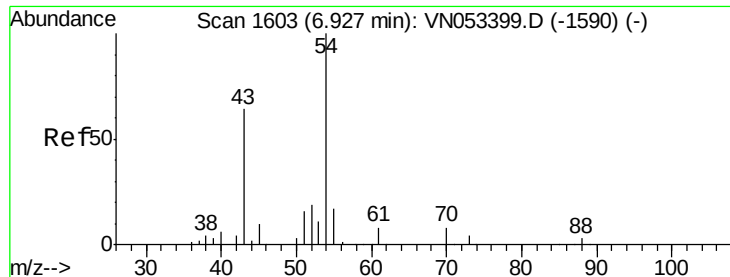
Tot Ion:113 Resp: 336798
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.1 121.7
 192 23.0 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 50.719 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion: 75 Resp: 508940
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.1 54.3
 77 30.5 25.1 37.7

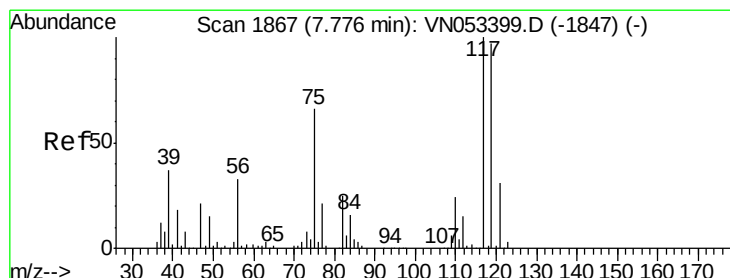
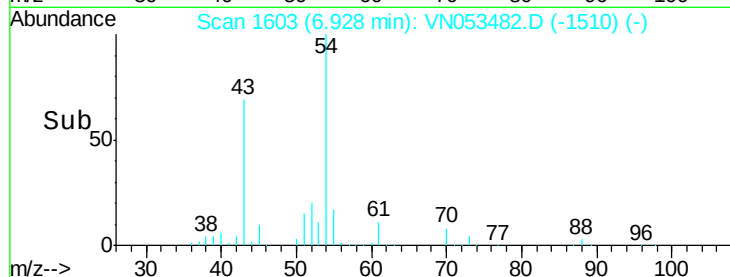
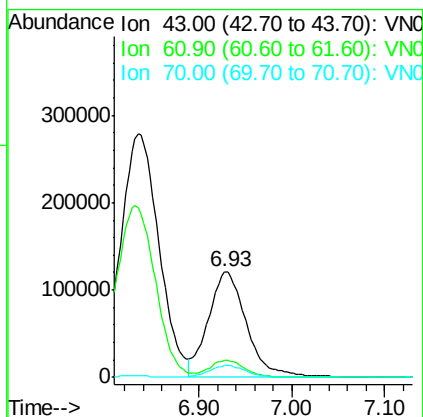
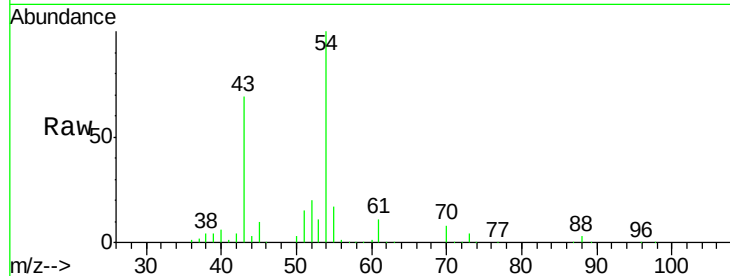




#37
Ethyl Acetate
Concen: 58.809 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

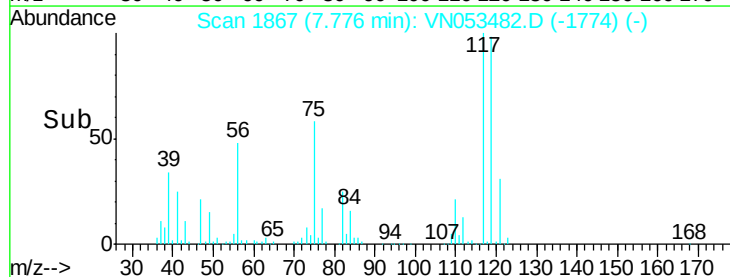
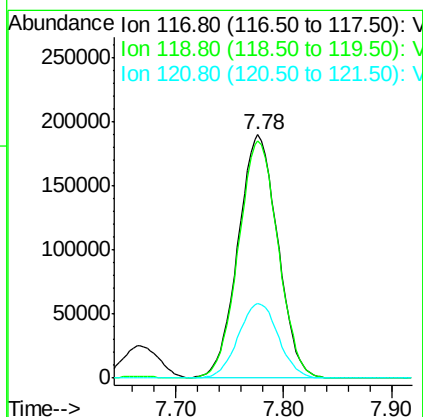
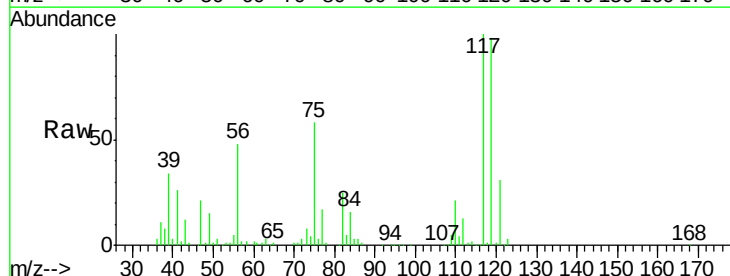
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

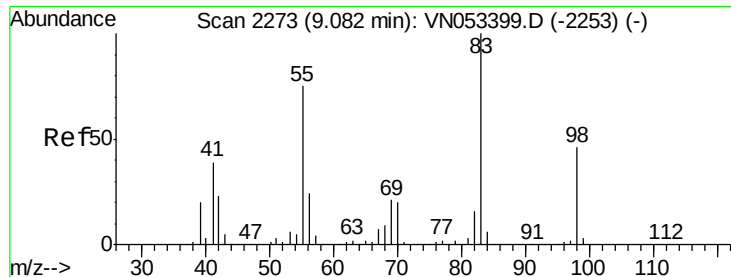
Tot Ion: 43 Resp: 339512
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 50.840 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 117 Resp: 482977
Ion Ratio Lower Upper
117 100
119 97.7 77.2 115.8
121 30.7 24.6 37.0

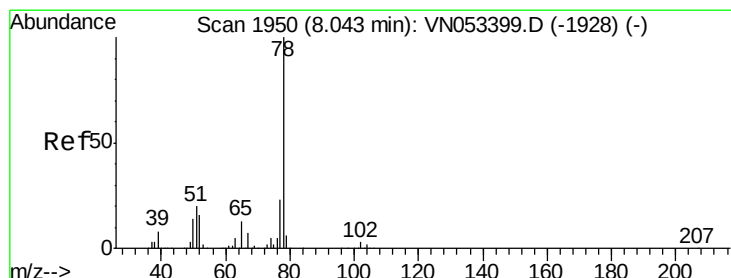
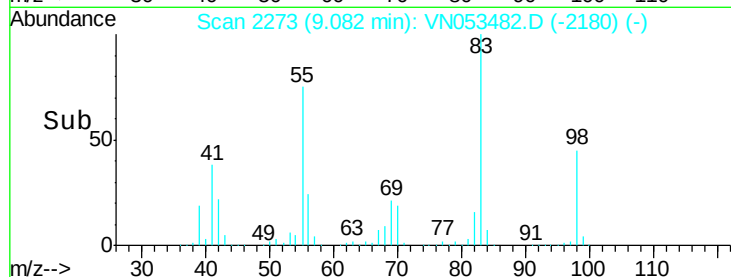
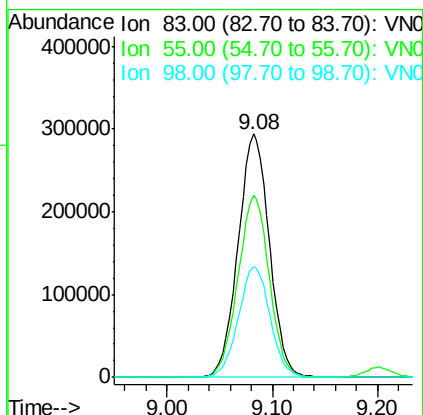
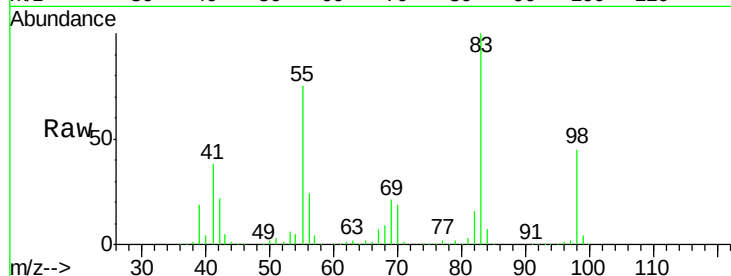




#39
Methylvlcyclohexane
Concen: 48.845 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

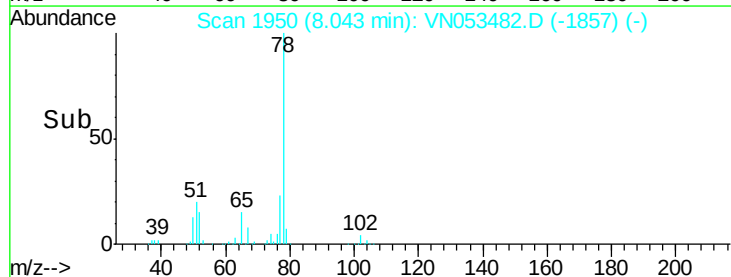
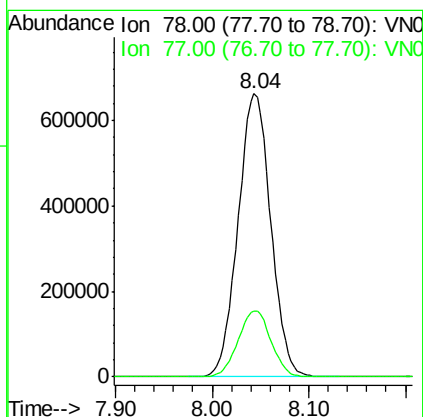
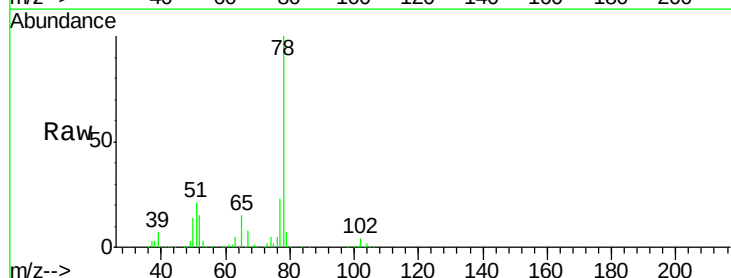
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

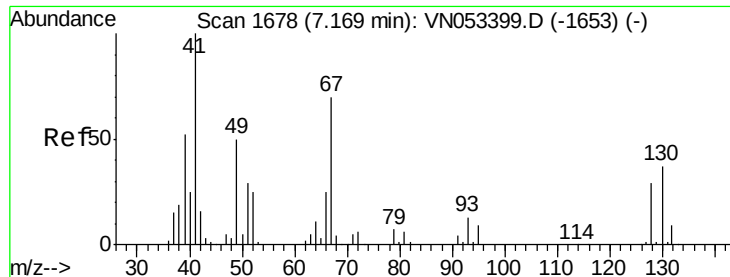
Tot Ion	83.00	Resp	605794
Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.1	90.1
98	45.4	36.6	55.0



#40
Benzene
Concen: 51.056 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion	78.00	Resp	1556837
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2

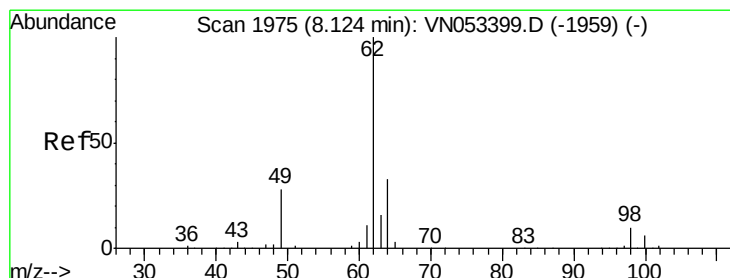
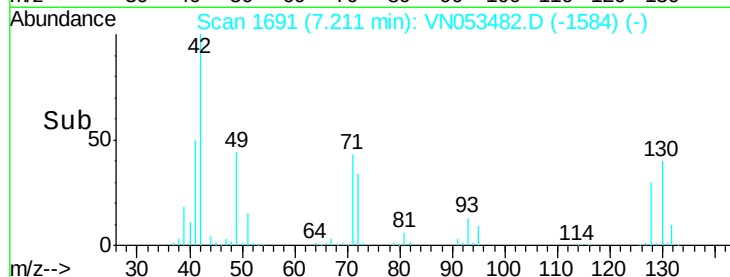
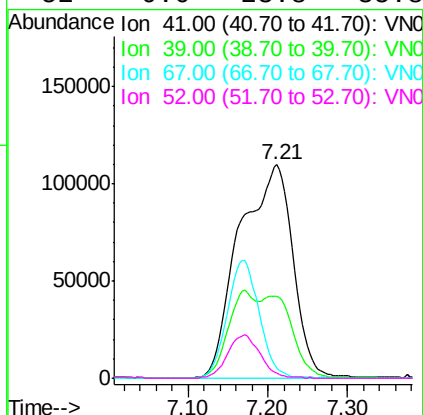
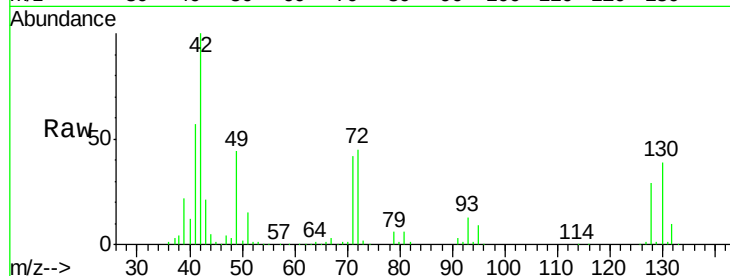




#41
Methacrylonitrile
Concen: 145.061 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

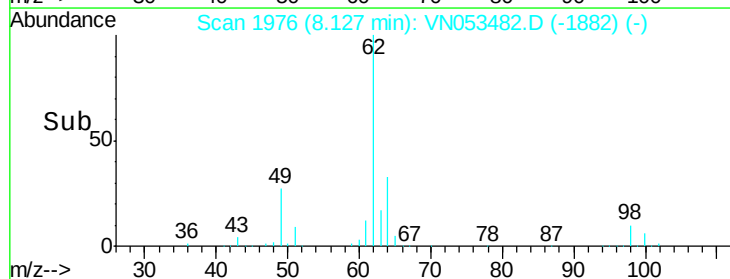
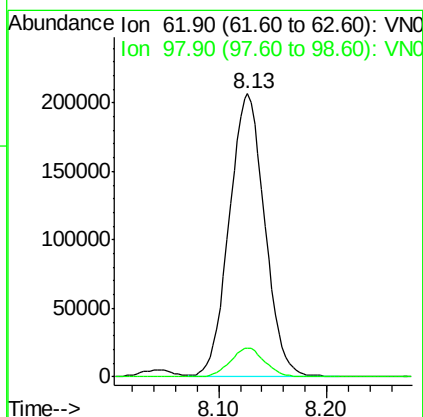
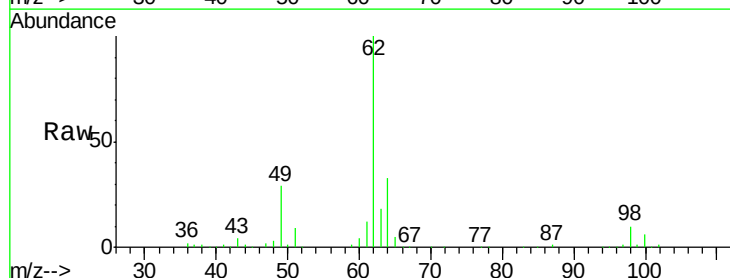
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

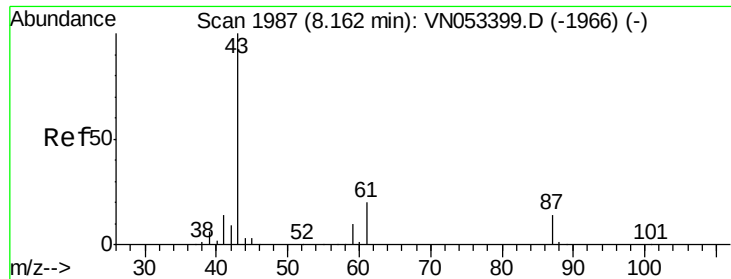
Tot Ion: 41 Resp: 502034
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 52.956 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 62 Resp: 470435
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 58.703 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

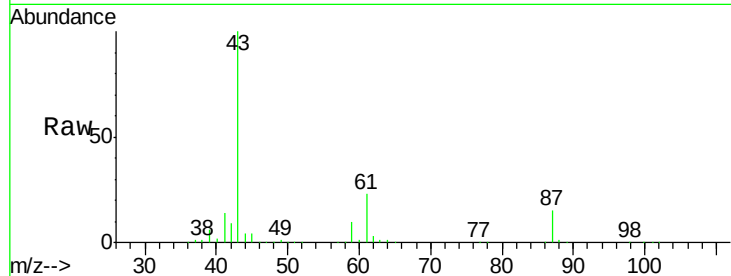
Tot Ion: 43 Resp: 609384

Ion Ratio Lower Upper

43 100

61 29.7 23.9 35.9

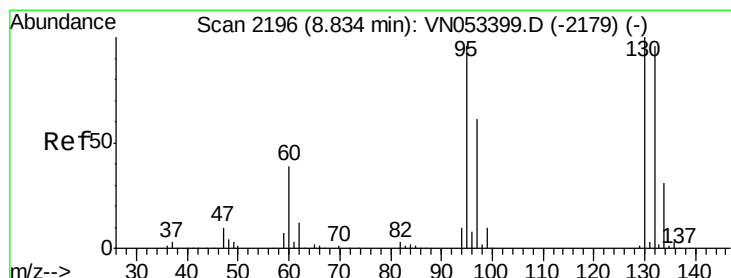
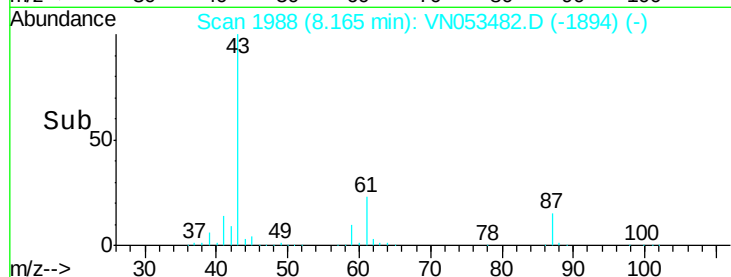
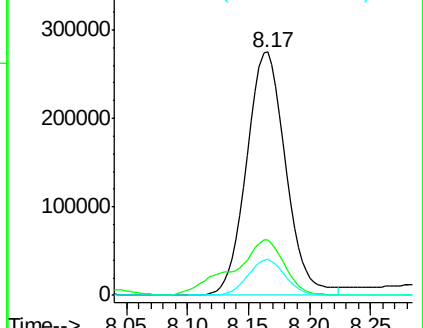
87 14.0 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 50.705 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053482.D

