

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
 Data File : VN052531.D
 Acq On : 28 Nov 2018 20:21
 Operator : MD\SY
 Sample : VN1128MBSD01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

Quant Time: Nov 29 00:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1138408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1758515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1537268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683026	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	589632	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	7.59	113	542709	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.09	98	2089798	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	703348	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	196267	18.413	ug/l	97
3) Chloromethane	2.06	50	246173	17.496	ug/l	100
4) Vinyl Chloride	2.19	62	264769	18.318	ug/l	99
5) Bromomethane	2.58	94	123025	13.642	ug/l	99
6) Chloroethane	2.71	64	161398	18.435	ug/l	99
7) Trichlorofluoromethane	3.03	101	346076	19.492	ug/l	99
8) Diethyl Ether	3.41	74	126017	19.220	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	214988	19.406	ug/l	99
10) Methyl Iodide	3.96	142	237328	16.084	ug/l	99
11) Tert butyl alcohol	4.78	59	52497	84.599	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	206990	19.410	ug/l	99
13) Acrolein	3.61	56	77310	94.991	ug/l	98
14) Allyl chloride	4.33	41	342115	18.614	ug/l	98
15) Acrylonitrile	4.99	53	340988	86.808	ug/l	99
16) Acetone	3.82	43	233419	71.396	ug/l	98
17) Carbon Disulfide	4.06	76	585861	17.458	ug/l	100
18) Methyl Acetate	4.33	43	163922	17.479	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	556700	19.621	ug/l	99
20) Methylene Chloride	4.55	84	233256	18.232	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	221996	19.492	ug/l	97
22) Diisopropyl ether	5.95	45	729013	18.883	ug/l	96
23) Vinyl Acetate	5.90	43	2201671	91.561	ug/l	99
24) 1,1-Dichloroethane	5.85	63	419840	19.047	ug/l	98
25) 2-Butanone	6.84	43	368944	79.617	ug/l	95
26) 2,2-Dichloropropane	6.83	77	261464	17.137	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	256671	19.347	ug/l	97
28) Bromochloromethane	7.19	49	186315	18.506	ug/l	94
29) Tetrahydrofuran	7.21	42	247421	82.780	ug/l	97
30) Chloroform	7.37	83	416797	18.952	ug/l	99
31) Cyclohexane	7.66	56	407356	18.866	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	341300	19.587	ug/l	98
36) 1,1-Dichloropropene	7.79	75	319714	19.253	ug/l	98
37) Ethyl Acetate	6.93	43	172604	17.031	ug/l	98
38) Carbon Tetrachloride	7.77	117	289316	19.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	388534	19.249	ug/l	98
40) Benzene	8.04	78	963971	19.478	ug/l	99
41) Methacrylonitrile	7.17	41	97695	17.632	ug/l	95
42) 1,2-Dichloroethane	8.13	62	288283	19.238	ug/l	99
43) Isopropyl Acetate	8.16	43	325507	18.979	ug/l	98
44) Trichloroethene	8.84	130	252306	19.903	ug/l	97
45) 1,2-Dichloropropane	9.12	63	253513	19.268	ug/l	99
46) Dibromomethane	9.21	93	142164	19.518	ug/l	98
47) Bromodichloromethane	9.40	83	302472	19.100	ug/l	100
48) Methyl methacrylate	9.20	41	160765	17.977	ug/l	99
49) 1,4-Dioxane	9.20	88	32873	354.188	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	846281	87.945	ug/l	99
52) Toluene	10.16	92	599768	20.398	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	285440	18.736	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	346846	18.998	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201490	19.481	ug/l	98
56) Ethyl methacrylate	10.43	69	246108	18.906	ug/l	100
57) 1,3-Dichloropropane	10.71	76	345698	18.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	685124	91.288	ug/l	98
59) 2-Hexanone	10.75	43	542659	84.024	ug/l	99
60) Dibromochloromethane	10.90	129	214352	19.082	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195759	19.056	ug/l	99
64) Tetrachloroethene	10.63	164	238193	19.984	ug/l	99
65) Chlorobenzene	11.43	112	640099	20.193	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	217354	19.721	ug/l	100
67) Ethyl Benzene	11.51	91	1115618	20.098	ug/l	100
68) m/p-Xylenes	11.62	106	852799	41.268	ug/l	99
69) o-Xylene	11.95	106	417209	20.791	ug/l	99
70) Styrene	11.96	104	652588	20.417	ug/l	100
71) Bromoform	12.13	173	133777	18.331	ug/l #	100
73) Isopropylbenzene	12.25	105	1097763	20.485	ug/l	99
74) N-amyl acetate	12.07	43	256148	18.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226416	18.574	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	275573	26.164	ug/l #	100
77) Bromobenzene	12.53	156	273149	20.622	ug/l	95
78) n-propylbenzene	12.59	91	1234654	20.281	ug/l	99
79) 2-Chlorotoluene	12.68	91	727773	20.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	891932	20.870	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52426	16.622	ug/l	98
82) 4-Chlorotoluene	12.77	91	734198	20.095	ug/l	99
83) tert-Butylbenzene	12.99	119	785234	20.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	900084	21.015	ug/l	100
85) sec-Butylbenzene	13.17	105	1048338	20.201	ug/l	99
86) p-Isopropyltoluene	13.29	119	900190	20.366	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	466151	20.120	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	454417	19.912	ug/l	98
89) n-Butylbenzene	13.62	91	737136	20.053	ug/l	99
90) Hexachloroethane	13.88	117	139220	18.602	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	451587	20.401	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31718	18.193	ug/l	97

