

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 14 07:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	929429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419908	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	157329	18.74	ug/l	0.00
Spiked Amount			Recovery	=	37.48%	
35) Dibromofluoromethane	7.59	113	143750	19.25	ug/l	0.00
Spiked Amount			Recovery	=	38.50%	
50) Toluene-d8	10.09	98	536169	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.40	95	169483	17.80	ug/l	0.00
Spiked Amount			Recovery	=	35.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	143232	20.357	ug/l	99
3) Chloromethane	2.06	50	179992	19.161	ug/l	99
4) Vinyl Chloride	2.18	62	186987	20.509	ug/l	99
5) Bromomethane	2.56	94	103292	18.484	ug/l	100
6) Chloroethane	2.70	64	111344	19.911	ug/l	98
7) Trichlorofluoromethane	3.01	101	243531	20.720	ug/l	97
8) Diethyl Ether	3.41	74	80297	18.793	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149015	20.496	ug/l	99
10) Methyl Iodide	3.95	142	81313	23.154	ug/l	100
11) Tert butyl alcohol	4.80	59	43585	69.104	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132143	19.321	ug/l	98
13) Acrolein	3.61	56	15720	23.293	ug/l	96
14) Allyl chloride	4.32	41	199972	18.354	ug/l	99
15) Acrylonitrile	4.99	53	234570	84.655	ug/l	99
16) Acetone	3.82	43	201240	76.111	ug/l	98
17) Carbon Disulfide	4.05	76	416499	18.723	ug/l	99
18) Methyl Acetate	4.33	43	114200	15.149	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	341293	17.892	ug/l	100
20) Methylene Chloride	4.55	84	156921	16.670	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	144392	19.520	ug/l	98
22) Diisopropyl ether	5.96	45	447885	20.035	ug/l	97
23) Vinyl Acetate	5.90	43	1418319	90.337	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270981	19.692	ug/l	99
25) 2-Butanone	6.84	43	316027	78.524	ug/l	98
26) 2,2-Dichloropropane	6.83	77	180288	16.389	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159802	19.522	ug/l	100
28) Bromochloromethane	7.20	49	130974	20.647	ug/l	100
29) Tetrahydrofuran	7.22	42	167631	77.644	ug/l	100
30) Chloroform	7.37	83	277529	20.179	ug/l	99
31) Cyclohexane	7.66	56	234916	17.047	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	232786	19.710	ug/l	99
36) 1,1-Dichloropropene	7.80	75	204286	20.033	ug/l	98
37) Ethyl Acetate	6.93	43	118938	16.853	ug/l	98
38) Carbon Tetrachloride	7.78	117	208617	19.612	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207768	18.676	ug/l	96
40) Benzene	8.04	78	628460	20.019	ug/l	100
41) Methacrylonitrile	7.18	41	62543	16.413	ug/l	98
42) 1,2-Dichloroethane	8.13	62	193137	19.561	ug/l	99
43) Isopropyl Acetate	8.17	43	214165	17.387	ug/l	99
44) Trichloroethene	8.84	130	164045	19.428	ug/l	97
45) 1,2-Dichloropropane	9.12	63	165100	20.014	ug/l	99
46) Dibromomethane	9.21	93	96860	19.222	ug/l	98
47) Bromodichloromethane	9.40	83	205060	19.454	ug/l	100
48) Methyl methacrylate	9.20	41	103404	16.817	ug/l	98
49) 1,4-Dioxane	9.20	88	27544	294.695	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	735883	83.677	ug/l	99
52) Toluene	10.16	92	387083	20.553	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189801	18.136	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	224381	19.109	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138518	19.005	ug/l	99
56) Ethyl methacrylate	10.43	69	157945	17.414	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231341	19.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	377032	88.978	ug/l	100
59) 2-Hexanone	10.75	43	466274	76.458	ug/l	99
60) Dibromochloromethane	10.90	129	153384	19.076	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132556	18.532	ug/l	99
64) Tetrachloroethene	10.63	164	158710	20.002	ug/l	97
65) Chlorobenzene	11.43	112	416943	19.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154568	19.861	ug/l	99
67) Ethyl Benzene	11.51	91	682406	19.788	ug/l	99
68) m/p-Xylenes	11.62	106	538449	40.984	ug/l	99
69) o-Xylene	11.95	106	252233	19.966	ug/l	98
70) Styrene	11.96	104	415736	20.292	ug/l	100
71) Bromoform	12.13	173	102623	18.377	ug/l #	100
73) Isopropylbenzene	12.25	105	667380	21.022	ug/l	99
74) N-amyl acetate	12.07	43	169835	17.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169019	18.858	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	195743	25.796	ug/l #	100
77) Bromobenzene	12.53	156	173694	20.448	ug/l	98
78) n-propylbenzene	12.59	91	756549	21.072	ug/l	99
79) 2-Chlorotoluene	12.67	91	461743	20.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	556486	21.638	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35931	17.135	ug/l	96
82) 4-Chlorotoluene	12.77	91	470535	21.280	ug/l	99
83) tert-Butylbenzene	12.99	119	458109	20.473	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	566422	21.754	ug/l	99
85) sec-Butylbenzene	13.17	105	616851	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	527638	20.631	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301471	20.007	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291932	19.421	ug/l	99
89) n-Butylbenzene	13.62	91	398246	18.421	ug/l	98
90) Hexachloroethane	13.88	117	94579	20.609	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	293579	19.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22087	14.780	ug/l	96

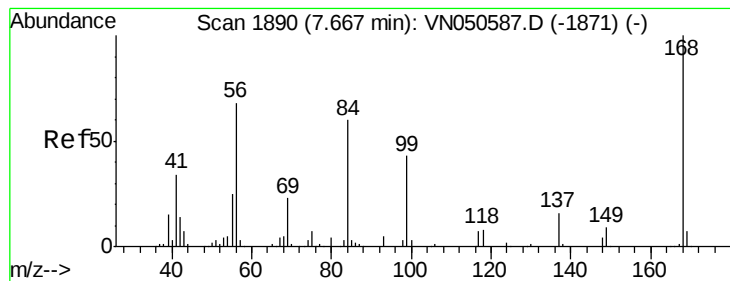
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124128	16.420	ug/l	98
94) Hexachlorobutadiene	15.01	225	86763	15.754	ug/l	98
95) Naphthalene	15.13	128	241886	14.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	122308	16.009	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

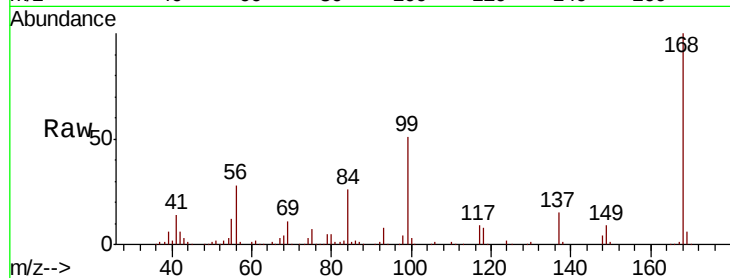
VSTDIC020

Tot Ion:168 Resp: 633245

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

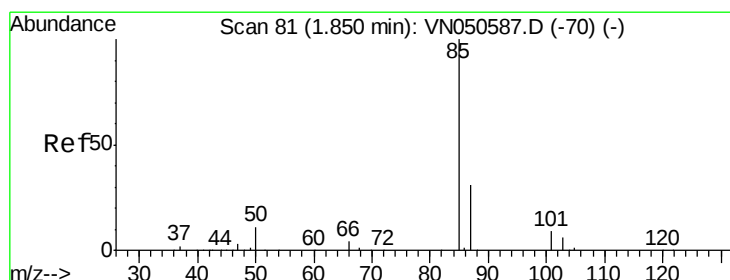
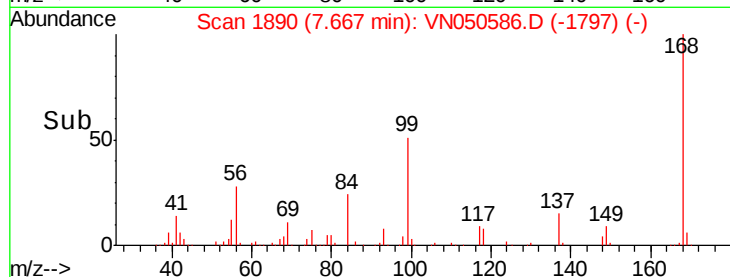
100000

50000

0

Time-->

7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.357 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050586.D

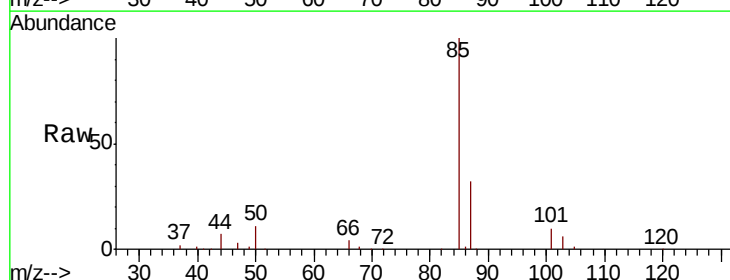
Acq: 14 Aug 2018 00:35

Tgt Ion: 85 Resp: 143232

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

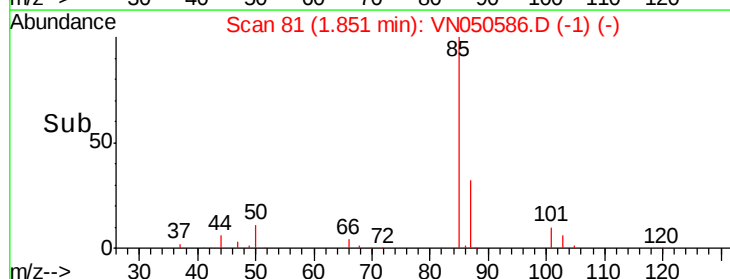
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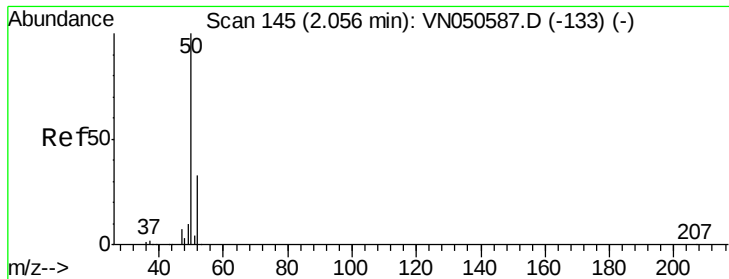
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.161 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

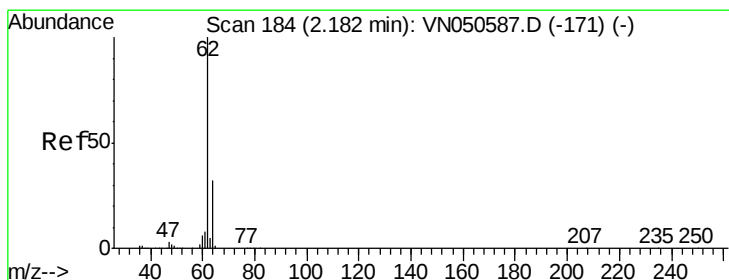
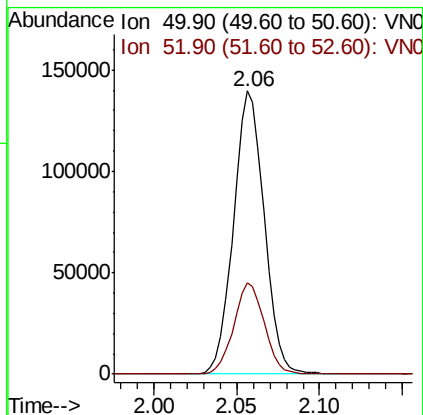
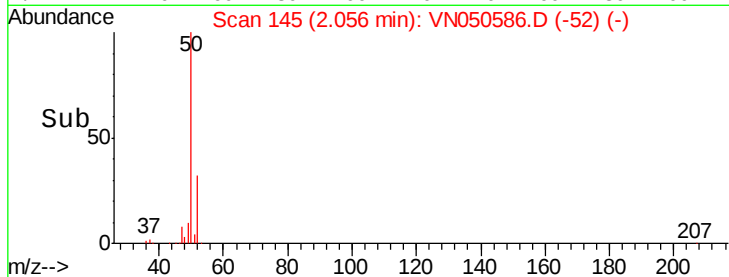
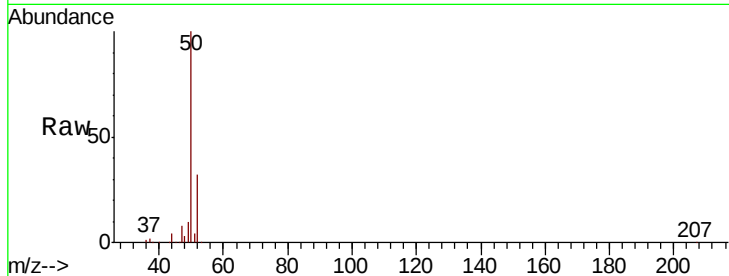
VSTDIC020

Tot Ion: 50 Resp: 179992

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 20.509 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050586.D

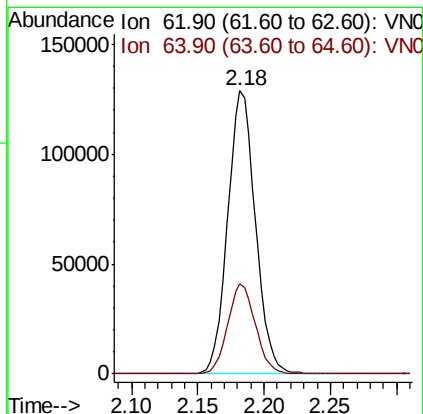
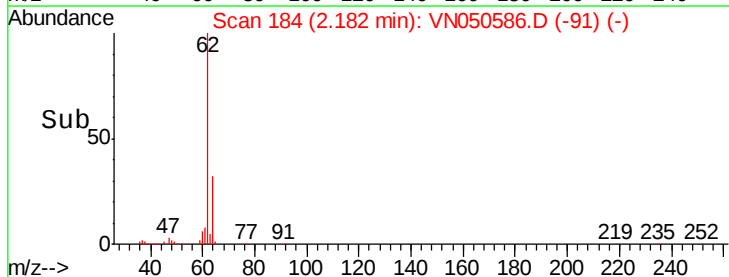
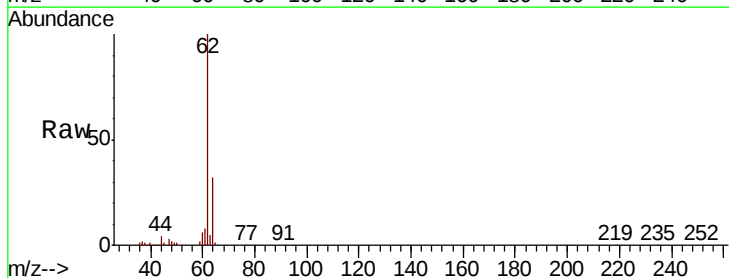
Acq: 14 Aug 2018 00:35

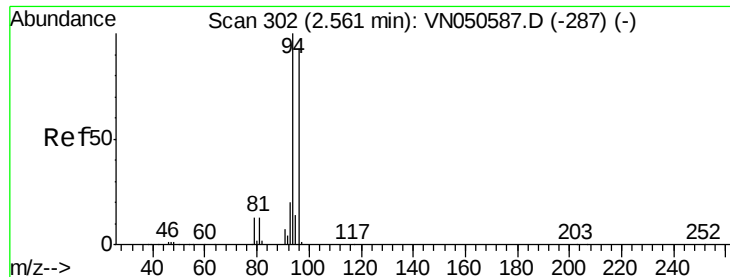
Tgt Ion: 62 Resp: 186987

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 18.484 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

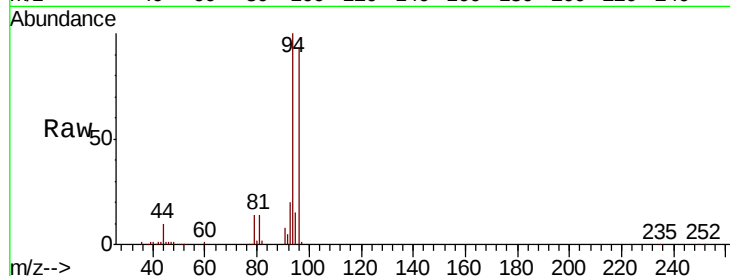
VSTDIC020

Tot Ion: 94 Resp: 103292

Ion Ratio Lower Upper

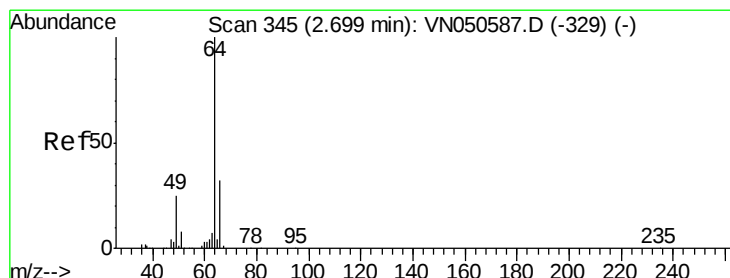
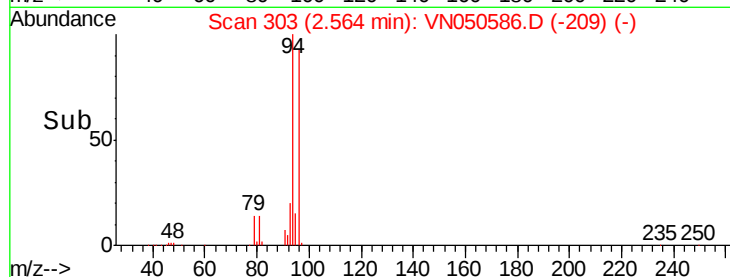
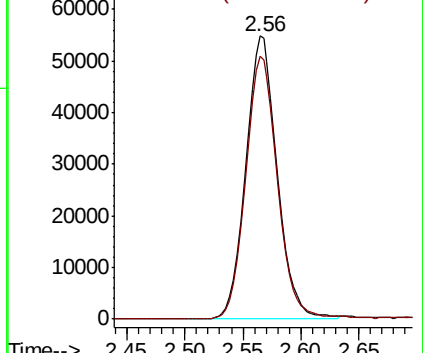
94 100

96 92.7 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.911 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050586.D

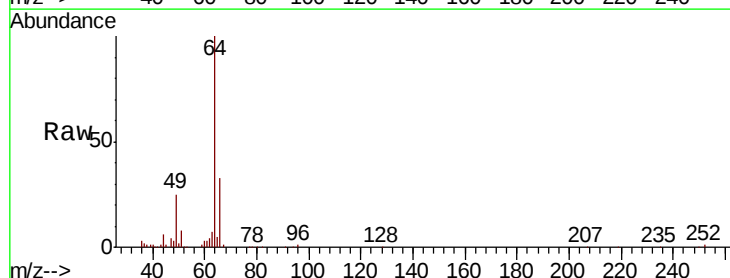
Acq: 14 Aug 2018 00:35

Tgt Ion: 64 Resp: 111344

Ion Ratio Lower Upper

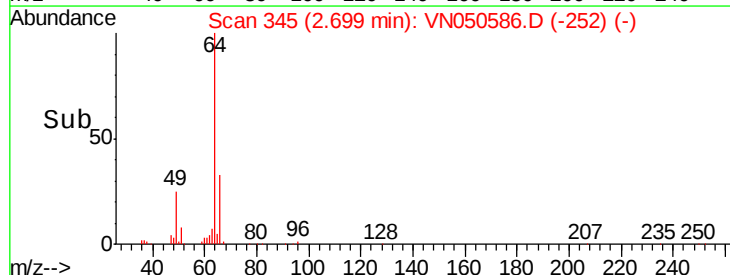
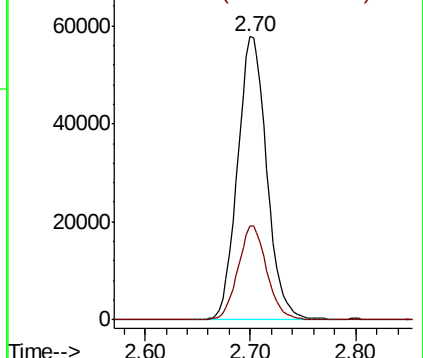
64 100

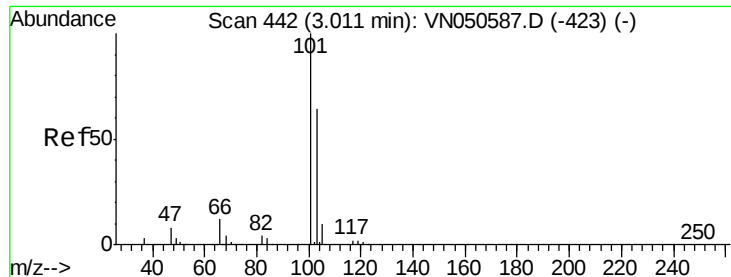
66 33.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



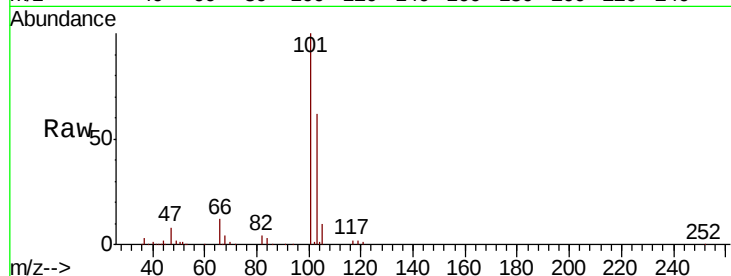


#7

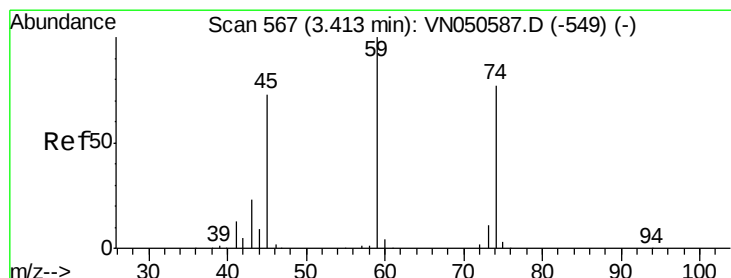
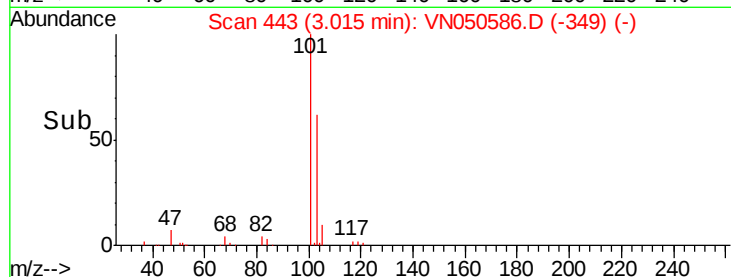
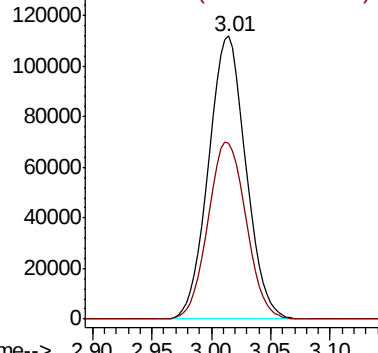
Trichlorofluoromethane
 Concen: 20.720 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
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Tot Ion:101 Resp: 243531
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.4 77.0



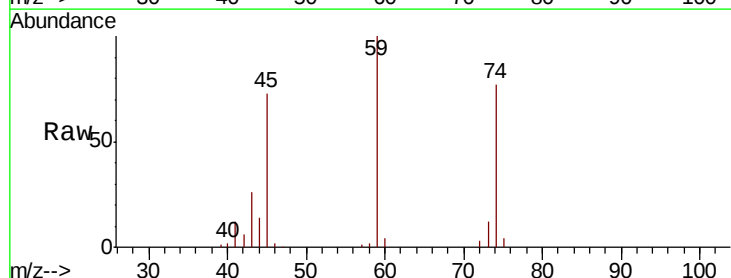
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



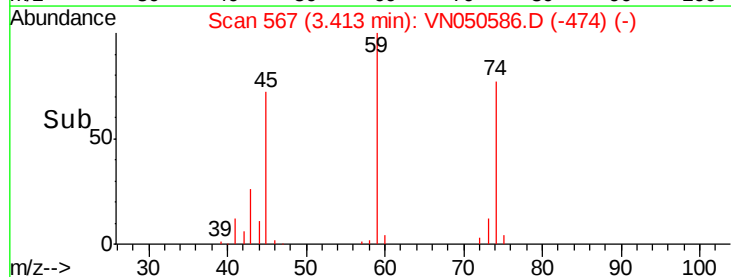
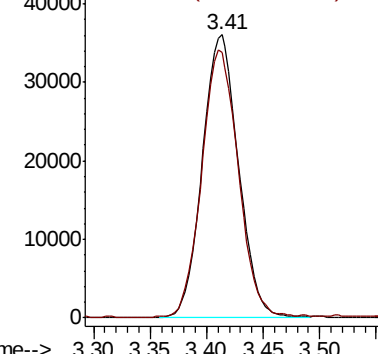
#8

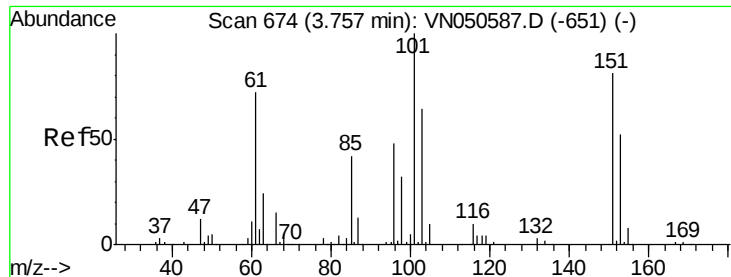
Diethyl Ether
 Concen: 18.793 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 74 Resp: 80297
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.0 144.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.496 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

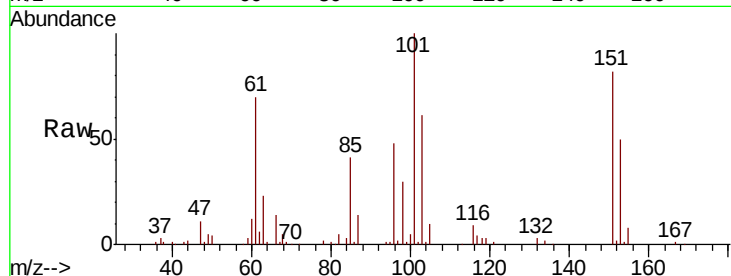
Tot Ion:101 Resp: 149015

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

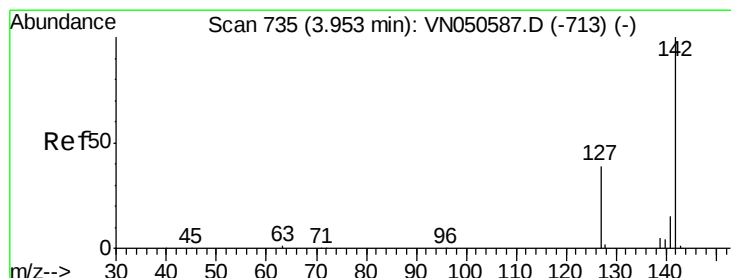
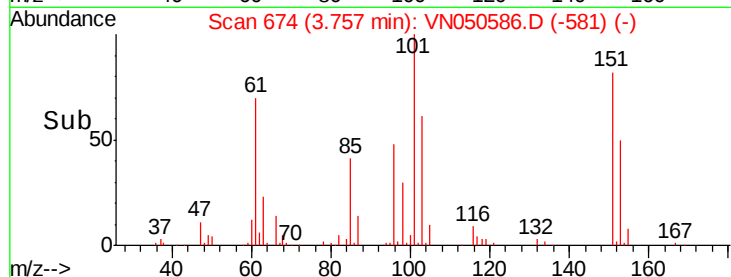
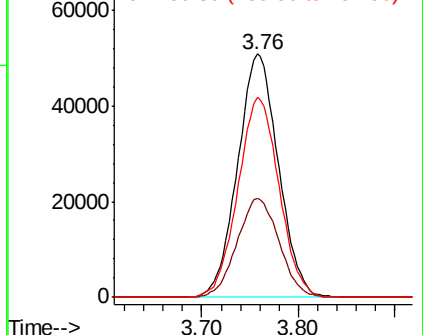
151 82.6 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.154 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

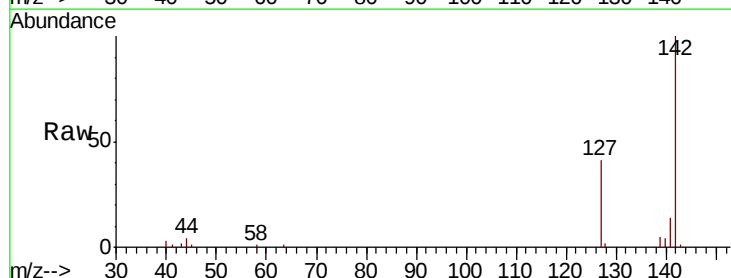
Tgt Ion:142 Resp: 81313

Ion Ratio Lower Upper

142 100

127 40.9 32.6 49.0

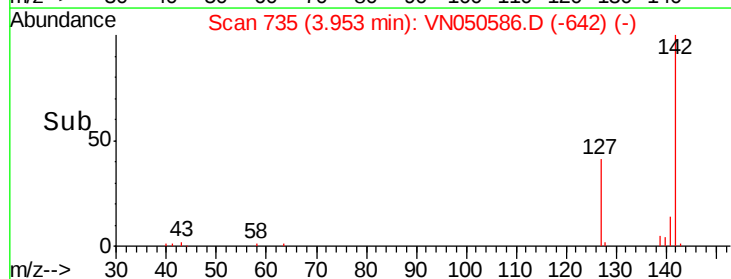
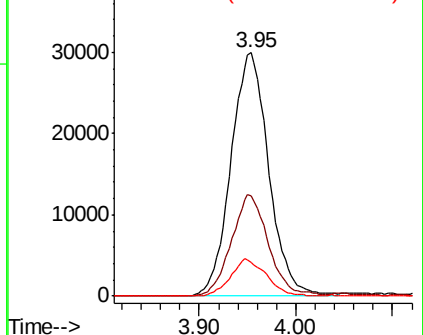
141 14.3 11.5 17.3

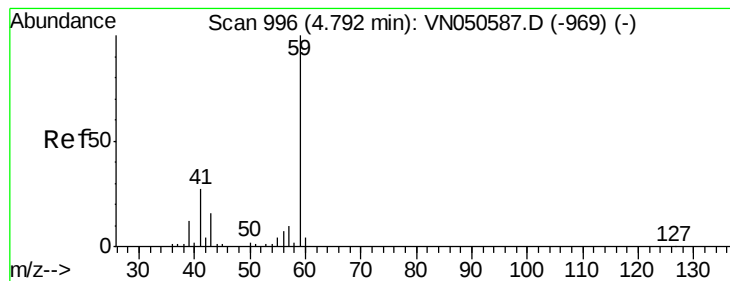


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 69.104 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampled :

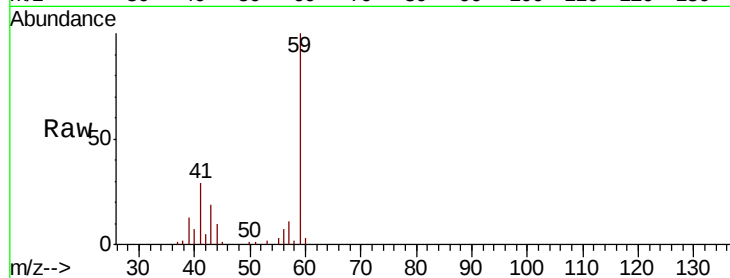
VSTDIC020

Tot Ion: 59 Resp: 43585

Ion Ratio Lower Upper

59 100

57 10.1 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN050587.D (-969) (-)