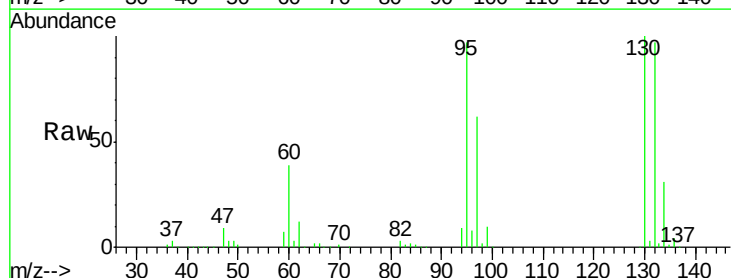
Acq: 18 Jan 2019 19:44

Tgt Ion:130 Resp: 428768

Ion Ratio Lower Upper

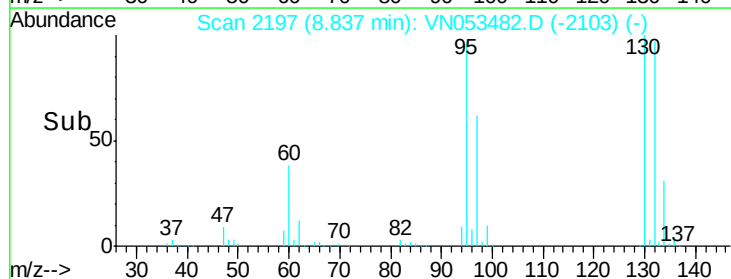
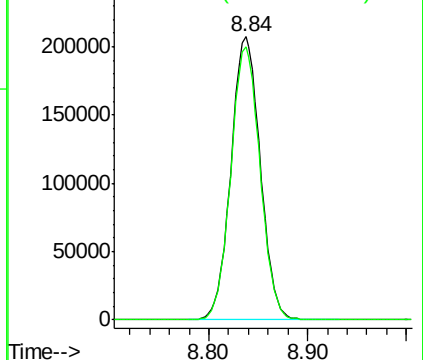
130 100

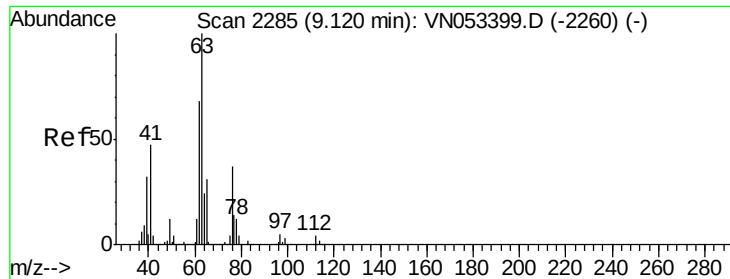
95 96.5 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 51.481 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

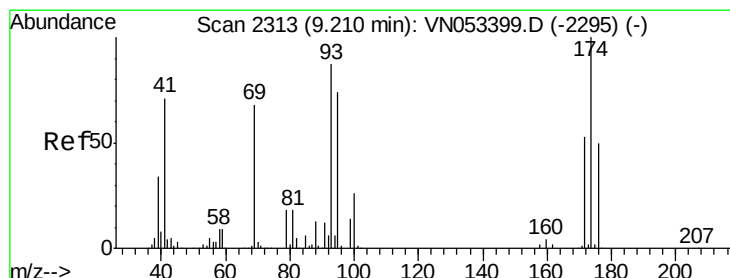
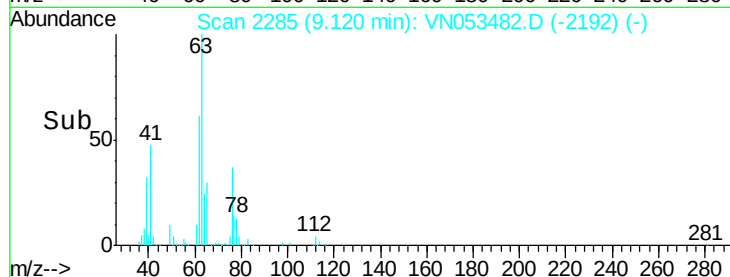
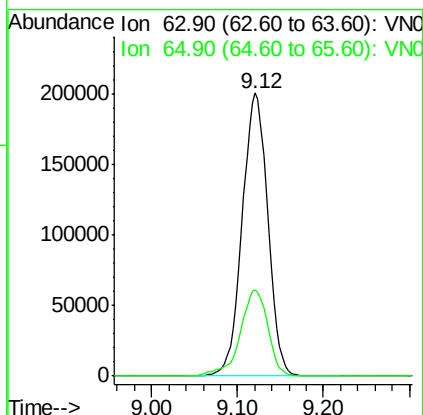
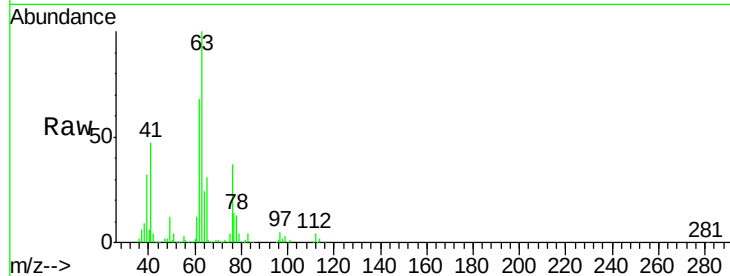
SA-TW521-2327MSD

Tot Ion: 63 Resp: 415796

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.4



#46

Dibromomethane

Concen: 53.382 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

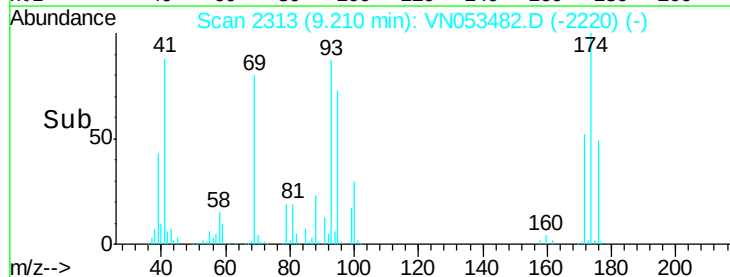
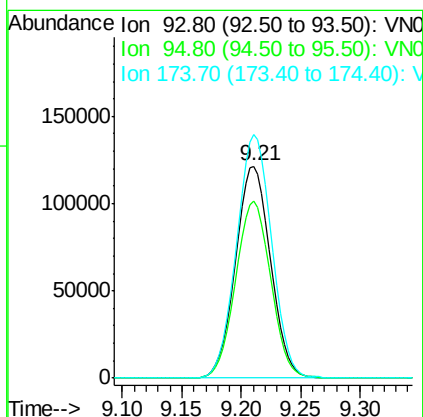
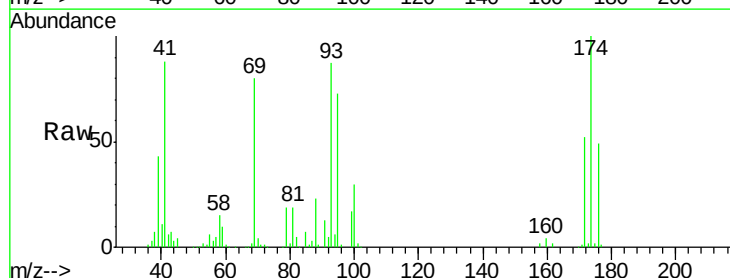
Tgt Ion: 93 Resp: 247711

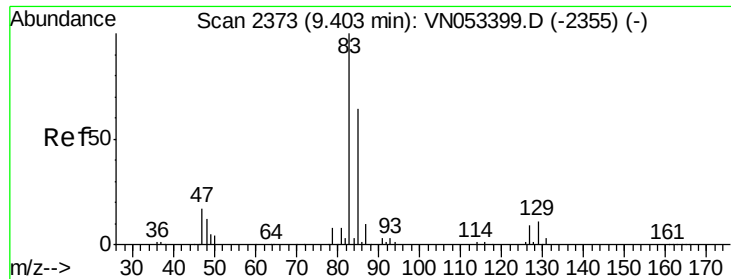
Ion Ratio Lower Upper

93 100

95 84.0 67.3 100.9

174 115.5 91.0 136.4





#47

Bromodichloromethane

Concen: 52.757 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

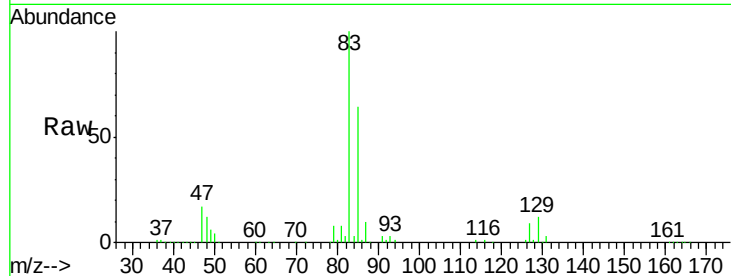
Tot Ion: 83 Resp: 514831

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.6

127 9.1 7.0 10.6

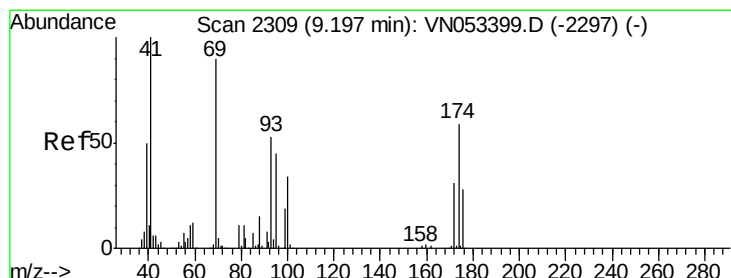
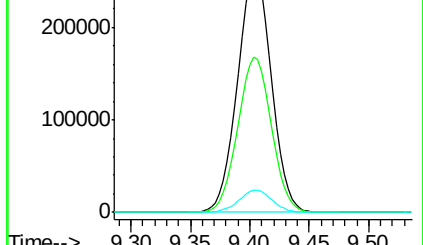
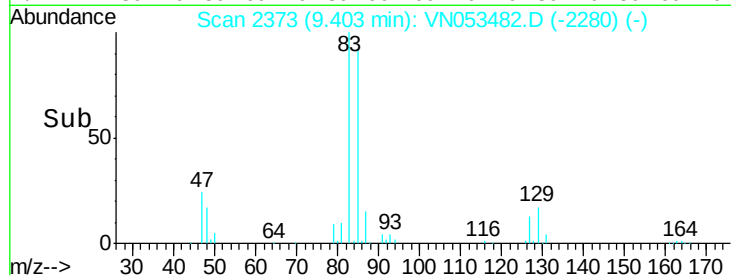


Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053399.D (-2355) (-)

Time-->



#48

Methyl methacrylate

Concen: 58.614 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

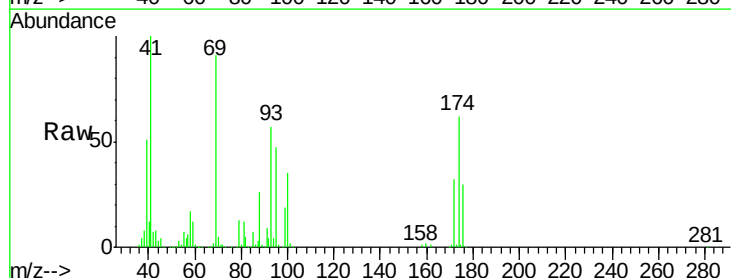
Tgt Ion: 41 Resp: 314163

Ion Ratio Lower Upper

41 100

69 93.8 73.8 110.6

39 51.6 40.0 60.0

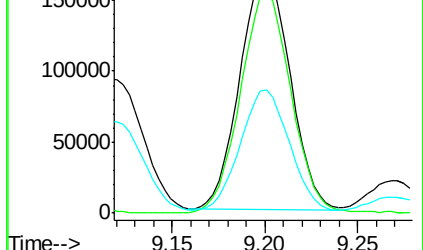
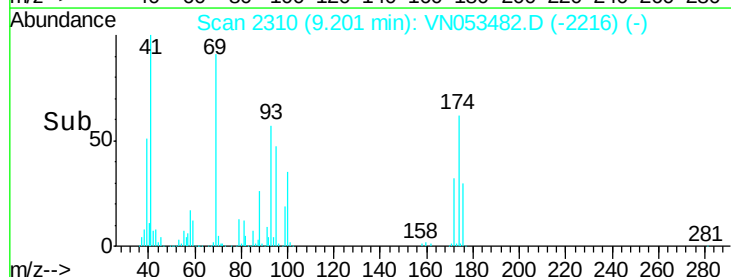


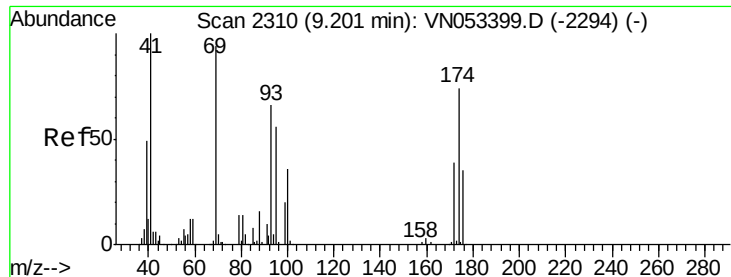
Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2297) (-)

Time-->

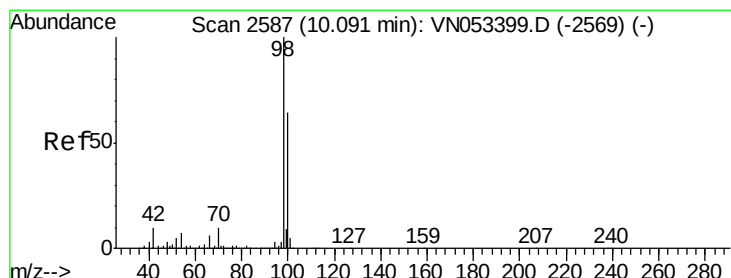
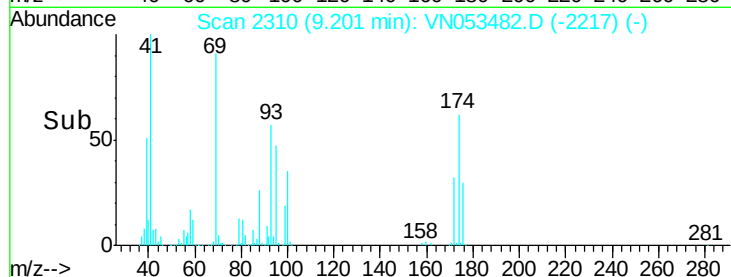
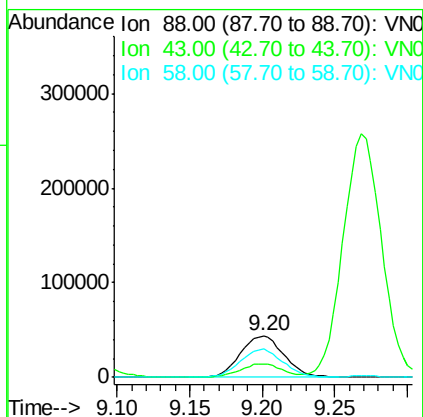
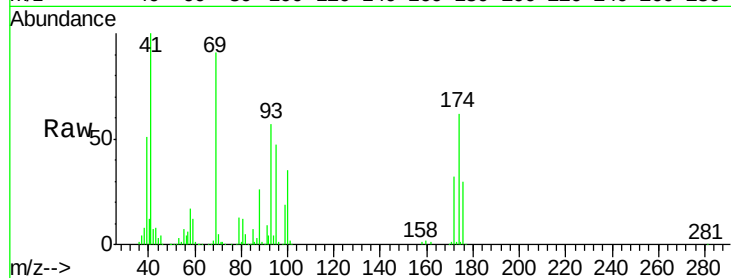




#49
1,4-Dioxane
Concen: 1755.169 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

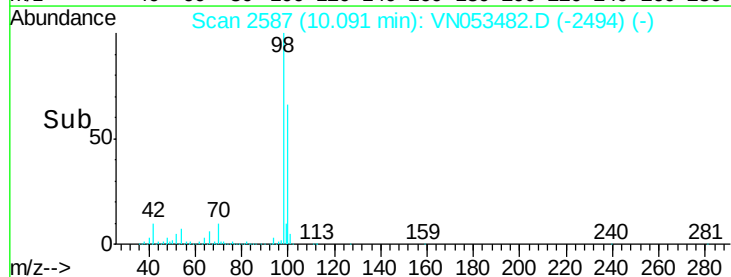
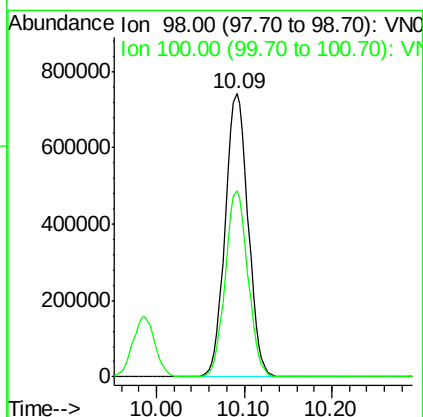
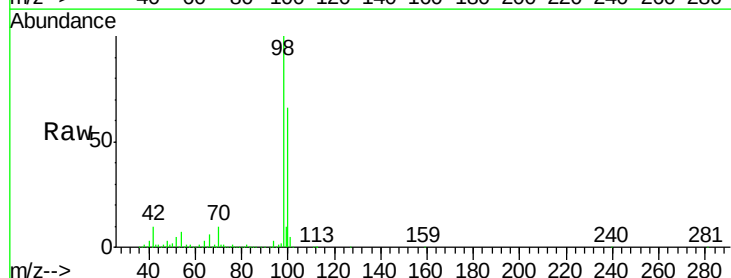
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

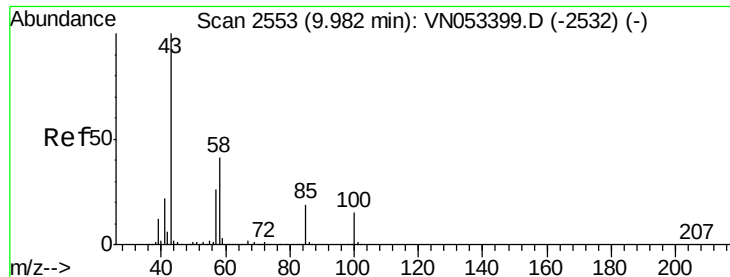
Tot Ion: 88 Resp: 91875
Ion Ratio Lower Upper
88 100
43 29.2 27.8 41.6
58 66.9 56.5 84.7



#50
Toluene-d8
Concen: 1755.169 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 98 Resp: 1348672
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