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ClientSampleId :
VN1128MBSD01

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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

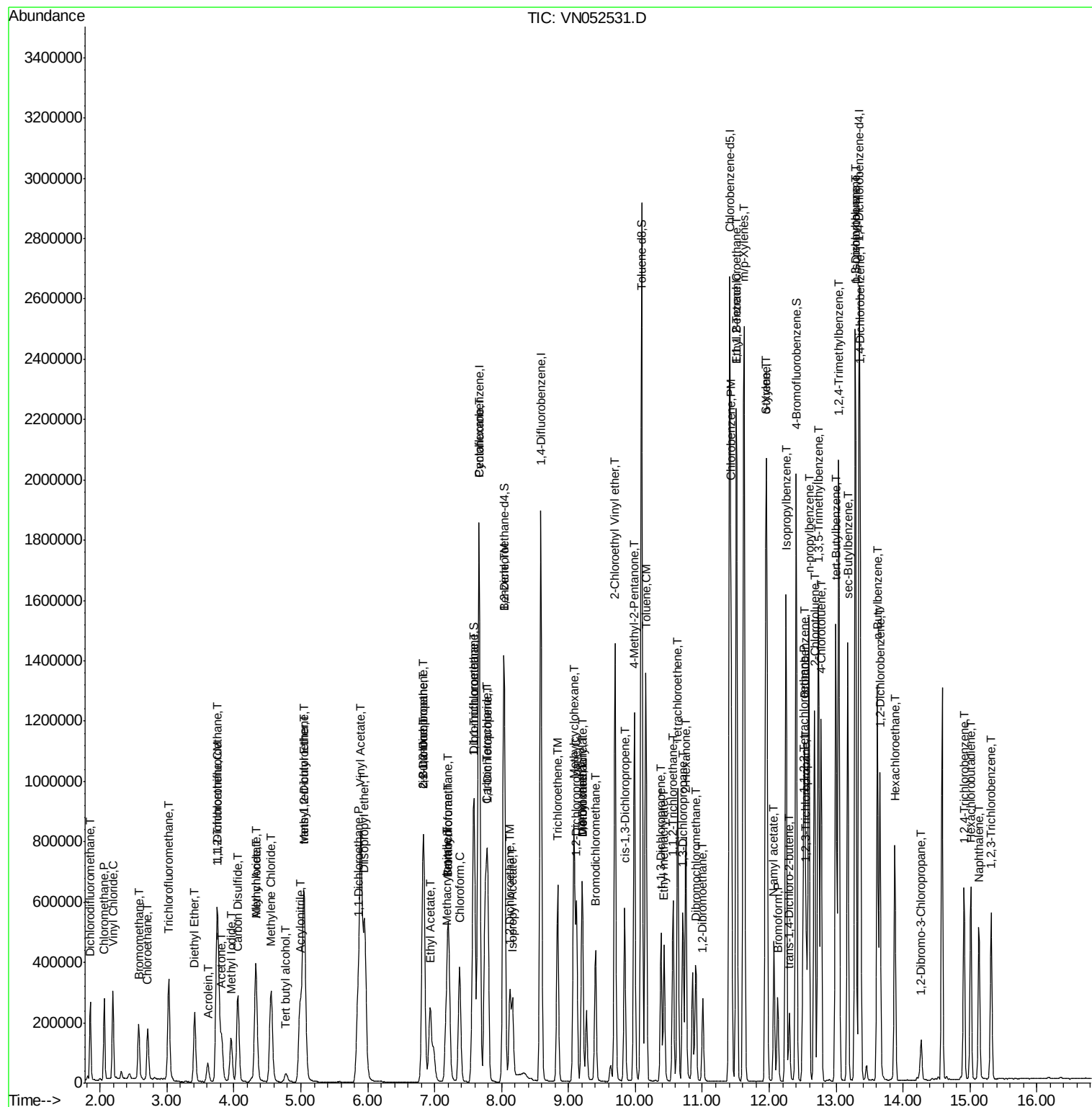
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222563	20.145	ug/l	100
94) Hexachlorobutadiene	15.01	225	139923	19.649	ug/l	99
95) Naphthalene	15.13	128	448148	19.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	203382	19.974	ug/l	99