Ion 57.00 (56.70 to 57.70): VN050587.D (-969) (-)

4.80

15000

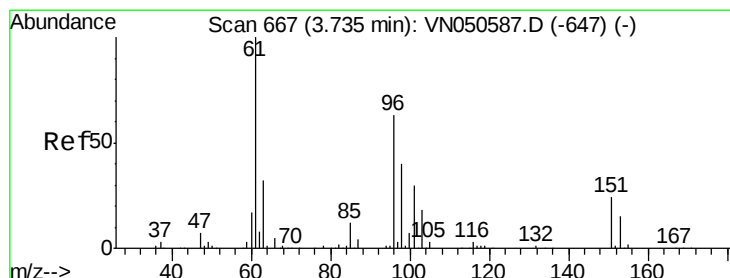
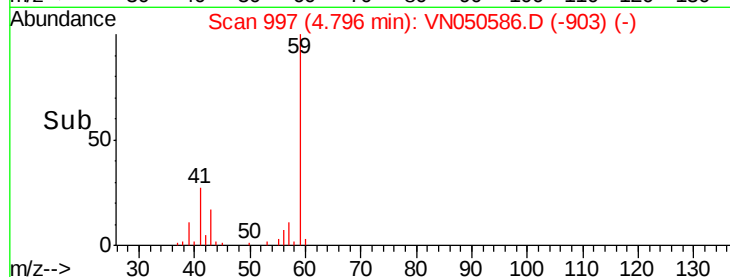
10000

5000

0

Time-->

4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 19.321 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

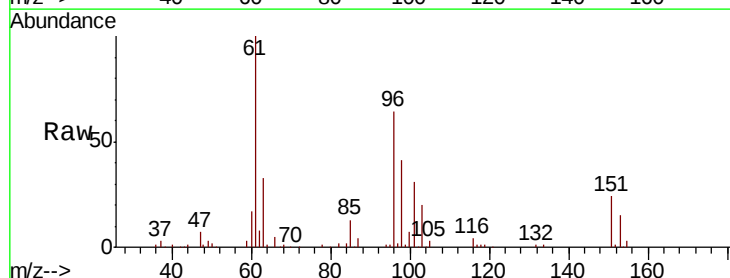
Tgt Ion: 96 Resp: 132143

Ion Ratio Lower Upper

96 100

61 155.1 126.9 190.3

98 63.0 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN050587.D (-647) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-647) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-647) (-)

100000

80000

60000

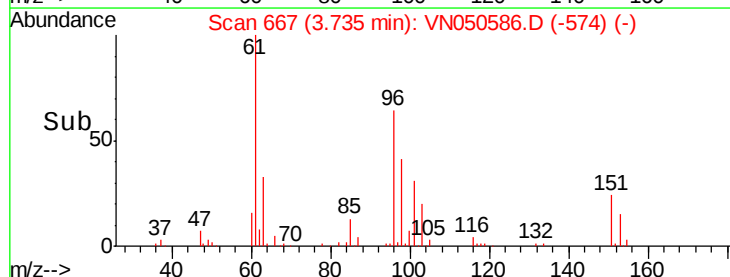
40000

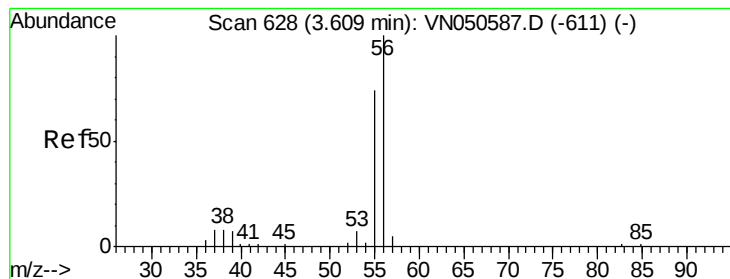
20000

0

Time-->

3.70 3.73 3.80





#13

Acrolein

Concen: 23.293 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

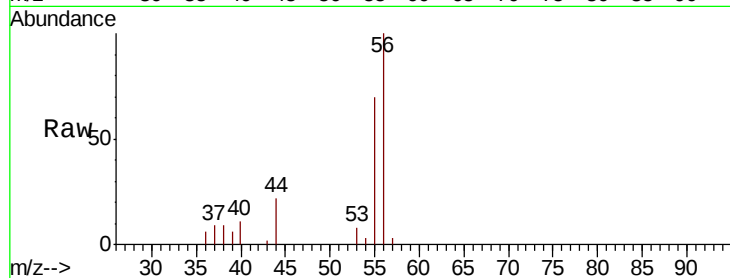
VSTDIC020

Tot Ion: 56 Resp: 15720

Ion Ratio Lower Upper

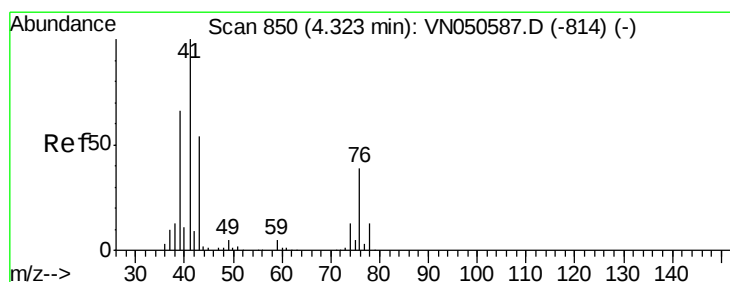
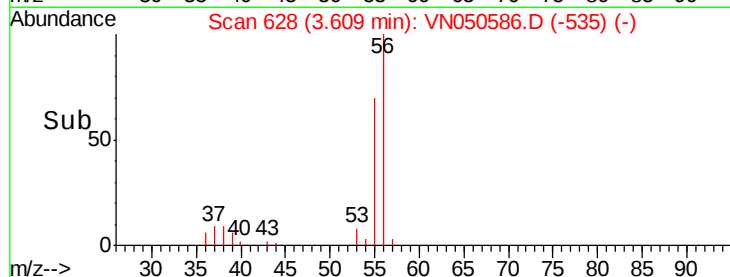
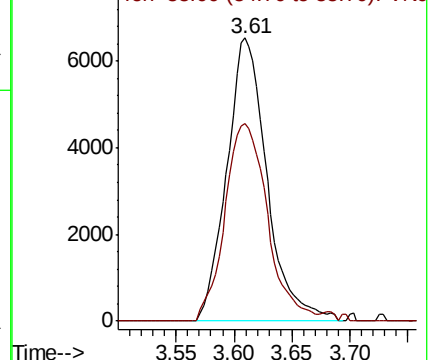
56 100

55 73.9 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.354 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

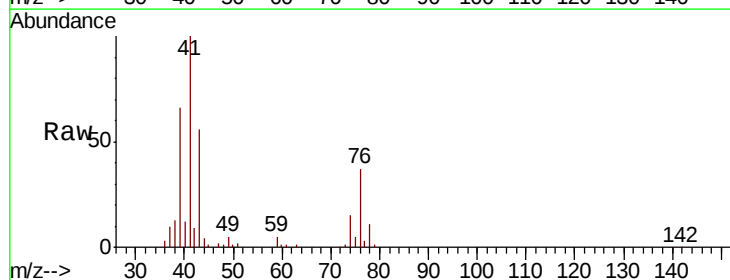
Tgt Ion: 41 Resp: 199972

Ion Ratio Lower Upper

41 100

39 64.8 51.4 77.0

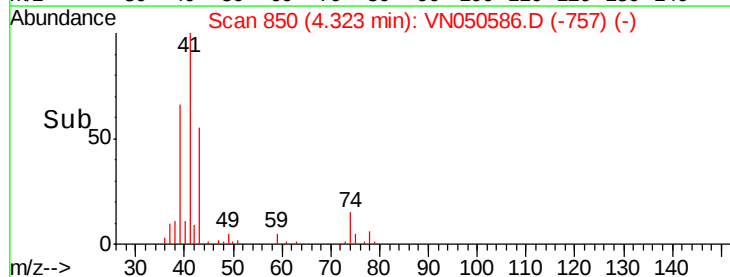
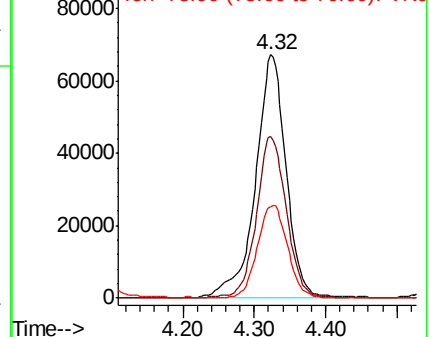
76 37.7 29.4 44.0

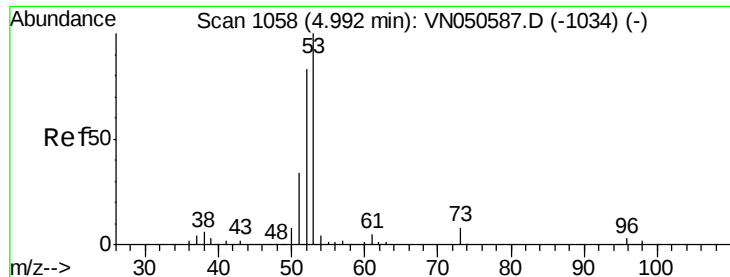


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 84.655 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

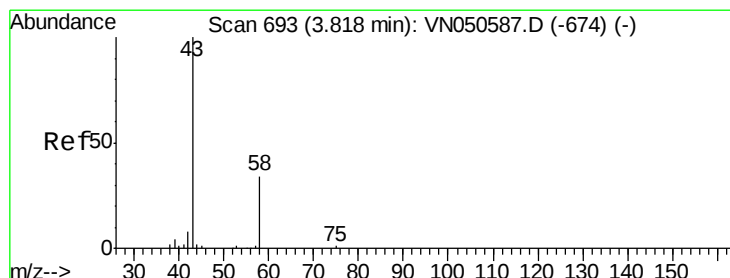
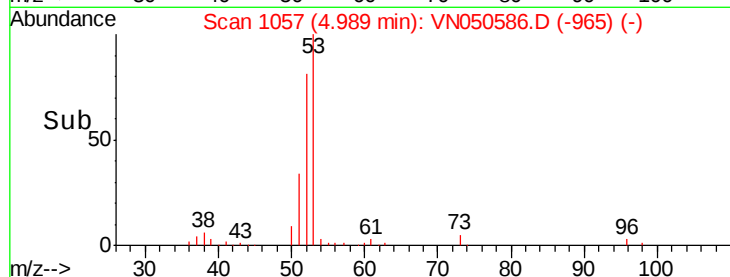
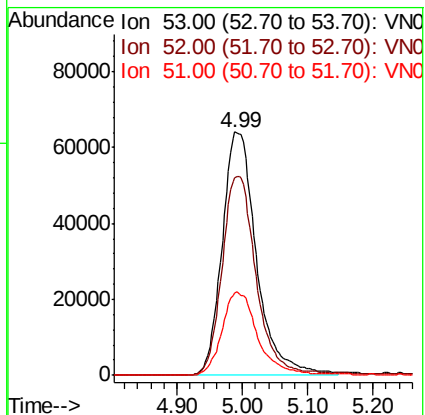
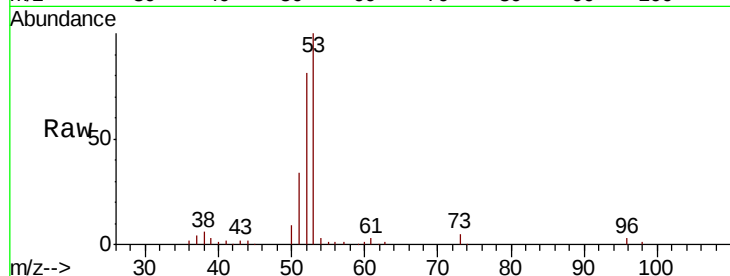
Tot Ion: 53 Resp: 234570

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

51 35.4 28.6 43.0



#16

Acetone

Concen: 76.111 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050586.D

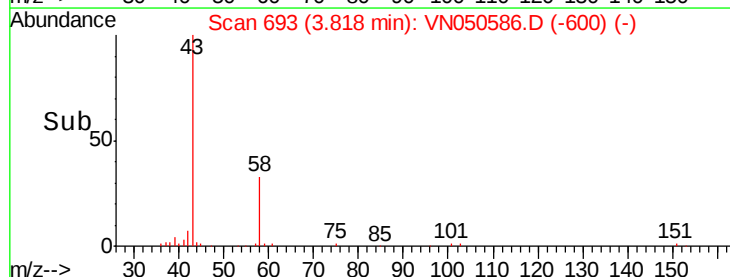
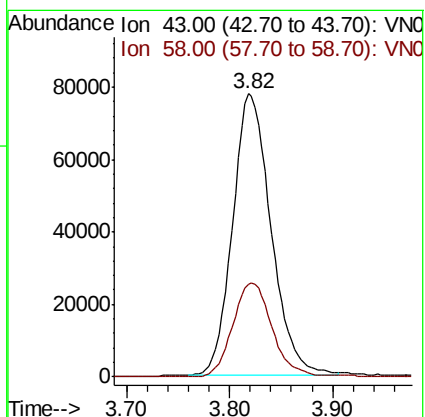
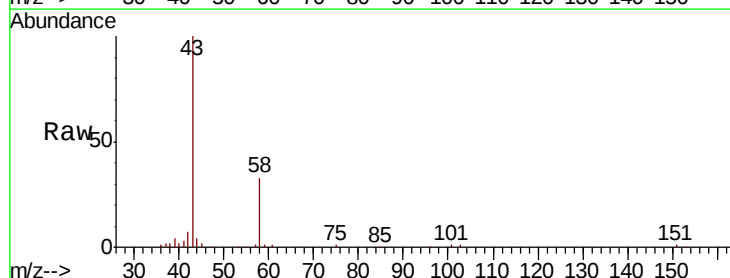
Acq: 14 Aug 2018 00:35

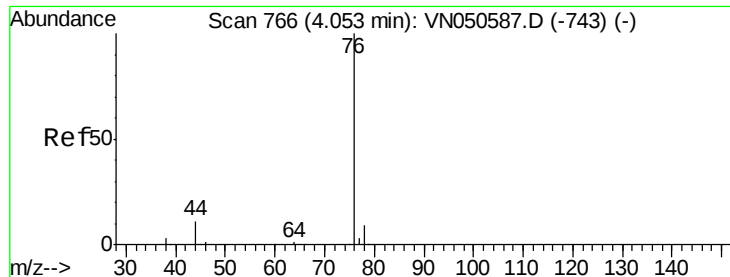
Tgt Ion: 43 Resp: 201240

Ion Ratio Lower Upper

43 100

58 32.9 27.1 40.7

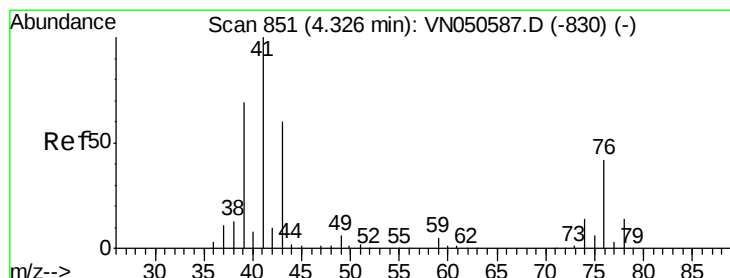
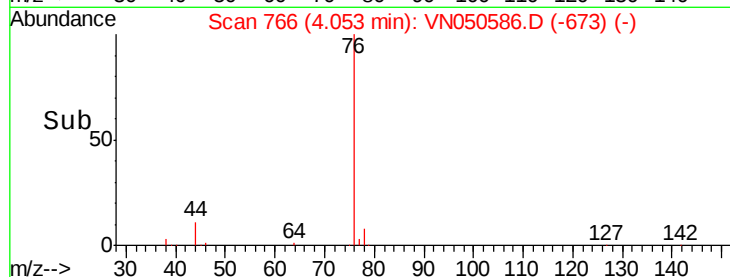
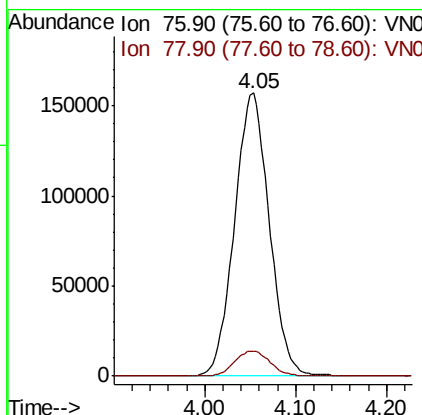
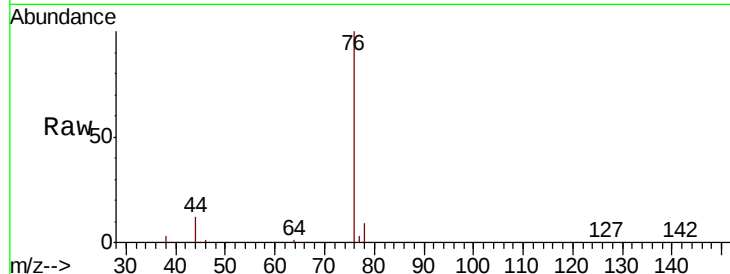




#17
Carbon Disulfide
Concen: 18.723 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

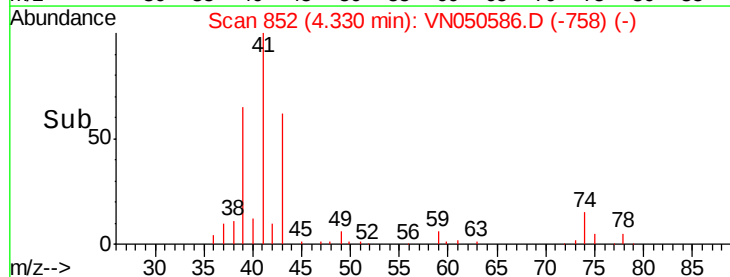
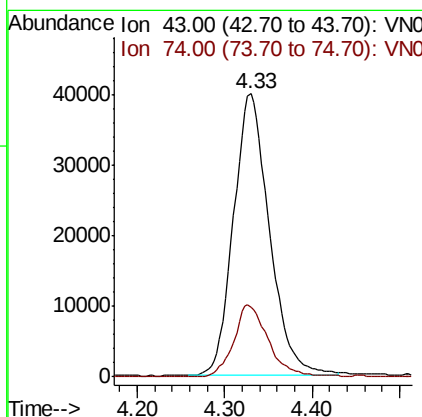
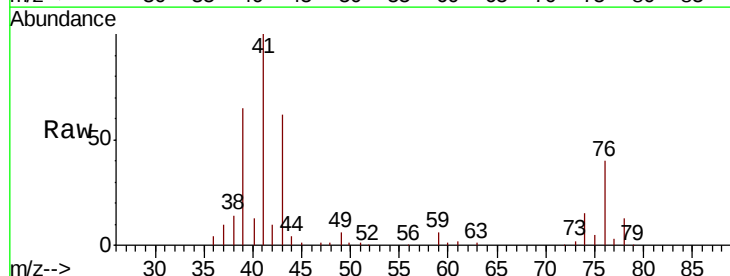
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

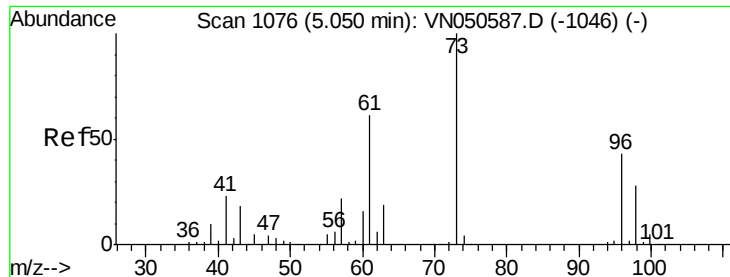
Tot Ion: 76 Resp: 416499
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 15.149 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 43 Resp: 114200
Ion Ratio Lower Upper
43 100
74 24.4 19.7 29.5

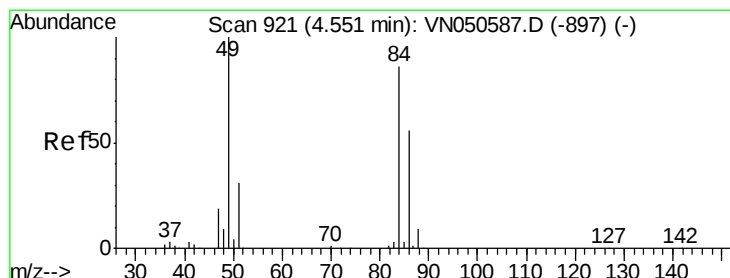
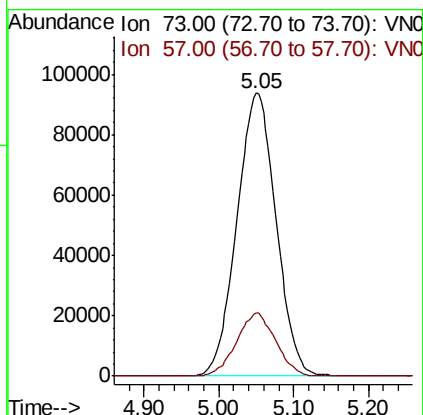
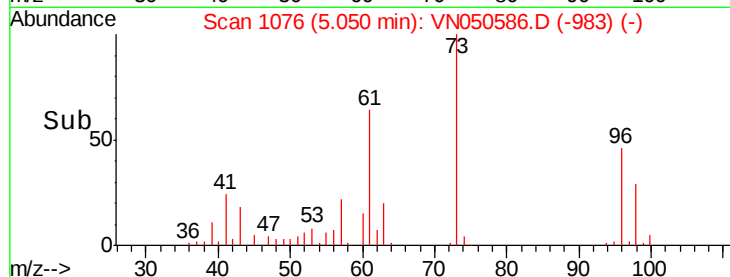
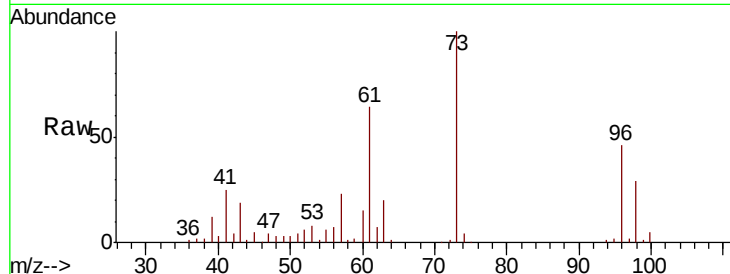




#19
Methyl tert-butyl Ether
Concen: 17.892 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

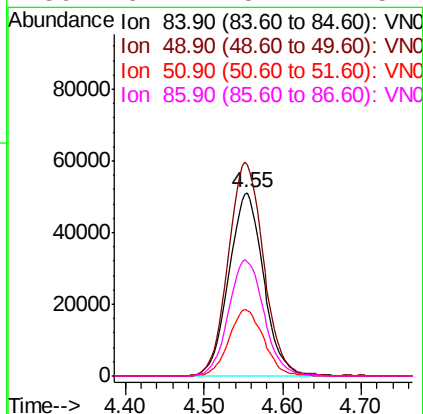
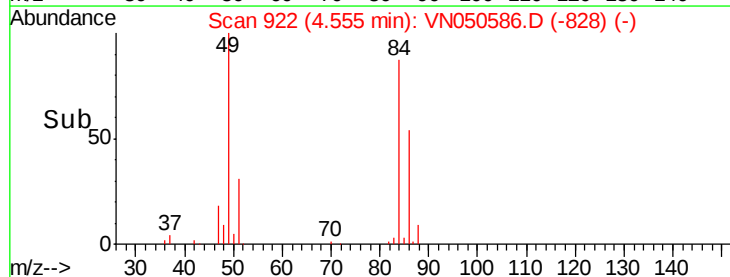
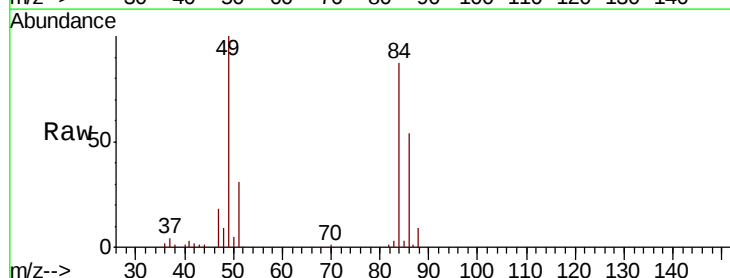
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

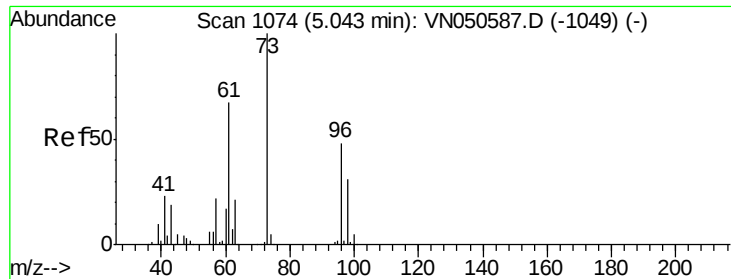
Tot Ion: 73 Resp: 341293
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



#20
Methylene Chloride
Concen: 16.670 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 84 Resp: 156921
Ion Ratio Lower Upper
84 100
49 114.8 92.6 138.8
51 35.6 28.6 43.0
86 62.2 52.2 78.2

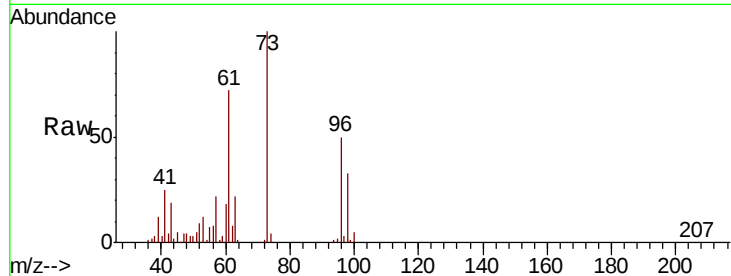




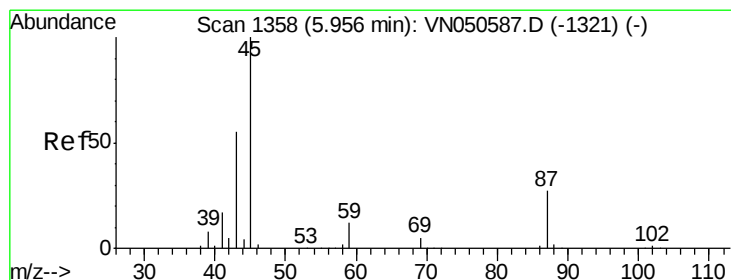
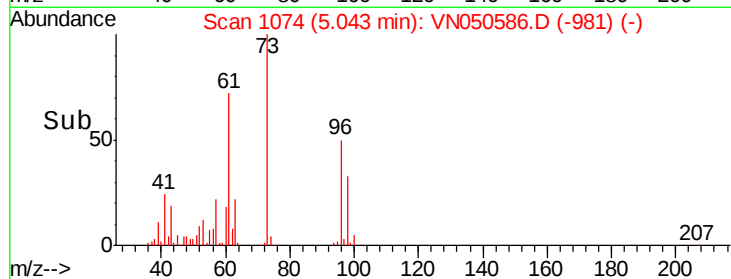
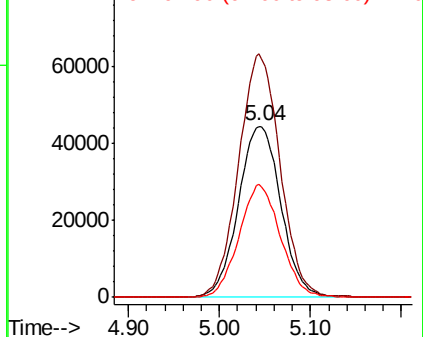
#21
trans-1,2-Dichloroethene
Concen: 19.520 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 144392
Ion Ratio Lower Upper
96 100
61 142.2 111.2 166.8
98 66.1 51.6 77.4

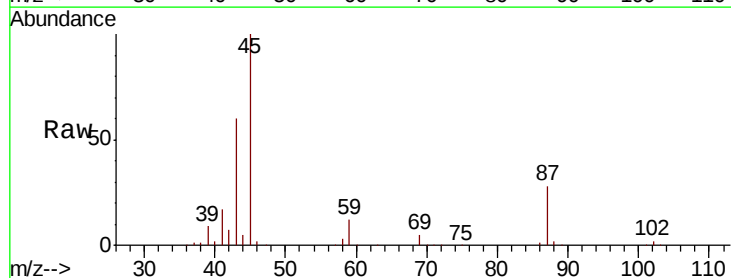


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

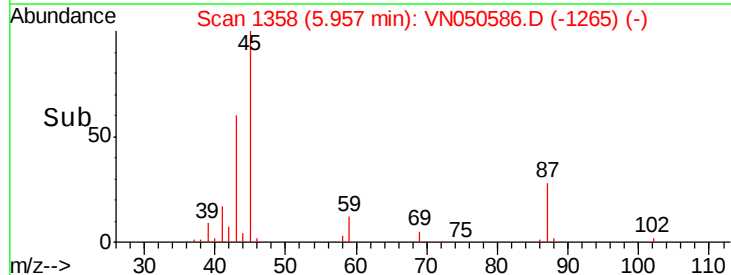
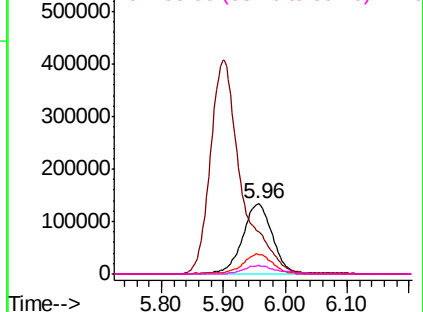


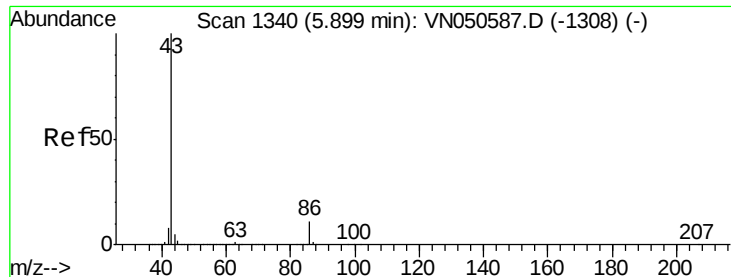
#22
Diisopropyl ether
Concen: 20.035 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 45 Resp: 447885
Ion Ratio Lower Upper
45 100
43 58.8 44.5 66.7
87 27.9 22.2 33.2
59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 90.337 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

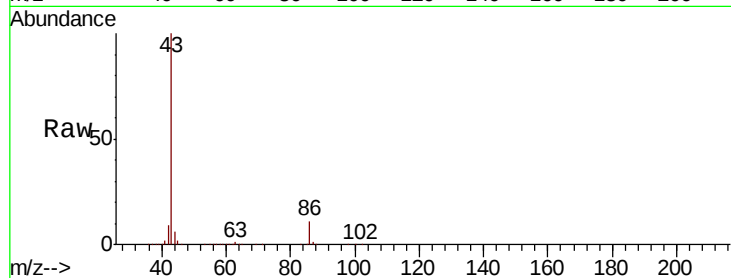
VSTDIC020

Tot Ion: 43 Resp: 1418319

Ion Ratio Lower Upper

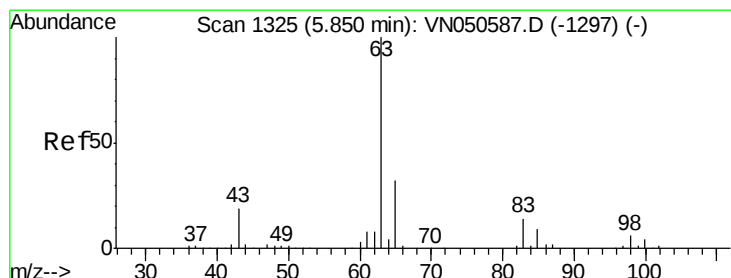
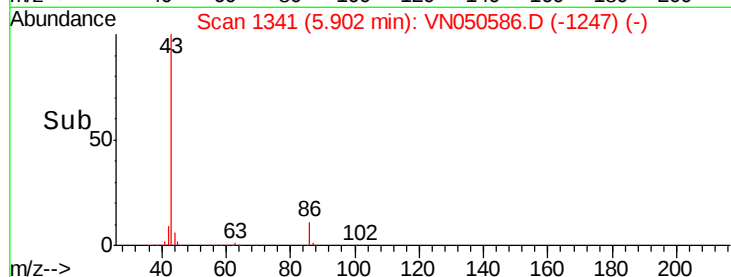
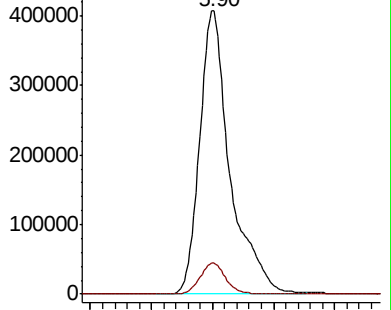
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)