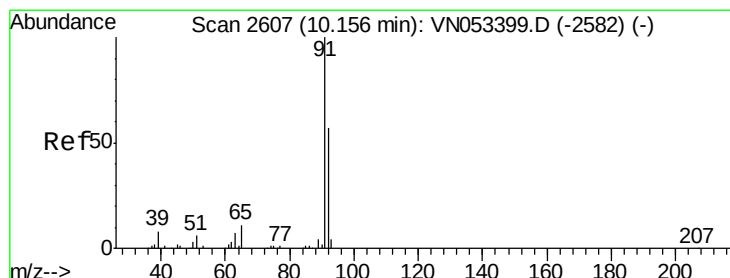
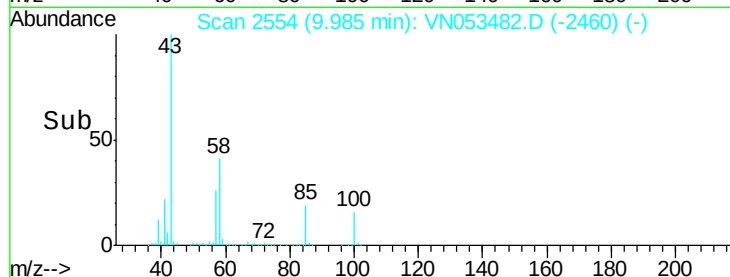
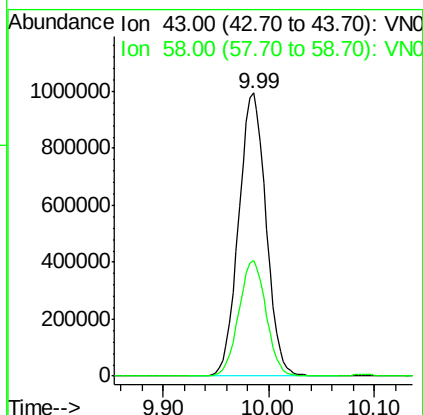
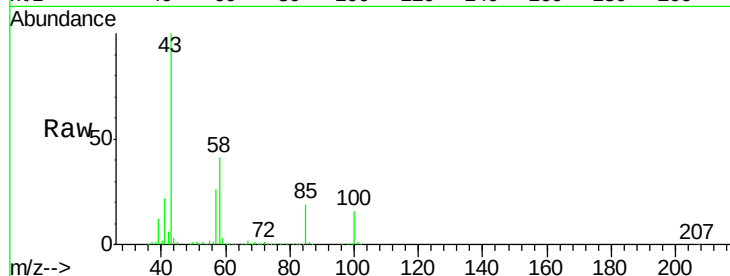




#51
 4-Methyl-2-Pentanone
 Concen: 316.049 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

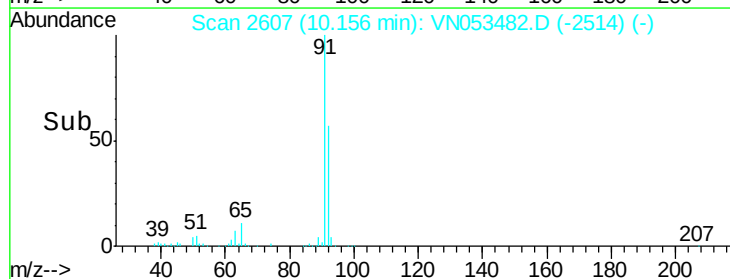
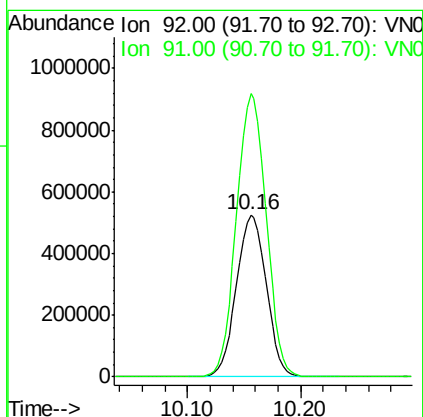
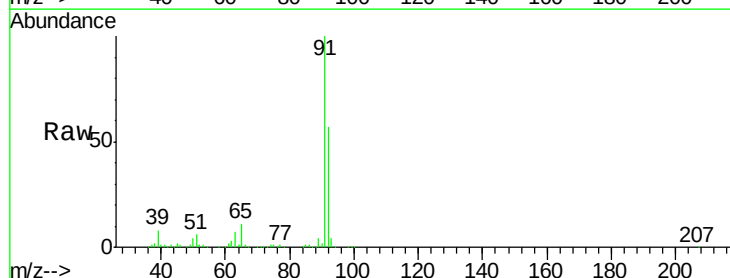
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

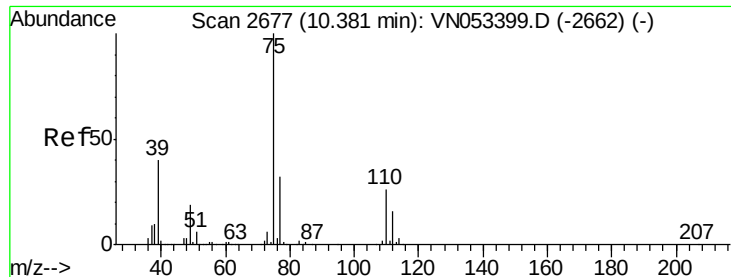
Tot Ion: 43 Resp: 1790984
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2



#52
 Toluene
 Concen: 51.112 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion: 92 Resp: 967582
 Ion Ratio Lower Upper
 92 100
 91 174.7 139.9 209.9

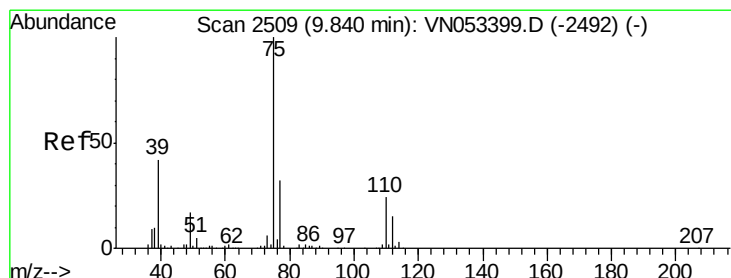
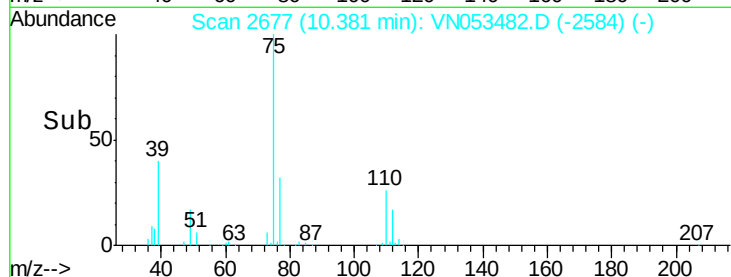
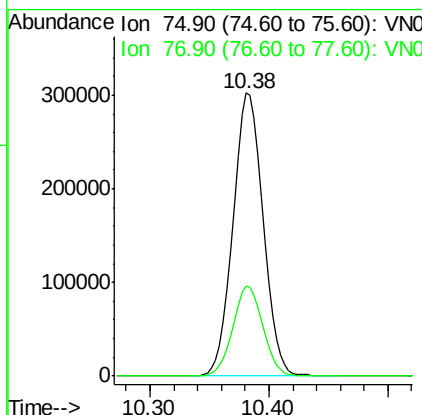
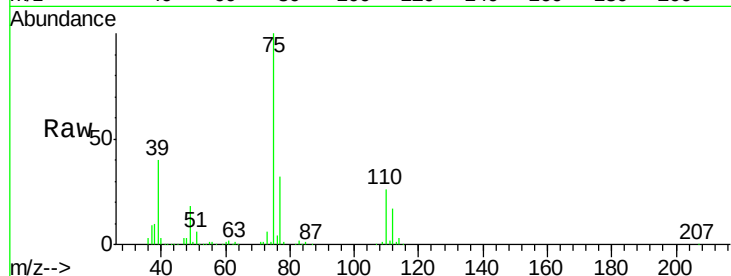




#53
t-1,3-Dichloropropene
Concen: 53.654 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

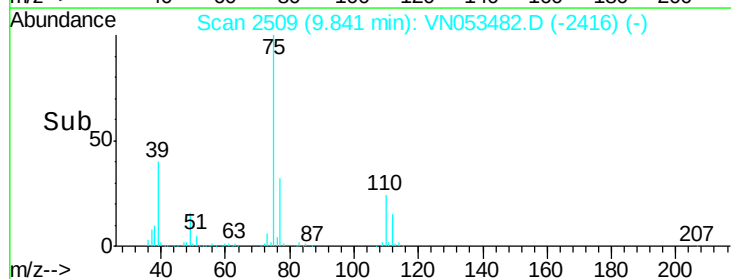
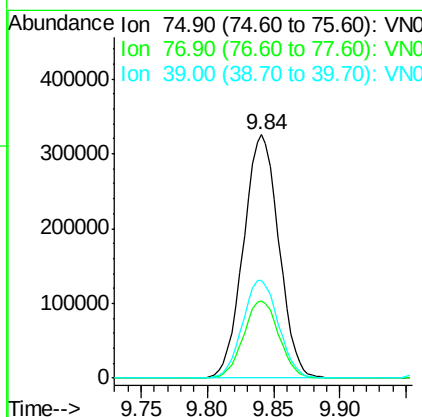
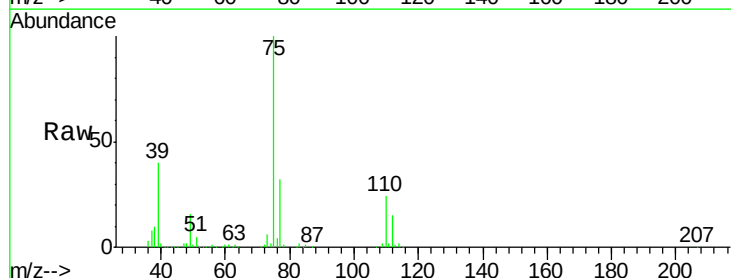
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

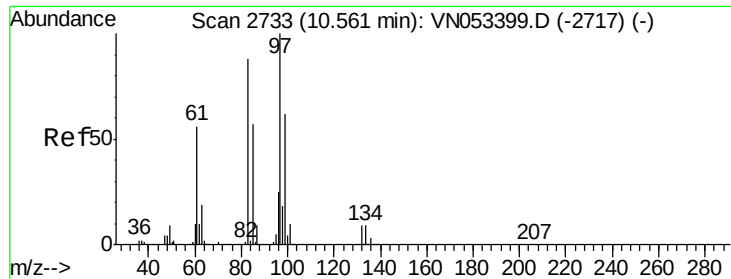
Tot Ion: 75 Resp: 530703
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 52.014 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion: 75 Resp: 603109
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 40.4 33.4 50.0

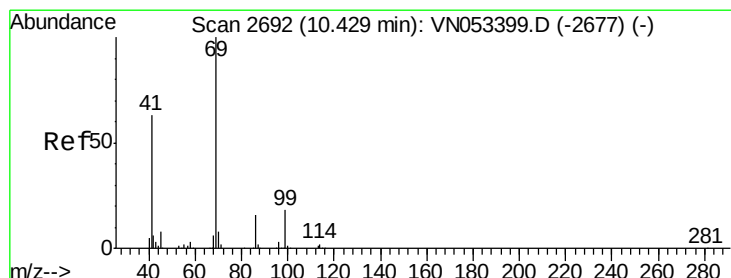
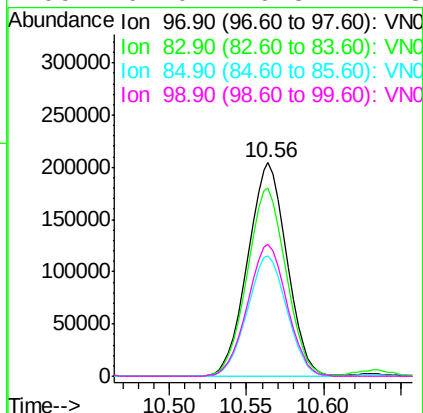
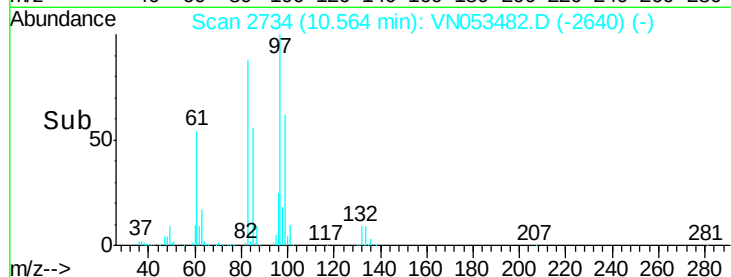
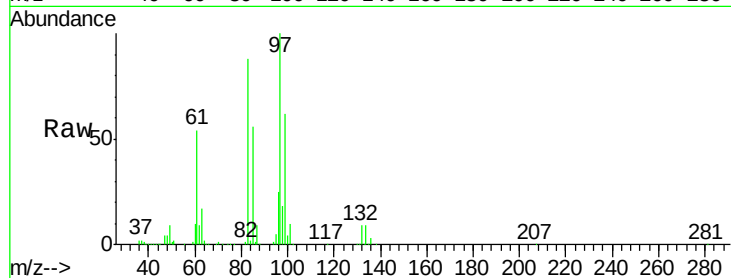




#55
 1,1,2-Trichloroethane
 Concen: 55.212 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

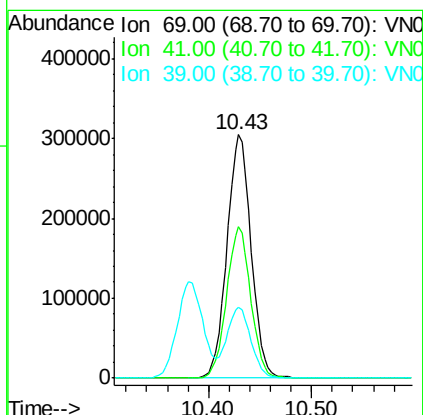
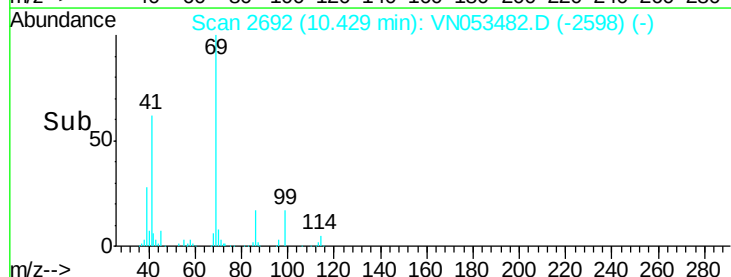
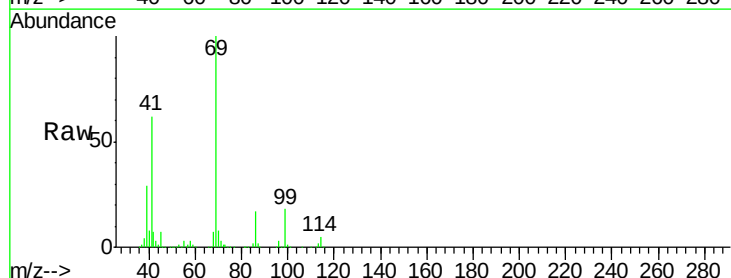
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

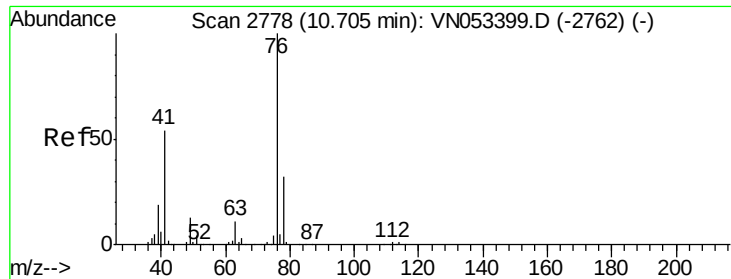
Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.1	105.1
85	56.4	45.4	68.0
99	62.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.607 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.0
39	29.1	23.3	34.9





#57

1,3-Dichloropropane

Concen: 54.585 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

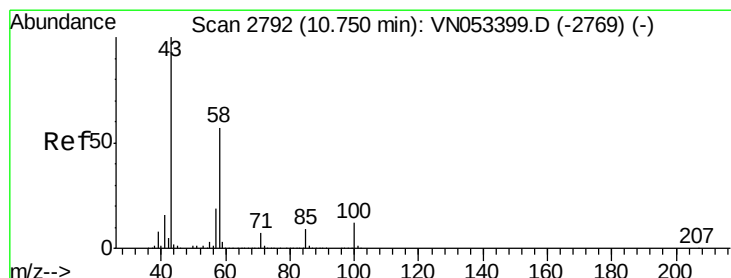
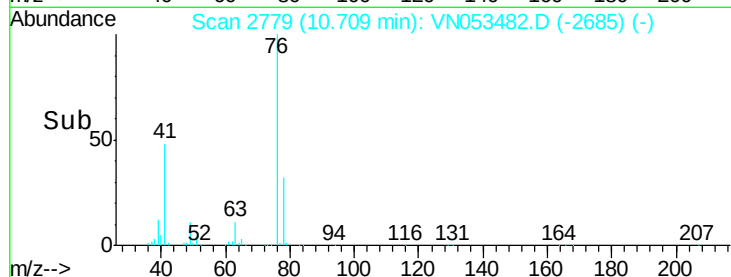
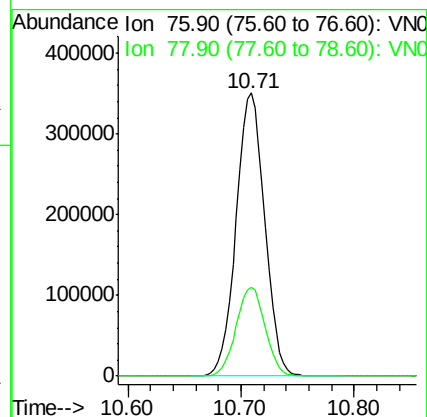
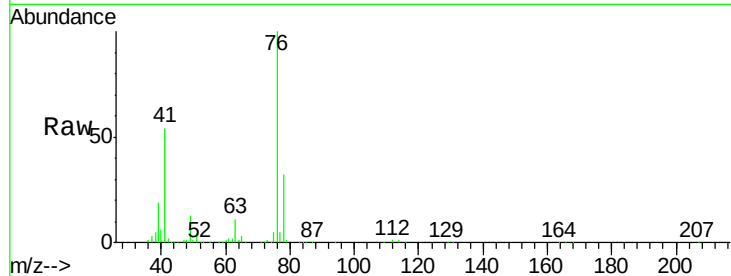
SA-TW521-2327MSD