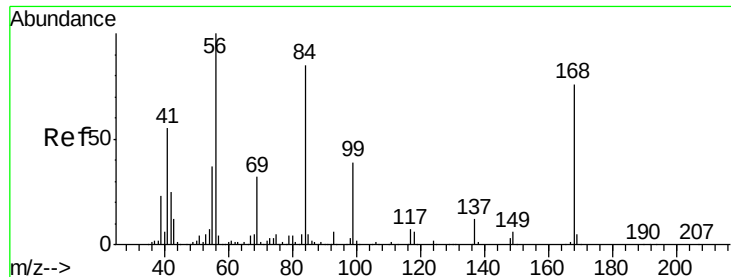
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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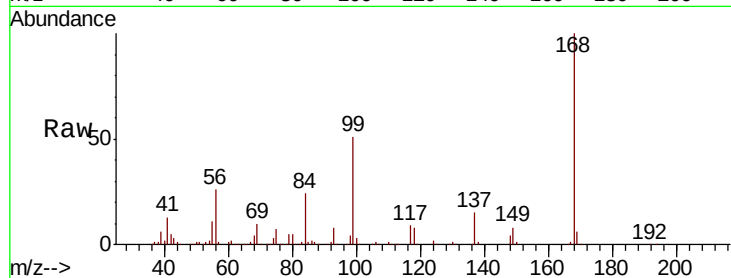




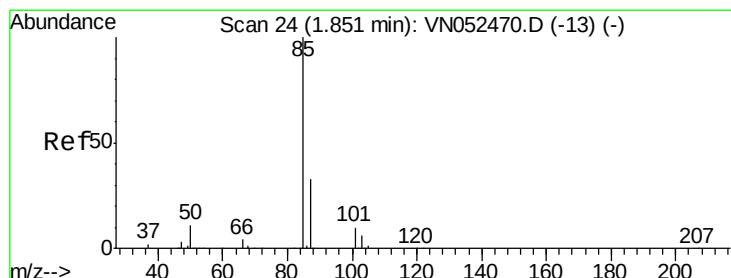
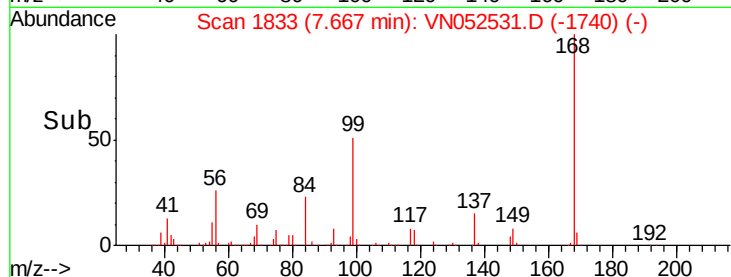
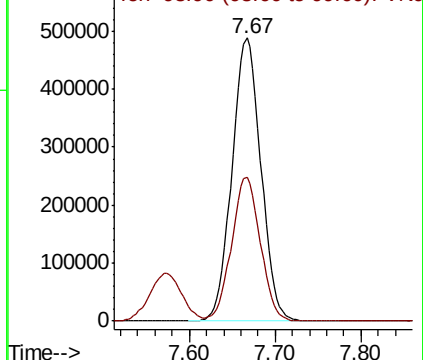
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Instrument :
MSVOA_N
ClientSampled :
VN1128MBSD01