Ion 86.00 (85.70 to 86.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 19.692 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

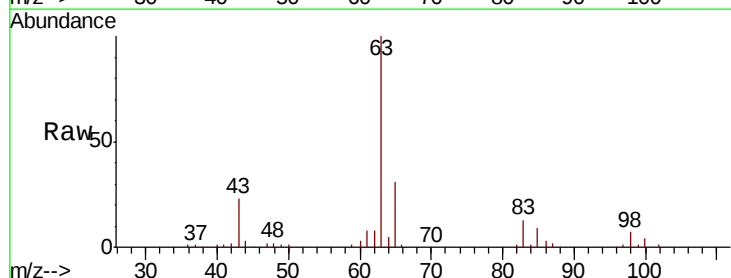
Tgt Ion: 63 Resp: 270981

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

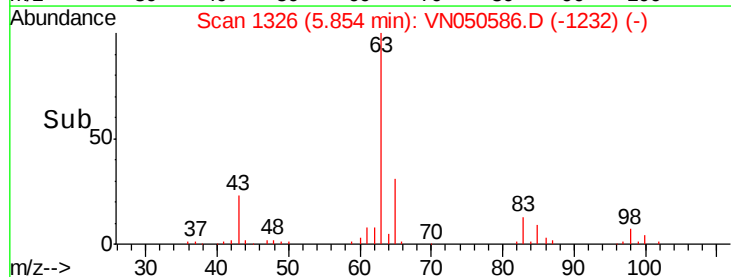
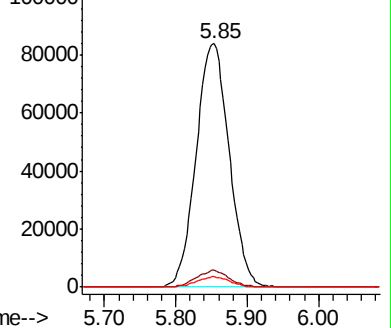
100 4.3 2.1 6.5

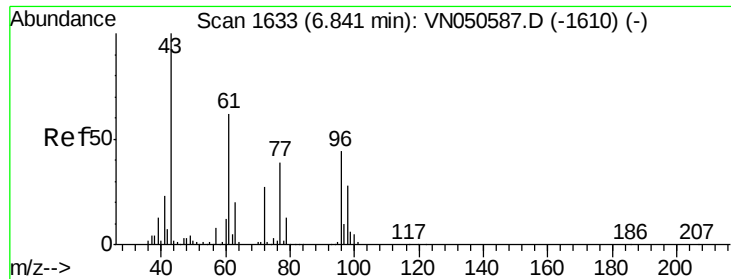


Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN050587.D (-1297) (-)

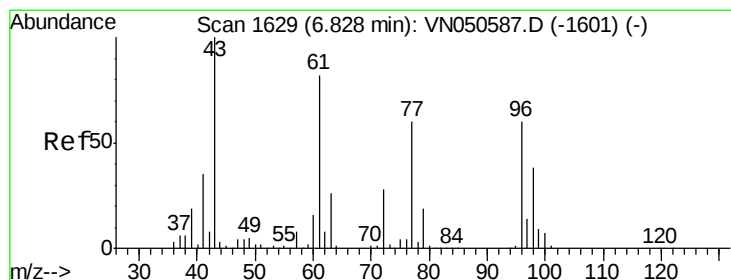
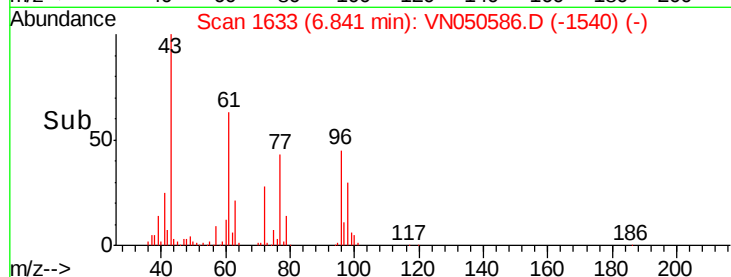
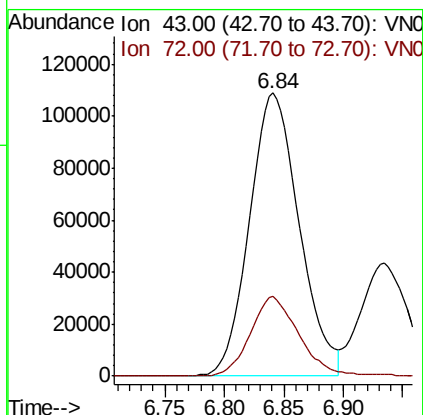
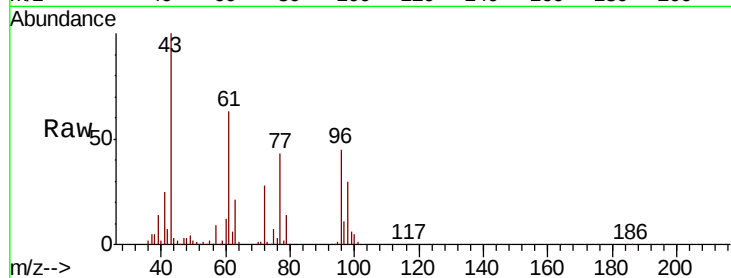




#25
 2-Butanone
 Concen: 78.524 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

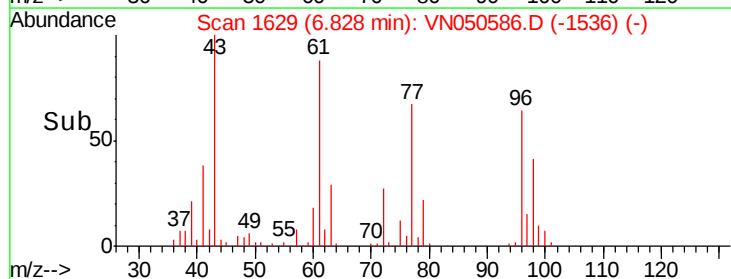
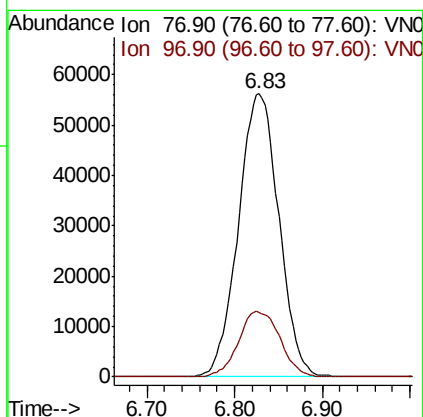
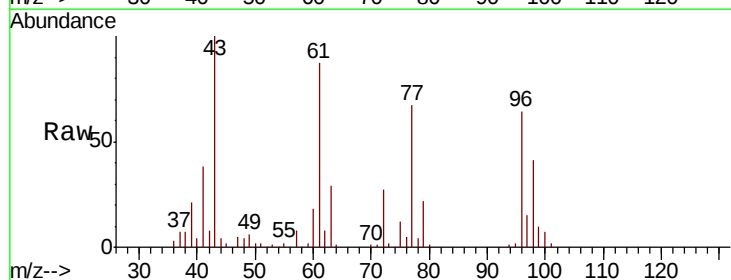
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

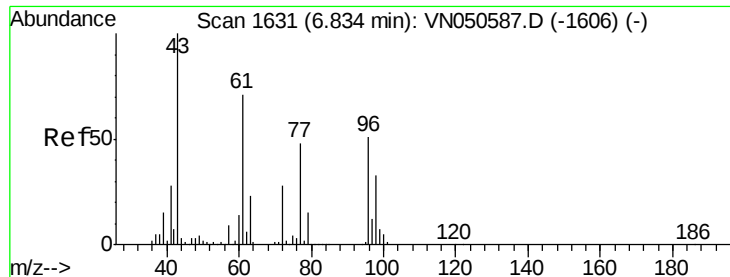
Tot Ion: 43 Resp: 316027
 Ion Ratio Lower Upper
 43 100
 72 28.0 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 16.389 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 77 Resp: 180288
 Ion Ratio Lower Upper
 77 100
 97 23.8 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.522 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

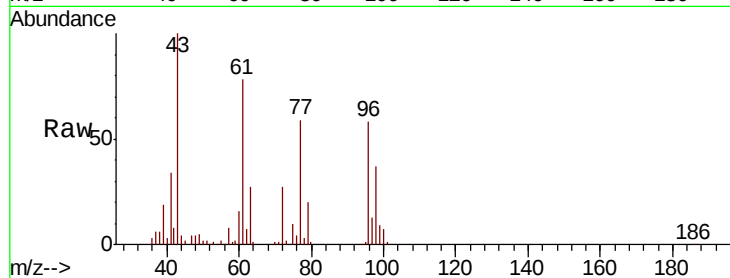
Tot Ion: 96 Resp: 159802

Ion Ratio Lower Upper

96 100

61 138.3 0.0 278.2

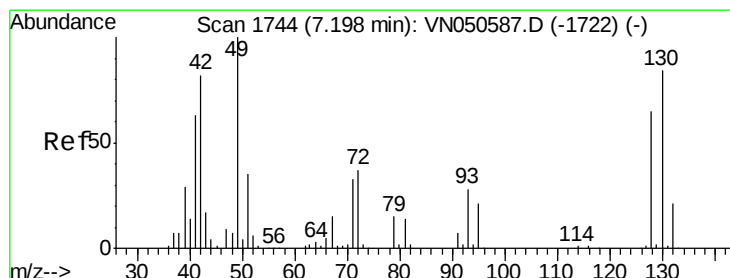
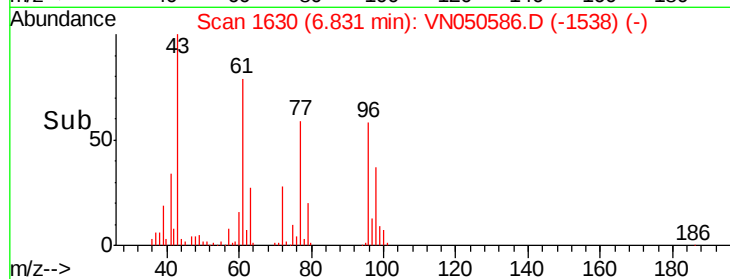
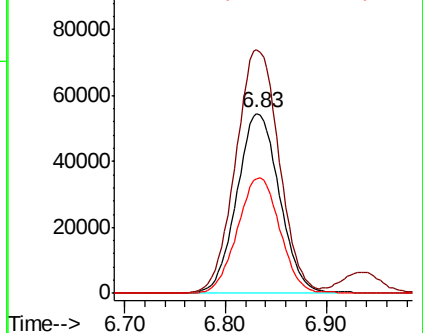
98 64.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN050587.D (-1606) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1606) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1606) (-)



#28

Bromochloromethane

Concen: 20.647 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

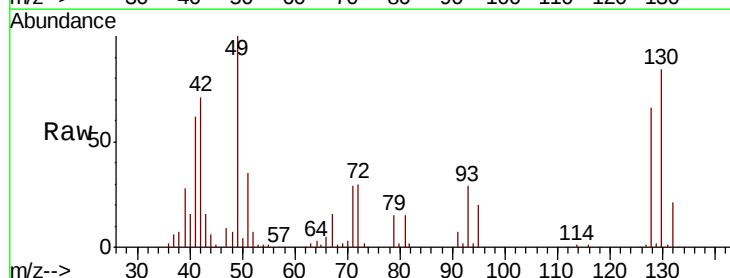
Tgt Ion: 49 Resp: 130974

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

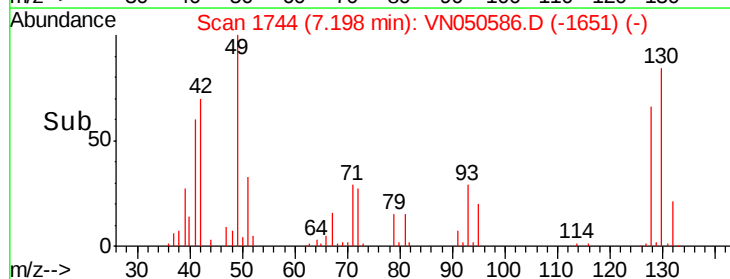
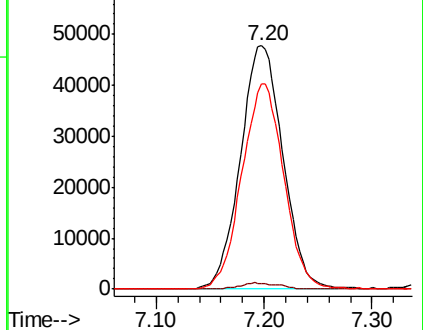
130 83.1 66.8 100.2

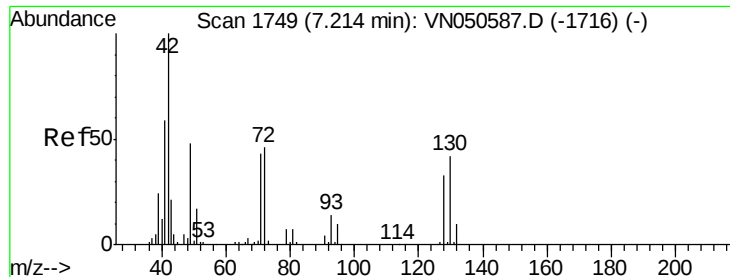


Abundance Ion 48.90 (48.60 to 49.60): VN050587.D (-1722) (-)

Ion 128.80 (128.50 to 129.50): VN050587.D (-1722) (-)

Ion 129.80 (129.50 to 130.50): VN050587.D (-1722) (-)

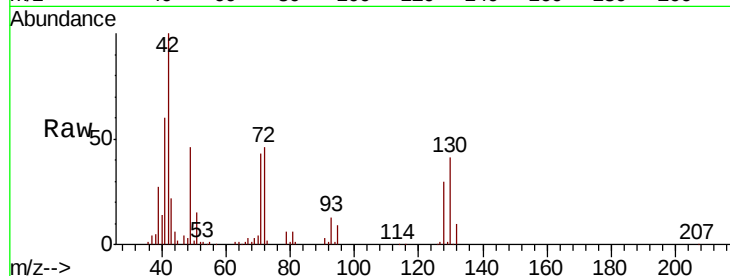




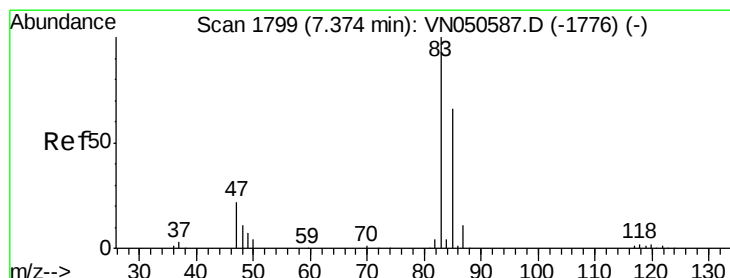
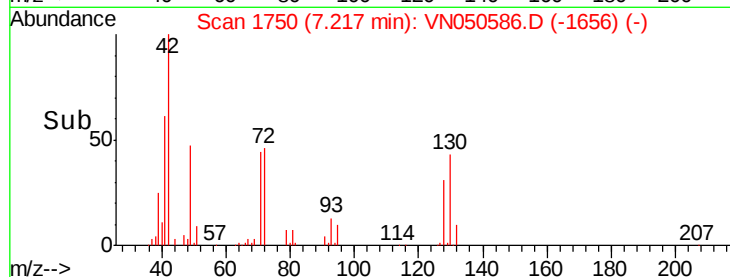
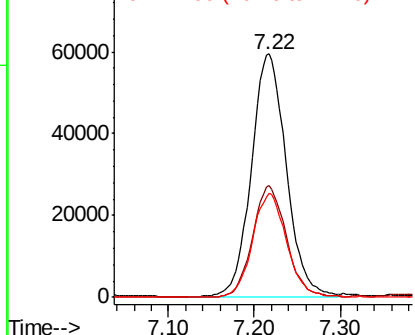
#29
Tetrahydrofuran
Concen: 77.644 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 167631
Ion Ratio Lower Upper
42 100
72 44.6 35.8 53.6
71 42.0 33.4 50.0

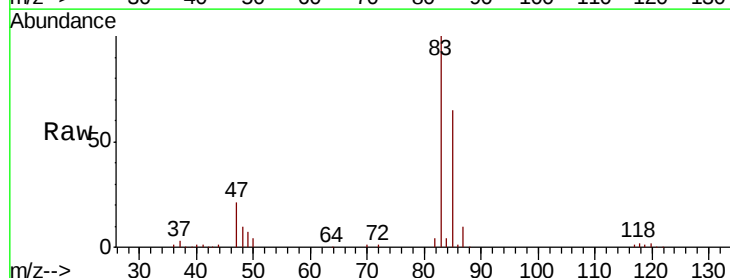


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

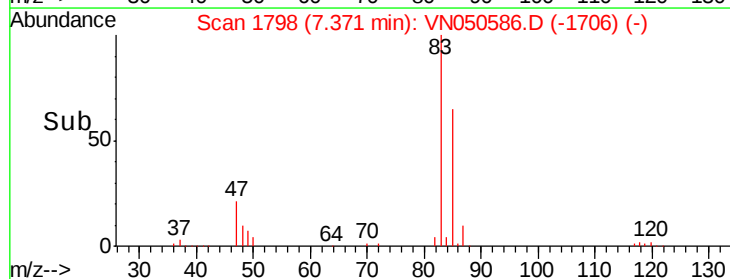
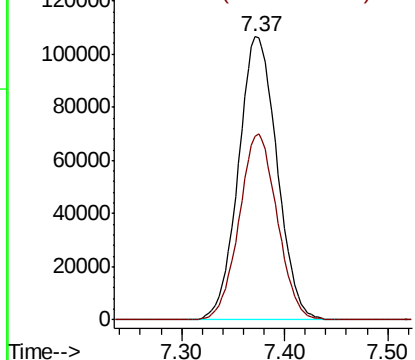


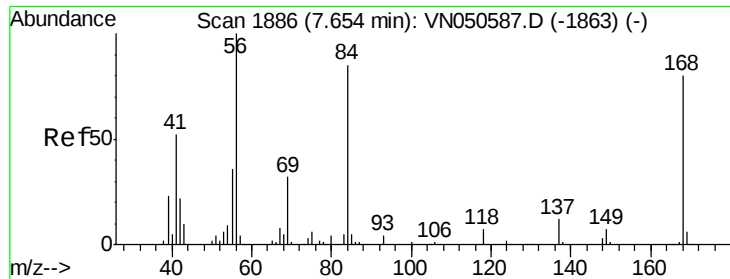
#30
Chloroform
Concen: 20.179 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 83 Resp: 277529
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

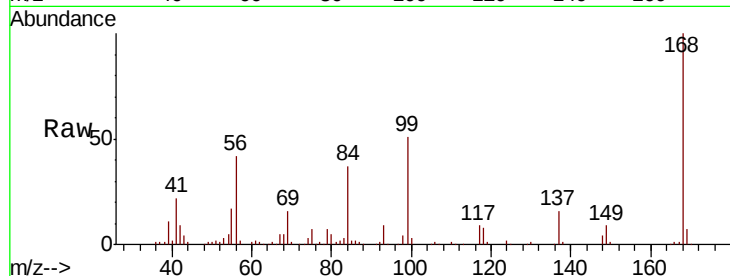




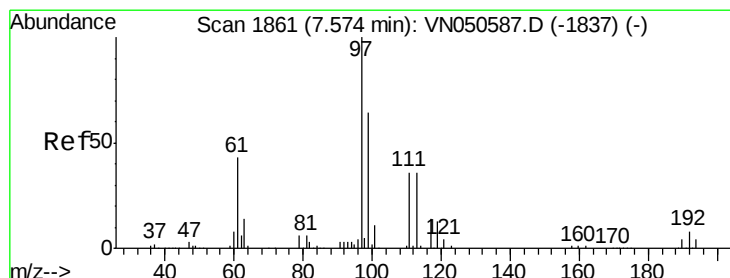
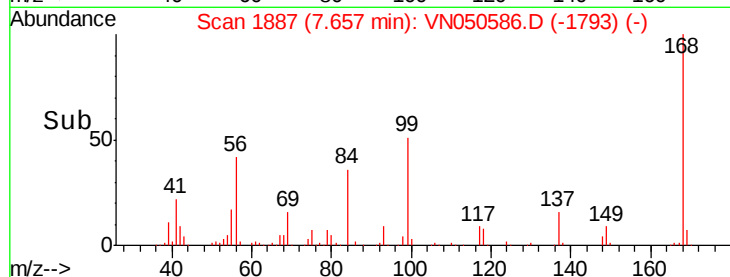
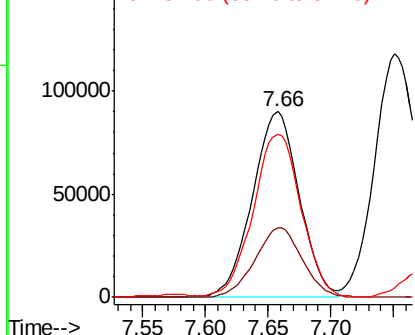
#31
Cyclohexane
Concen: 17.047 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 234916
Ion Ratio Lower Upper
56 100
69 37.3 25.8 38.6
84 86.4 67.8 101.6

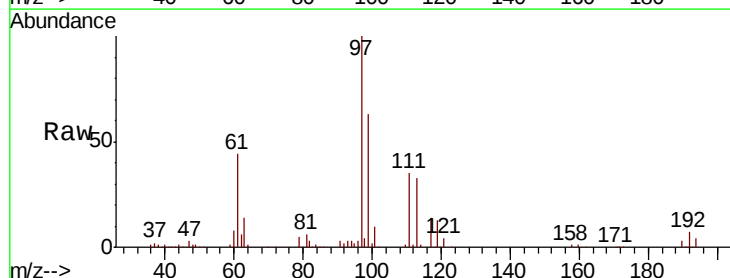


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

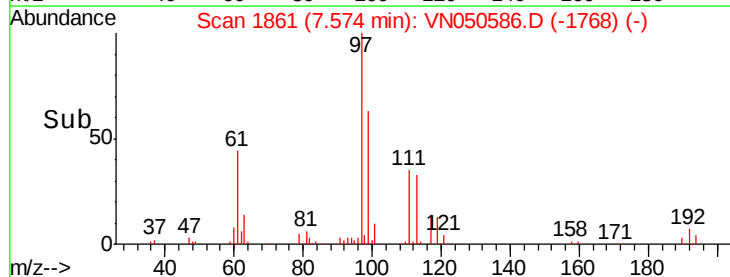
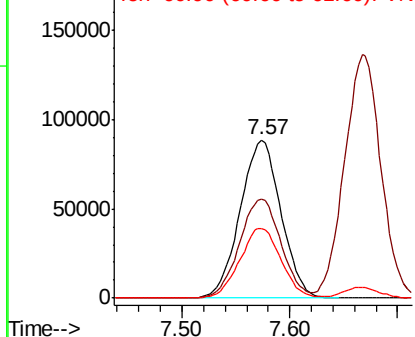


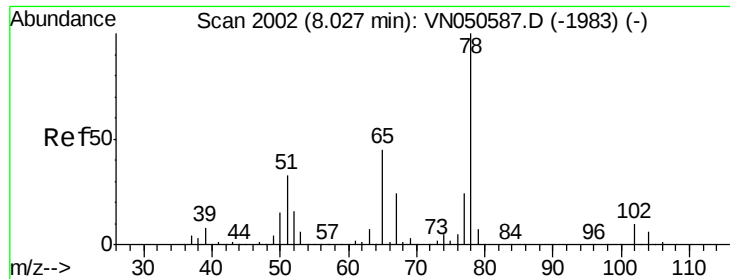
#32
1,1,1-Trichloroethane
Concen: 19.710 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 97 Resp: 232786
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 44.7 34.8 52.2



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

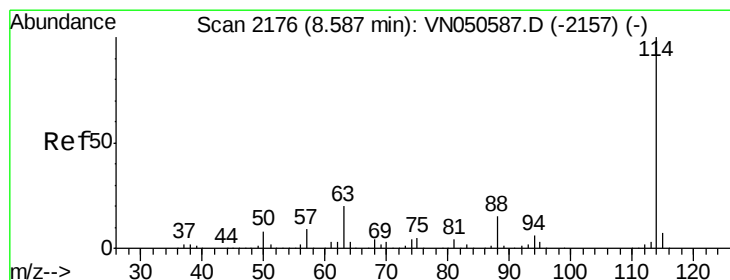
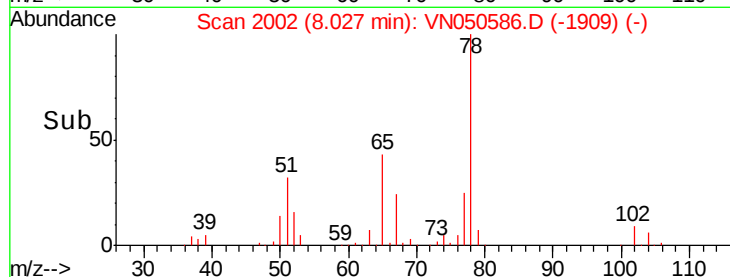
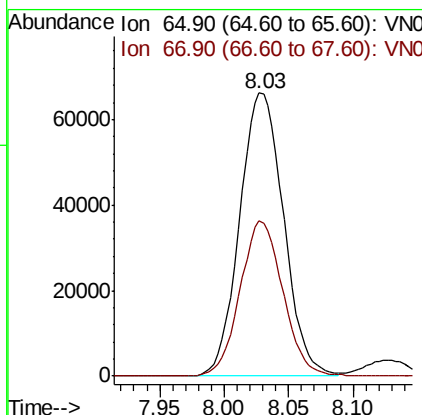
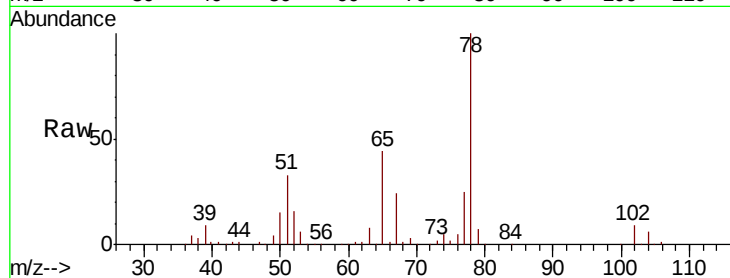




#33
 1,2-Dichloroethane-d4
 Concen: 18.741 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

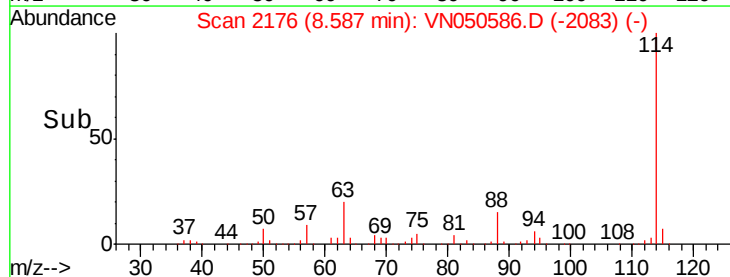
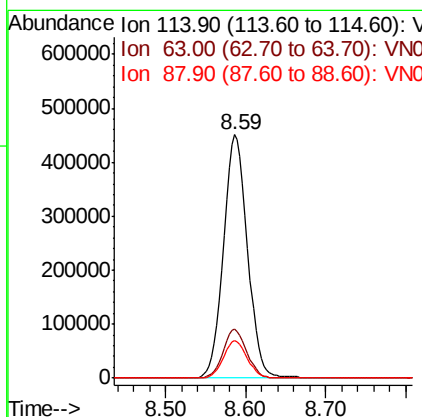
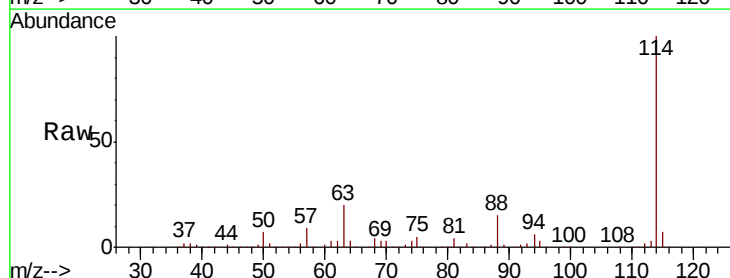
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

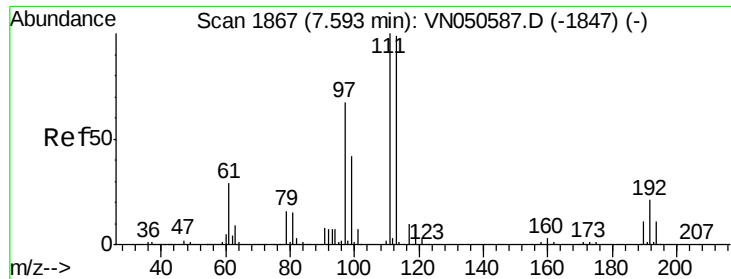
Tot Ion: 65 Resp: 157329
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 114 Resp: 929429
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.3 0.0 30.8

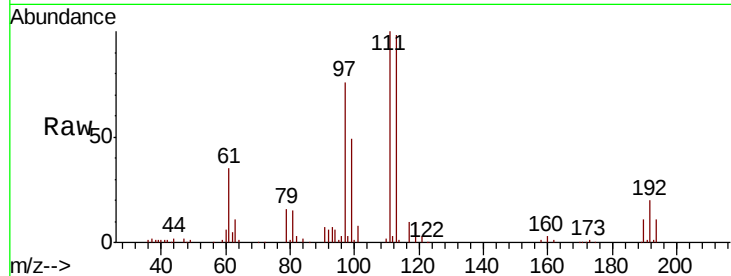




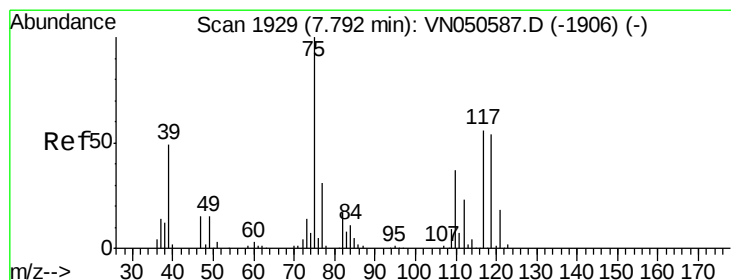
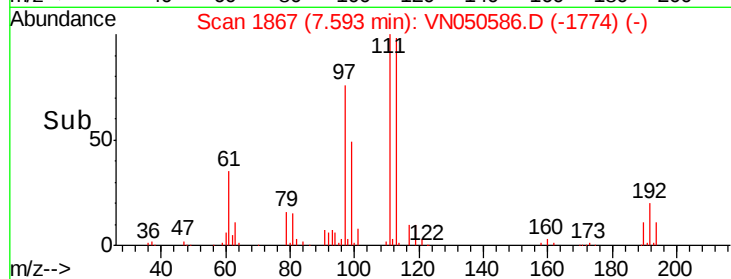
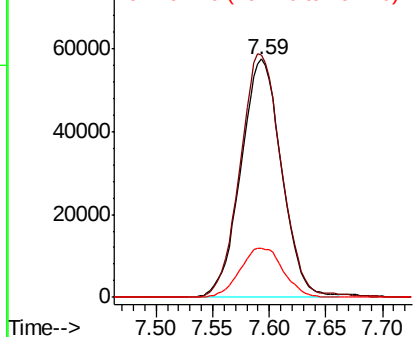
#35
 Dibromofluoromethane
 Concen: 19.250 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:113 Resp: 143750
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.0 121.6
 192 21.8 17.6 26.4