Tot Ion: 76 Resp: 616286

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#59

2-Hexanone

Concen: 313.649 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053482.D

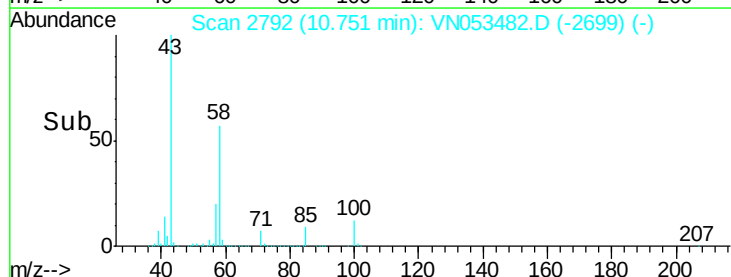
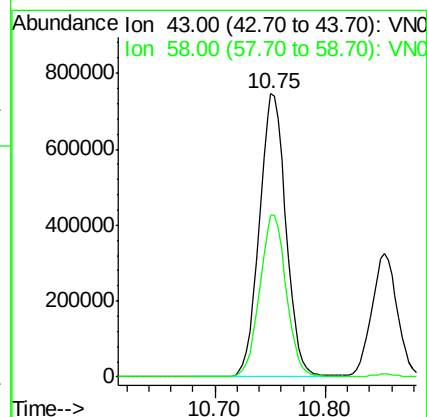
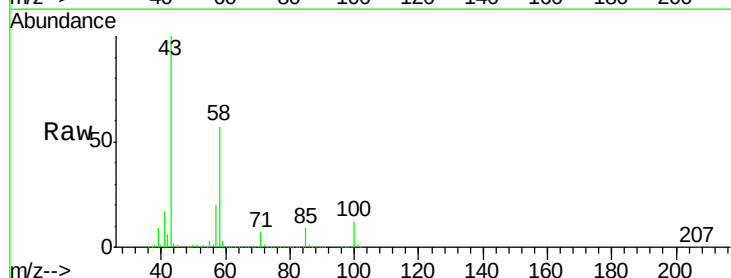
Acq: 18 Jan 2019 19:44

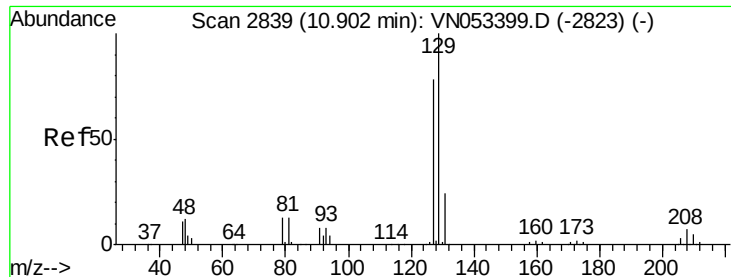
Tgt Ion: 43 Resp: 1247705

Ion Ratio Lower Upper

43 100

58 57.0 28.6 85.8





#60

Dibromochloromethane

Concen: 54.928 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

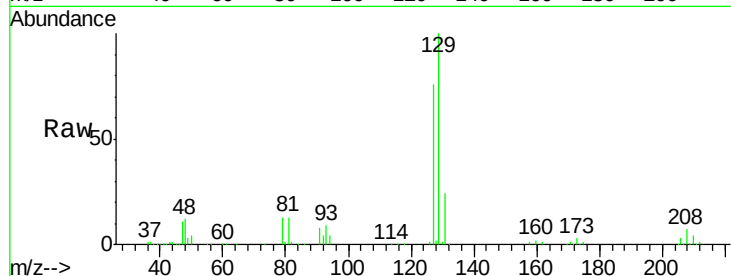
SA-TW521-2327MSD

Tot Ion:129 Resp: 406609

Ion Ratio Lower Upper

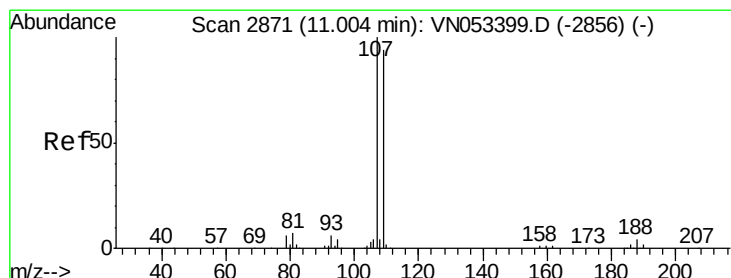
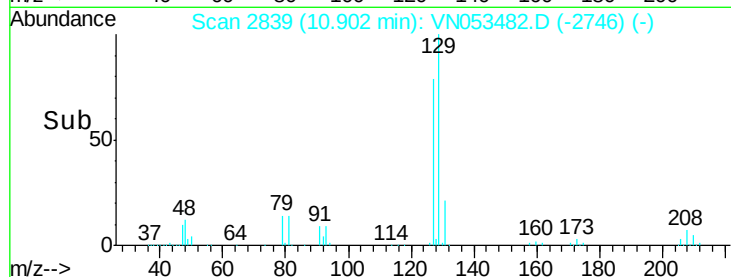
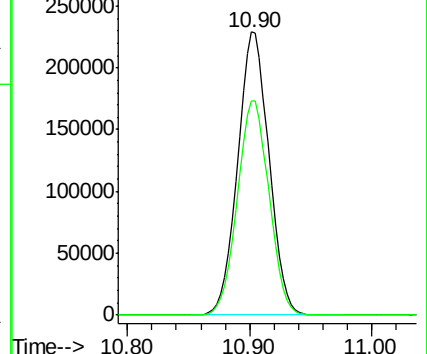
129 100

127 76.8 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 55.950 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053482.D

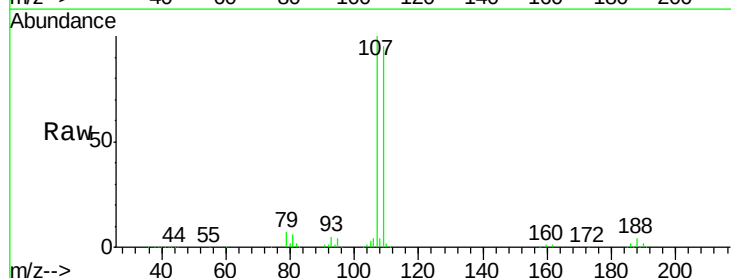
Acq: 18 Jan 2019 19:44

Tgt Ion:107 Resp: 369311

Ion Ratio Lower Upper

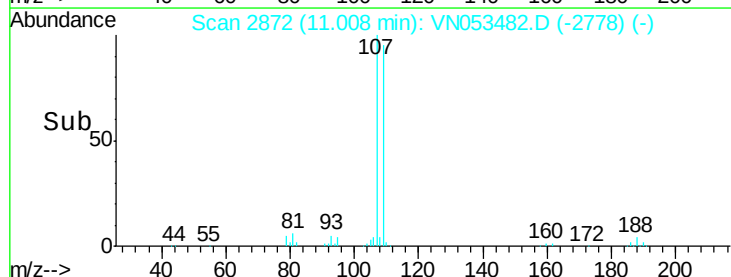
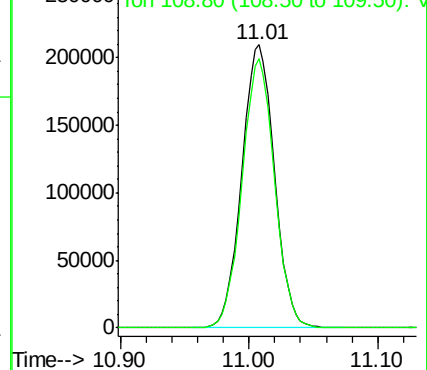
107 100

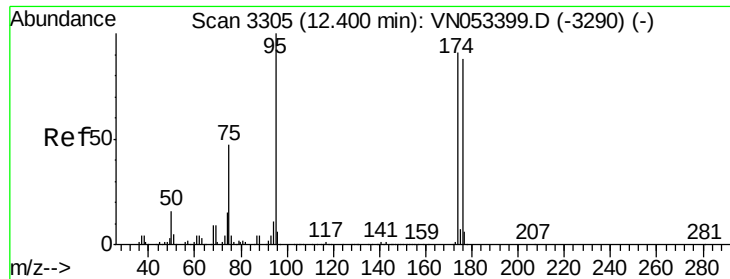
109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 55.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

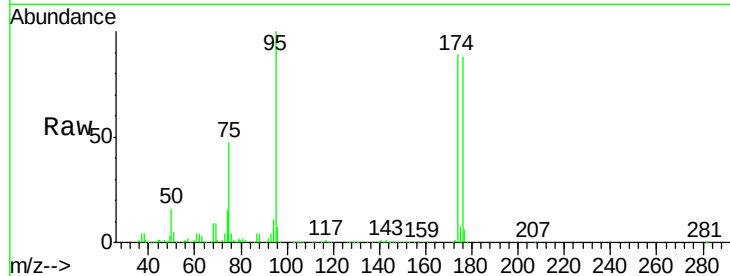
Tot Ion: 95 Resp: 479536

Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.2

176 89.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)

12.40

300000

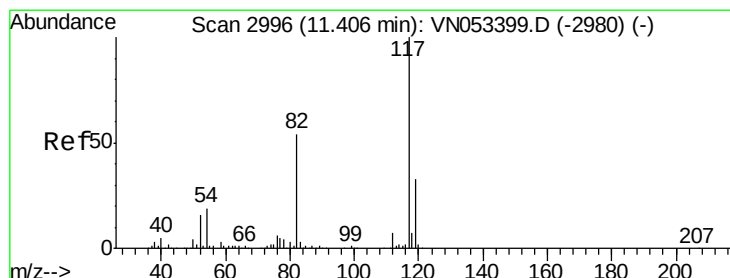
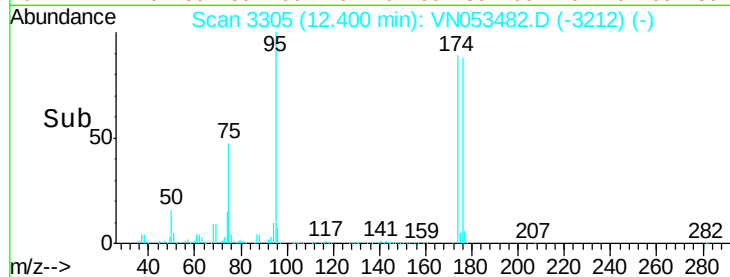
200000

100000

0

Time-->

12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

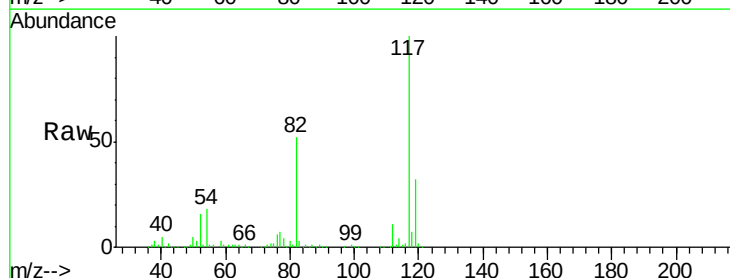
Tgt Ion: 117 Resp: 1006377

Ion Ratio Lower Upper

117 100

82 51.9 42.9 64.3

119 32.1 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

11.41

800000

600000

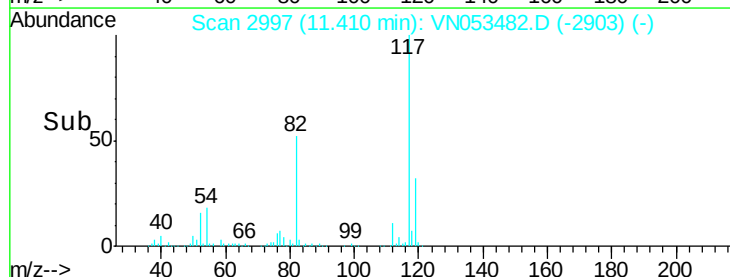
400000

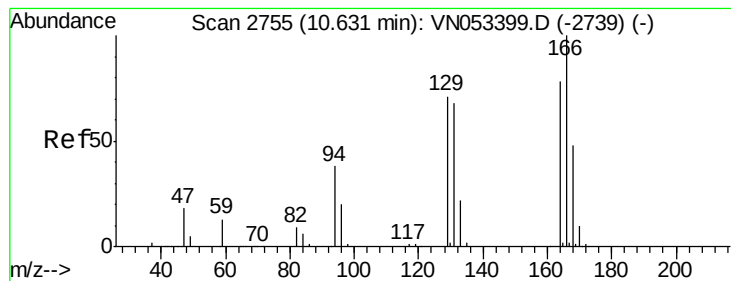
200000

0

Time-->

11.35 11.40 11.45





#64

Tetrachloroethene

Concen: 47.546 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion:164 Resp: 450923

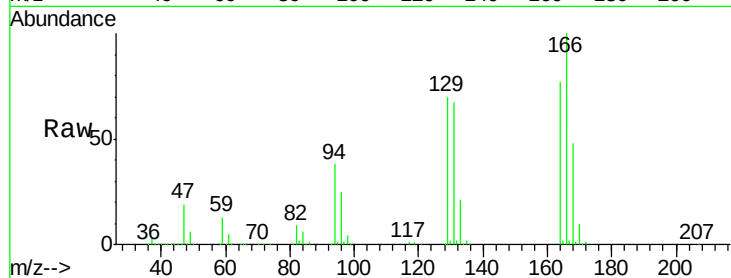
Ion Ratio Lower Upper

164 100

166 129.2 102.2 153.4

129 90.4 72.6 109.0

131 86.6 69.5 104.3

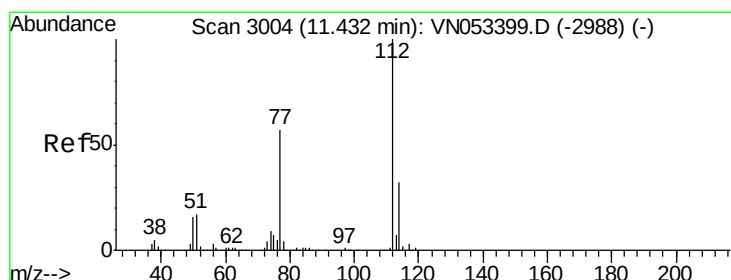
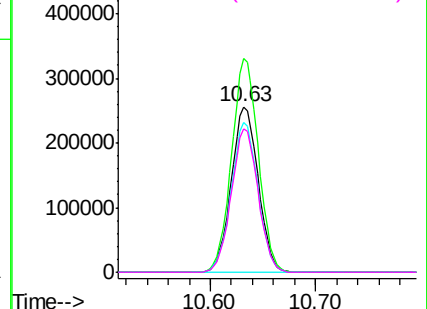
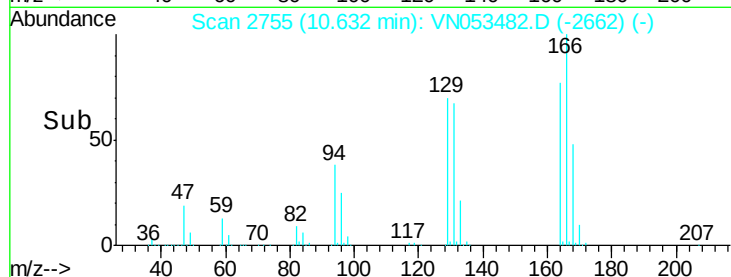


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.792 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053482.D

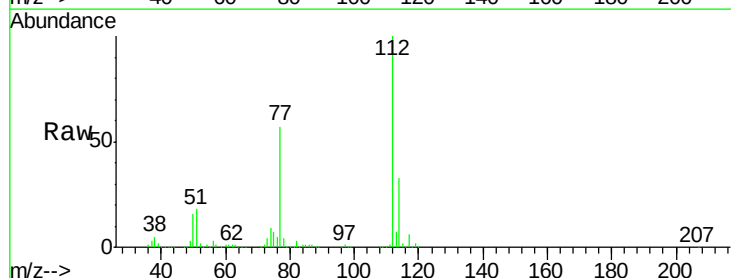
Acq: 18 Jan 2019 19:44

Tgt Ion:112 Resp: 1081950

Ion Ratio Lower Upper

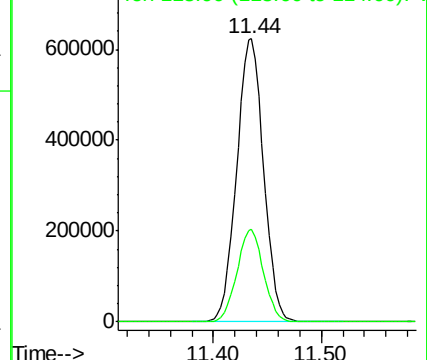
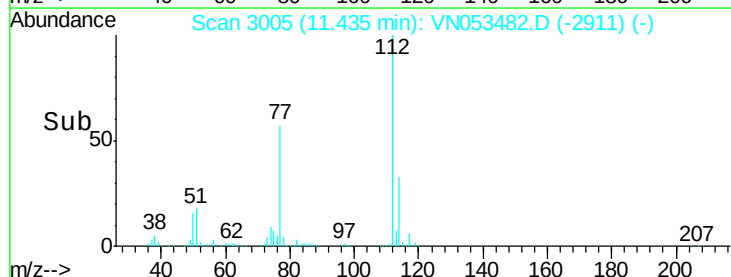
112 100

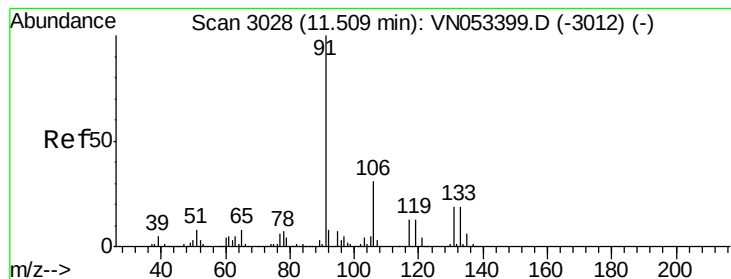
114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.434 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

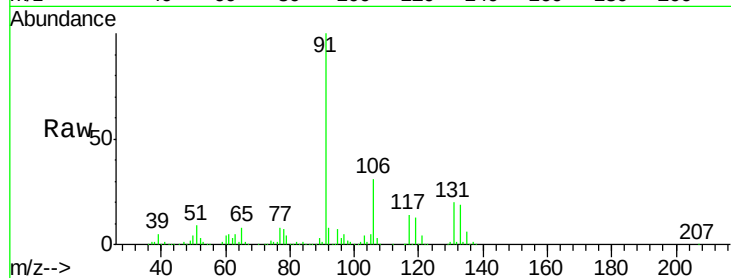
Tot Ion:131 Resp: 388567

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

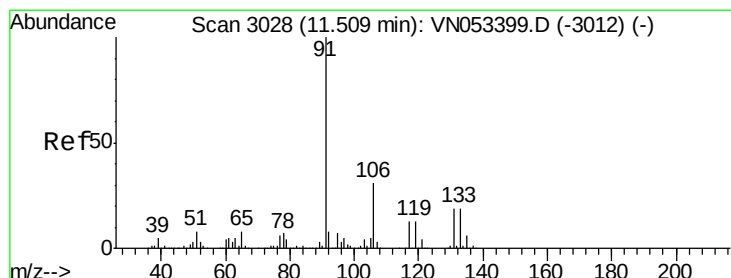
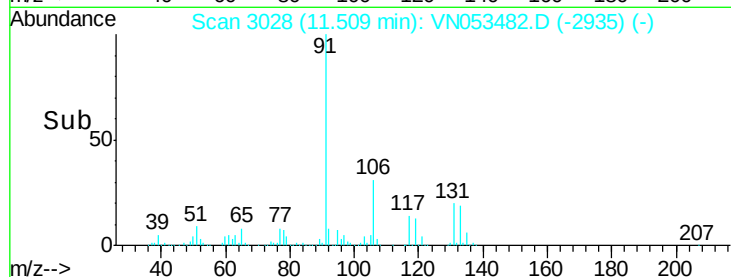
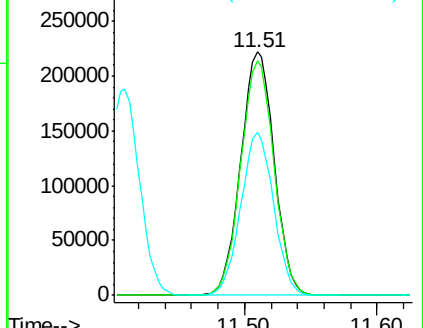
119 65.6 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.437 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053482.D