Tot Ion:168 Resp: 1138408
Ion Ratio Lower Upper
168 100
99 50.6 41.7 62.5

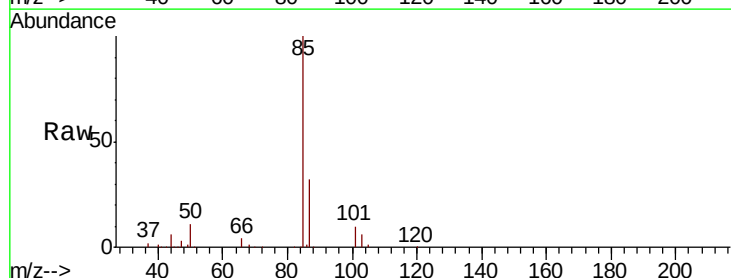


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

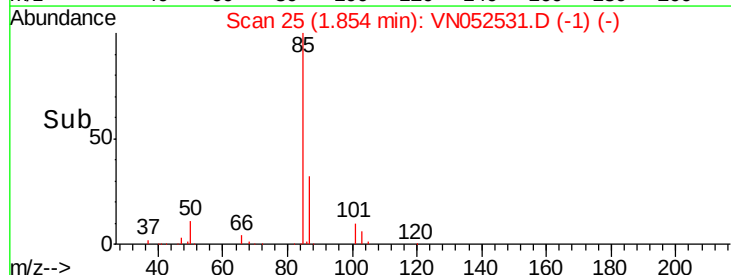
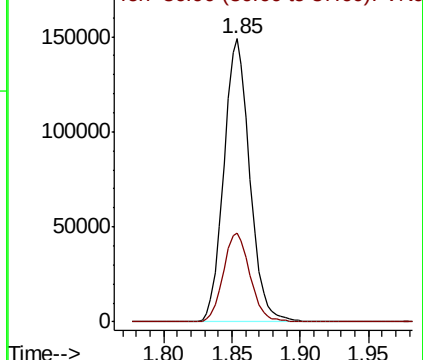


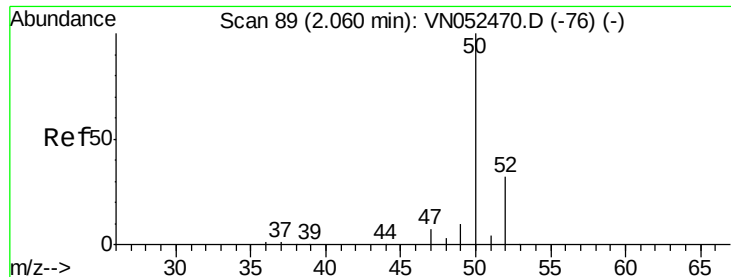
#2
Dichlorodifluoromethane
Concen: 18.413 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 85 Resp: 196267
Ion Ratio Lower Upper
85 100
87 31.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO
Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.496 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

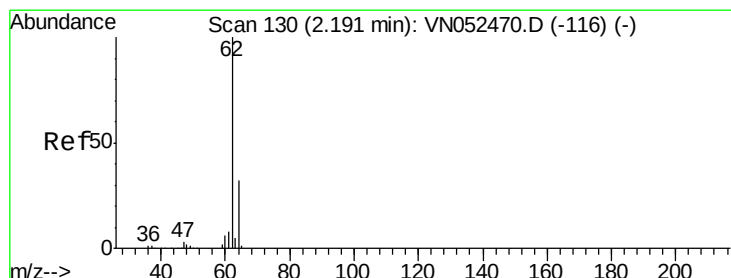
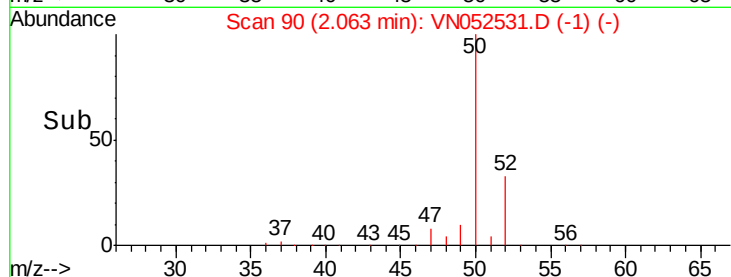
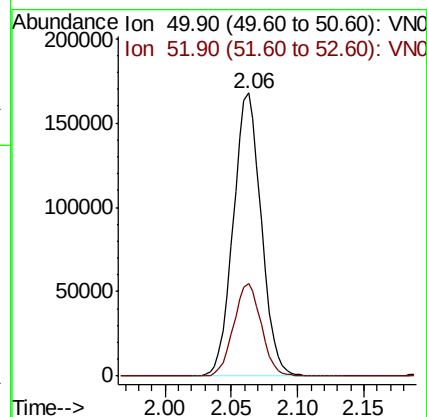
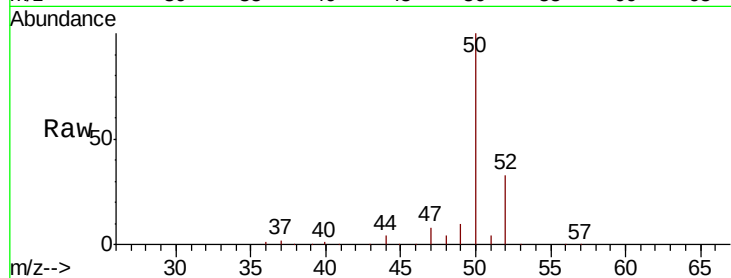
VN1128MBSD01