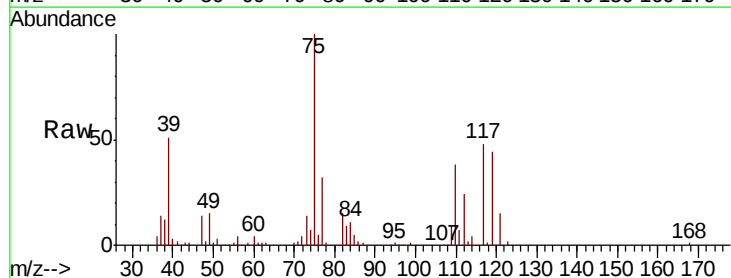


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

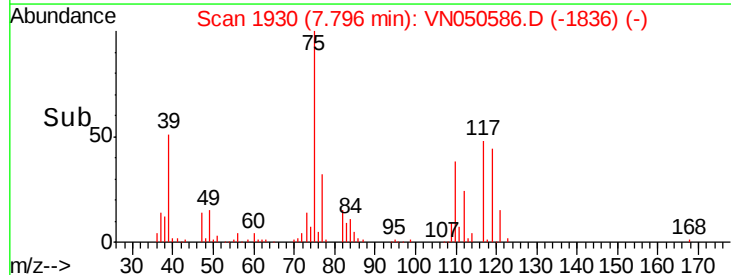
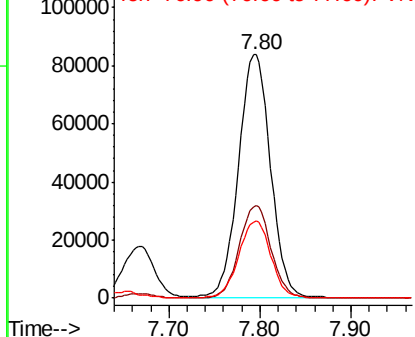


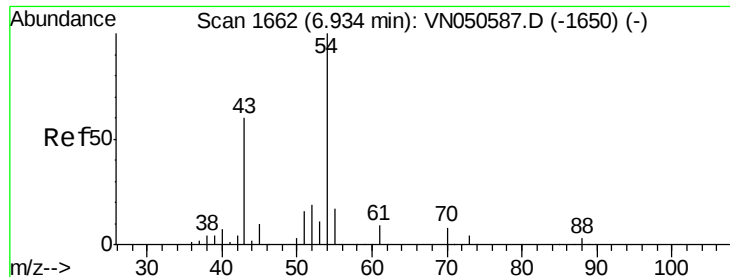
#36
 1,1-Dichloropropene
 Concen: 20.033 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 75 Resp: 204286
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.3 54.9
 77 32.1 25.0 37.4



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

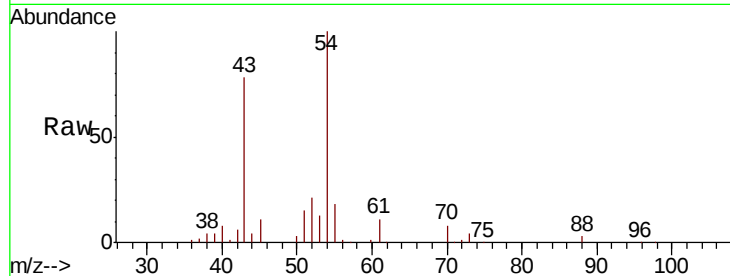




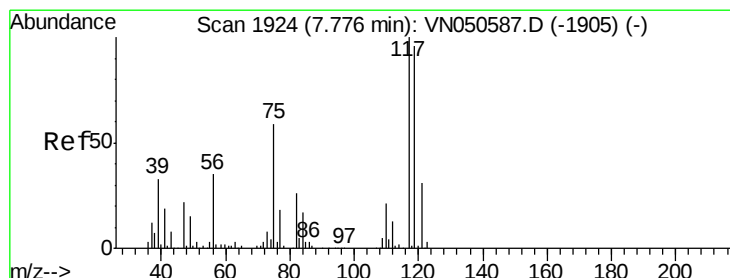
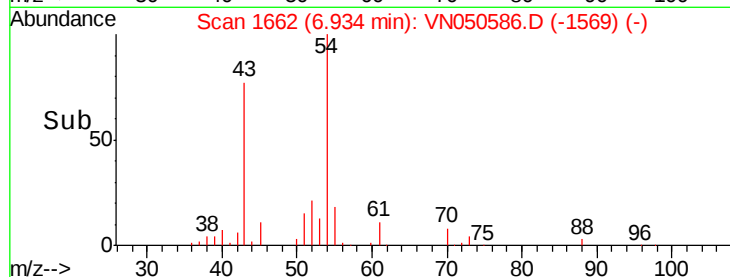
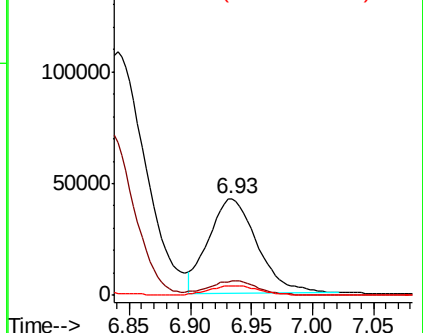
#37
Ethyl Acetate
Concen: 16.853 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 118938
Ion Ratio Lower Upper
43 100
61 15.9 12.0 18.0
70 11.0 8.5 12.7

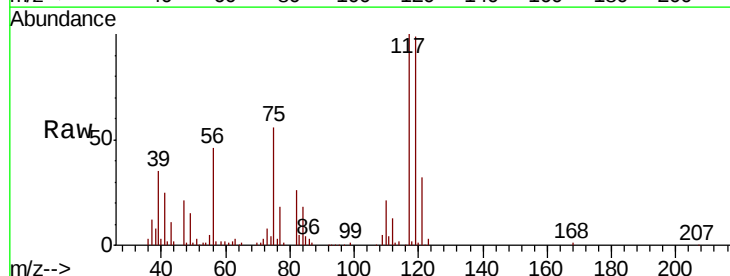


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

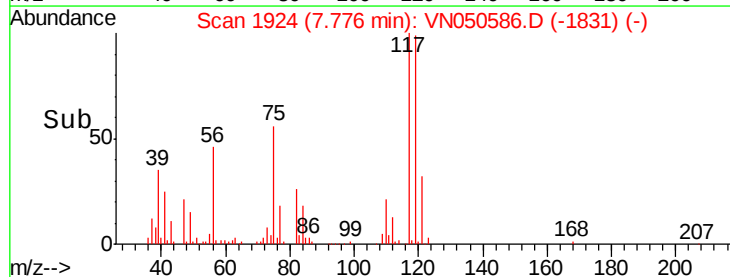
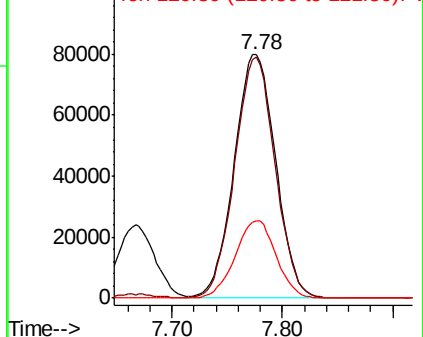


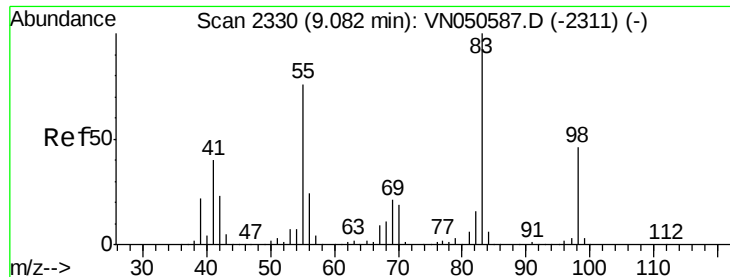
#38
Carbon Tetrachloride
Concen: 19.612 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 117 Resp: 208617
Ion Ratio Lower Upper
117 100
119 98.9 76.6 115.0
121 31.9 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

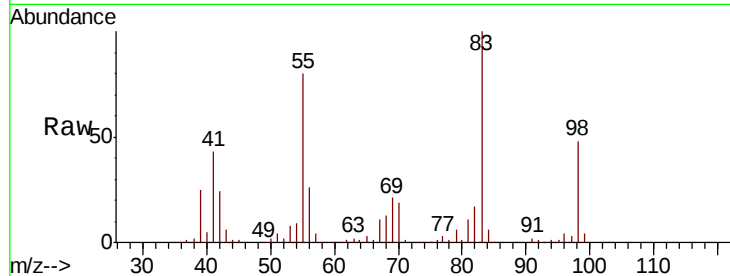




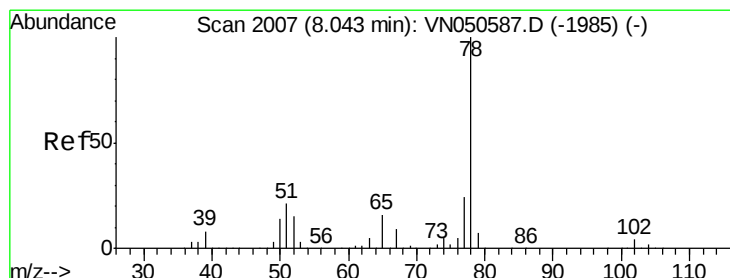
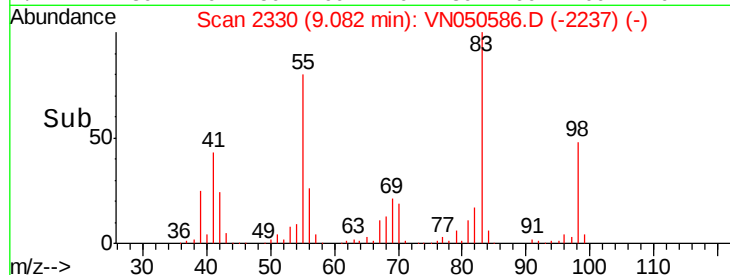
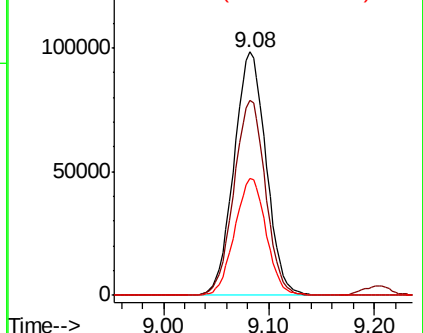
#39
Methvlcvclohexane
Concen: 18.676 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 207768
Ion Ratio Lower Upper
83 100
55 80.2 60.6 91.0
98 47.8 37.0 55.4

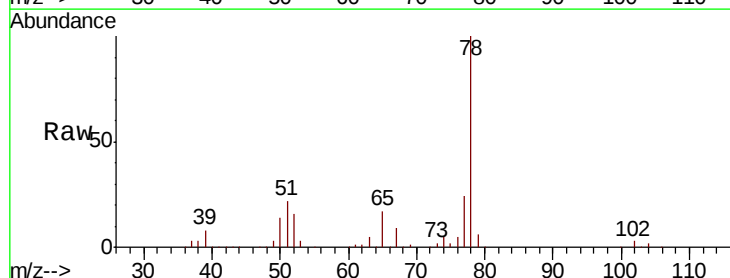


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

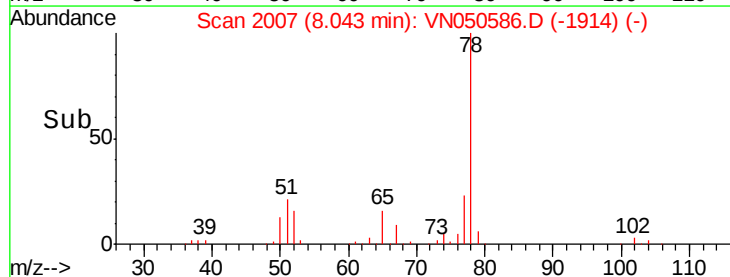
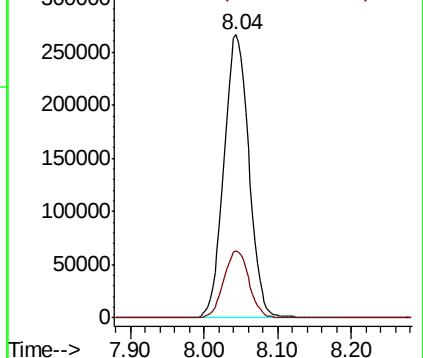


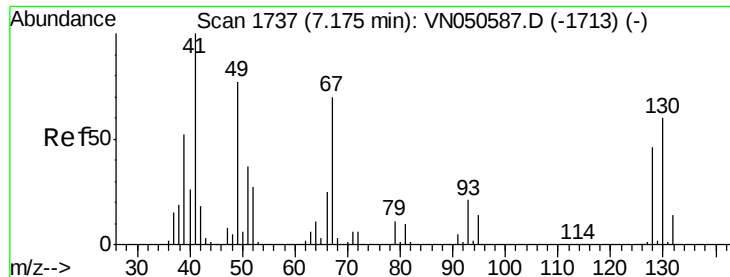
#40
Benzene
Concen: 20.019 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 78 Resp: 628460
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



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

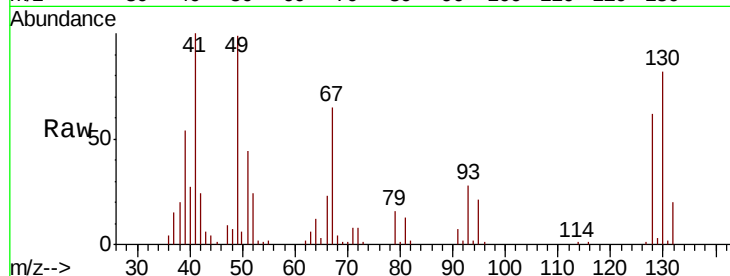




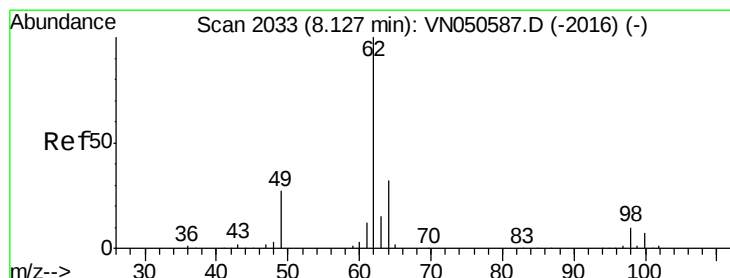
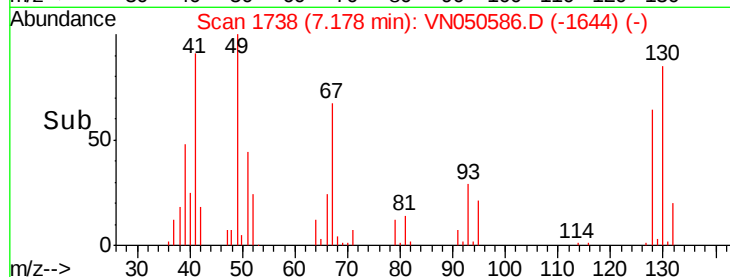
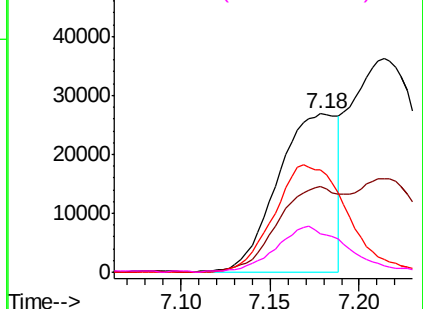
#41
Methacrylonitrile
Concen: 16.413 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 41 Resp: 62543
Ion Ratio Lower Upper
41 100
39 56.9 44.6 66.8
67 83.8 66.7 100.1
52 35.5 26.5 39.7

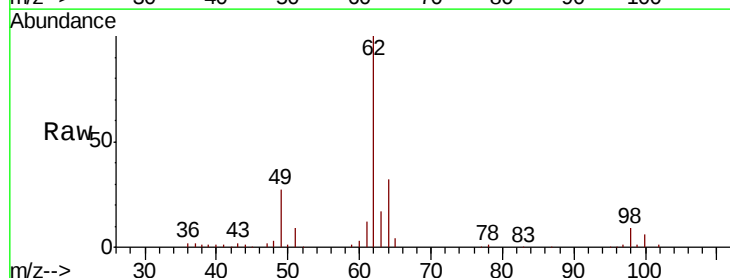


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

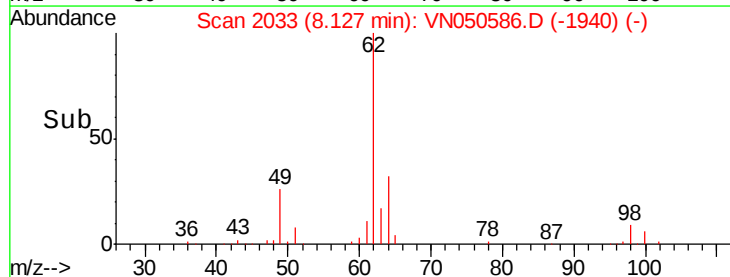
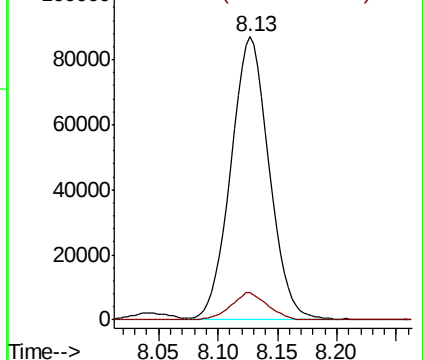


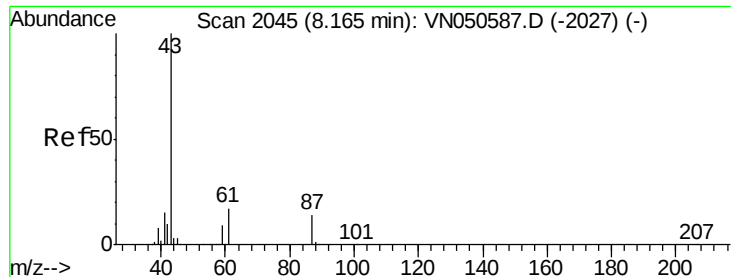
#42
1,2-Dichloroethane
Concen: 19.561 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 62 Resp: 193137
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 17.387 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

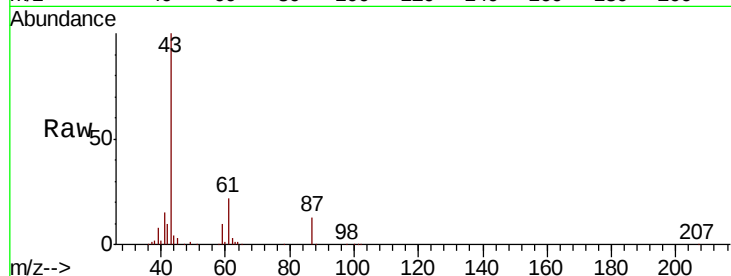
Tot Ion: 43 Resp: 214165

Ion Ratio Lower Upper

43 100

61 19.7 16.2 24.2

87 13.0 10.9 16.3

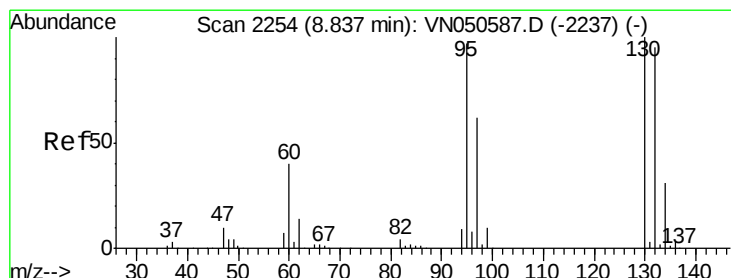
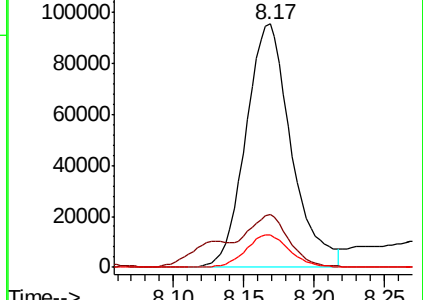
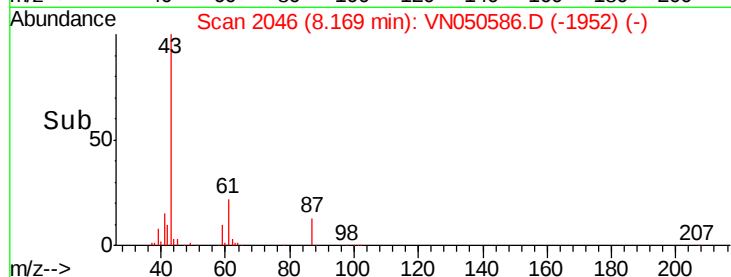


Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)

Time-->



#44

Trichloroethene

Concen: 19.428 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050586.D

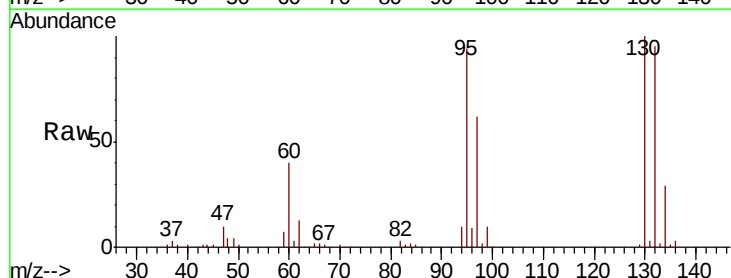
Acq: 14 Aug 2018 00:35

Tgt Ion: 130 Resp: 164045

Ion Ratio Lower Upper

130 100

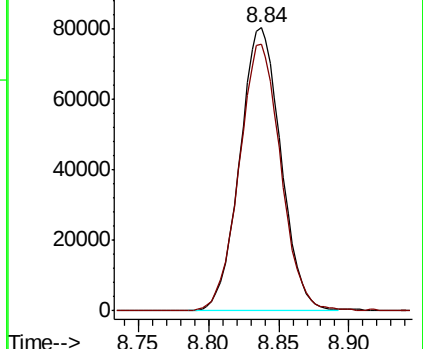
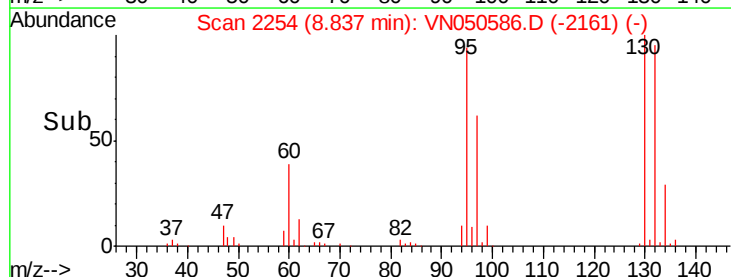
95 94.4 0.0 193.8

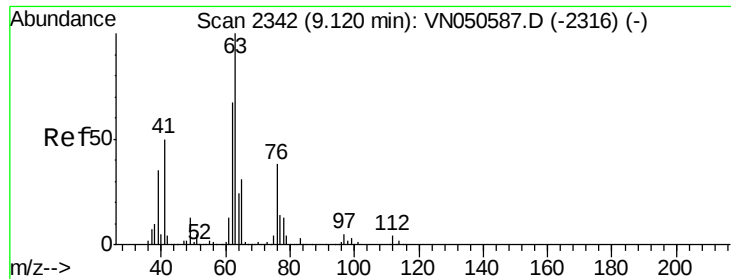


Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.014 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

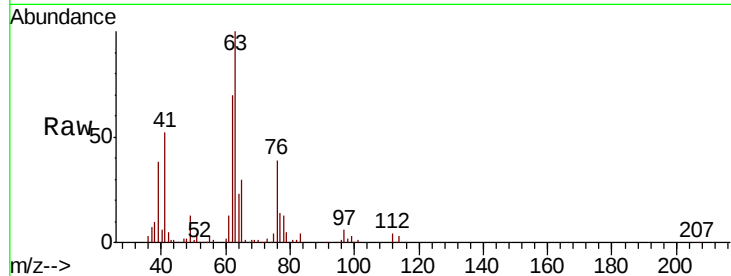
VSTDIC020

Tot Ion: 63 Resp: 165100

Ion Ratio Lower Upper

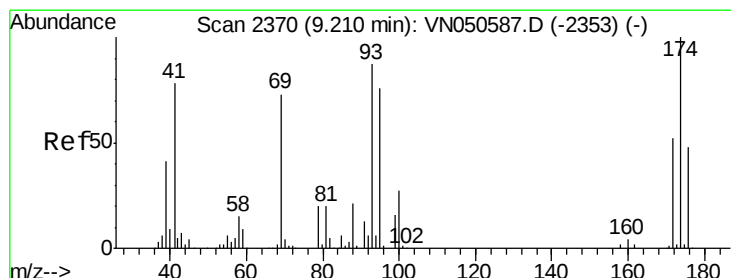
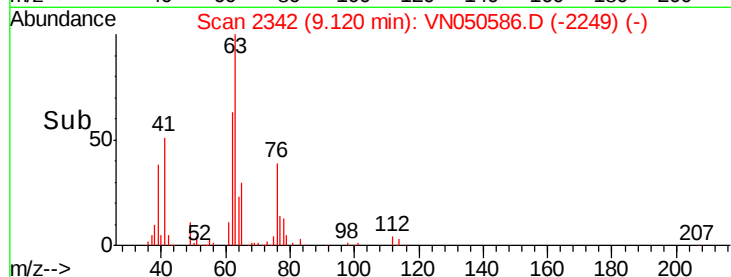
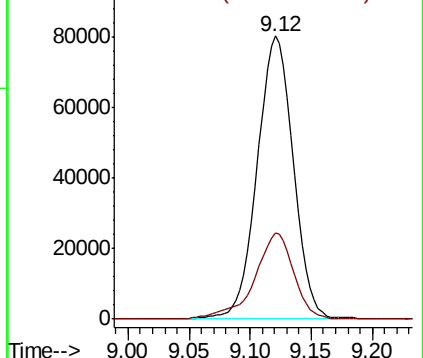
63 100

65 30.2 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.222 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

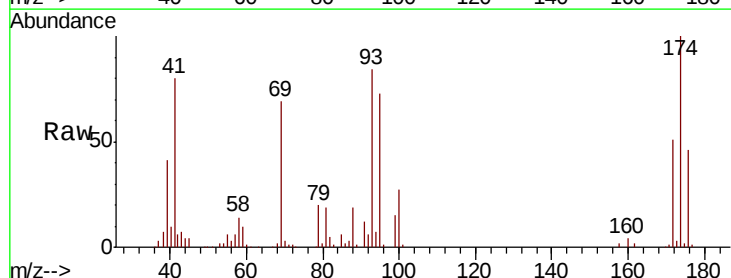
Tgt Ion: 93 Resp: 96860

Ion Ratio Lower Upper

93 100

95 83.4 69.1 103.7

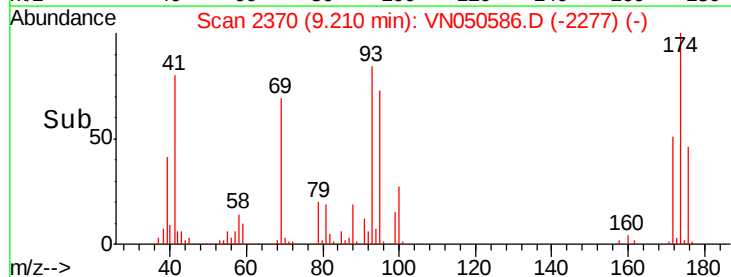
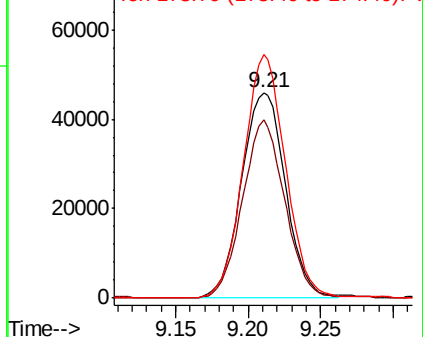
174 113.6 91.0 136.6

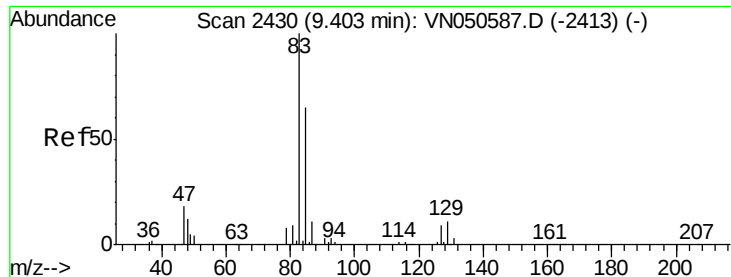


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

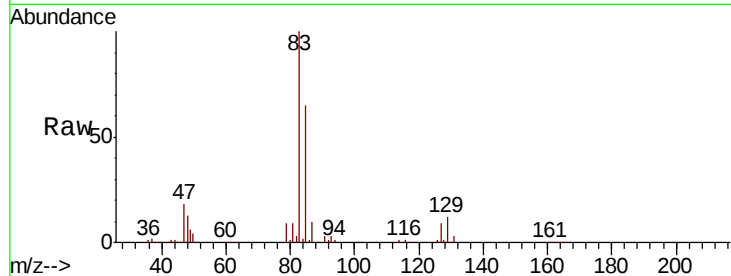




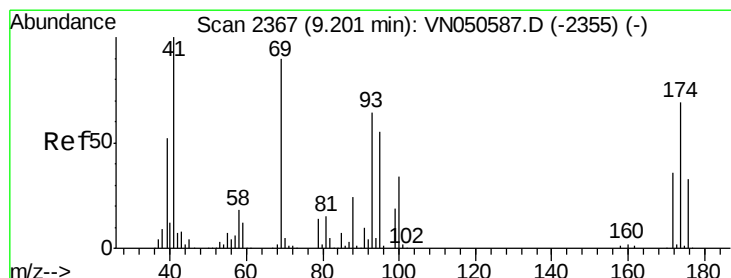
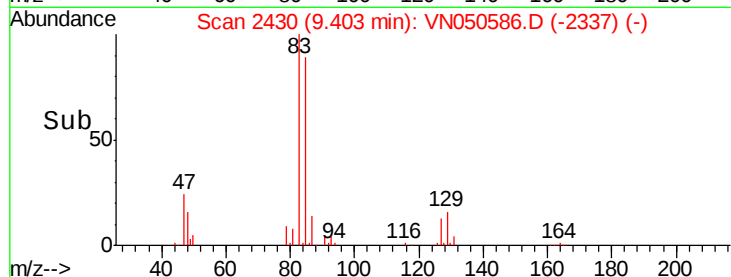
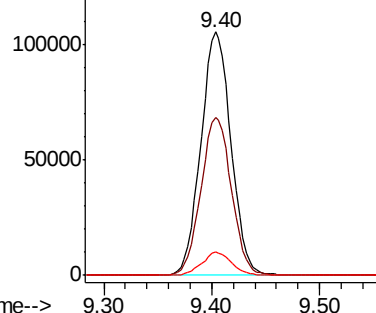
#47
Bromodichloromethane
Concen: 19.454 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 83 Resp: 205060
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.6
127 9.4 7.2 10.8