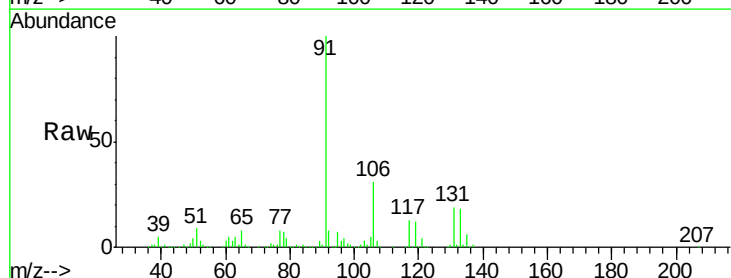
Acq: 18 Jan 2019 19:44

Tgt Ion: 91 Resp: 1867331

Ion Ratio Lower Upper

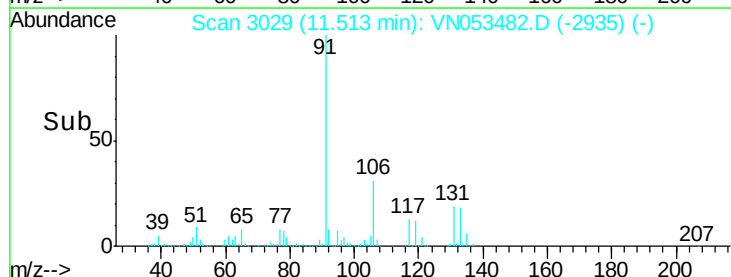
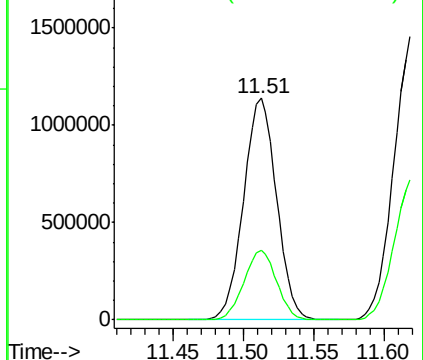
91 100

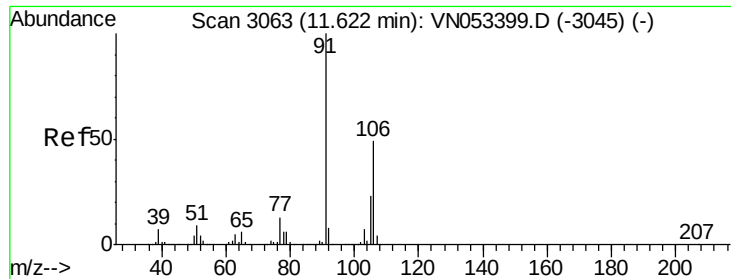
106 31.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

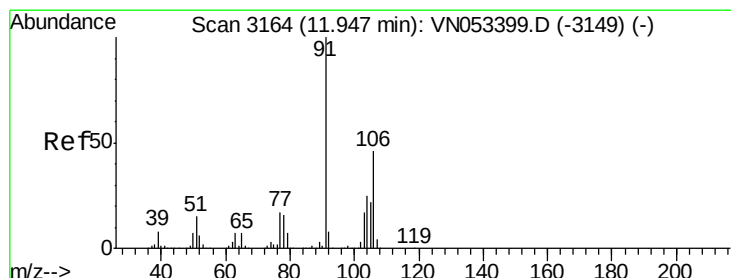
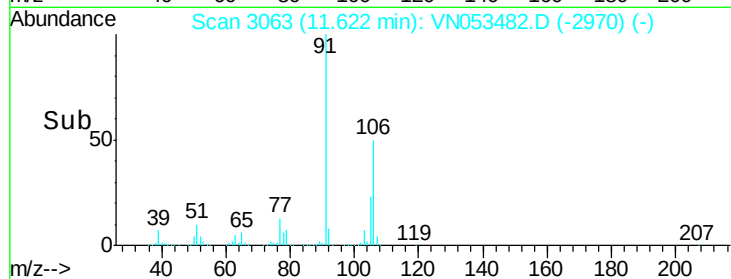
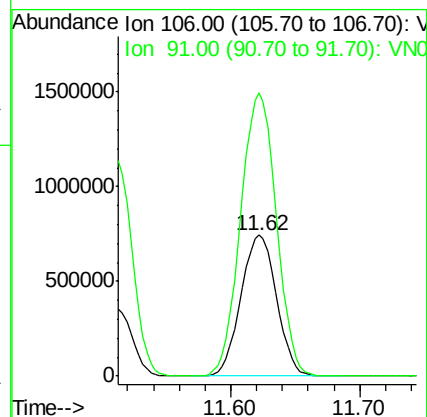
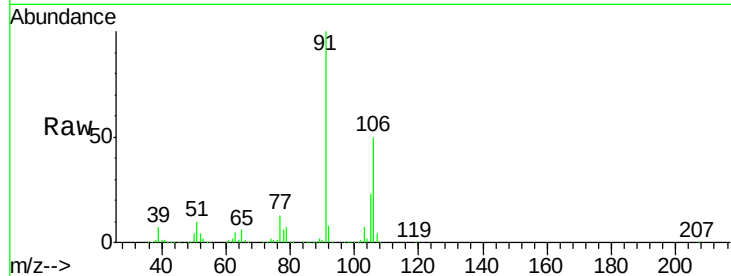




#68
m/p-Xylenes
Concen: 104.272 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

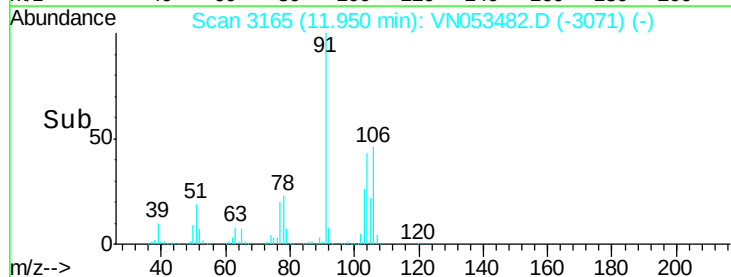
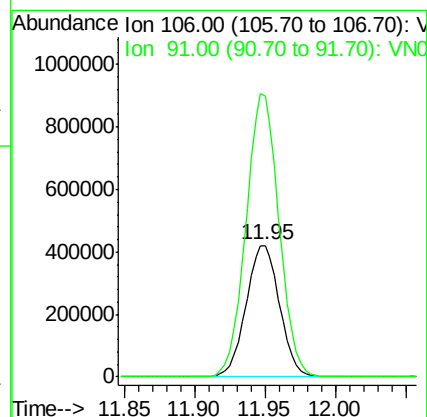
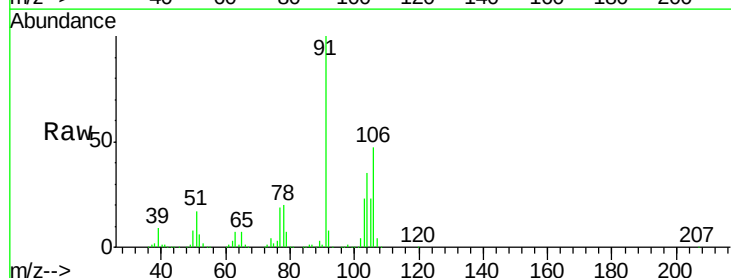
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

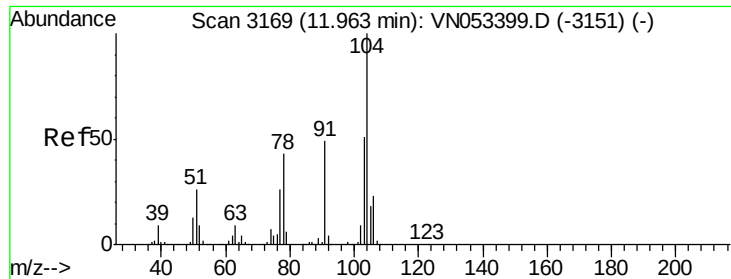
Tot Ion:106 Resp: 1429206
Ion Ratio Lower Upper
106 100
91 201.2 161.4 242.2



#69
o-Xylene
Concen: 52.482 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion:106 Resp: 698985
Ion Ratio Lower Upper
106 100
91 212.5 106.9 320.8





#70

Stvrene

Concen: 53.548 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

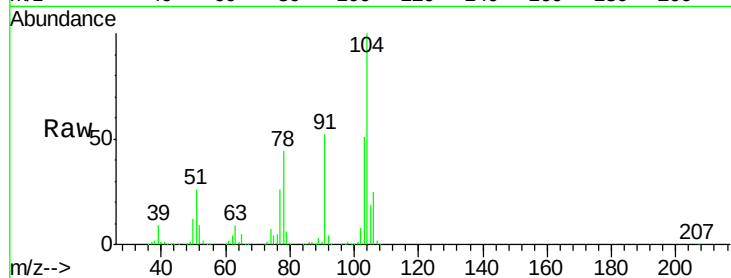
Tot Ion:104 Resp: 1157464

Ion Ratio Lower Upper

104 100

78 47.7 38.2 57.2

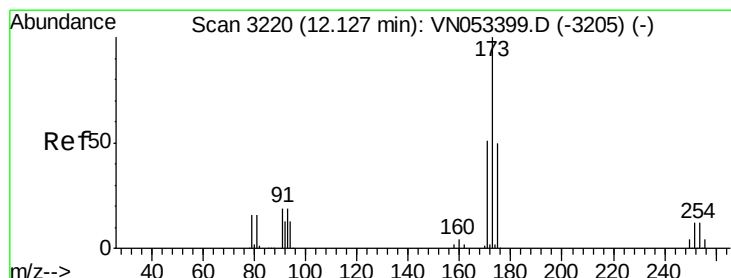
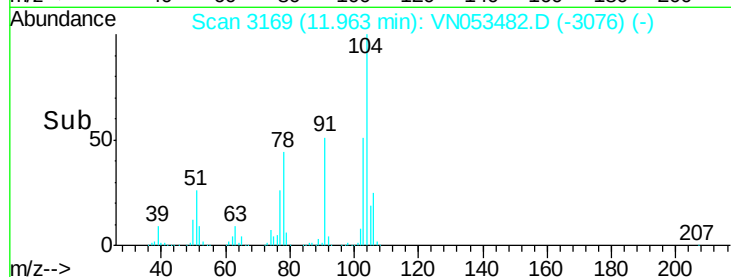
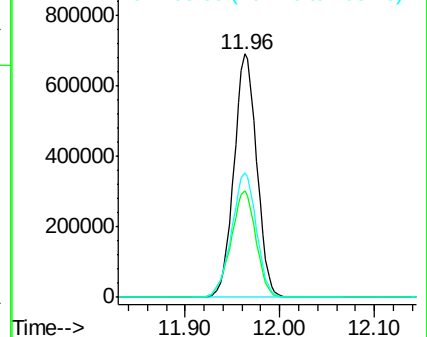
103 55.6 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 57.891 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

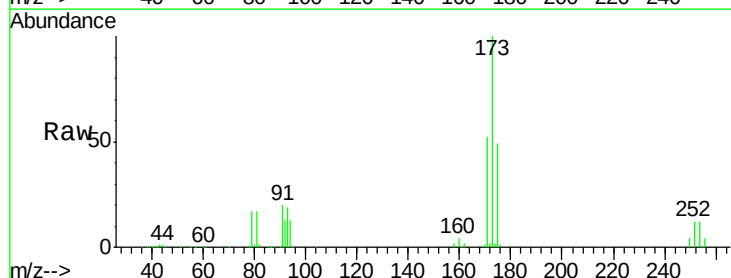
Tgt Ion:173 Resp: 295346

Ion Ratio Lower Upper

173 100

175 49.7 24.6 74.0

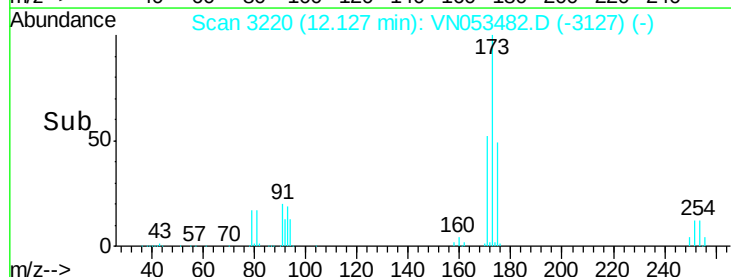
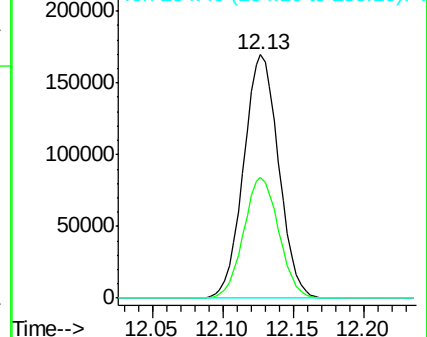
254 0.2 0.2 0.2

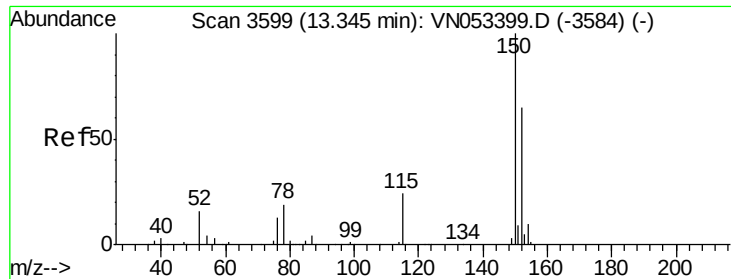


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



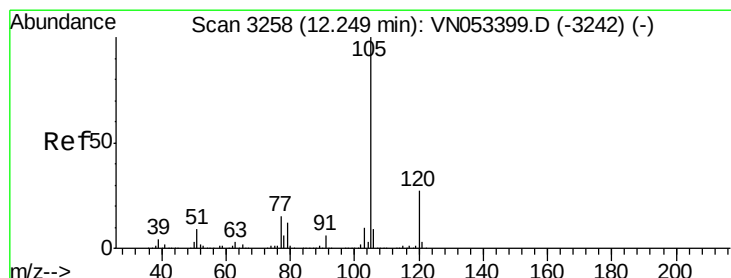
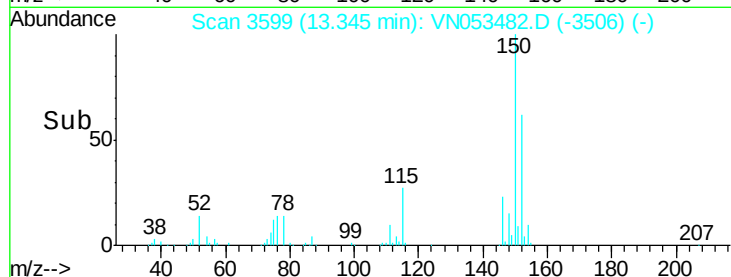
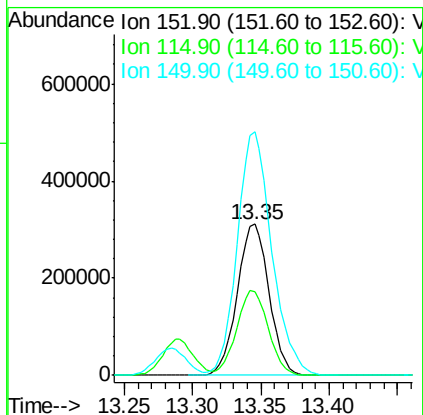
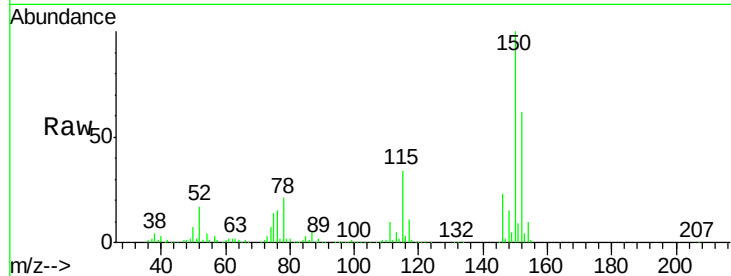


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MSD

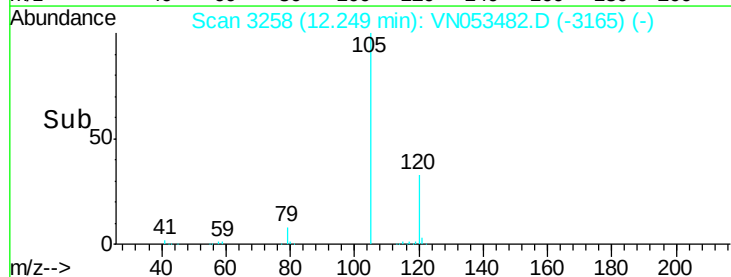
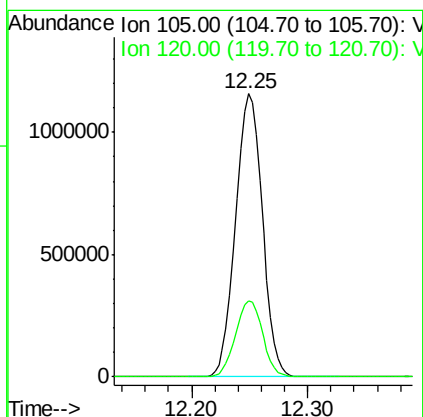
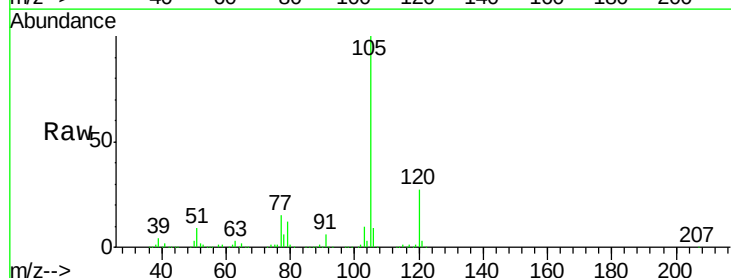
Tot Ion:152 Resp: 502164
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 175.4 0.0 349.0

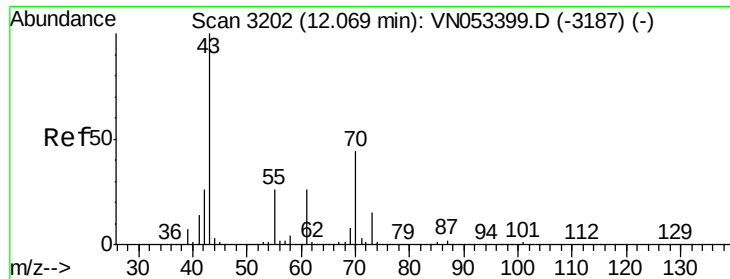


#73

Isopropylbenzene
Concen: 50.243 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053482.D
Acq: 18 Jan 2019 19:44