Tot Ion: 50 Resp: 246173

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 18.318 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052531.D

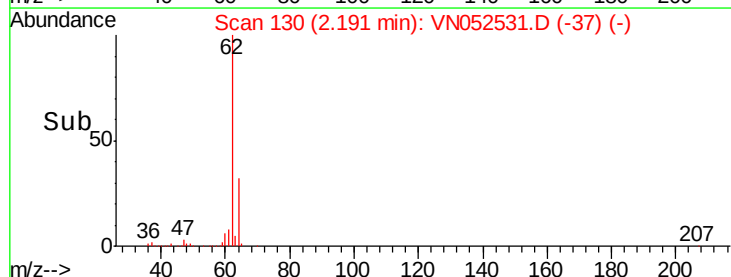
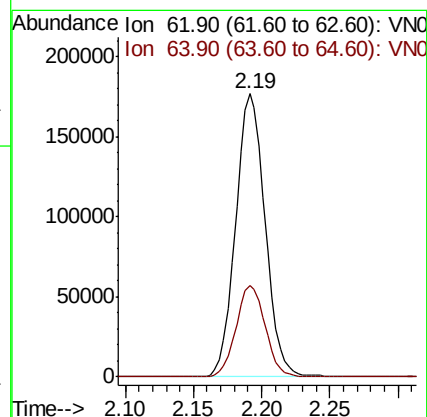
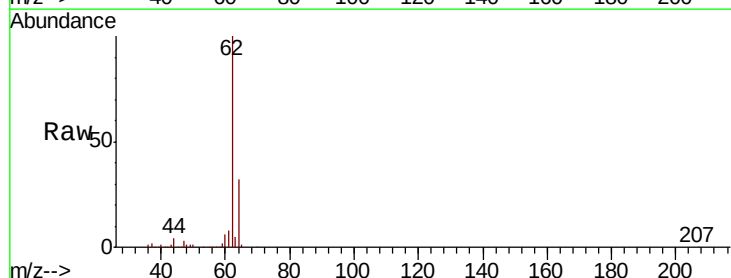
Acq: 28 Nov 2018 20:21

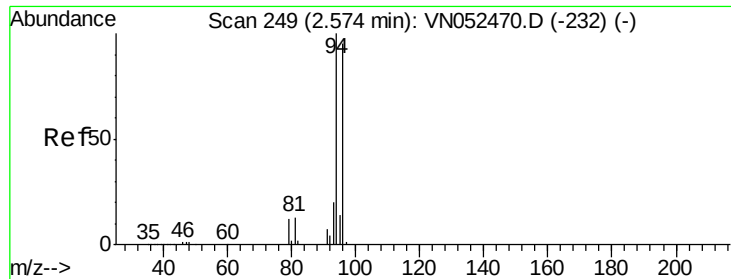
Tgt Ion: 62 Resp: 264769

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 13.642 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