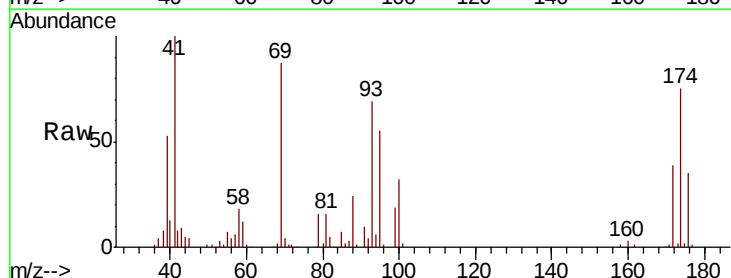


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

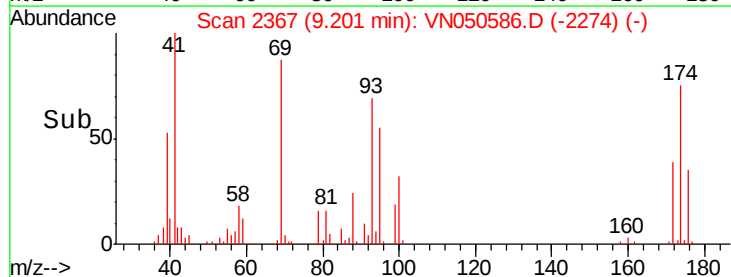
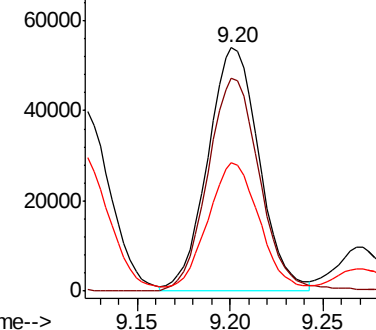


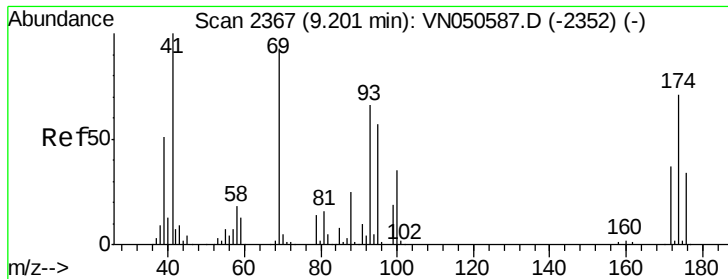
#48
Methyl methacrylate
Concen: 16.817 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 41 Resp: 103404
Ion Ratio Lower Upper
41 100
69 89.4 73.4 110.0
39 52.8 43.0 64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 294.695 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

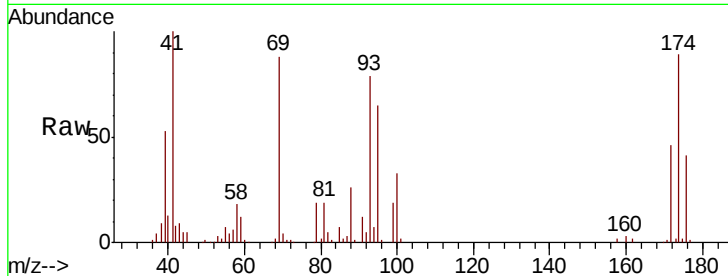
Tot Ion: 88 Resp: 27544

Ion Ratio Lower Upper

88 100

43 33.9 25.9 38.9

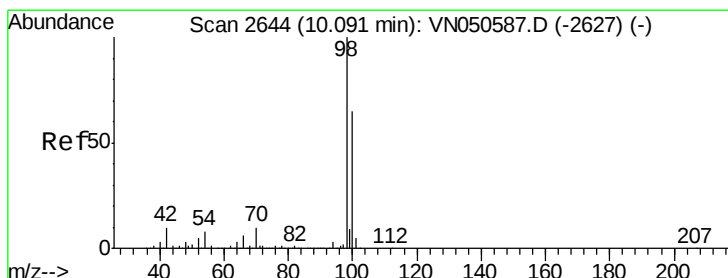
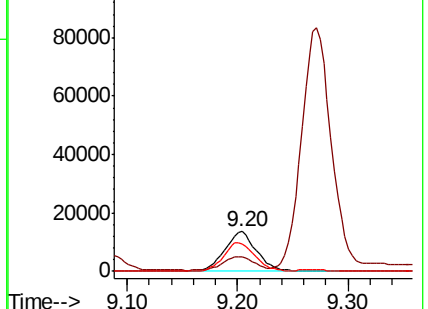
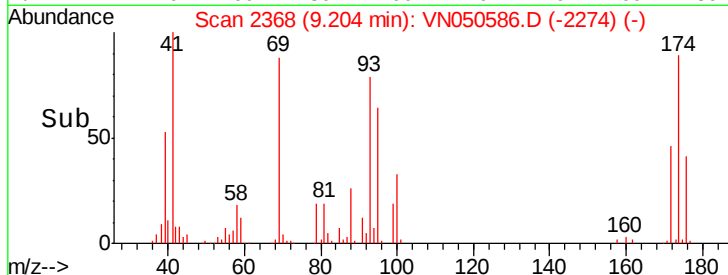
58 70.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN050587.D (-2352) (-)

Ion 43.00 (42.70 to 43.70): VN050587.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2352) (-)



#50

Toluene-d8

Concen: 19.101 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050586.D

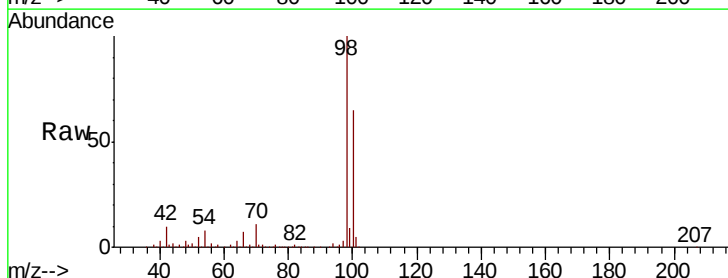
Acq: 14 Aug 2018 00:35

Tgt Ion: 98 Resp: 536169

Ion Ratio Lower Upper

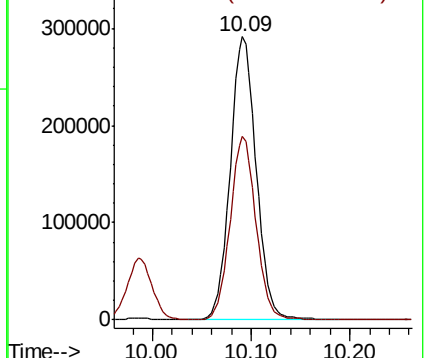
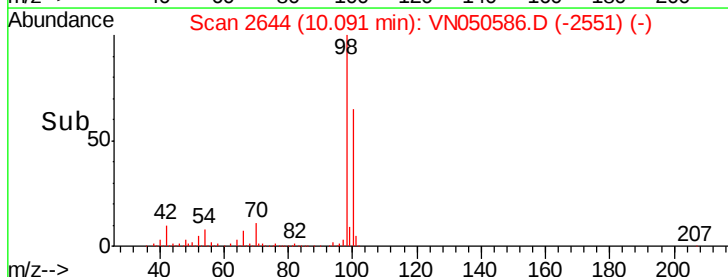
98 100

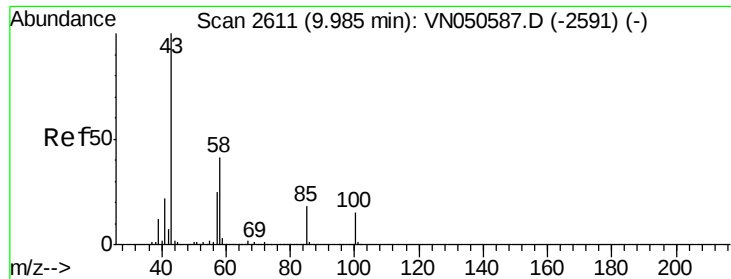
100 64.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 83.677 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

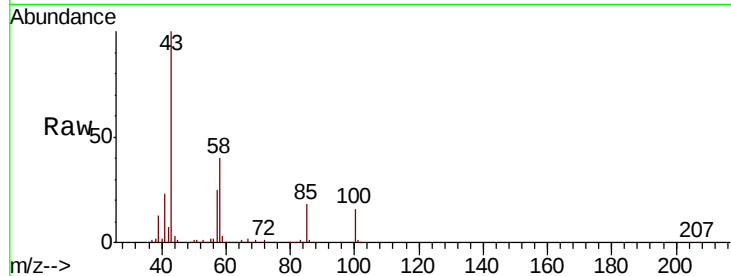
VSTDIC020

Tot Ion: 43 Resp: 735883

Ion Ratio Lower Upper

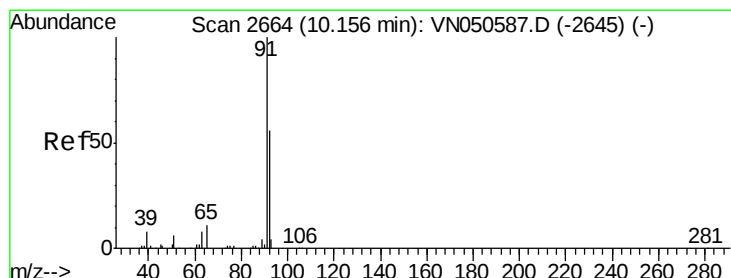
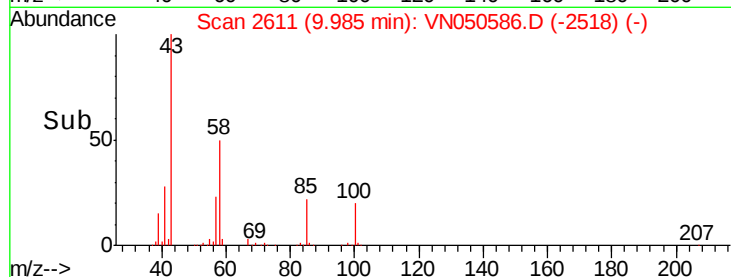
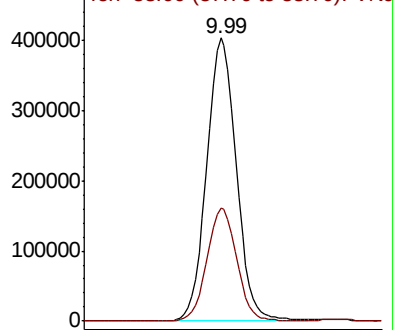
43 100

58 40.1 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.553 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050586.D

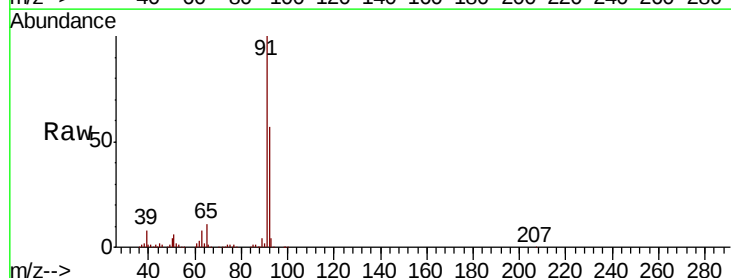
Acq: 14 Aug 2018 00:35

Tgt Ion: 92 Resp: 387083

Ion Ratio Lower Upper

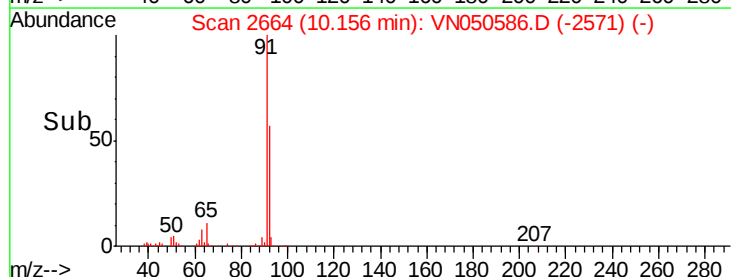
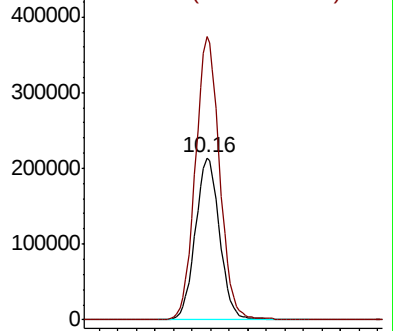
92 100

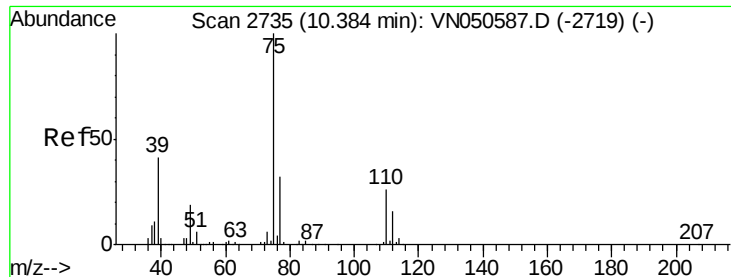
91 175.1 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.136 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampled :

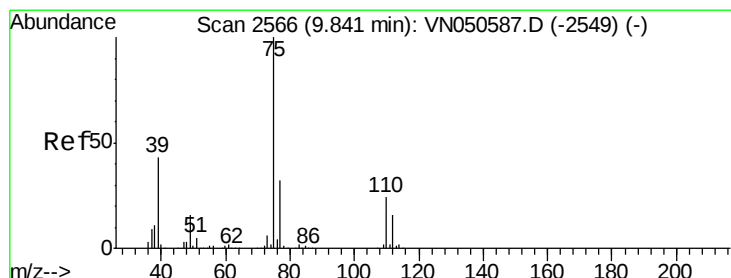
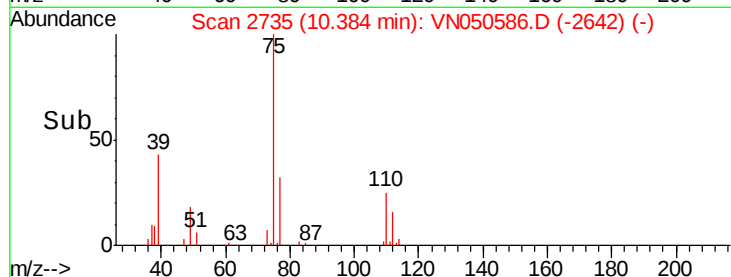
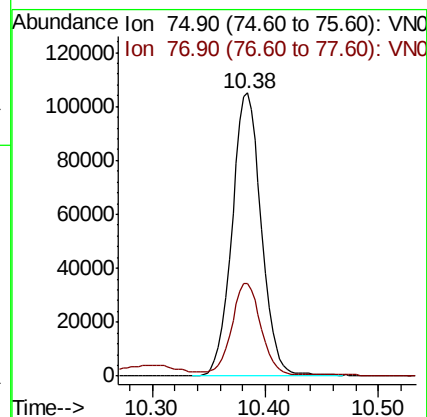
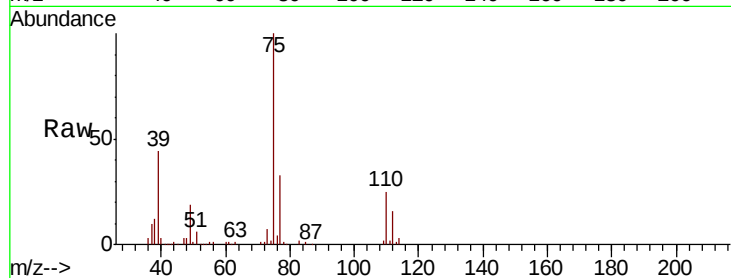
VSTDIC020

Tot Ion: 75 Resp: 189801

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.109 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

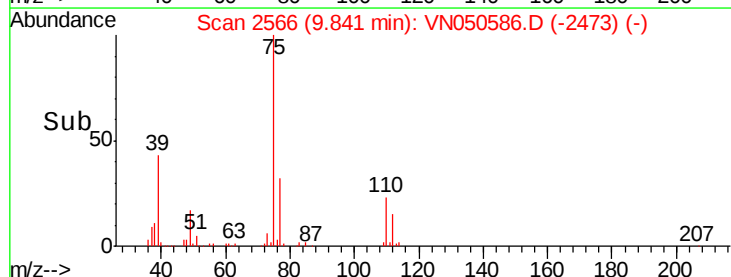
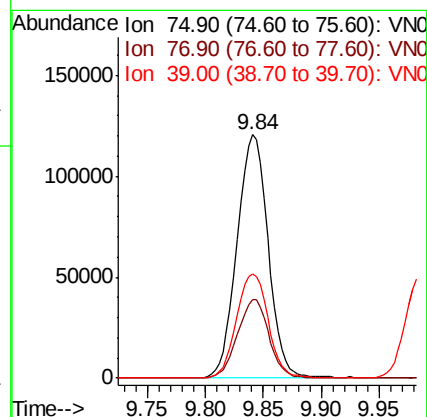
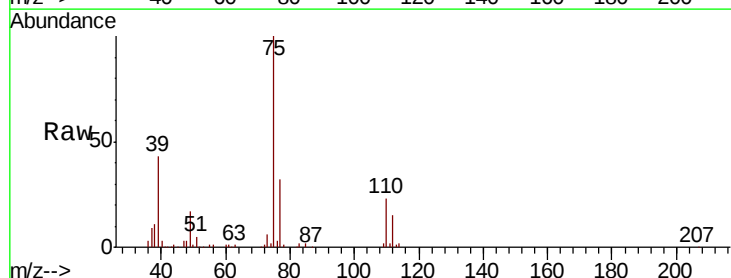
Tgt Ion: 75 Resp: 224381

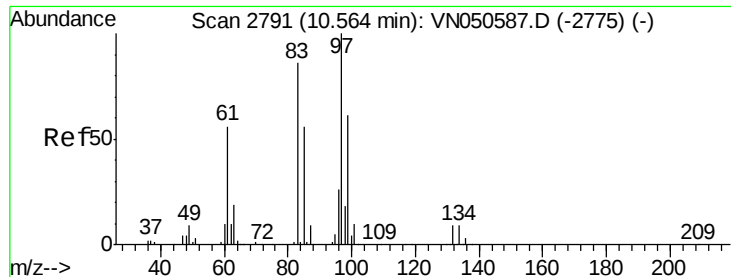
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 42.5 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 19.005 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 138518

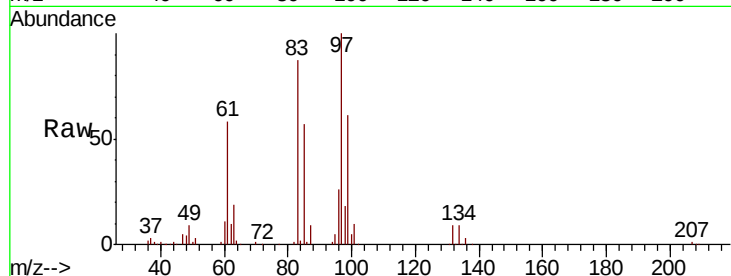
Ion Ratio Lower Upper

97 100

83 86.8 68.5 102.7

85 56.7 44.6 66.8

99 60.8 49.1 73.7

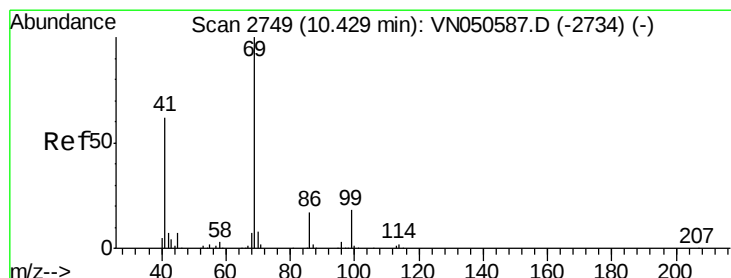
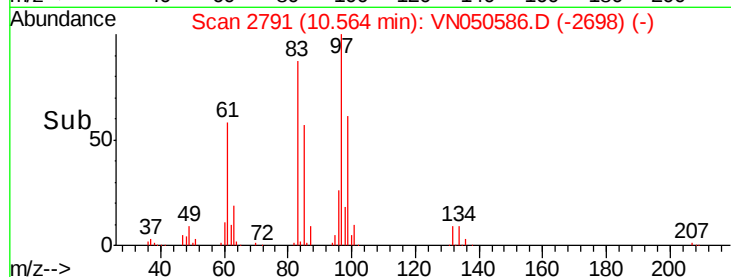
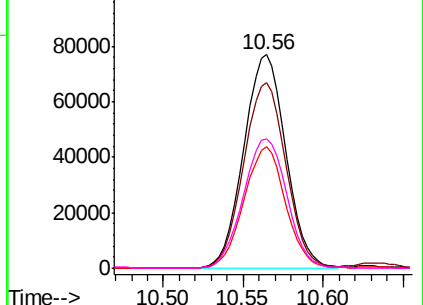


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.414 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

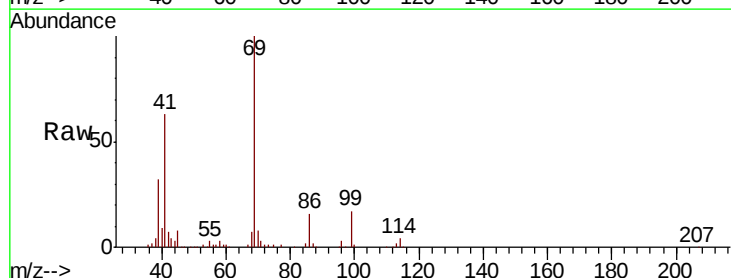
Tgt Ion: 69 Resp: 157945

Ion Ratio Lower Upper

69 100

41 61.6 49.7 74.5

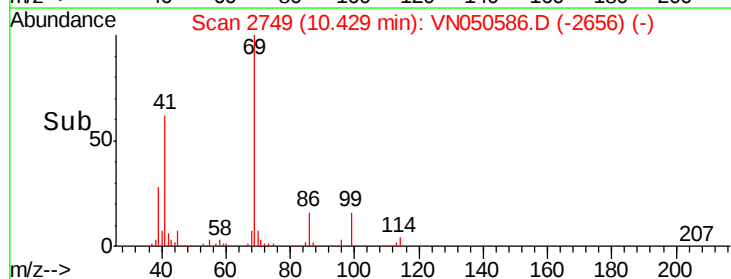
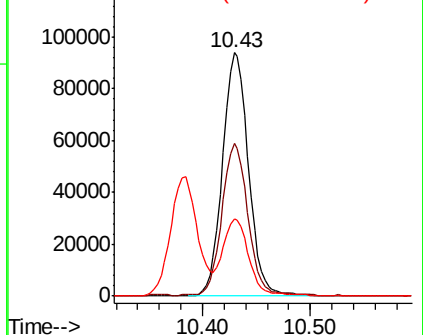
39 30.0 24.2 36.2

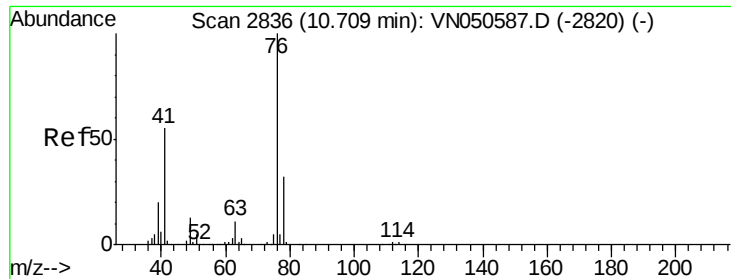


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

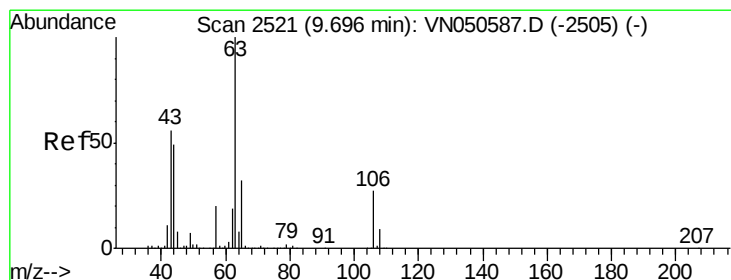
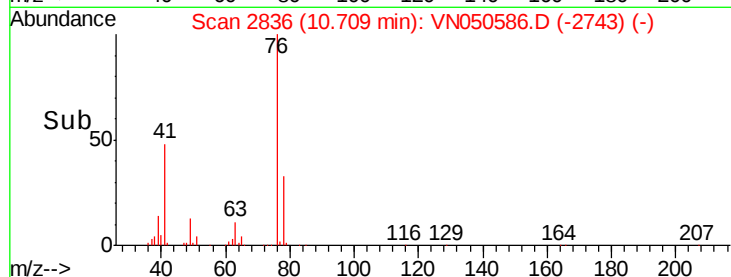
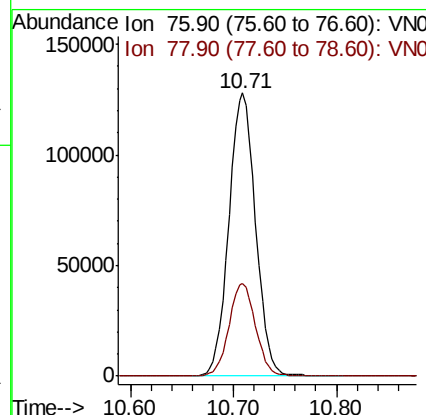
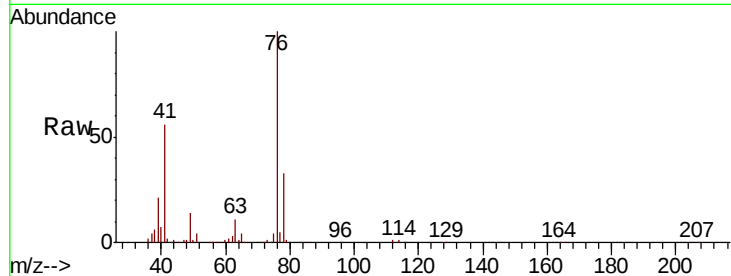




#57
 1,3-Dichloropropane
 Concen: 19.317 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

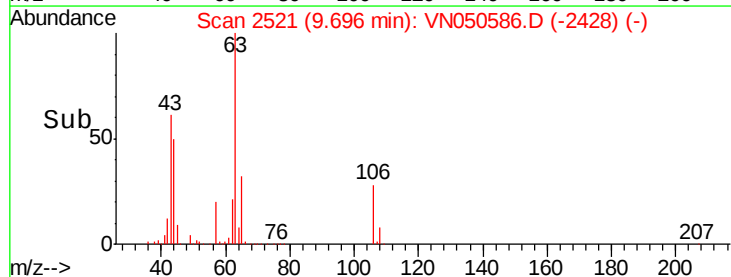
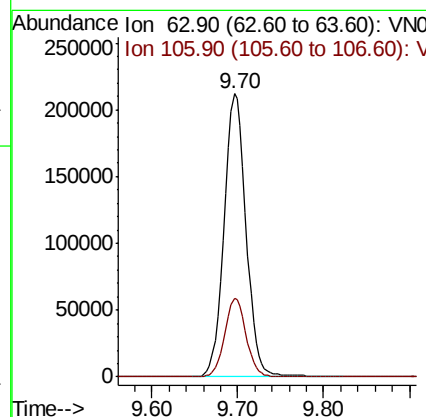
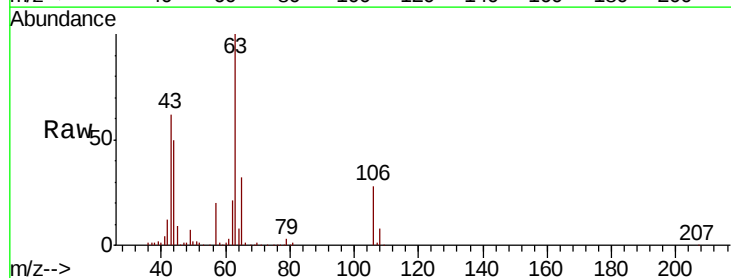
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

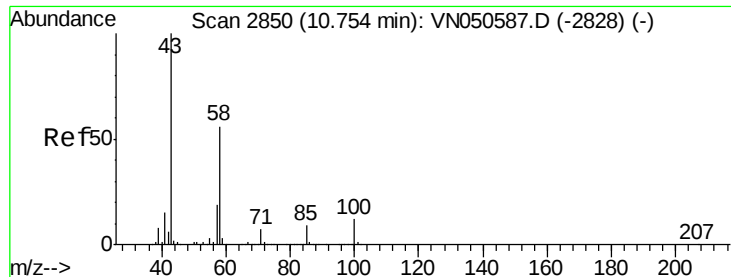
Tot Ion: 76 Resp: 231341
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.978 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 63 Resp: 377032
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5

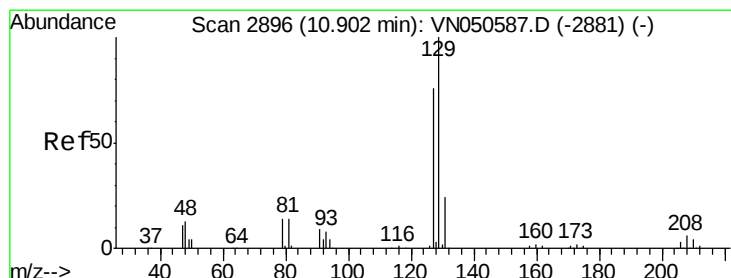
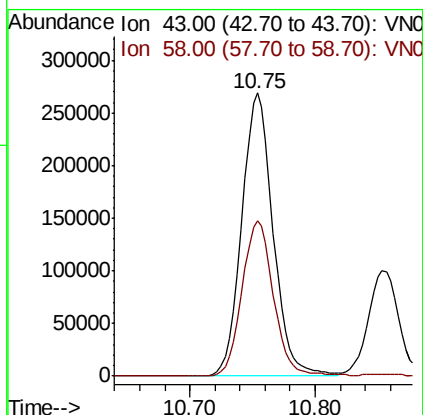
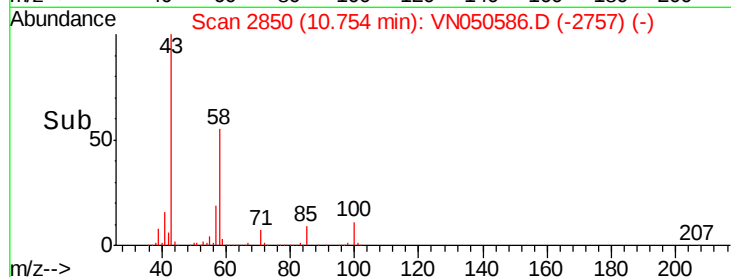
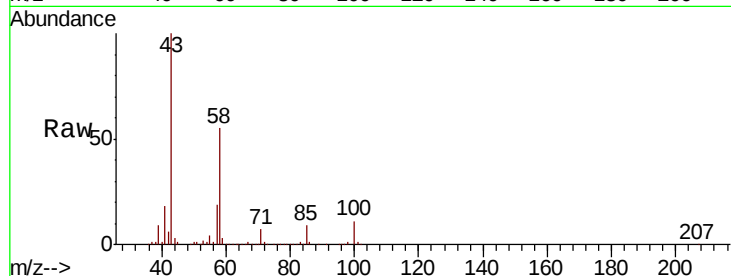




#59
2-Hexanone
Concen: 76.458 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