Tgt Ion:105 Resp: 1847619
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7





#74

N-amyl acetate

Concen: 57.223 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

Tot Ion: 43 Resp: 560962

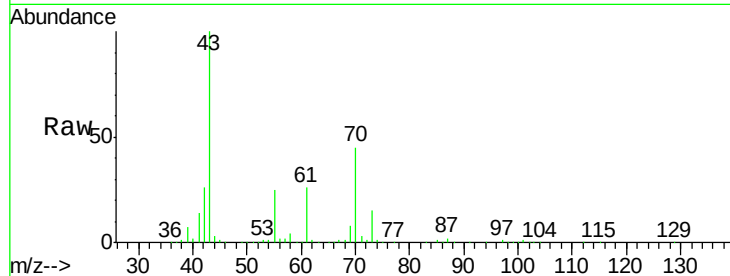
Ion Ratio Lower Upper

43 100

70 44.9 35.4 53.2

55 25.7 20.9 31.3

61 25.7 20.5 30.7

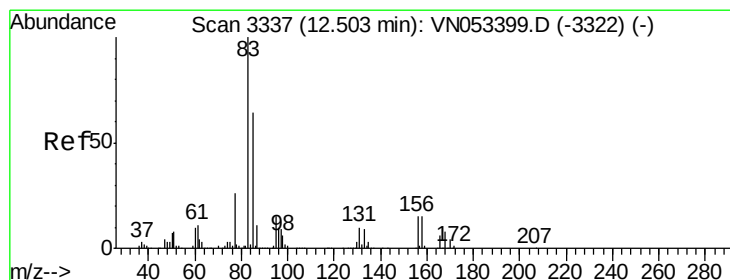
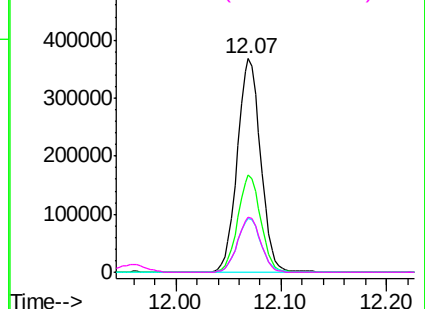
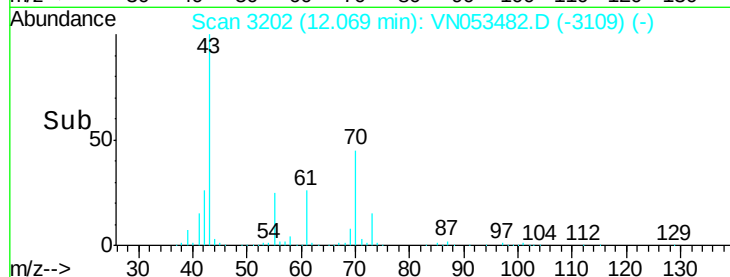


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 56.851 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

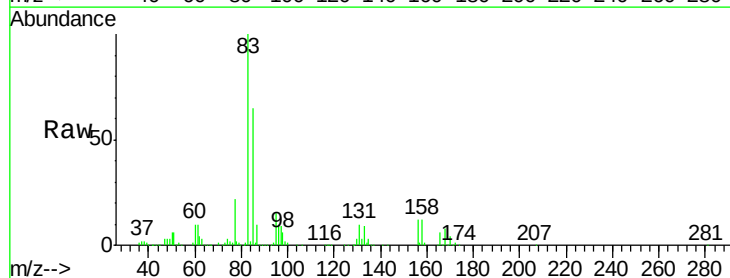
Tgt Ion: 83 Resp: 438461

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

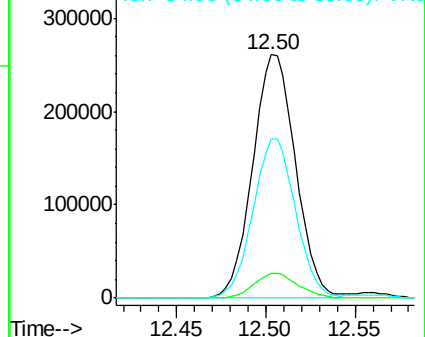
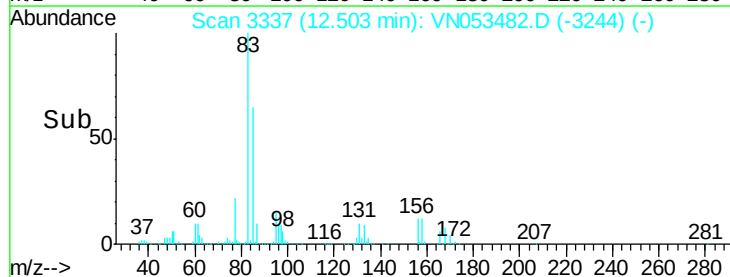
85 64.9 32.1 96.3

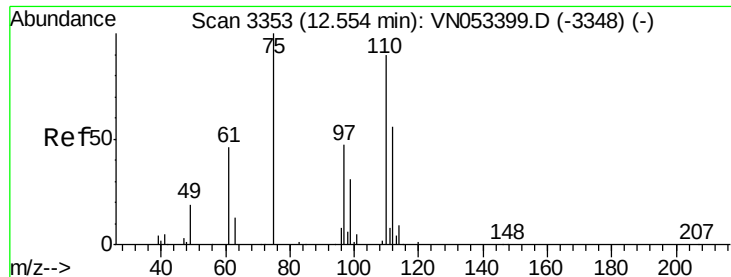


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 89.916 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

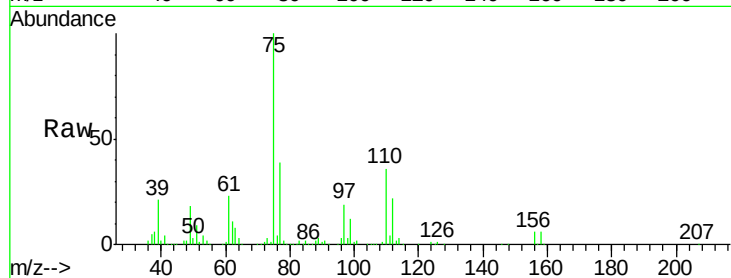
SA-TW521-2327MSD

Tot Ion: 75 Resp: 595023

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

12.55

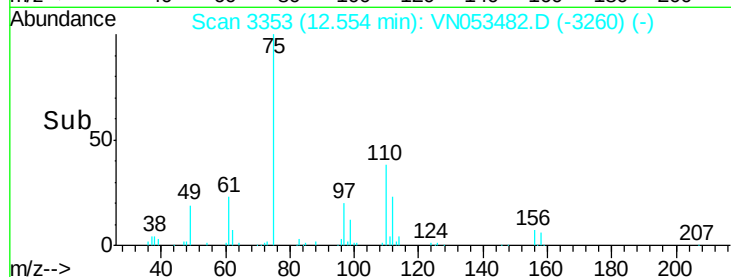
12.55

12.55

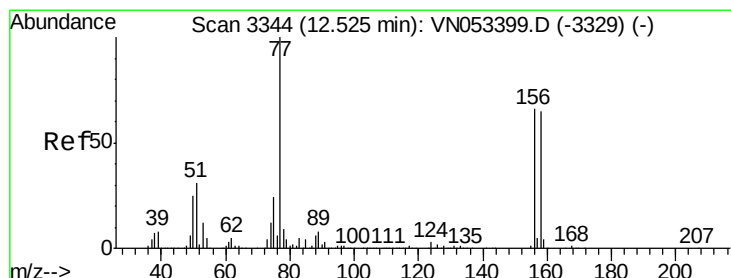
12.55

12.55

12.55



Time-->



#77

Bromobenzene

Concen: 50.725 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

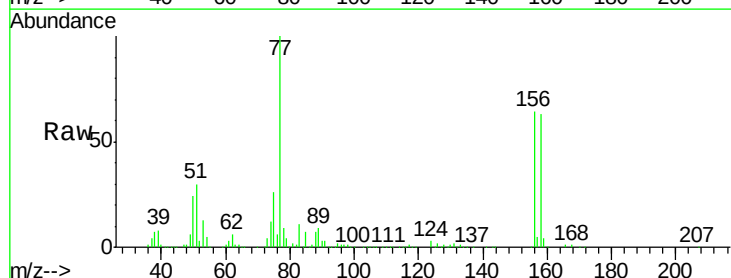
Tgt Ion: 156 Resp: 491527

Ion Ratio Lower Upper

156 100

77 179.9 87.9 263.8

158 97.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): VN053399.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN053399.D (-3329) (-)

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

12.53

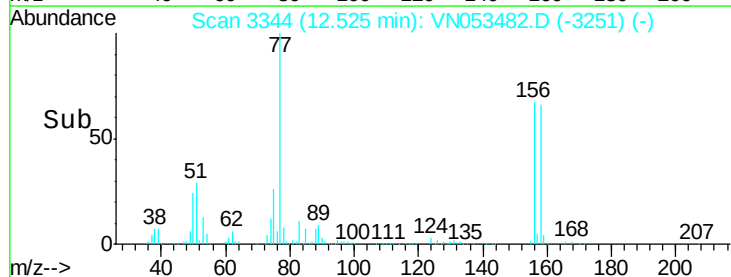
12.53

12.53

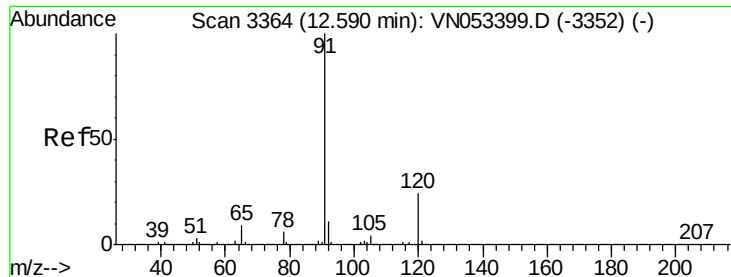
12.53

12.53

12.53



Time-->



#78

n-propylbenzene

Concen: 50.382 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

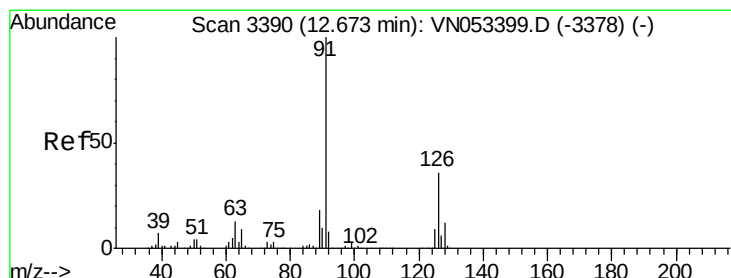
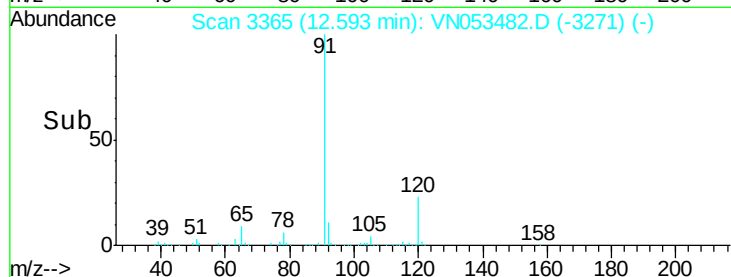
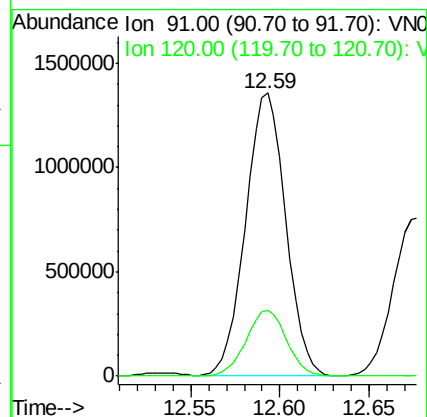
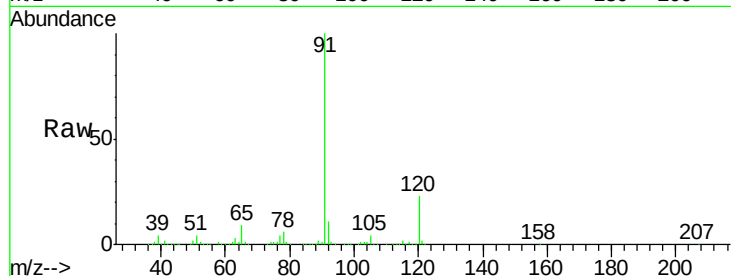
SA-TW521-2327MSD

Tot Ion: 91 Resp: 2126726

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.5



#79

2-Chlorotoluene

Concen: 50.102 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053482.D

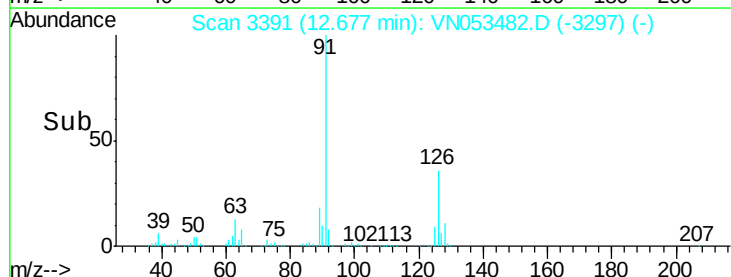
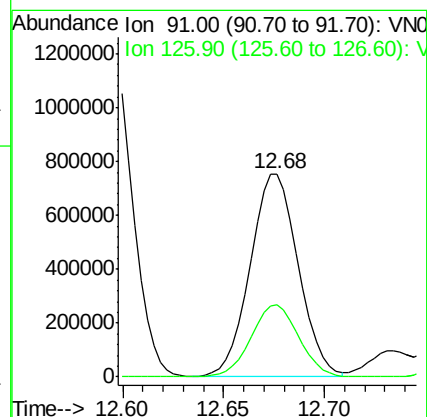
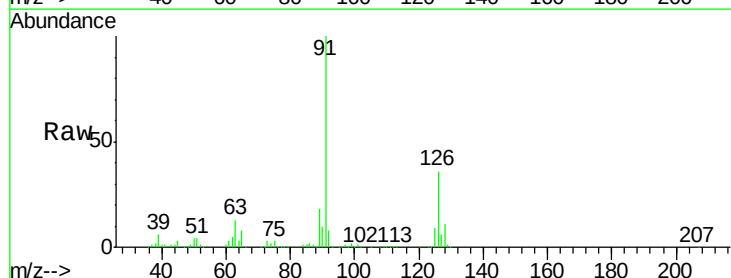
Acq: 18 Jan 2019 19:44

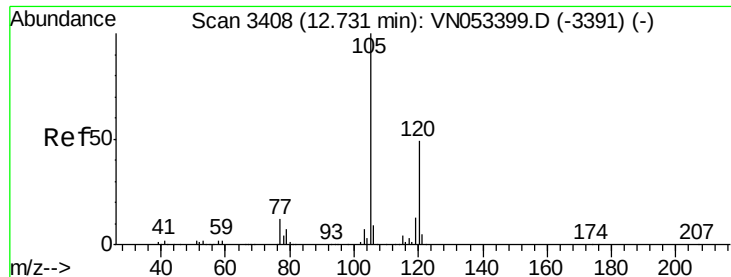
Tgt Ion: 91 Resp: 1253598

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7

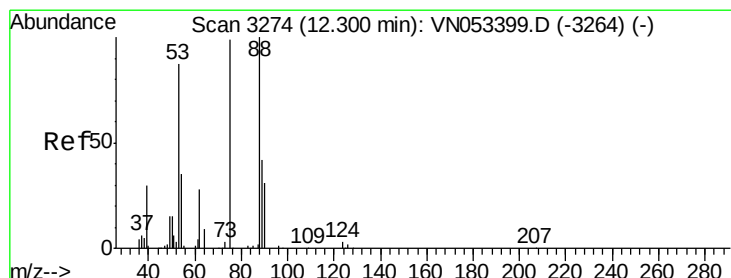
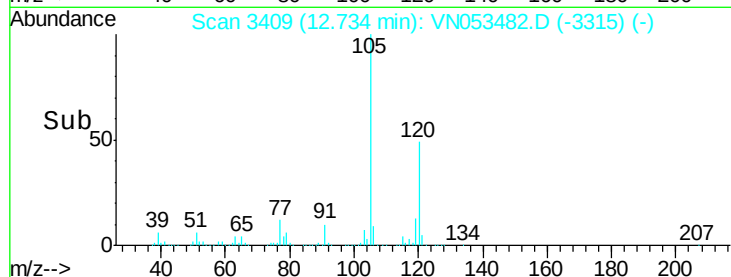
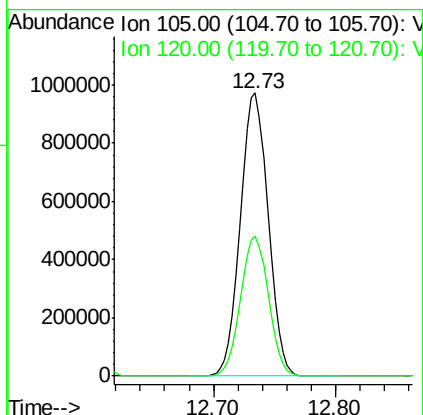
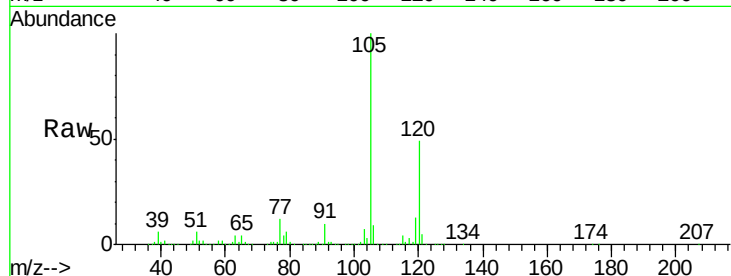




#80
 1,3,5-Trimethylbenzene
 Concen: 50.991 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

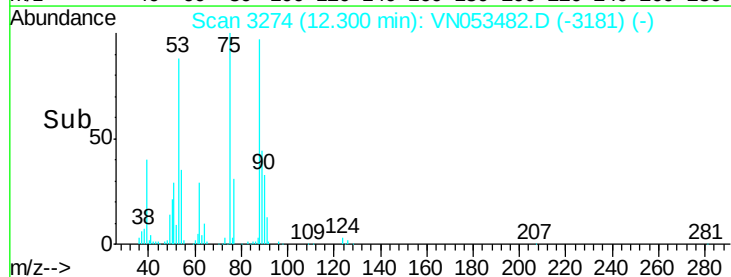
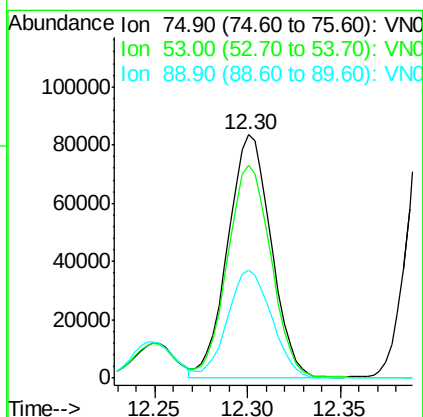
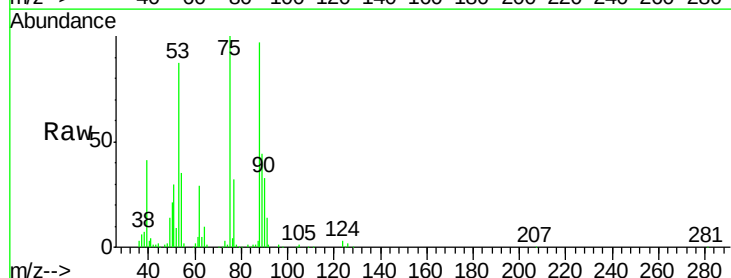
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