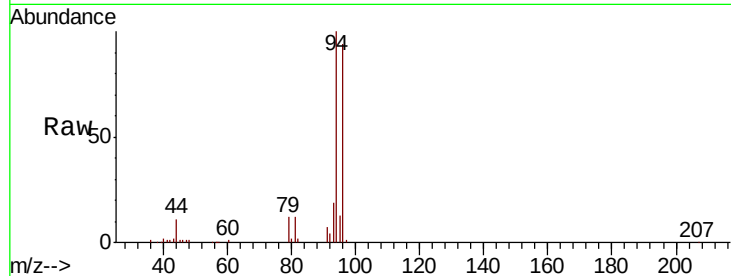
VN1128MBSD01

Tot Ion: 94 Resp: 123025

Ion Ratio Lower Upper

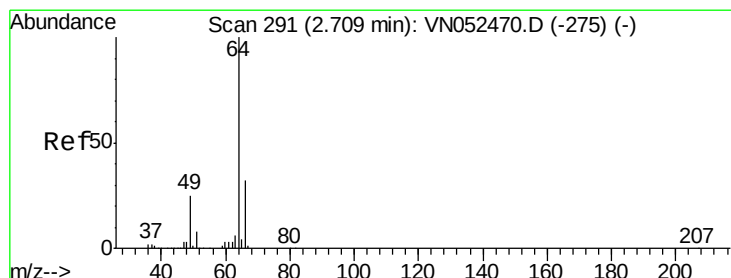
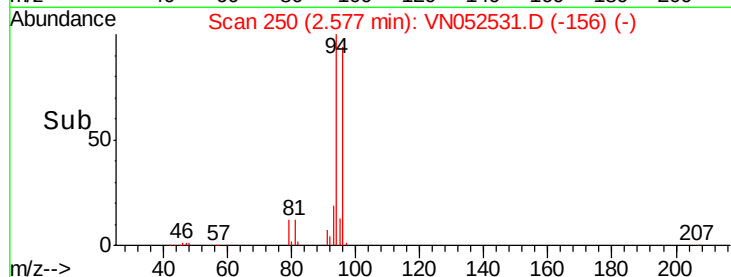
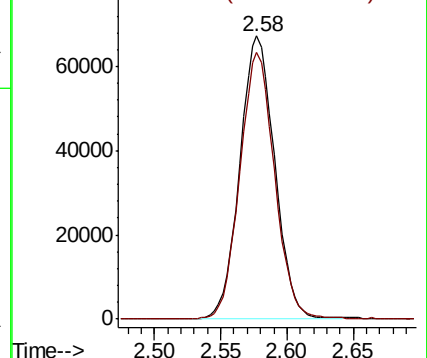
94 100

96 94.1 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.435 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052531.D

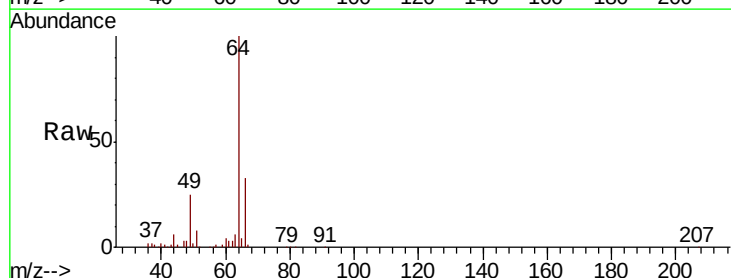
Acq: 28 Nov 2018 20:21

Tgt Ion: 64 Resp: 161398

Ion Ratio Lower Upper

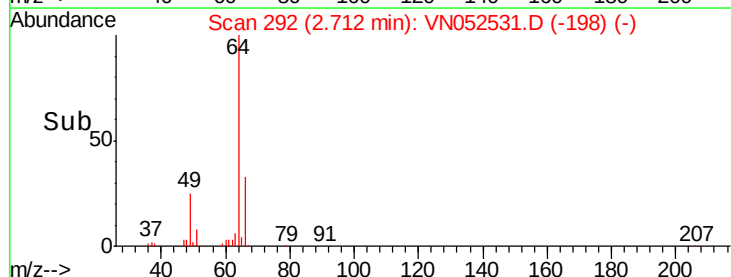
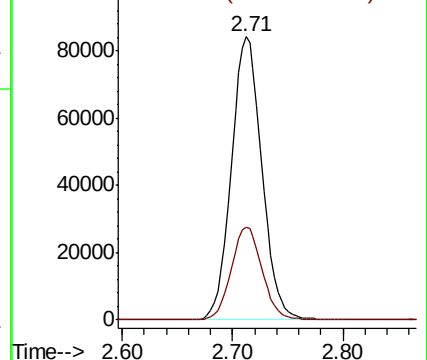
64 100

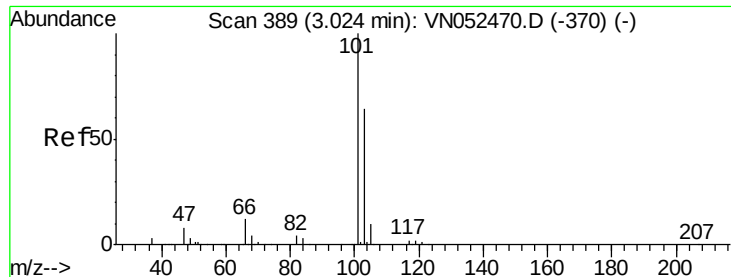
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