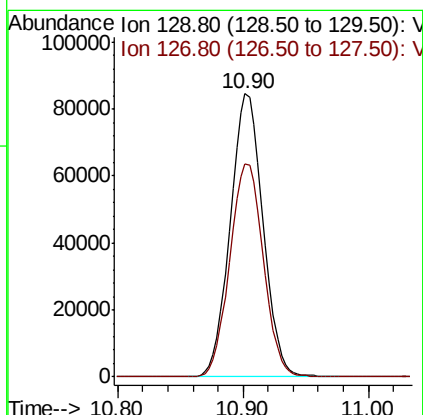
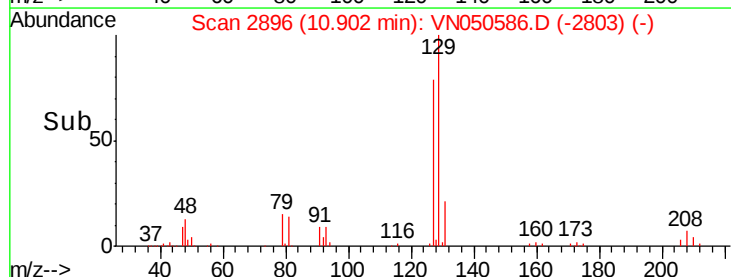
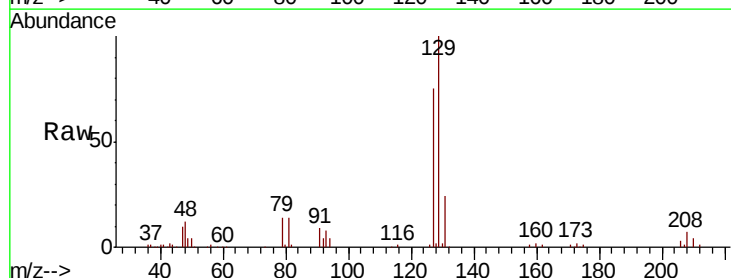
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

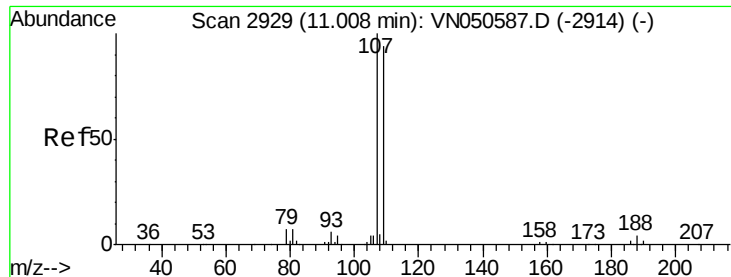
Tot Ion: 43 Resp: 466274
Ion Ratio Lower Upper
43 100
58 55.4 28.0 84.0



#60
Dibromochloromethane
Concen: 19.076 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 129 Resp: 153384
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7

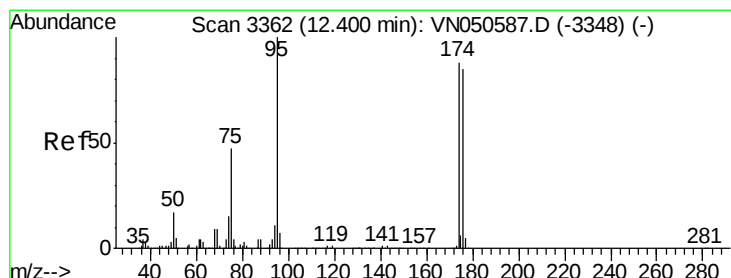
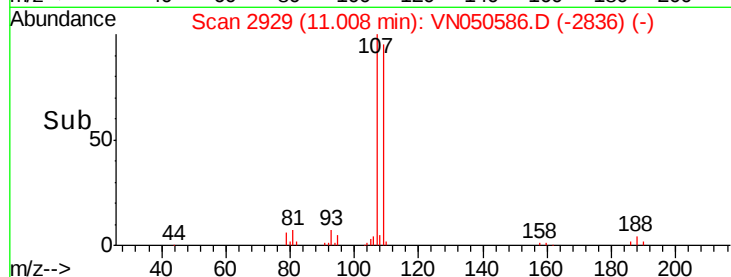
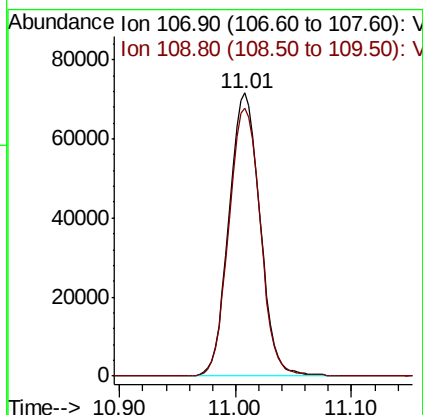
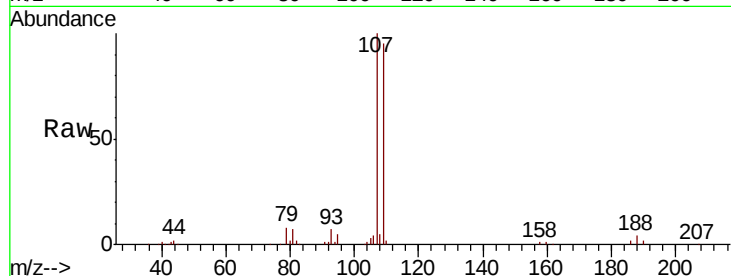




#61
 1,2-Dibromoethane
 Concen: 18.532 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

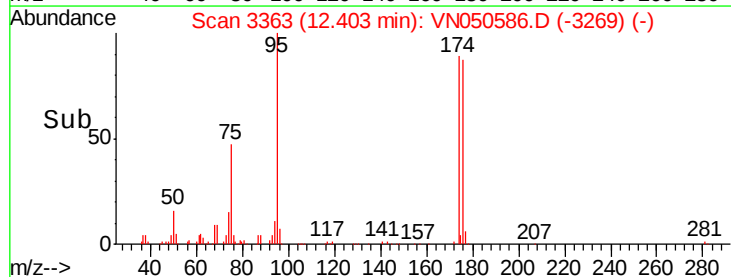
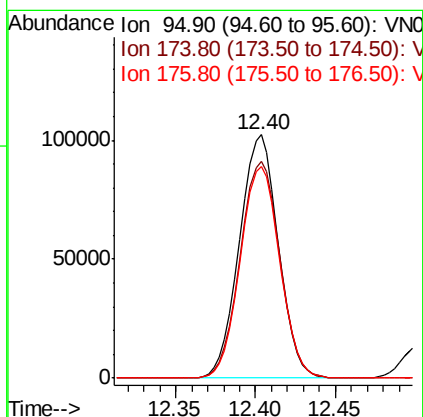
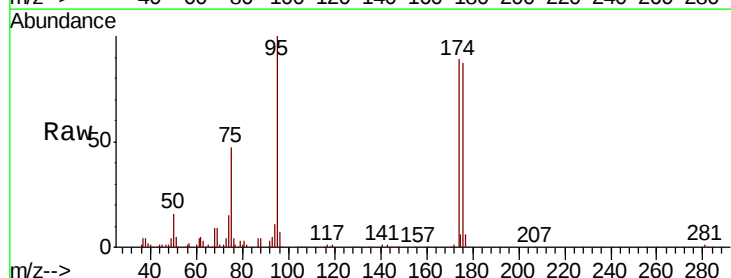
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

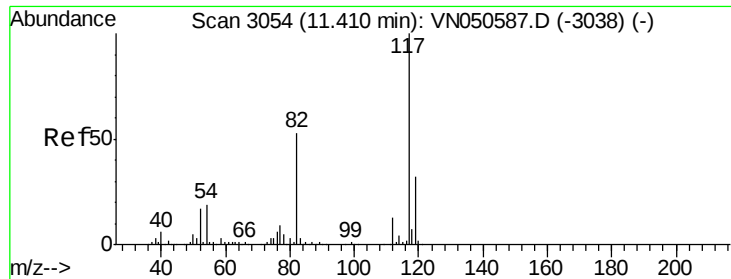
Tot Ion:107 Resp: 132556
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 17.803 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 95 Resp: 169483
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 177.8
 176 88.5 0.0 175.0

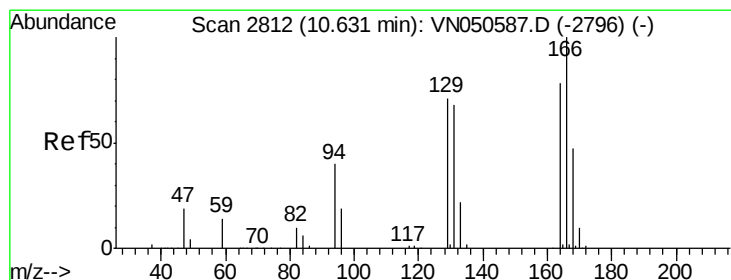
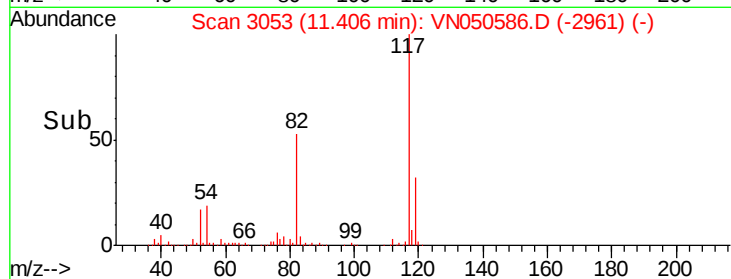
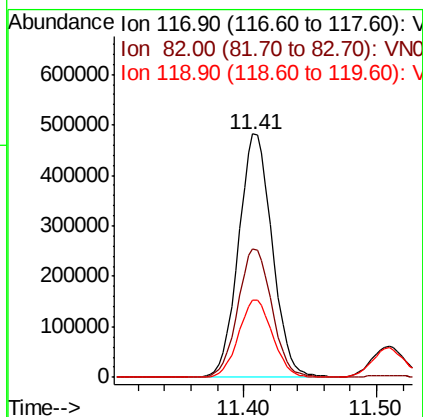
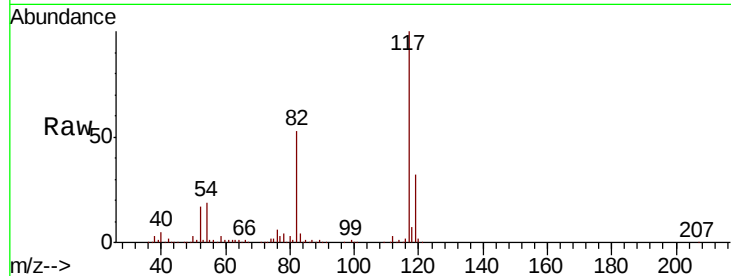




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

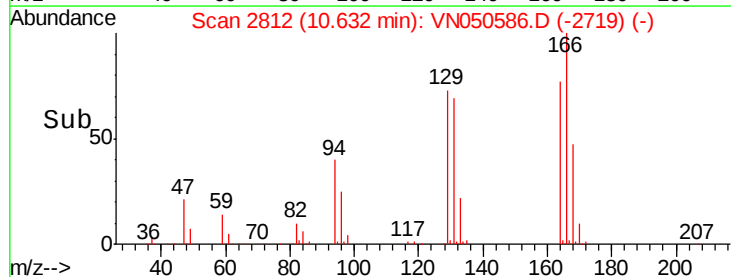
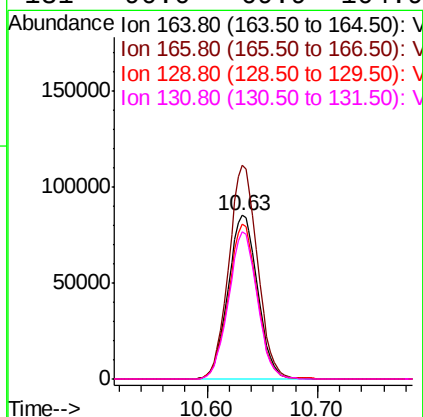
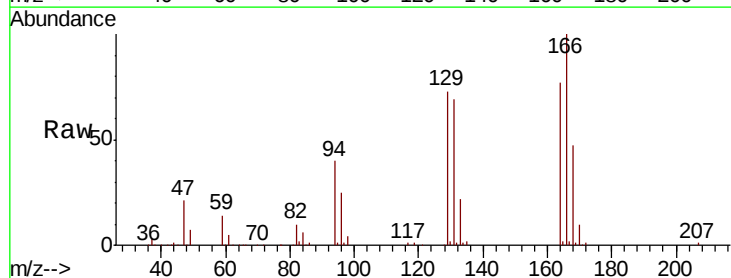
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

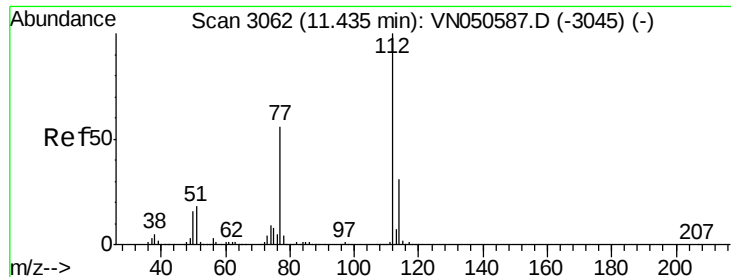
Tot Ion:117 Resp: 850474
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 20.002 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion:164 Resp: 158710
Ion Ratio Lower Upper
164 100
166 130.4 102.1 153.1
129 94.6 72.7 109.1
131 90.0 69.9 104.9

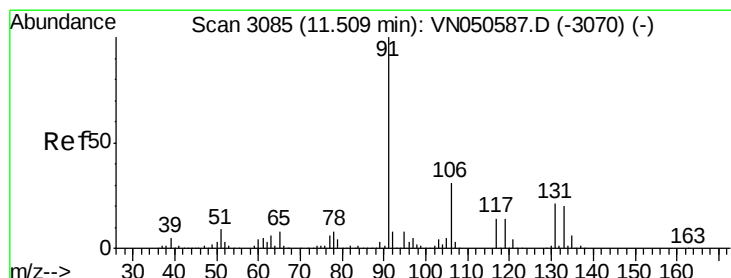
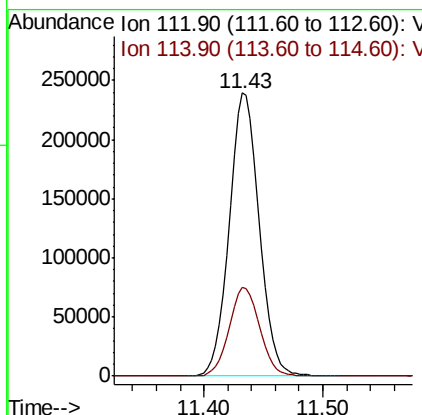
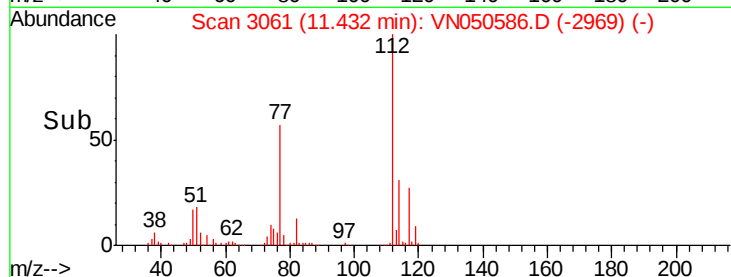
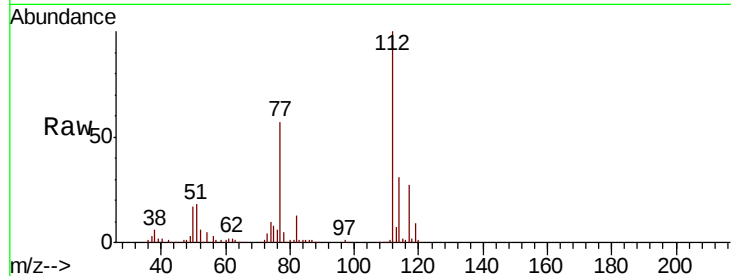




#65
Chlorobenzene
Concen: 19.546 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

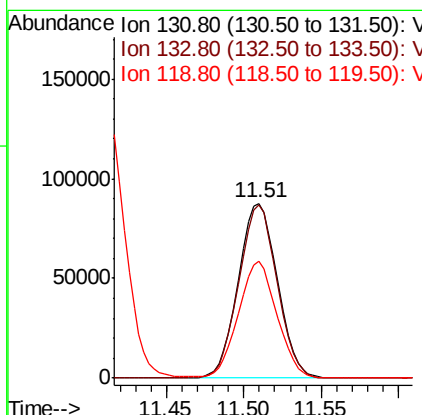
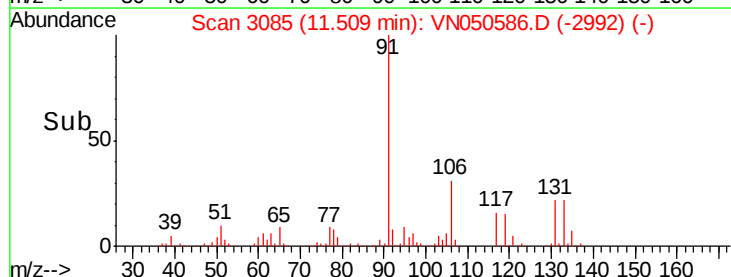
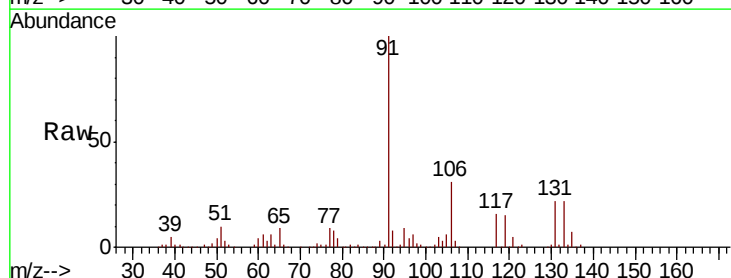
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

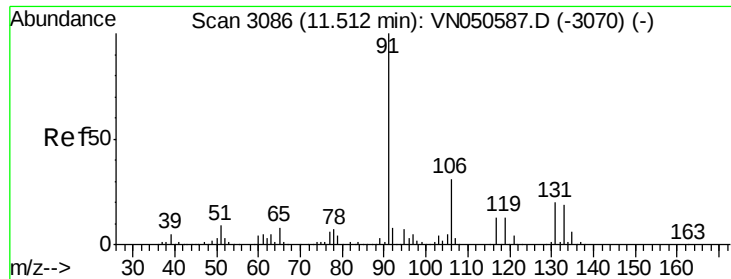
Tot Ion:112 Resp: 416943
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.861 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion:131 Resp: 154568
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 65.8 33.1 99.3

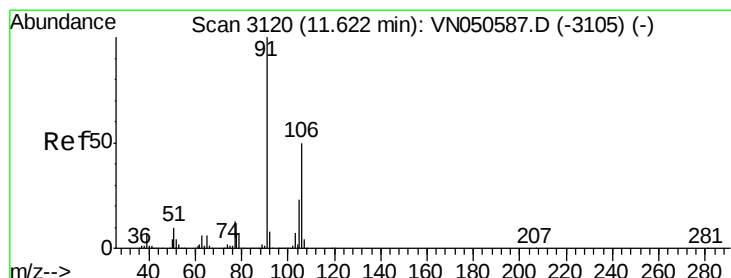
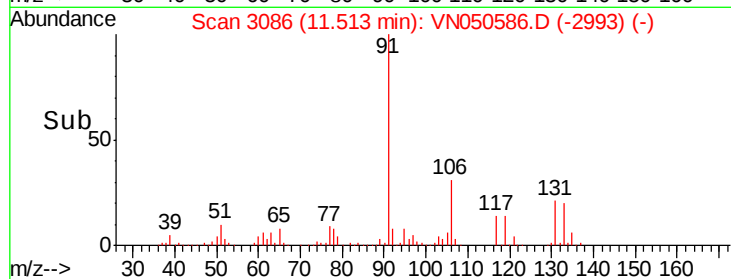
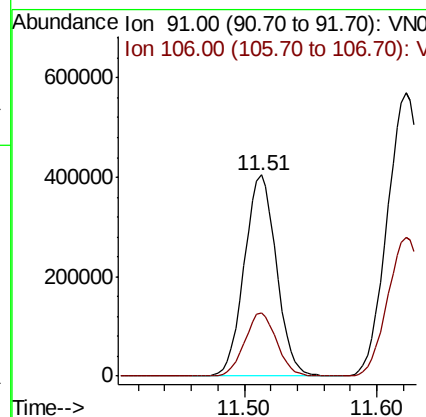
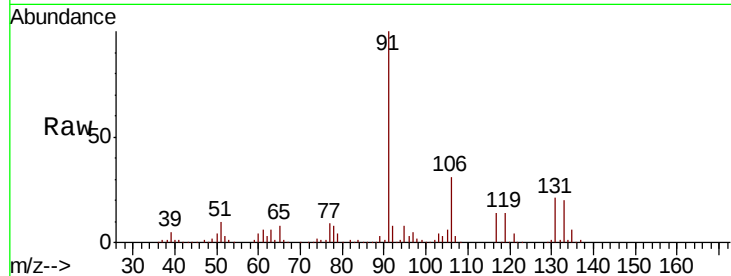




#67
Ethyl Benzene
Concen: 19.788 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

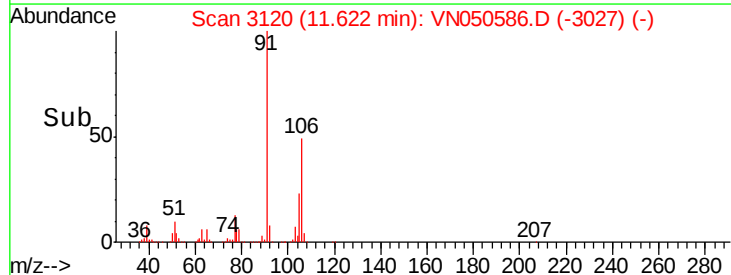
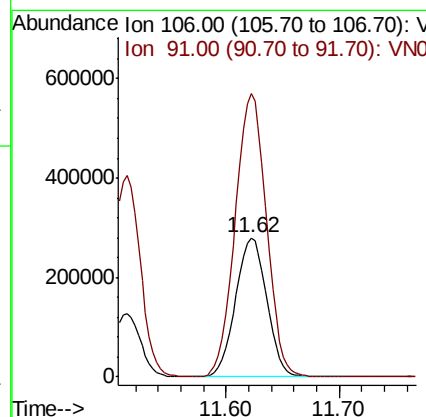
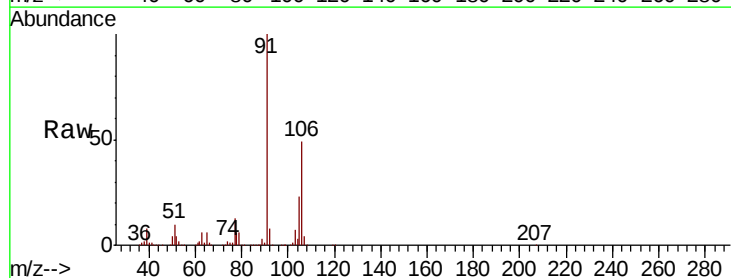
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

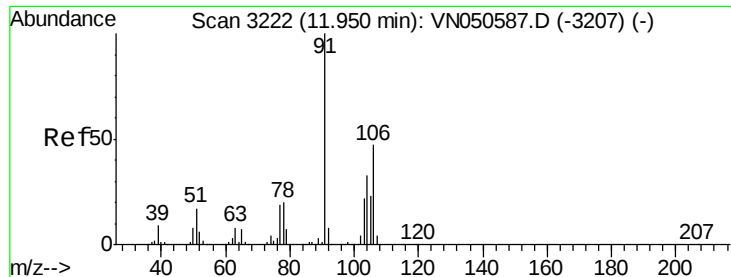
Tot Ion: 91 Resp: 682406
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2



#68
m/p-Xylenes
Concen: 40.984 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 106 Resp: 538449
Ion Ratio Lower Upper
106 100
91 203.2 161.5 242.3

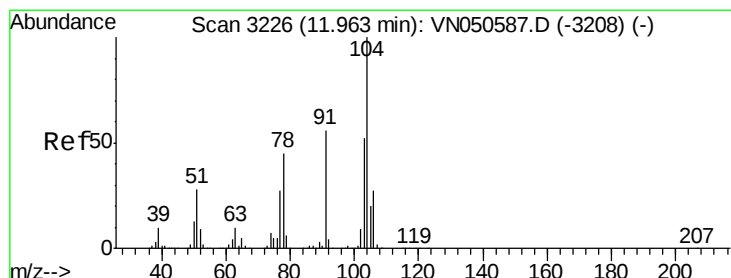
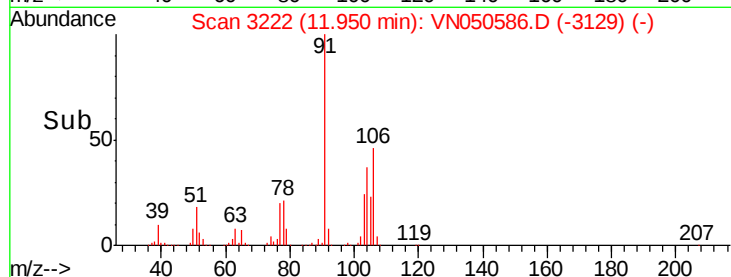
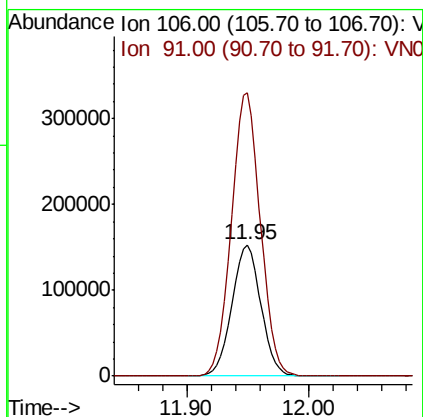
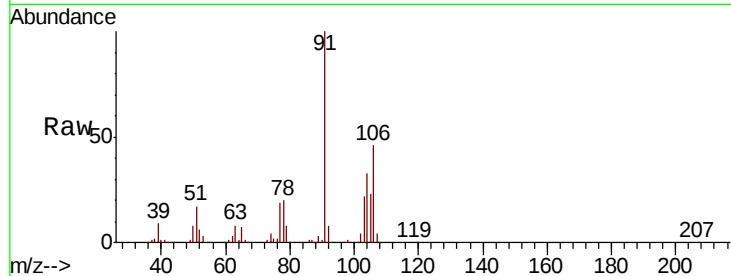




#69
o-Xylene
Concen: 19.966 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

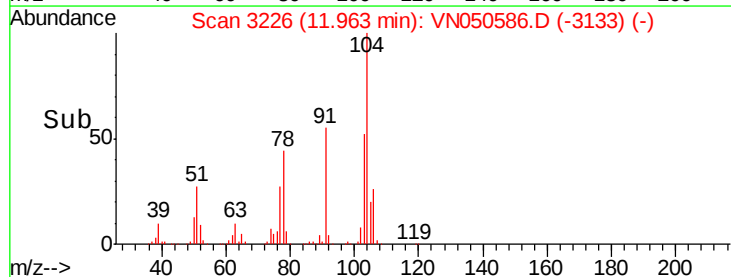
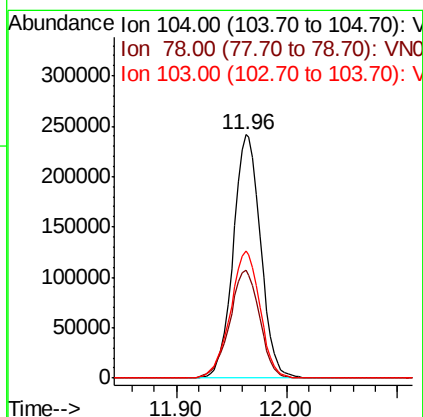
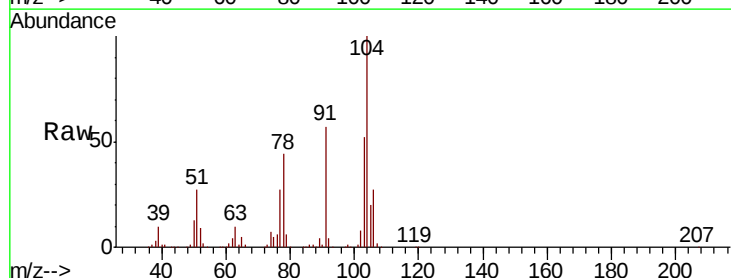
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

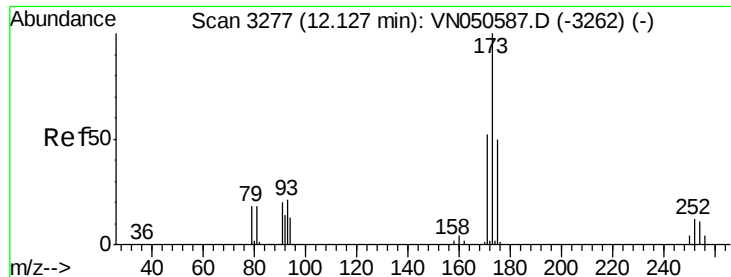
Tot Ion:106 Resp: 252233
Ion Ratio Lower Upper
106 100
91 216.5 106.8 320.4



#70
Styrene
Concen: 20.292 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion:104 Resp: 415736
Ion Ratio Lower Upper
104 100
78 48.5 39.1 58.7
103 56.3 44.9 67.3

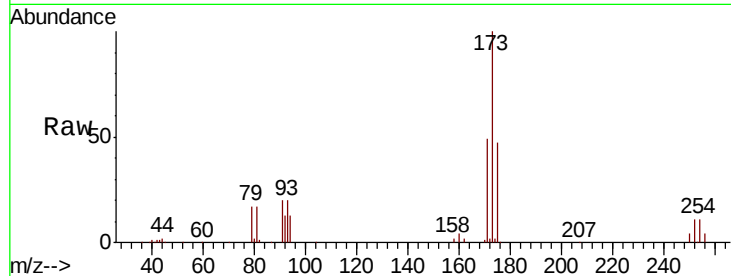




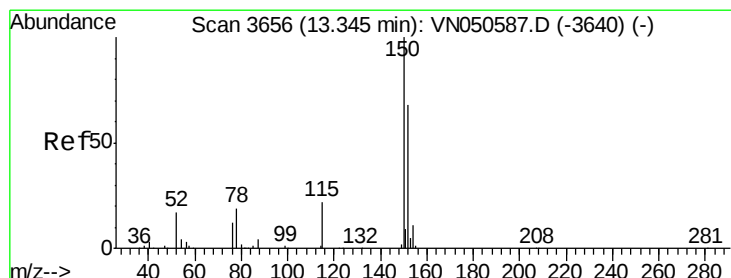
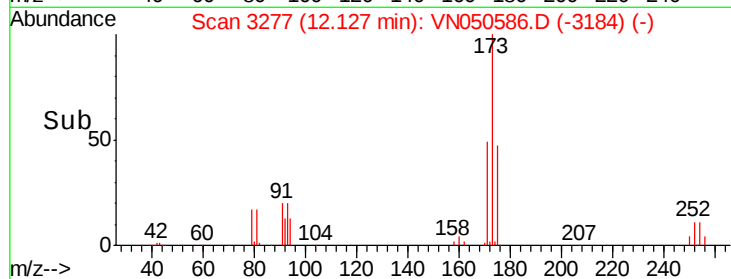
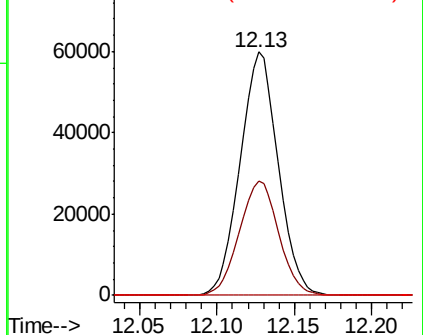
#71
Bromoform
Concen: 18.377 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 102623
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.2
254 0.0 0.0 0.0