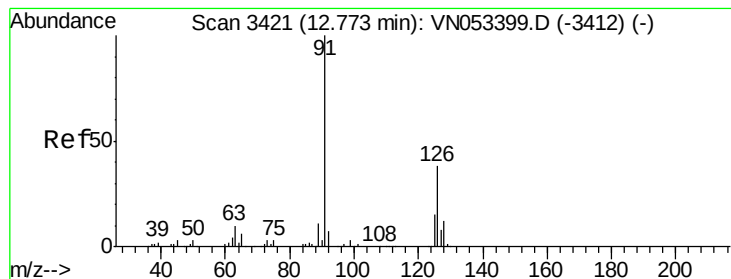
Tot Ion:105 Resp: 1525662
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.814 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion: 75 Resp: 135738
 Ion Ratio Lower Upper
 75 100
 53 87.8 69.8 104.6
 89 45.0 35.6 53.4





#82

4-Chlorotoluene

Concen: 50.388 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

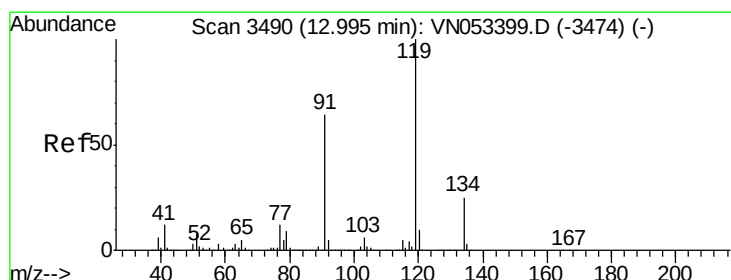
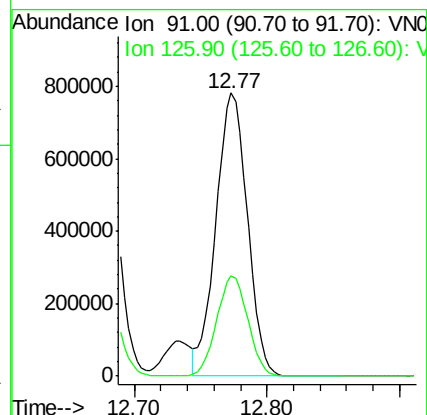
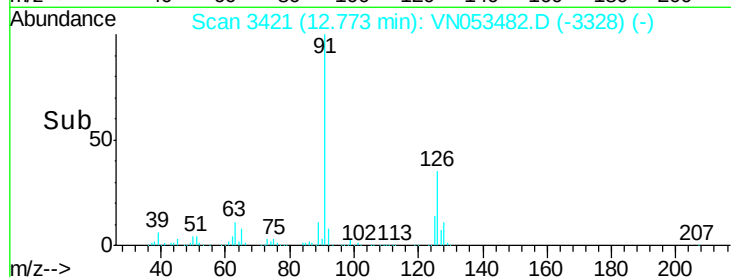
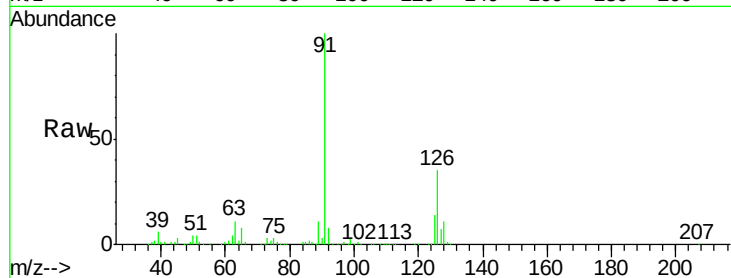
SA-TW521-2327MSD

Tot Ion: 91 Resp: 1285695

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.9



#83

tert-Butylbenzene

Concen: 51.092 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

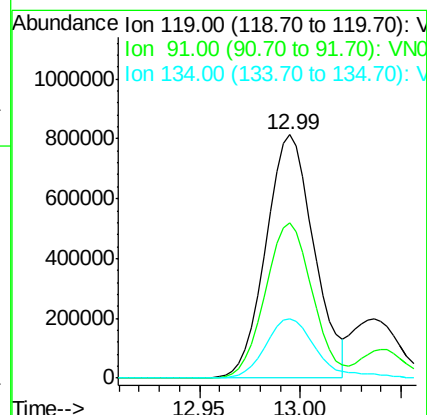
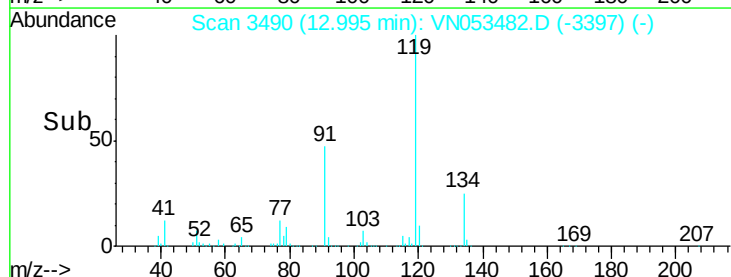
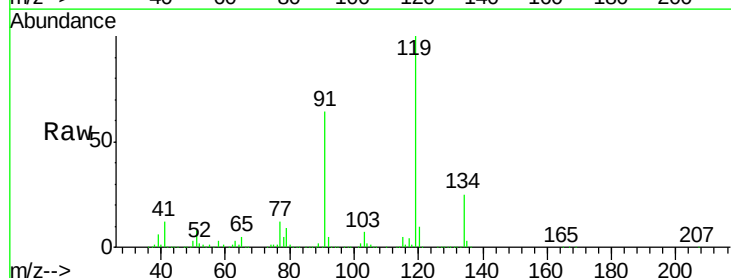
Tgt Ion: 119 Resp: 1350175

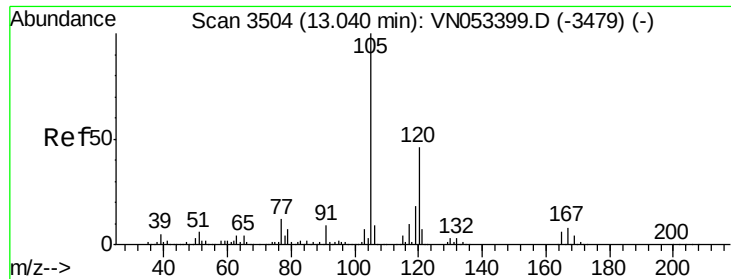
Ion Ratio Lower Upper

119 100

91 62.8 31.3 93.8

134 25.9 12.9 38.7

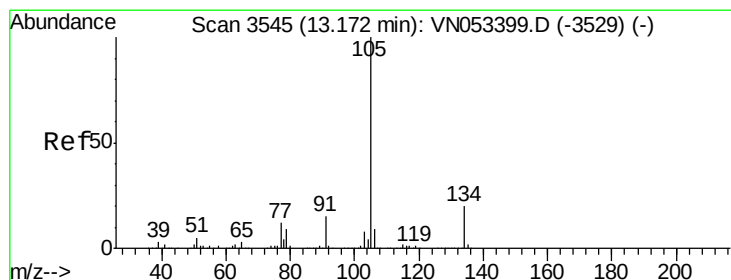
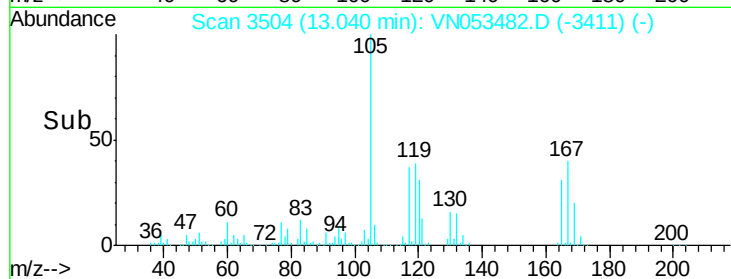
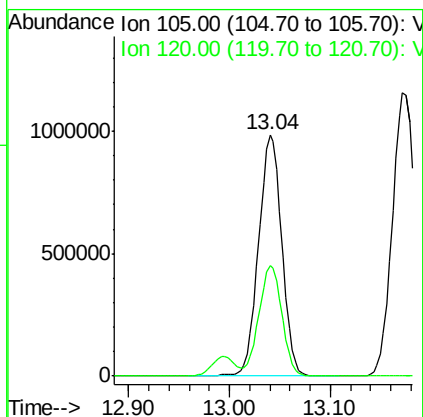
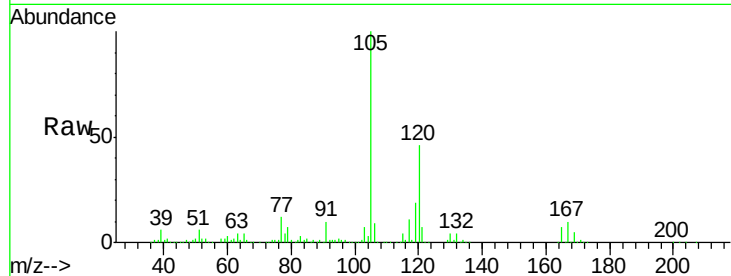




#84
 1,2,4-Trimethylbenzene
 Concen: 51.958 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

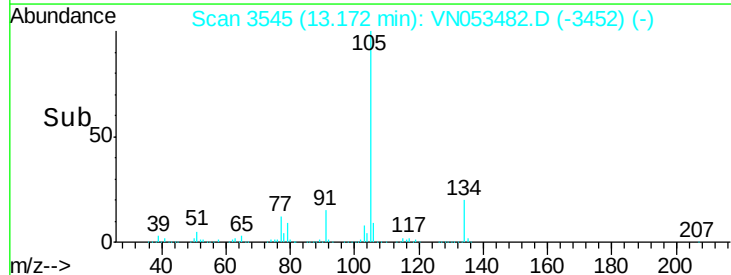
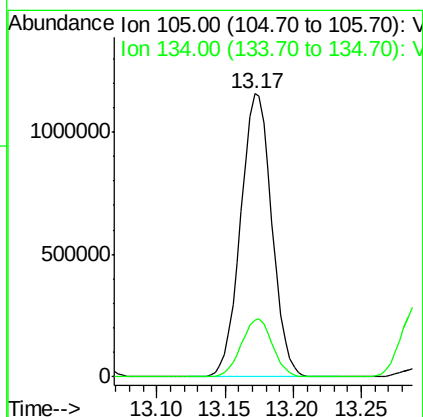
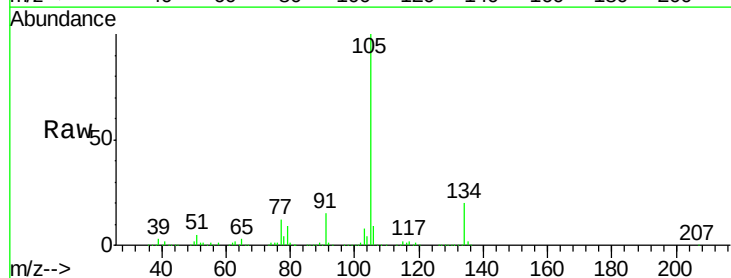
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

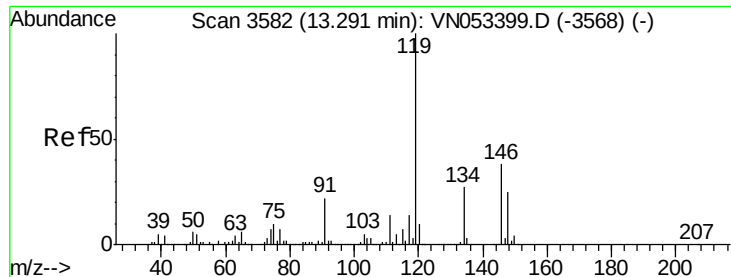
Tot Ion:105 Resp: 1567494
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 50.584 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion:105 Resp: 1833256
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.6





#86

p-Isopropyltoluene

Concen: 50.906 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

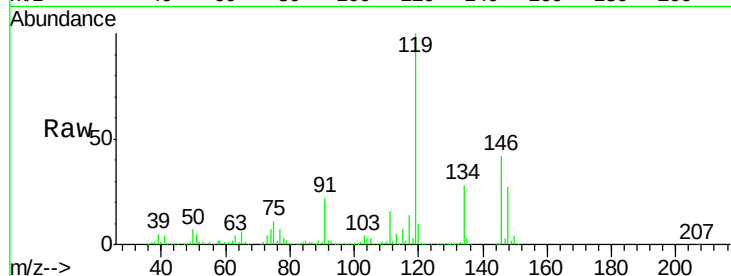
Tot Ion:119 Resp: 1601922

Ion Ratio Lower Upper

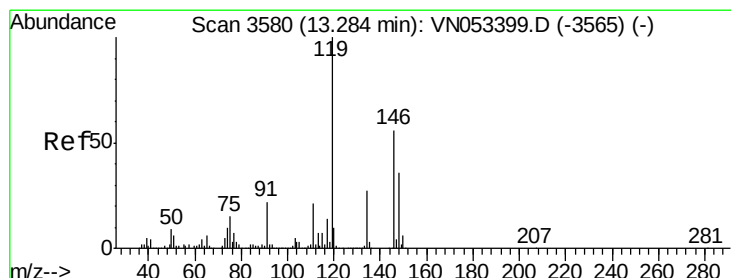
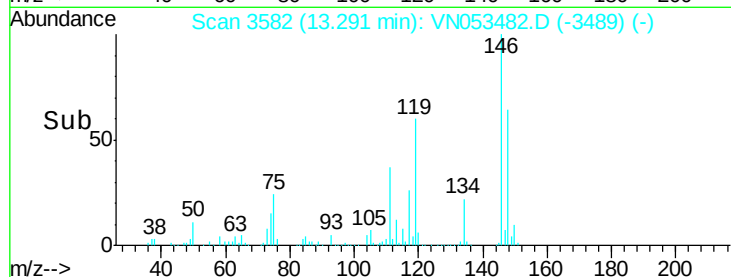
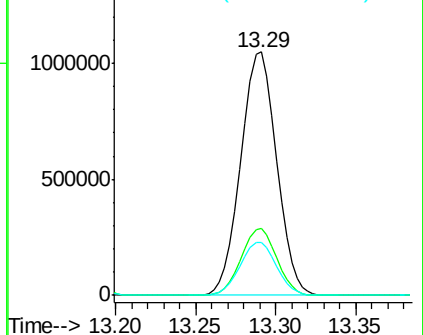
119 100

134 27.2 13.5 40.4

91 22.0 11.0 33.0



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: 51.220 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

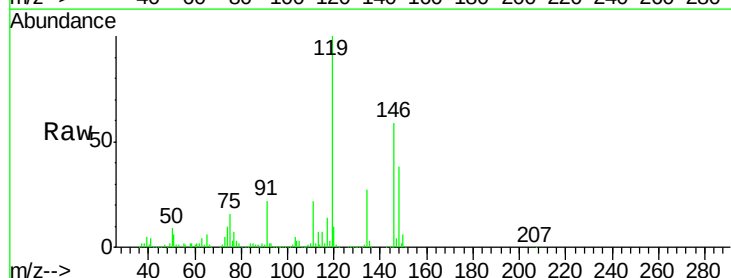
Tgt Ion:146 Resp: 873045

Ion Ratio Lower Upper

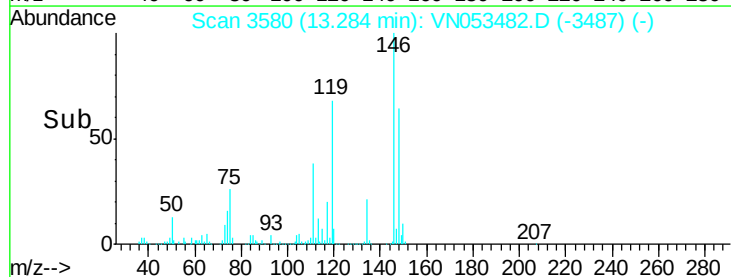
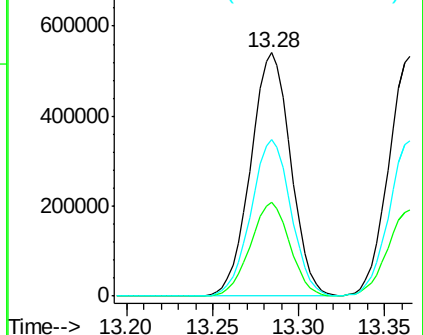
146 100

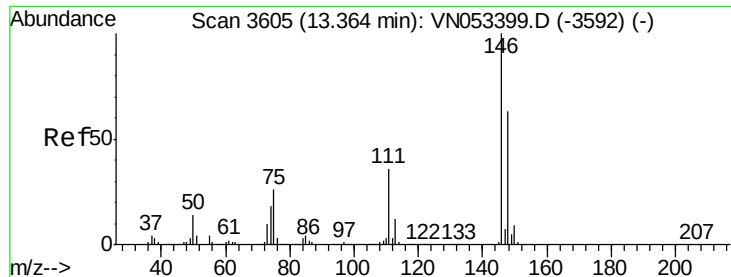
111 38.0 18.8 56.3

148 64.1 32.0 96.2



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

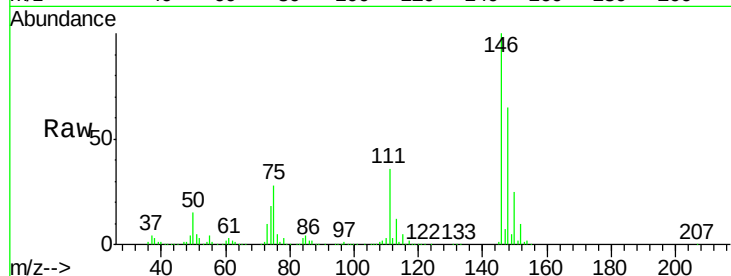




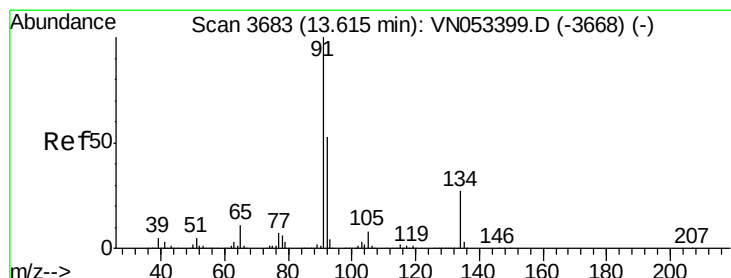
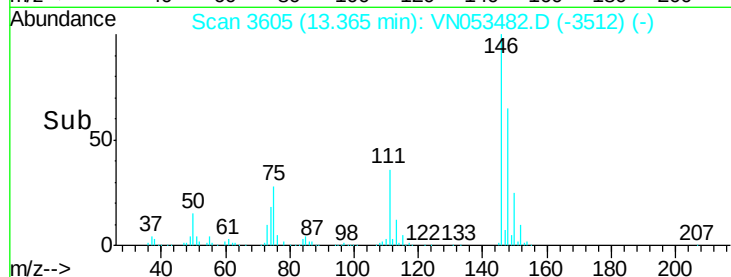
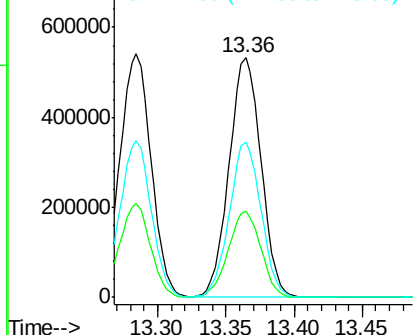
#88
 1,4-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	64.2	32.4	97.0