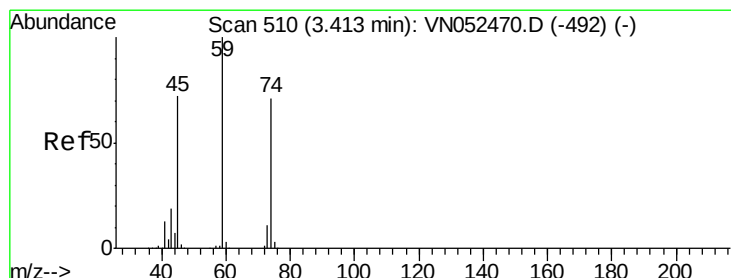
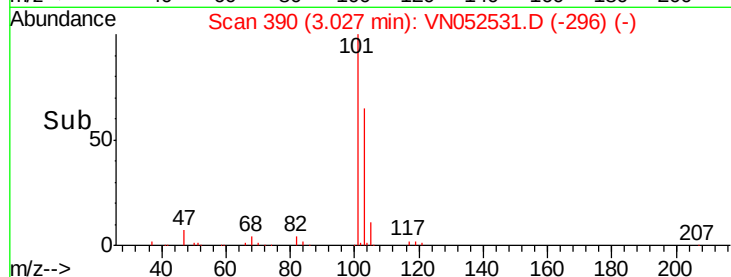
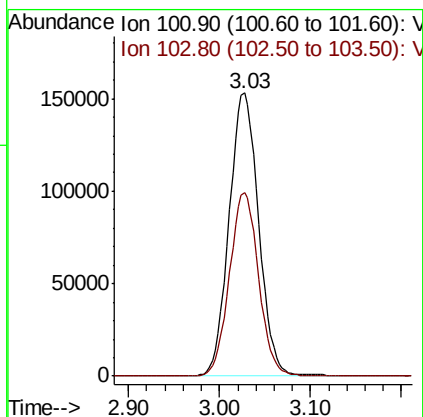
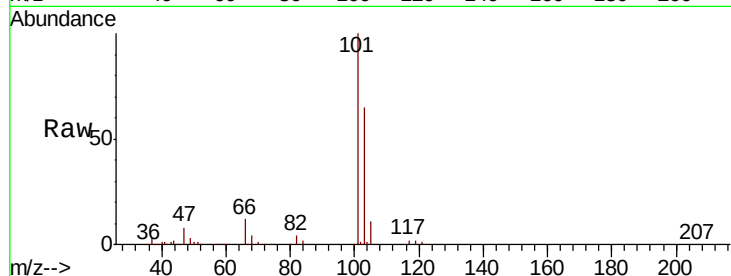


#7

Trichlorofluoromethane
 Concen: 19.492 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

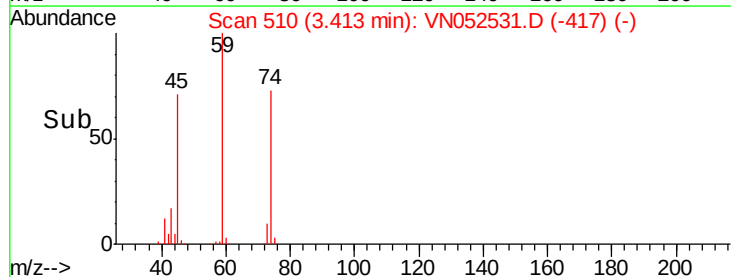
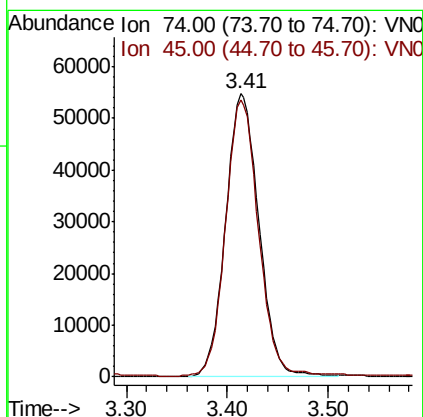
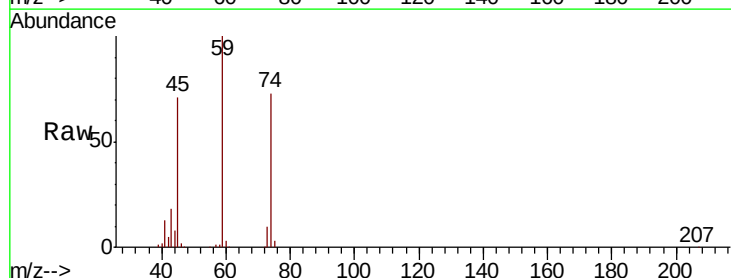
Tot Ion:101 Resp: 346076
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.2