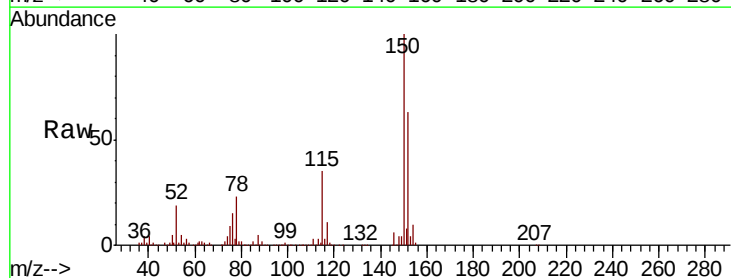


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

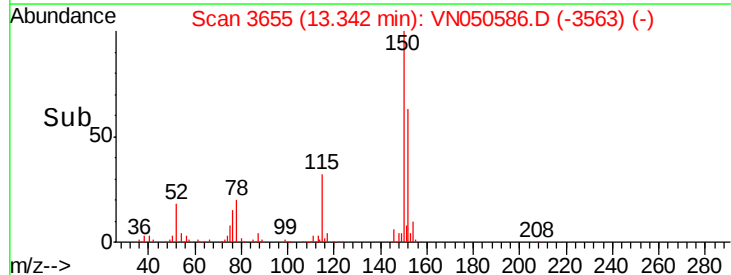
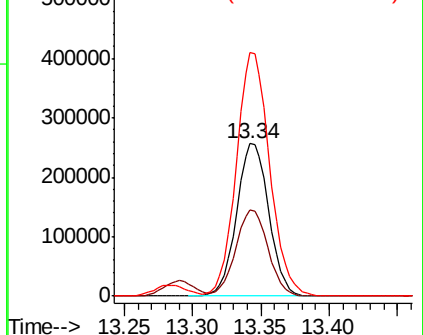


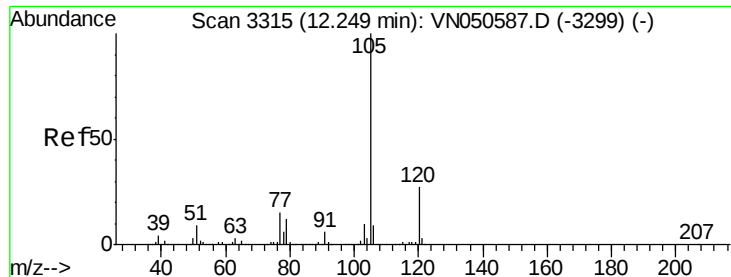
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion:152 Resp: 419908
Ion Ratio Lower Upper
152 100
115 56.7 28.1 84.2
150 165.7 0.0 347.8



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





#73

Isopropylbenzene

Concen: 21.022 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

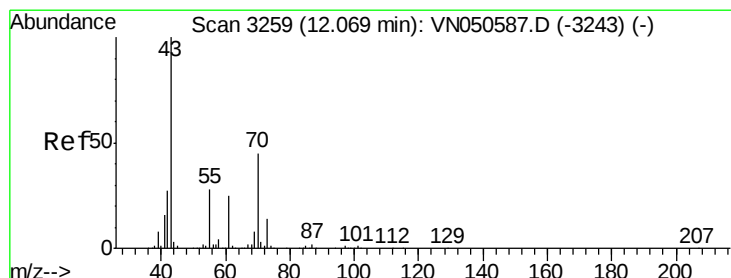
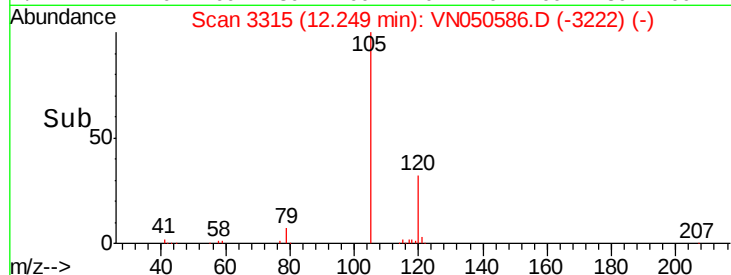
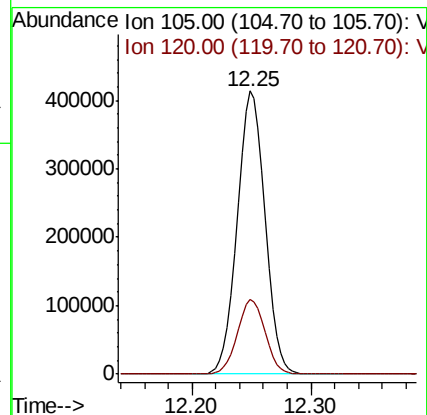
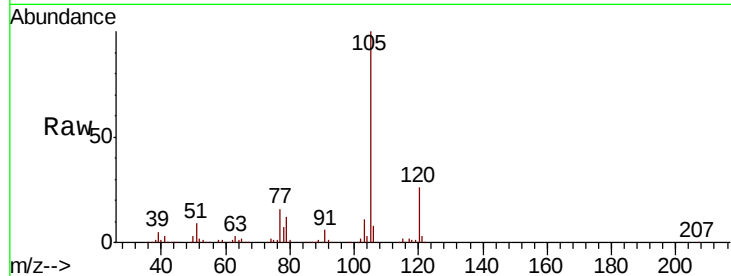
VSTDIC020

Tot Ion:105 Resp: 667380

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



#74

N-ethyl acetate

Concen: 17.105 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Tgt Ion: 43 Resp: 169835

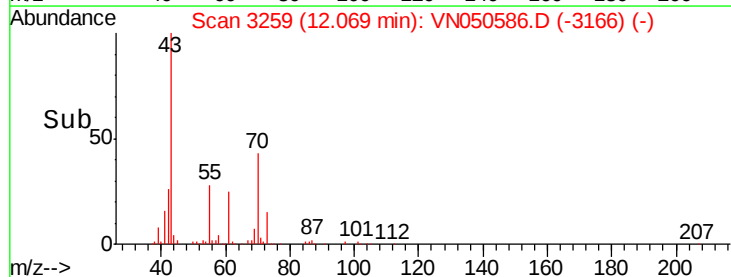
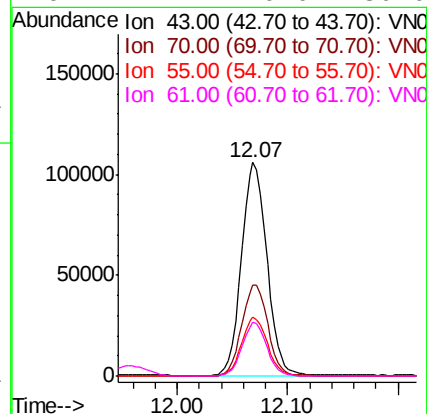
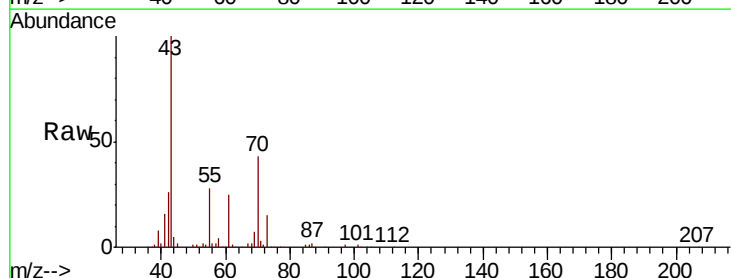
Ion Ratio Lower Upper

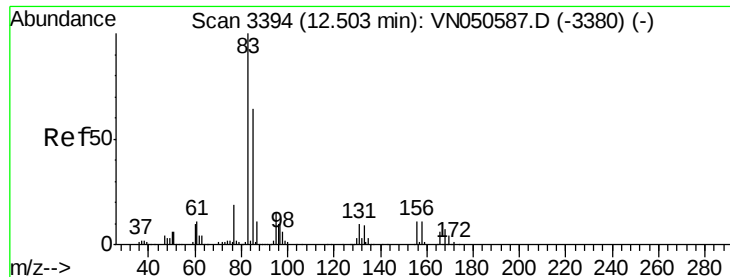
43 100

70 43.9 35.9 53.9

55 27.8 22.2 33.4

61 24.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.858 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

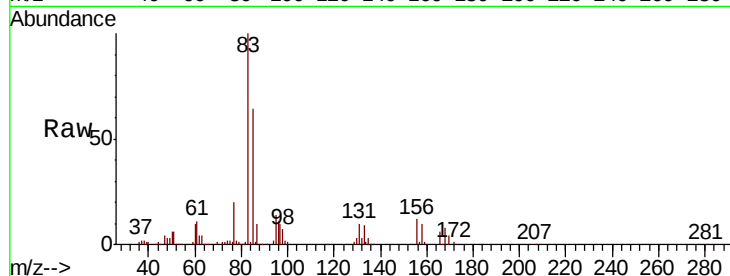
Tot Ion: 83 Resp: 169019

Ion Ratio Lower Upper

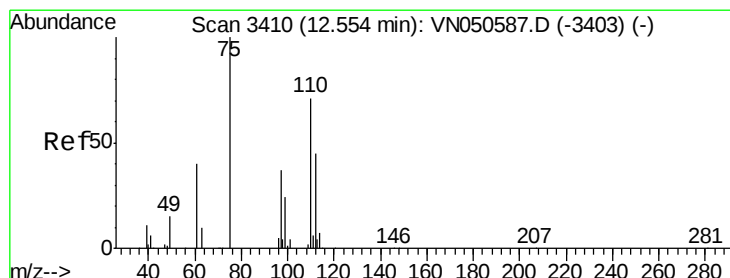
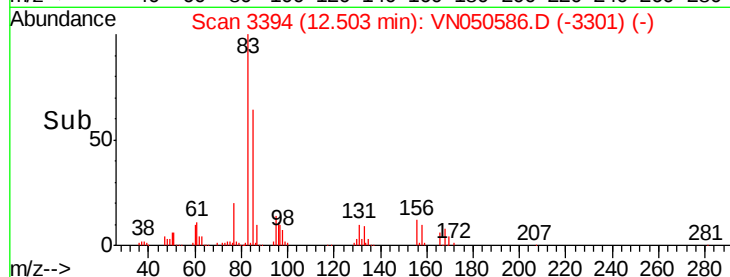
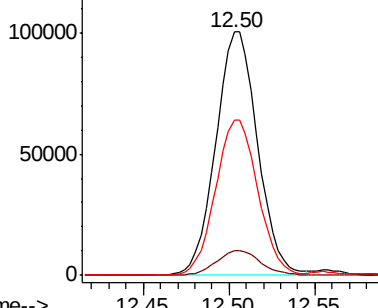
83 100

131 10.7 5.3 15.9

85 64.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.796 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050586.D

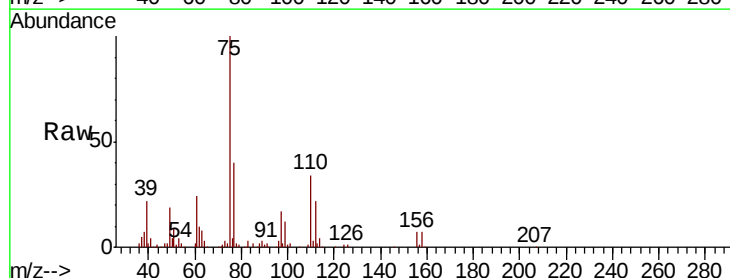
Acq: 14 Aug 2018 00:35

Tgt Ion: 75 Resp: 195743

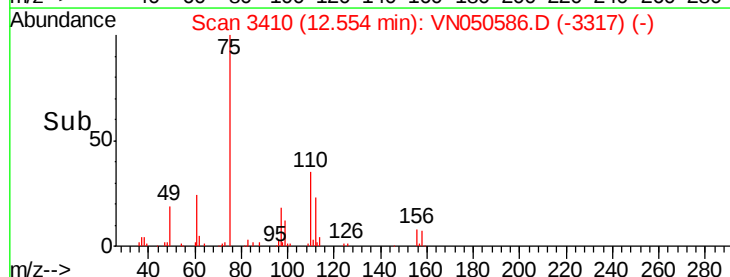
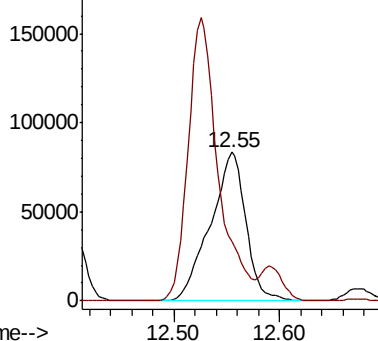
Ion Ratio Lower Upper

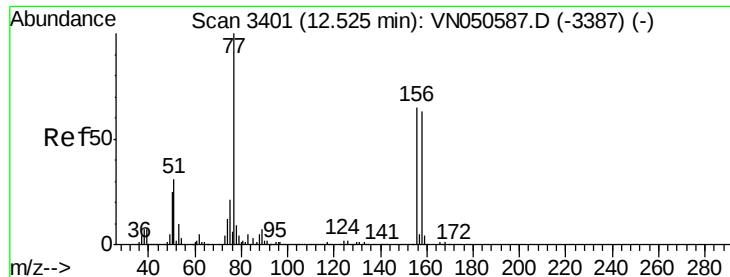
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.448 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

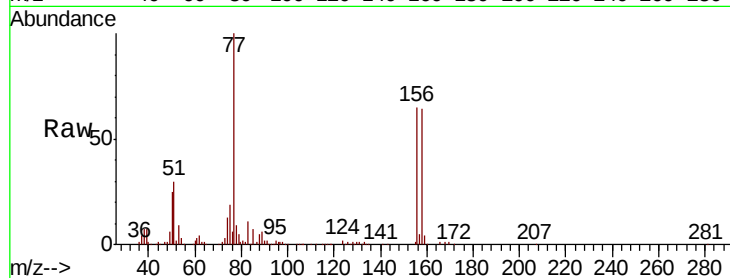
Tot Ion:156 Resp: 173694

Ion Ratio Lower Upper

156 100

77 180.9 89.0 267.1

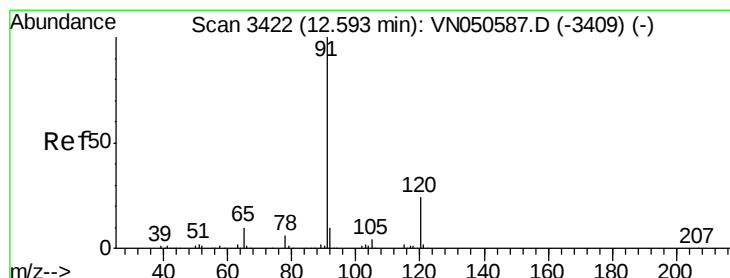
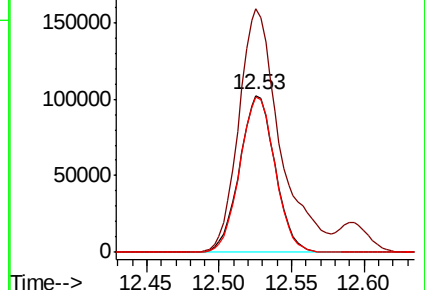
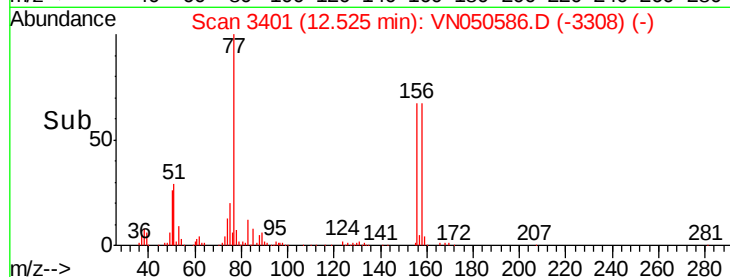
158 98.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.072 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050586.D

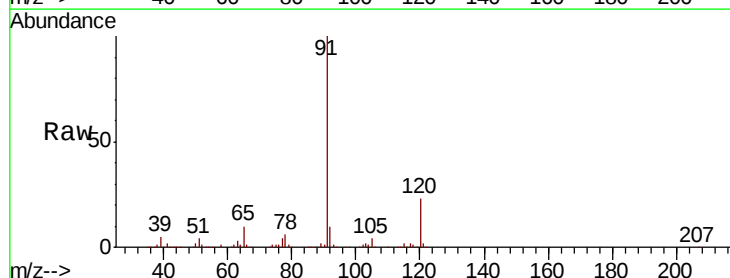
Acq: 14 Aug 2018 00:35

Tgt Ion: 91 Resp: 756549

Ion Ratio Lower Upper

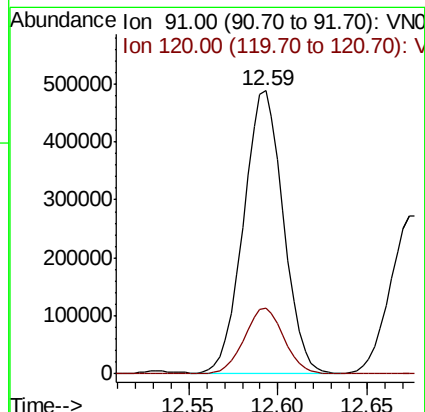
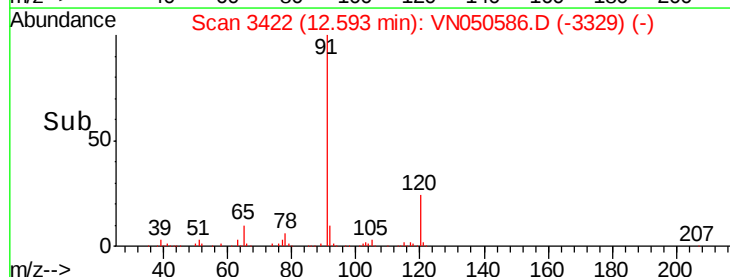
91 100

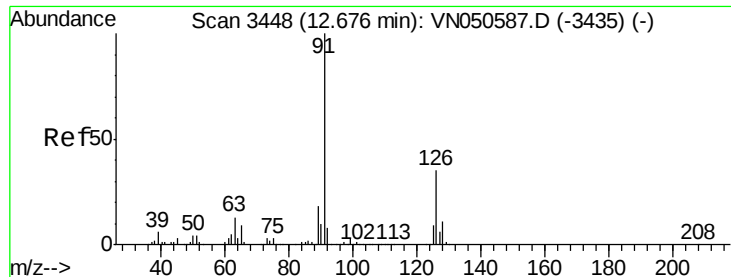
120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.809 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

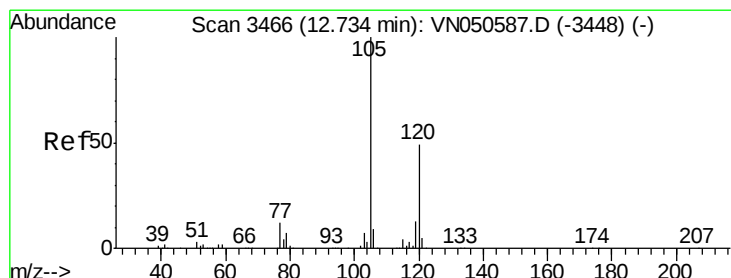
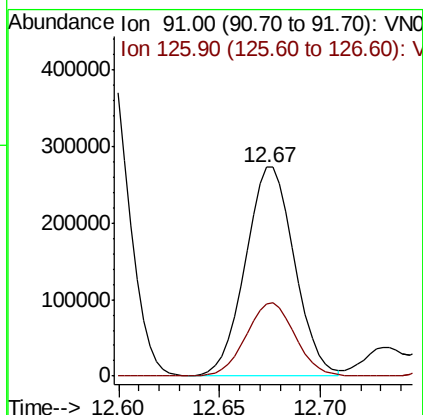
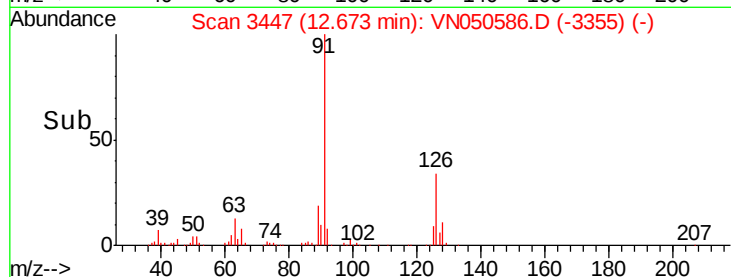
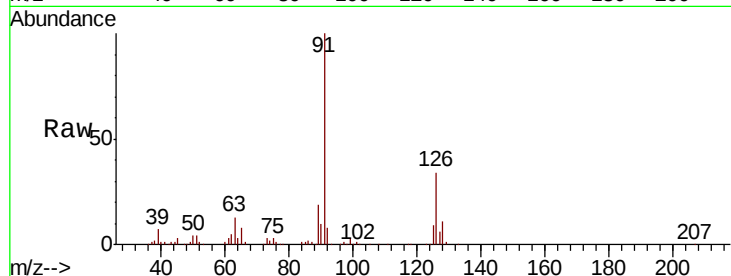
VSTDIC020

Tot Ion: 91 Resp: 461743

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.638 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050586.D

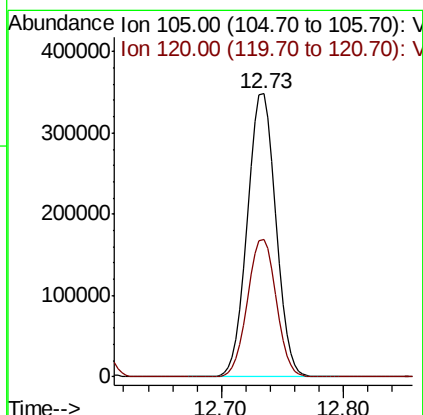
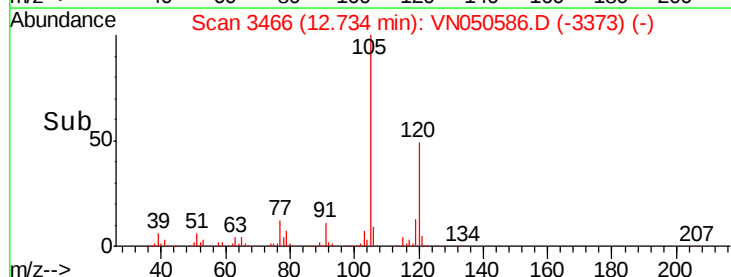
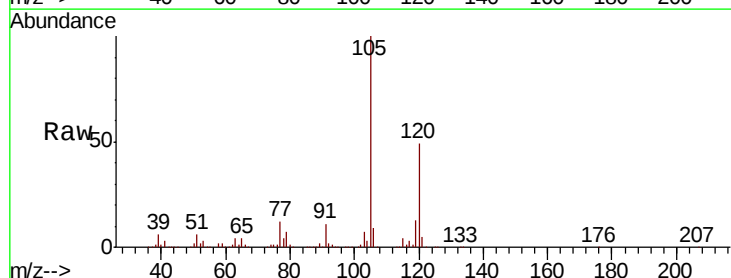
Acq: 14 Aug 2018 00:35

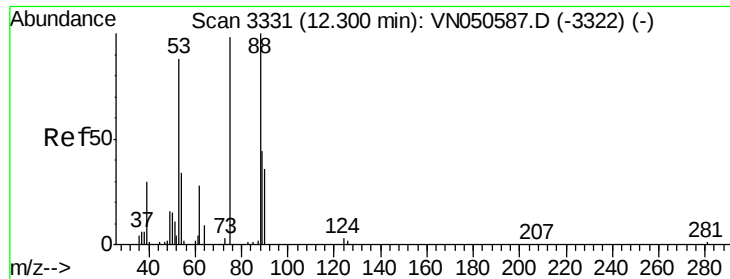
Tgt Ion:105 Resp: 556486

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.135 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

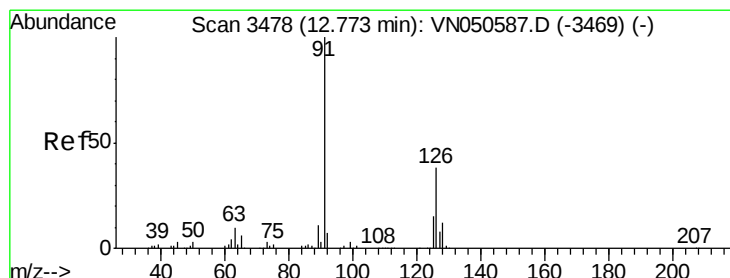
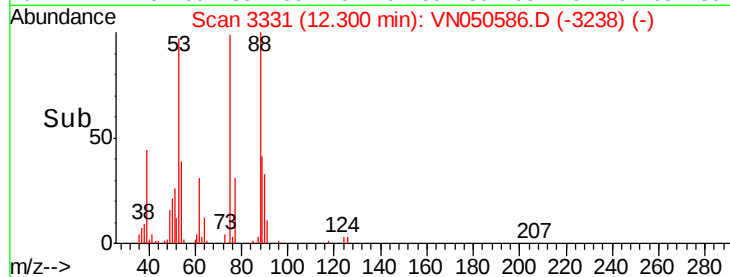
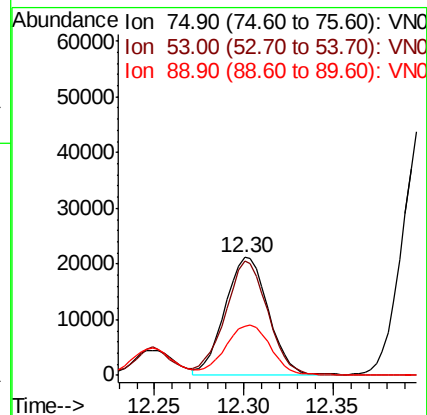
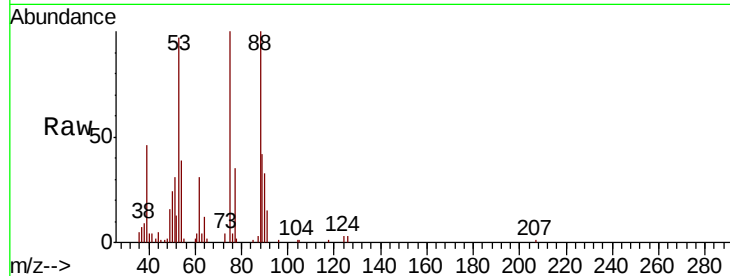
Tot Ion: 75 Resp: 35931

Ion Ratio Lower Upper

75 100

53 94.9 72.2 108.2

89 44.6 36.3 54.5



#82

4-Chlorotoluene

Concen: 21.280 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050586.D

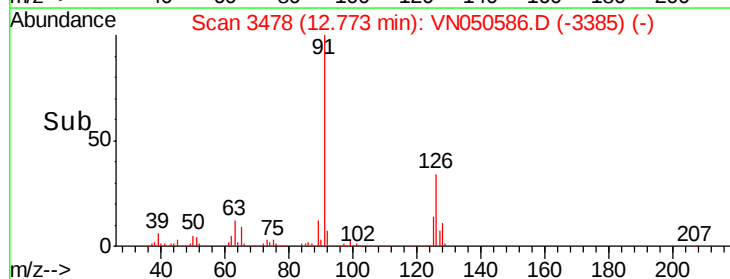
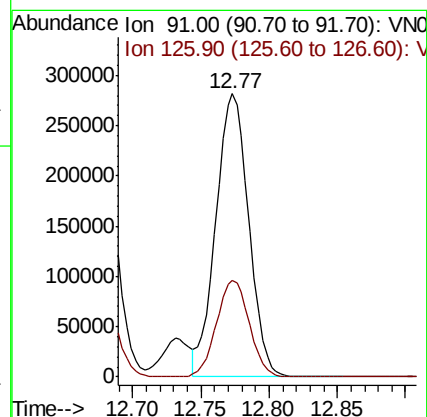
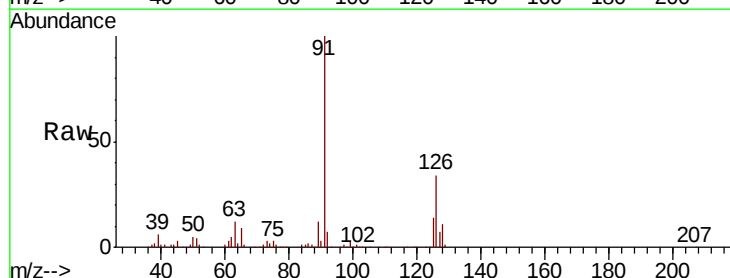
Acq: 14 Aug 2018 00:35

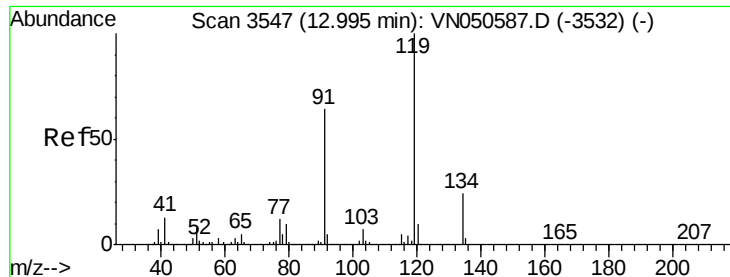
Tgt Ion: 91 Resp: 470535

Ion Ratio Lower Upper

91 100

126 34.1 17.3 52.0





#83

tert-Butylbenzene

Concen: 20.473 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

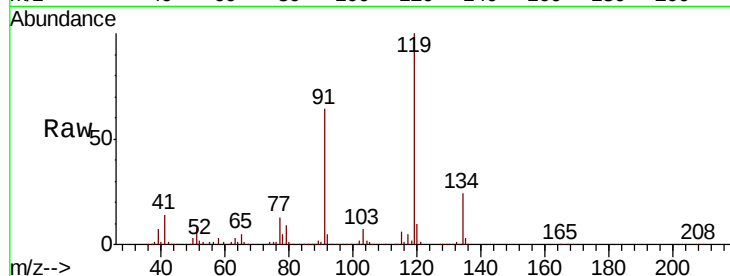
Tot Ion:119 Resp: 458109

Ion Ratio Lower Upper

119 100

91 64.6 32.2 96.6

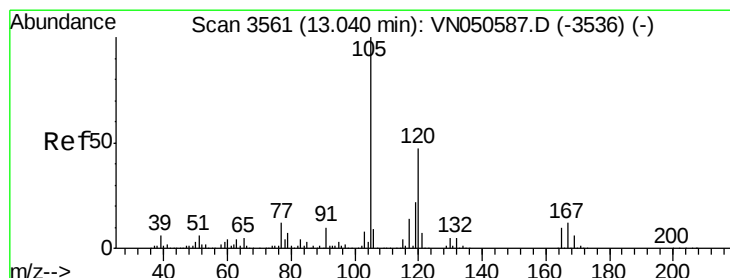
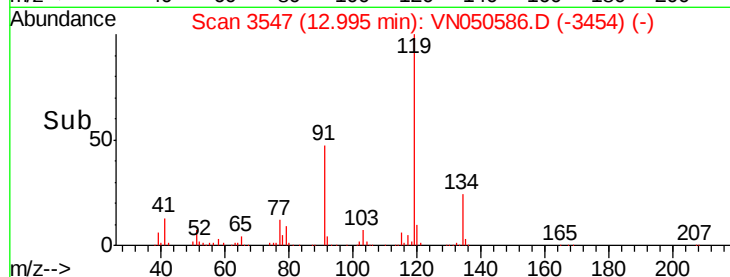
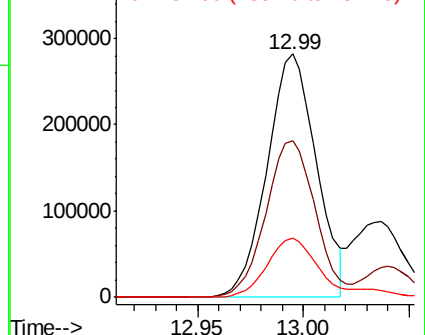
134 25.0 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.754 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050586.D