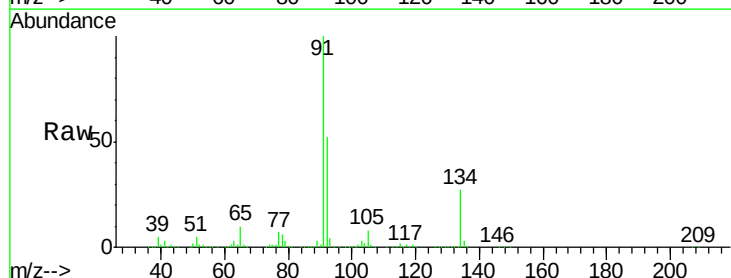


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

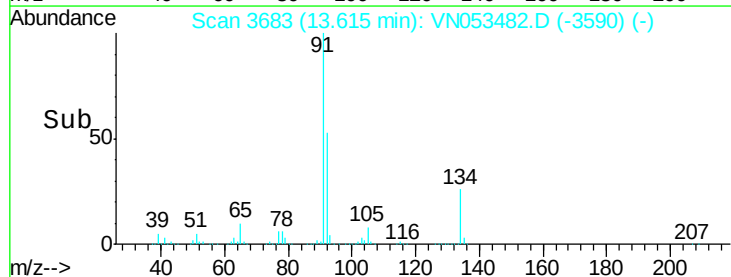
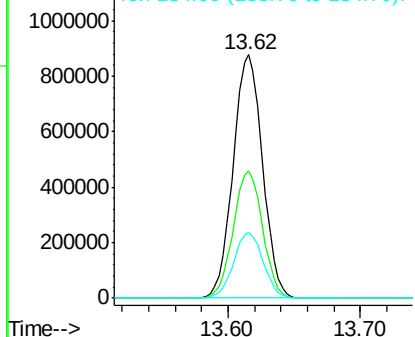


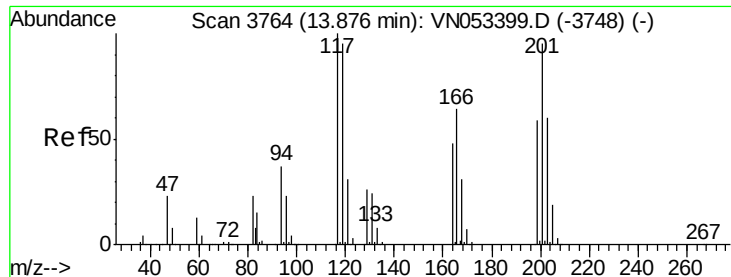
#89
 n-Butylbenzene
 Concen: 50.330 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	27.1	13.5	40.5



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 52.670 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

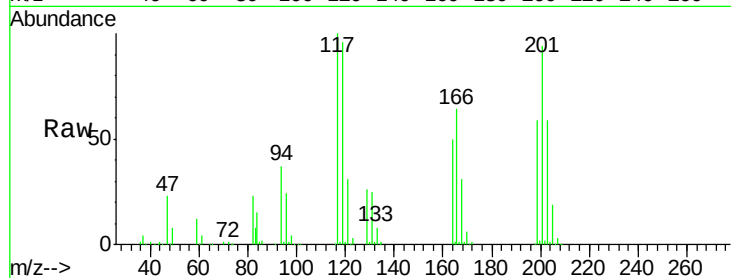
SA-TW521-2327MSD

Tot Ion:117 Resp: 259944

Ion Ratio Lower Upper

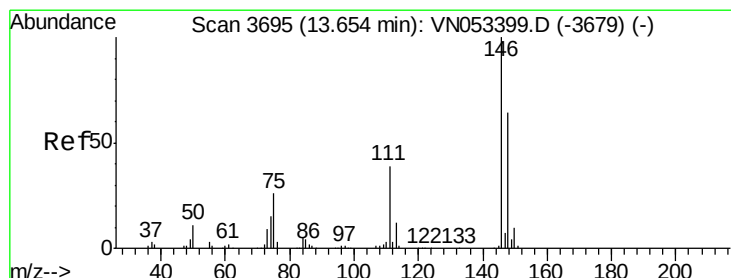
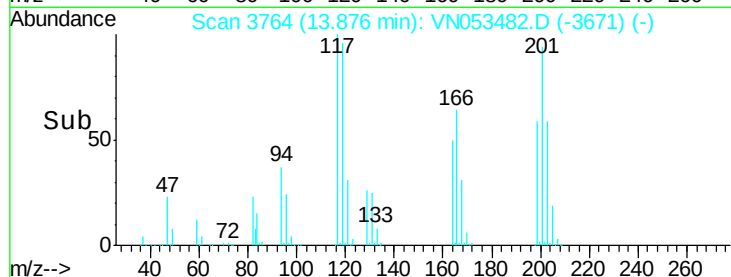
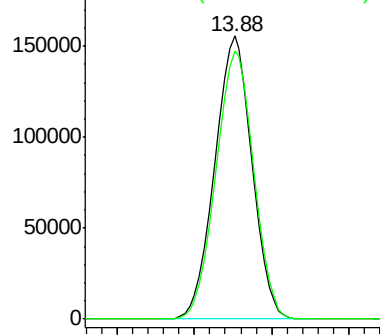
117 100

201 96.3 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 54.393 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

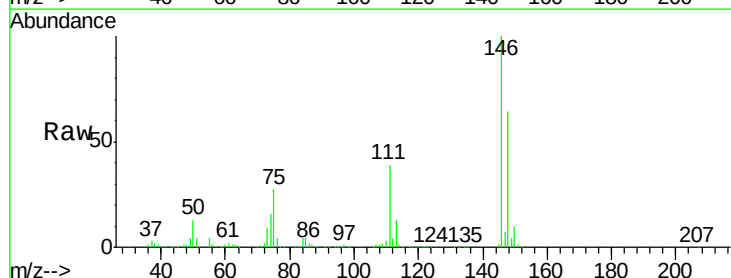
Tgt Ion:146 Resp: 852956

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

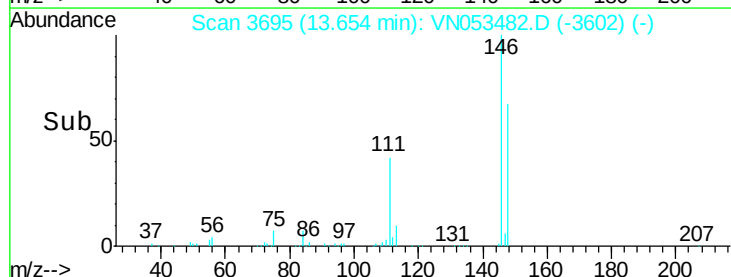
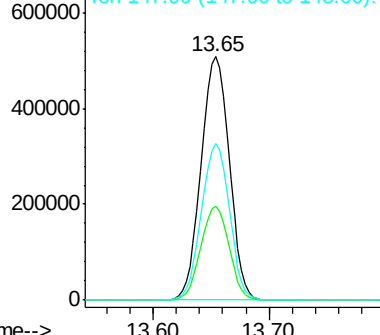
148 64.1 31.9 95.9

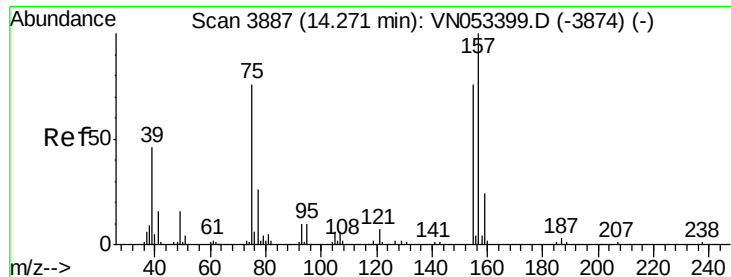


Abundance Ion 145.90 (145.60 to 146.60): V

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: 71.356 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

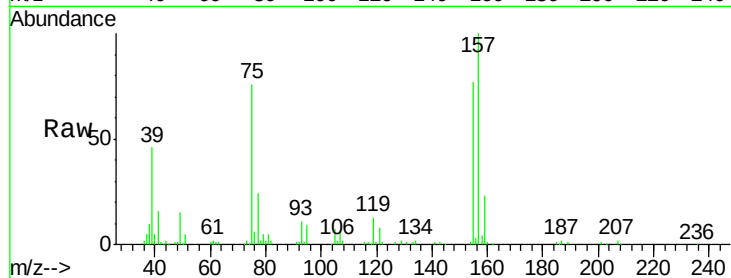
Tot Ion: 75 Resp: 69780

Ion Ratio Lower Upper

75 100

155 99.4 48.9 146.7

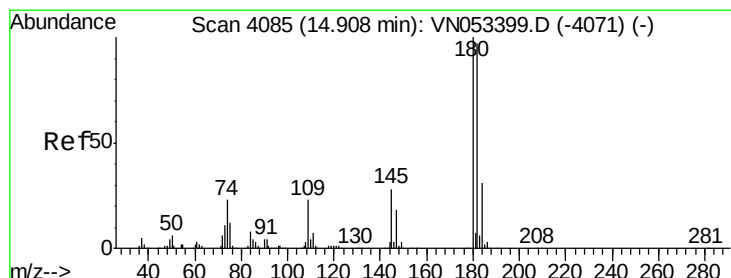
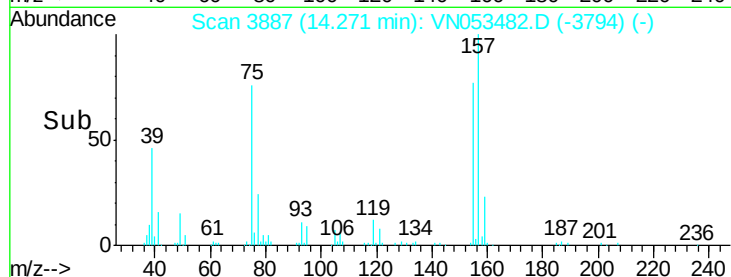
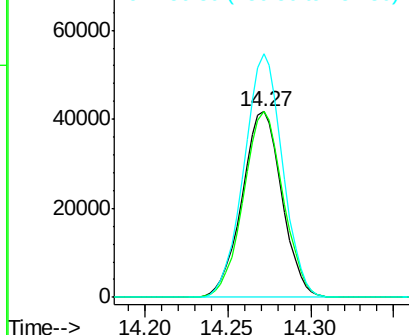
157 126.5 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN053399.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN053399.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 59.525 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

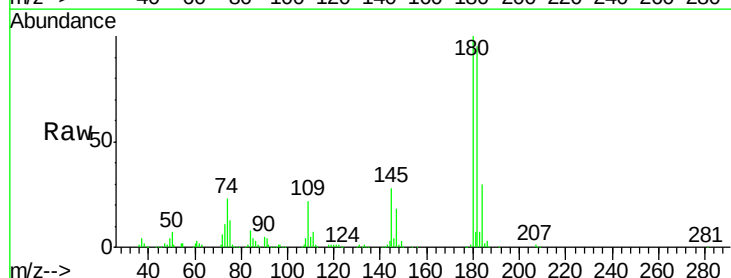
Tgt Ion: 180 Resp: 415717

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.3

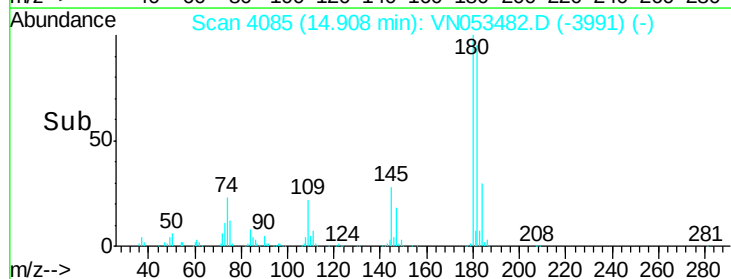
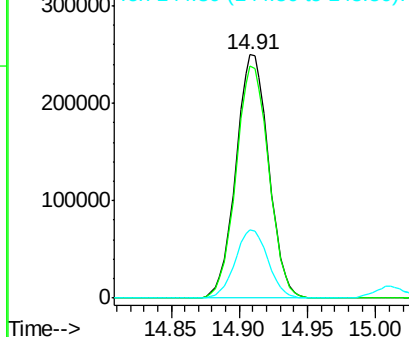
145 28.1 13.9 41.6

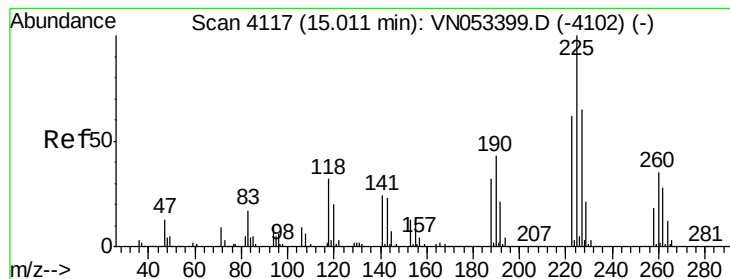


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 52.735 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MSD

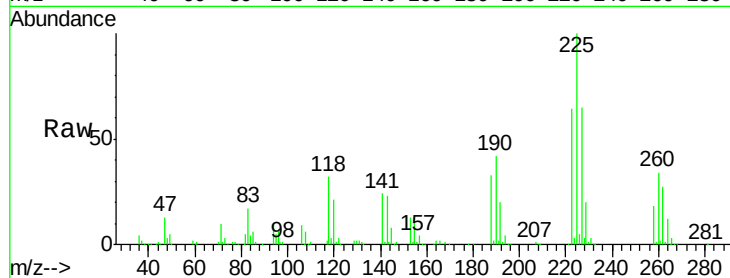
Tot Ion:225 Resp: 257968

Ion Ratio Lower Upper

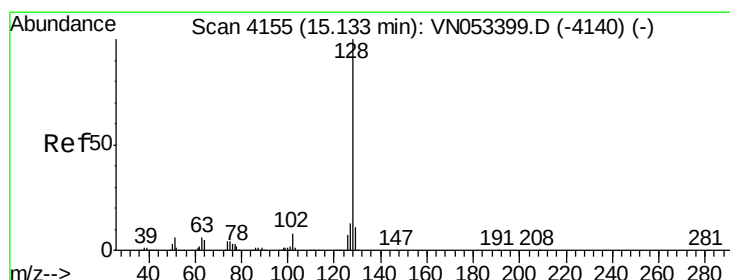
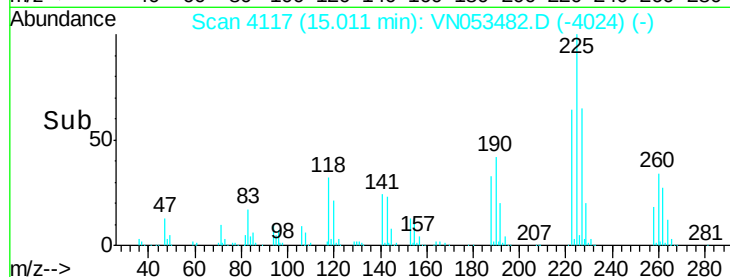
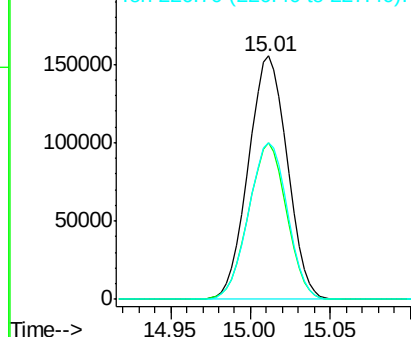
225 100

223 63.0 31.1 93.2

227 64.3 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: 66.320 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053482.D

Acq: 18 Jan 2019 19:44

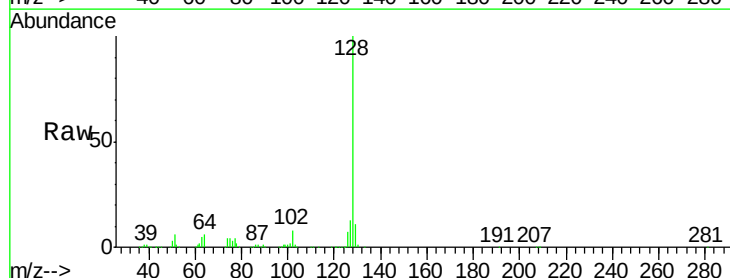
Tgt Ion:128 Resp: 822032

Ion Ratio Lower Upper

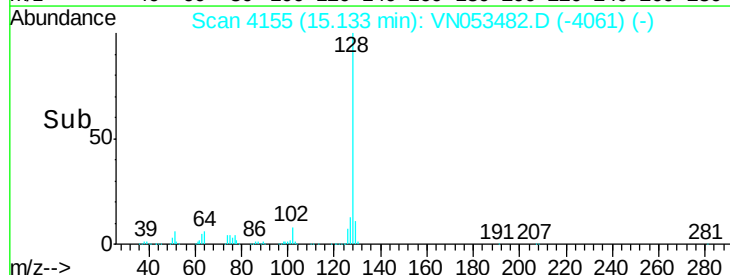
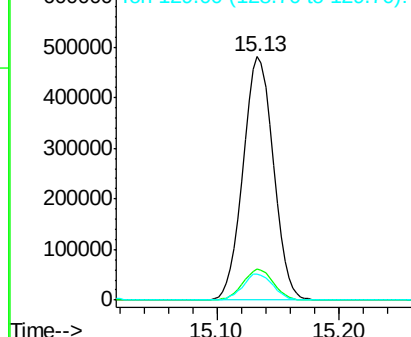
128 100

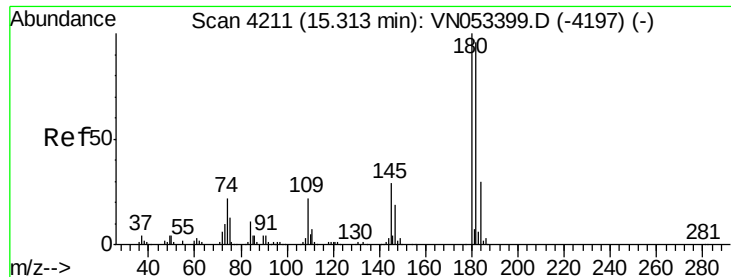
127 12.7 10.3 15.5

129 10.8 8.6 13.0



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: 64.646 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053482.D
 Acq: 18 Jan 2019 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	29.6	14.7	44.1