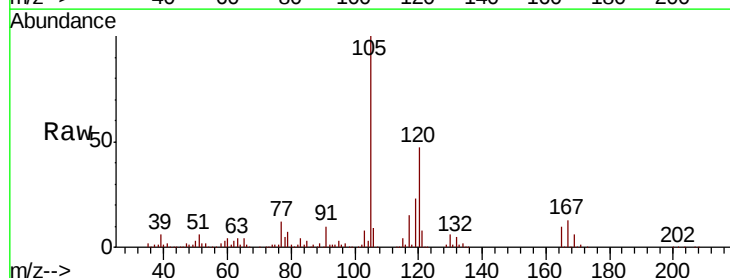
Acq: 14 Aug 2018 00:35

Tgt Ion:105 Resp: 566422

Ion Ratio Lower Upper

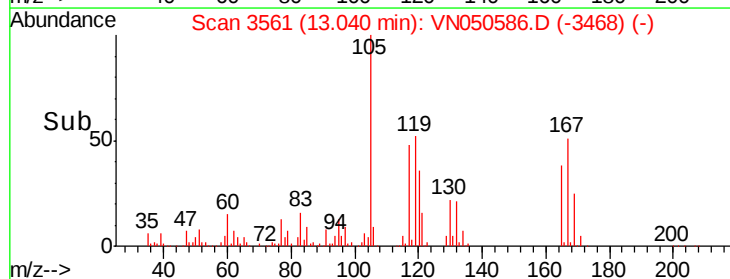
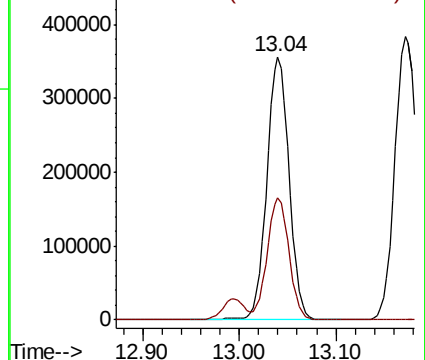
105 100

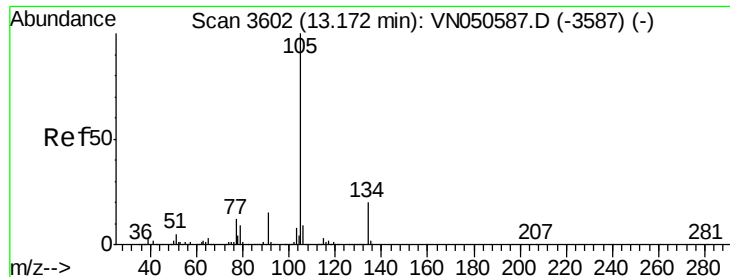
120 45.8 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.640 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

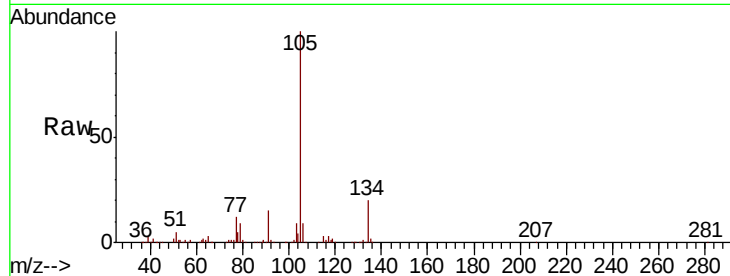
VSTDIC020

Tot Ion:105 Resp: 616851

Ion Ratio Lower Upper

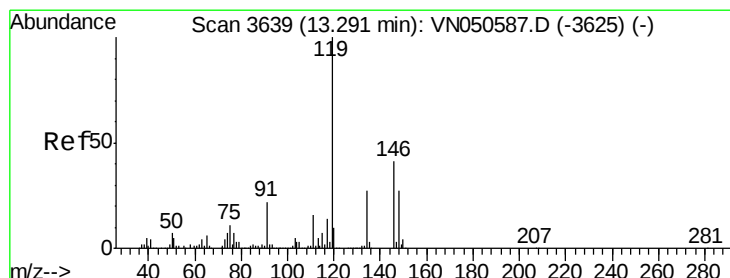
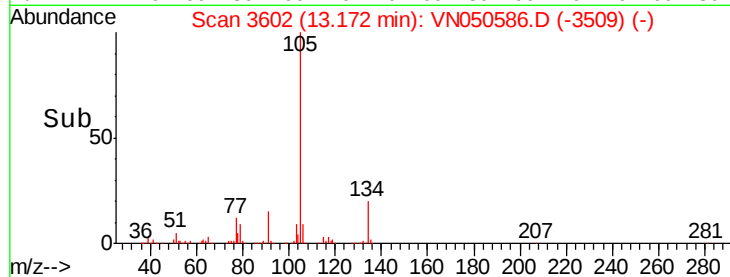
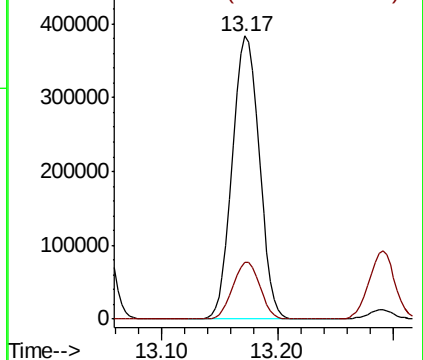
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.631 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

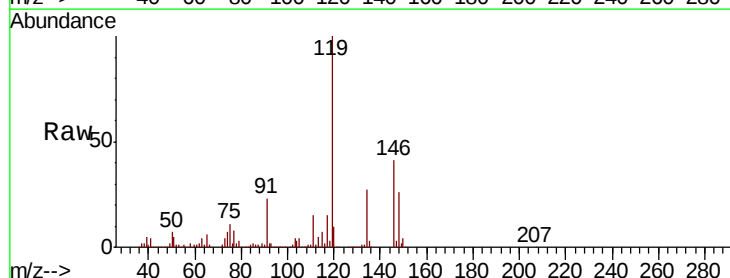
Tgt Ion:119 Resp: 527638

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

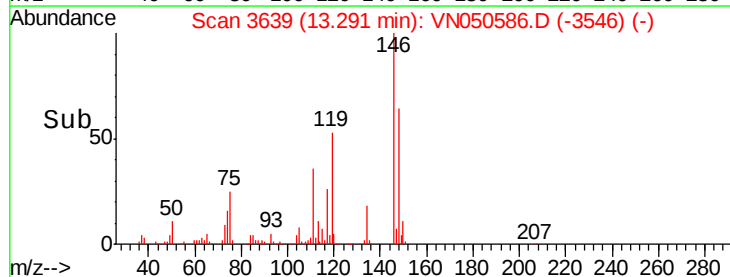
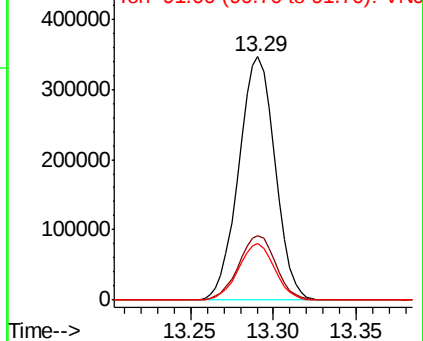
91 23.0 11.2 33.6

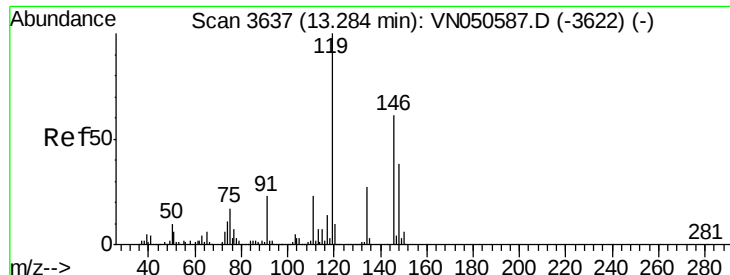


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.007 ug/l

RT: 13.28 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

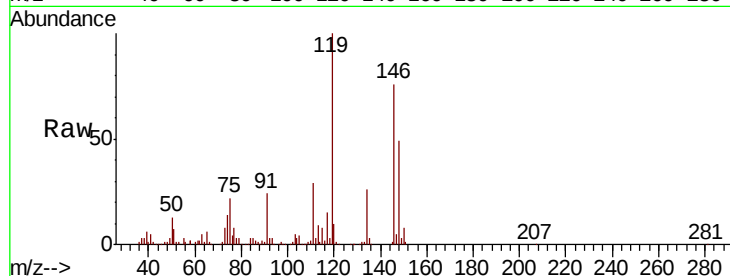
Tot Ion:146 Resp: 301471

Ion Ratio Lower Upper

146 100

111 37.5 19.2 57.6

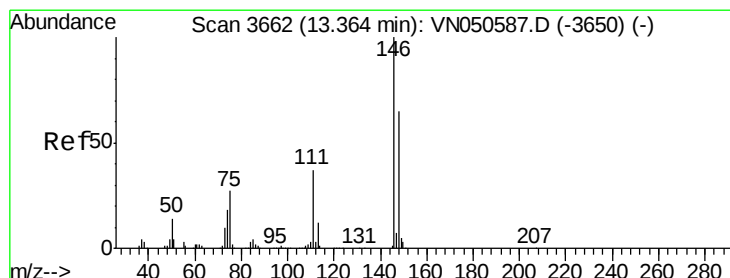
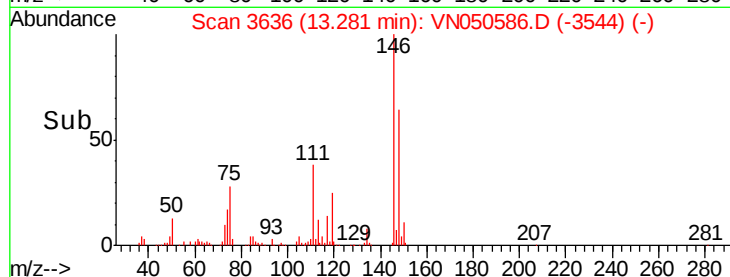
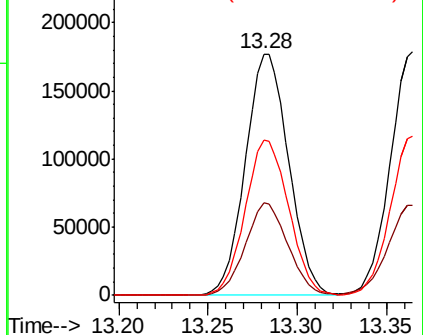
148 64.4 31.9 95.7



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: 19.421 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

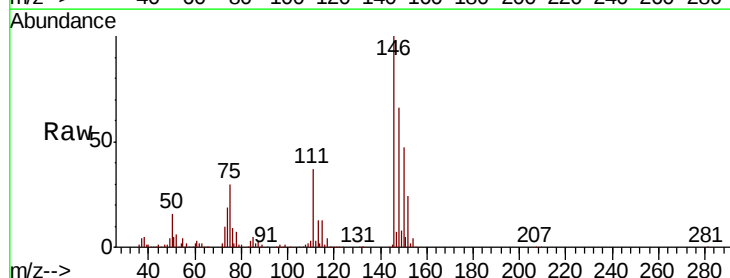
Tgt Ion:146 Resp: 291932

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.4

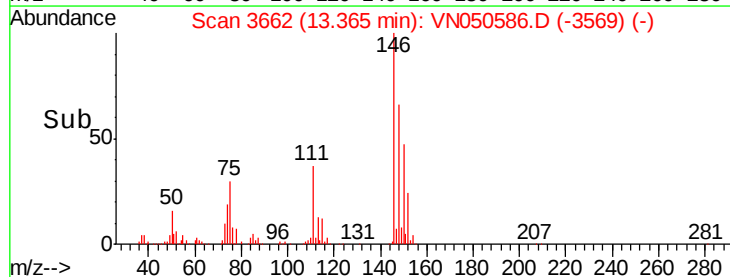
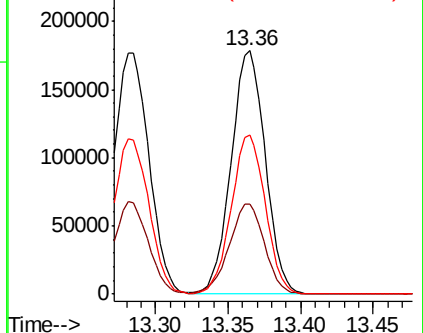
148 65.2 32.3 96.8

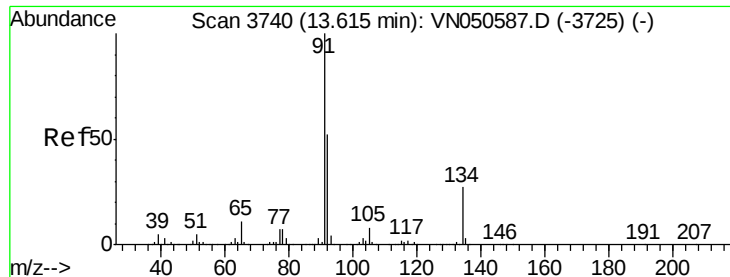


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

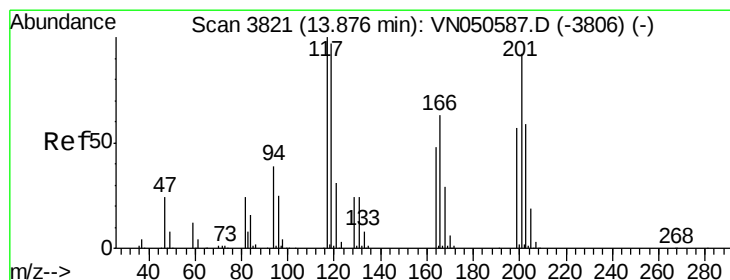
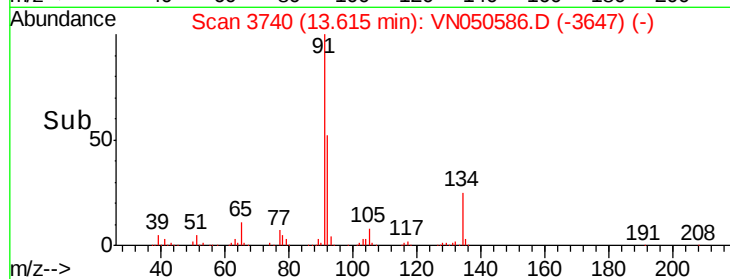
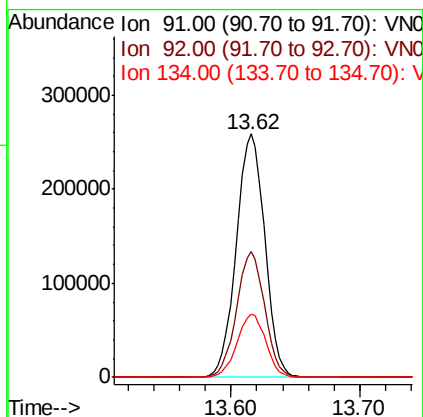
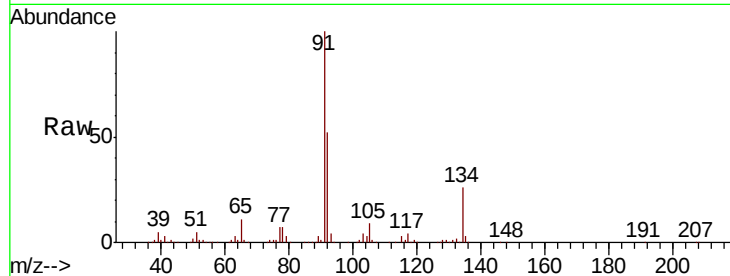




#89
n-Butylbenzene
Concen: 18.421 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

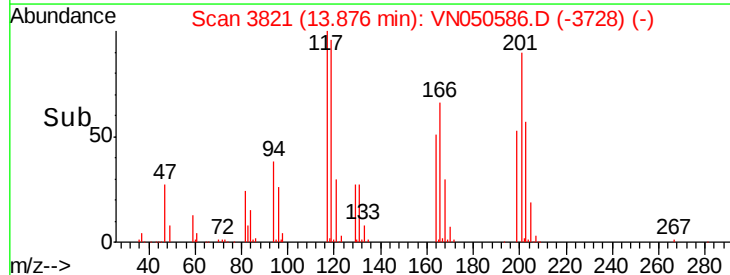
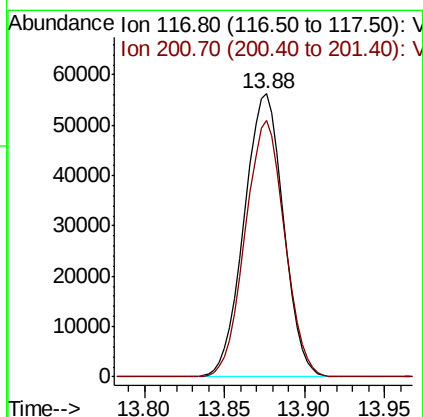
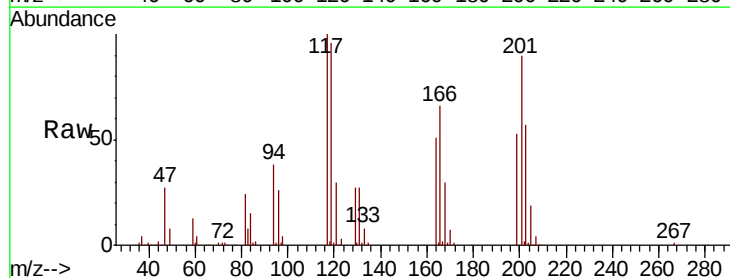
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

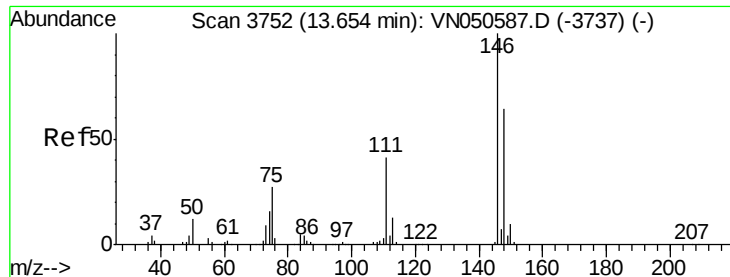
Tot Ion: 91 Resp: 398246
Ion Ratio Lower Upper
91 100
92 50.8 26.3 78.8
134 26.1 13.3 39.9



#90
Hexachloroethane
Concen: 20.609 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 117 Resp: 94579
Ion Ratio Lower Upper
117 100
201 90.6 45.5 136.5





#91

1,2-Dichlorobenzene

Concen: 19.517 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

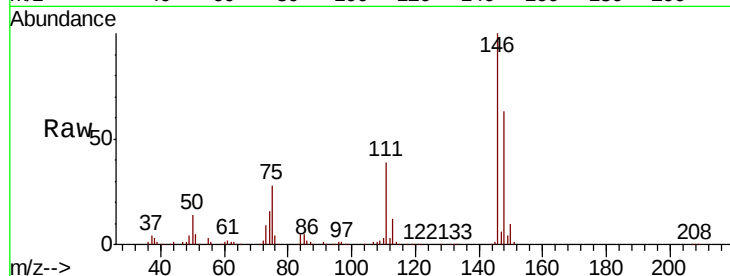
Tot Ion:146 Resp: 293579

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.4

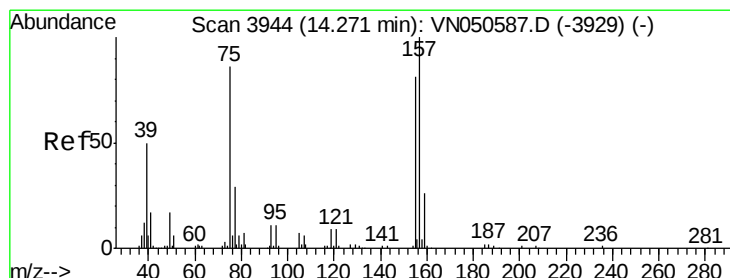
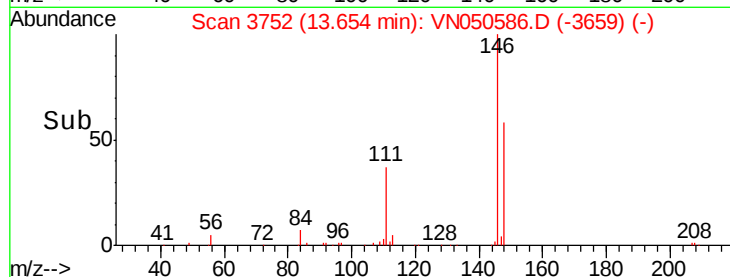
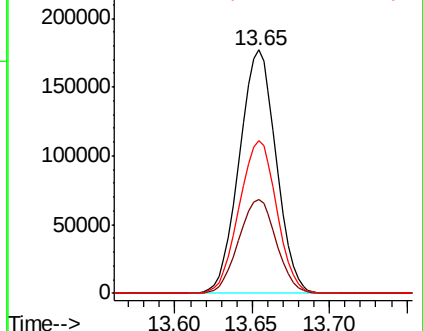
148 63.9 32.3 96.8



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: 14.780 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

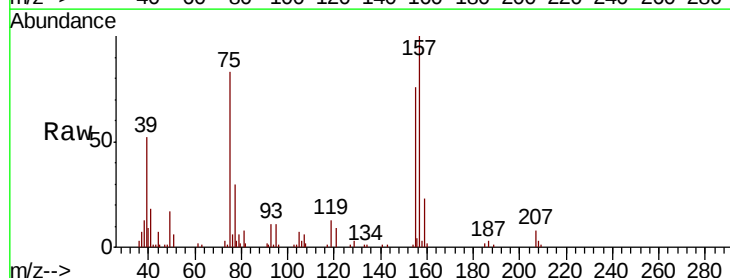
Tgt Ion: 75 Resp: 22087

Ion Ratio Lower Upper

75 100

155 89.7 46.6 139.8

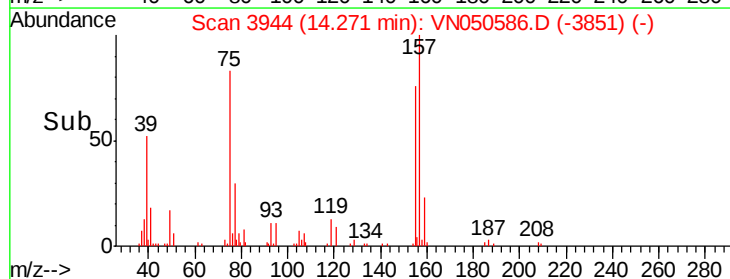
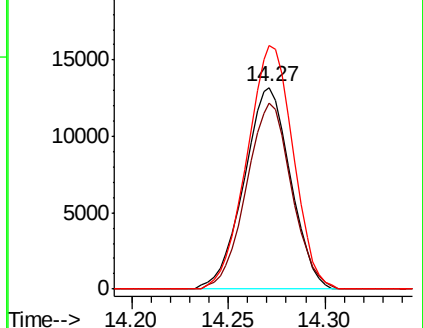
157 119.9 58.1 174.2

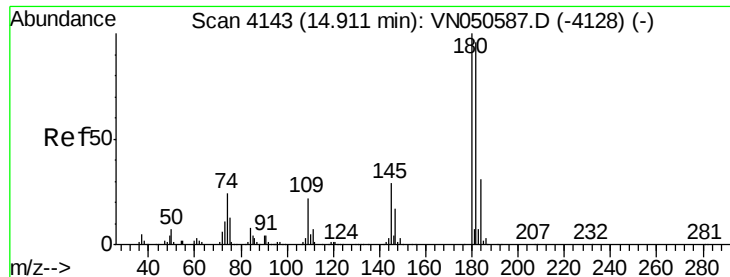


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

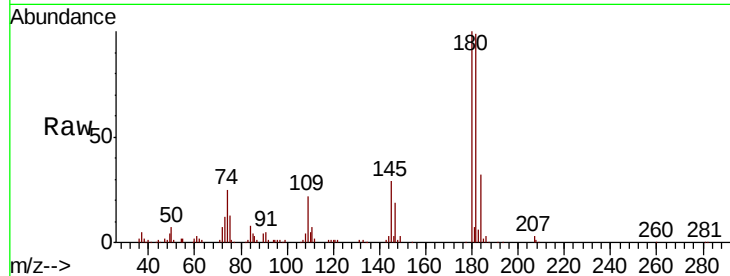




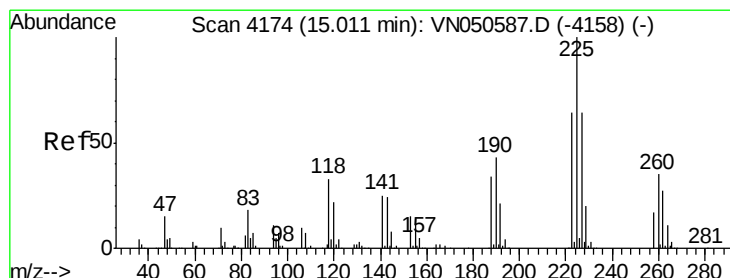
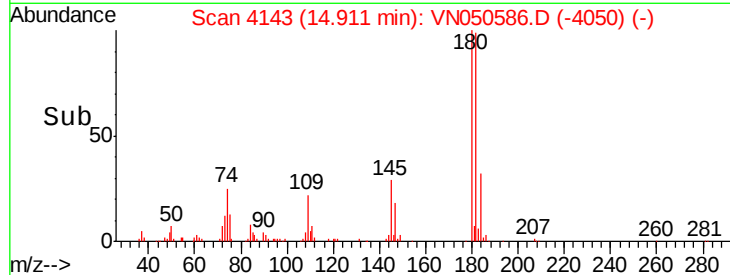
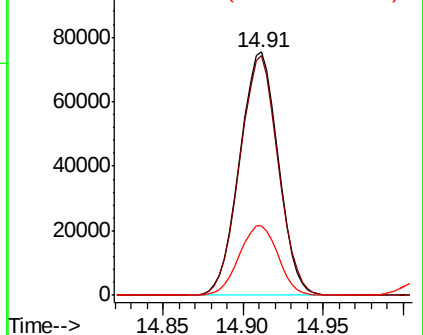
#93
 1,2,4-Trichlorobenzene
 Concen: 16.420 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 124128
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.9 143.7
 145 29.0 14.4 43.4

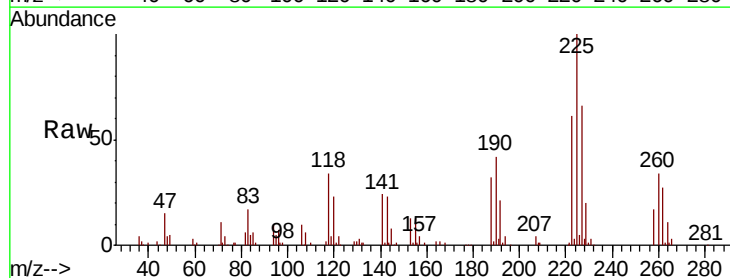


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

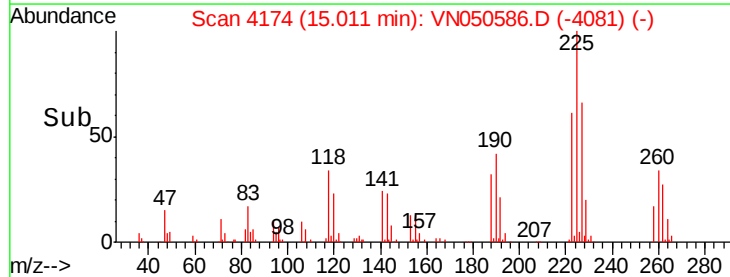
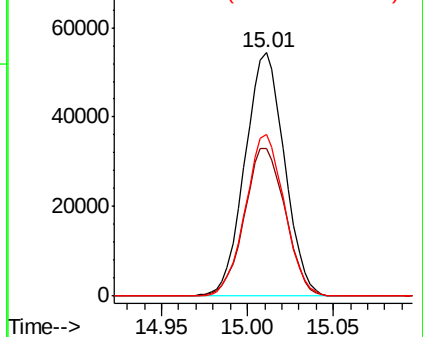


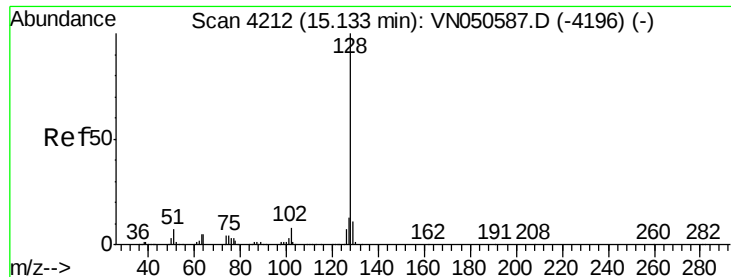
#94
 Hexachlorobutadiene
 Concen: 15.754 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion:225 Resp: 86763
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.1 96.3
 227 65.7 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: 14.148 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

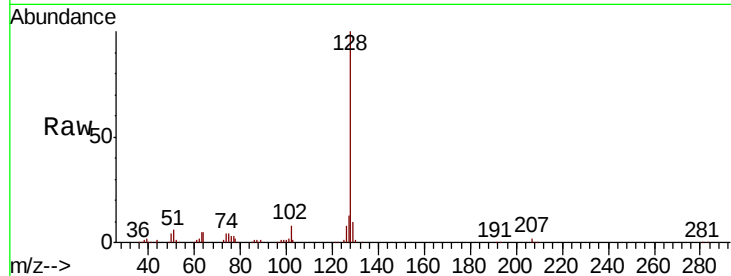
Tot Ion:128 Resp: 241886

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

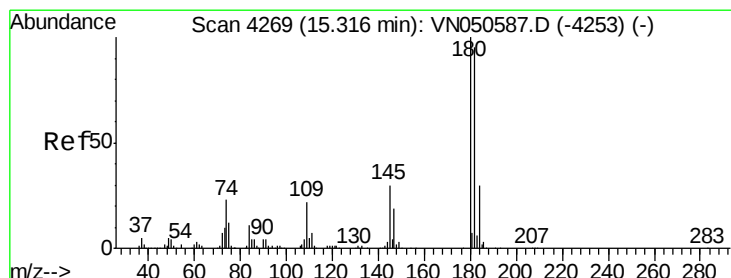
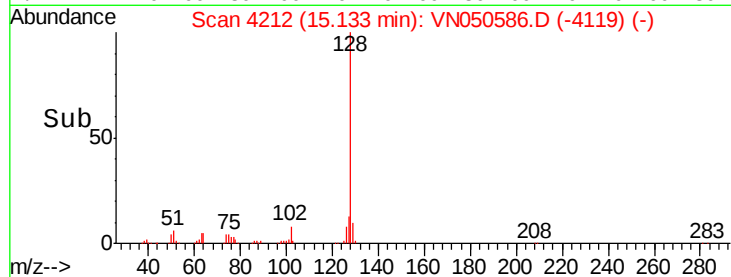
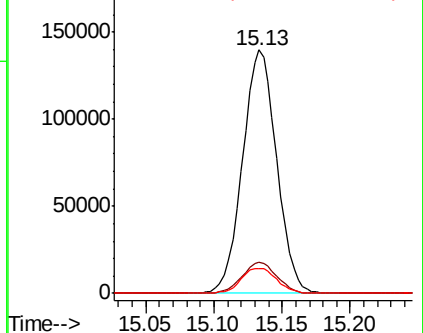
129 10.8 8.5 12.7



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: 16.009 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050586.D

Acq: 14 Aug 2018 00:35

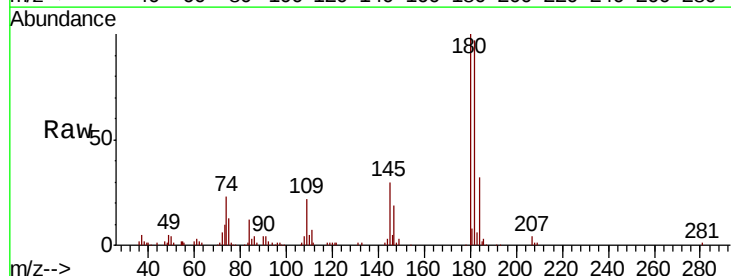
Tgt Ion:180 Resp: 122308

Ion Ratio Lower Upper

180 100

182 98.1 47.3 141.8

145 29.9 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