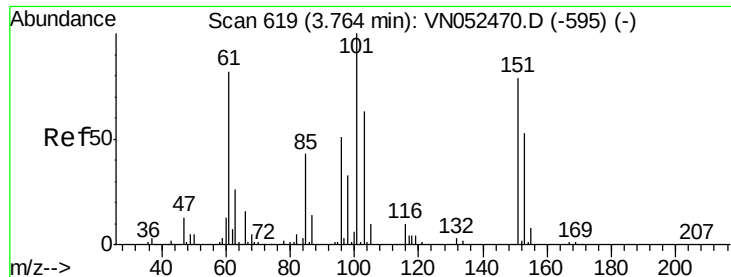


#8

Diethyl Ether
 Concen: 19.220 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion: 74 Resp: 126017
 Ion Ratio Lower Upper
 74 100
 45 96.2 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.406 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

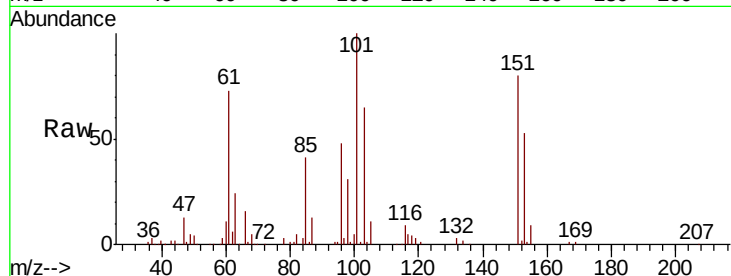
Tot Ion:101 Resp: 214988

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.4

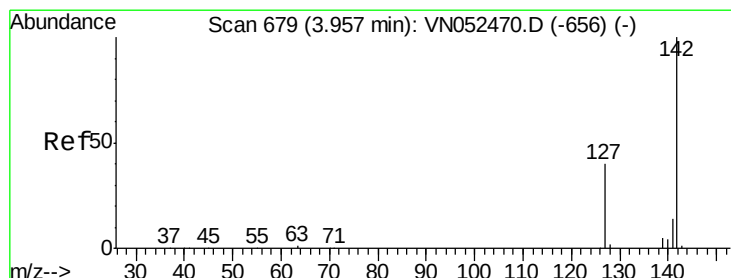
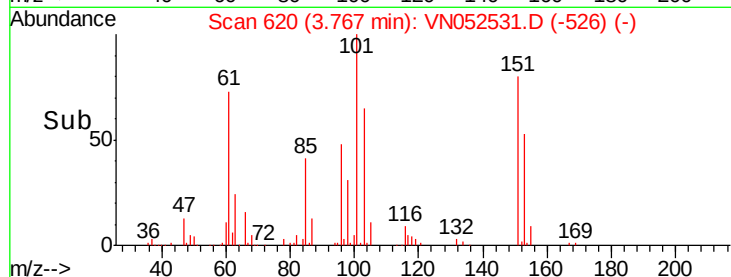
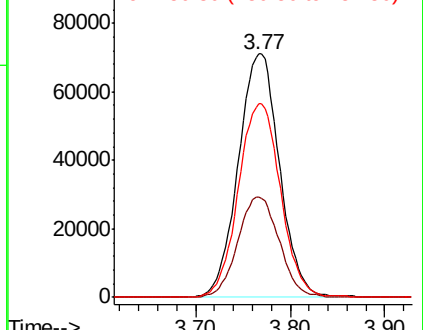
151 81.2 64.6 96.8



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: 16.084 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

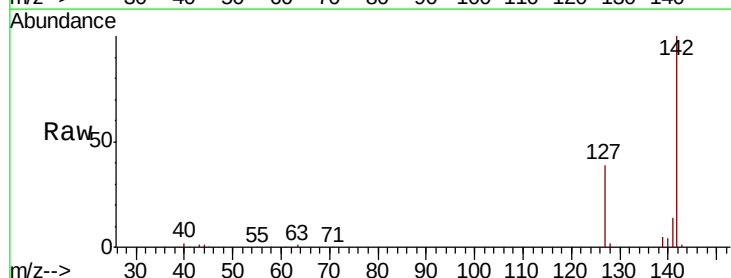
Tgt Ion:142 Resp: 237328

Ion Ratio Lower Upper

142 100

127 38.7 31.8 47.6

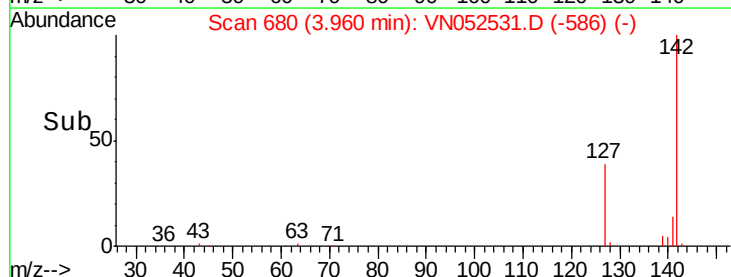
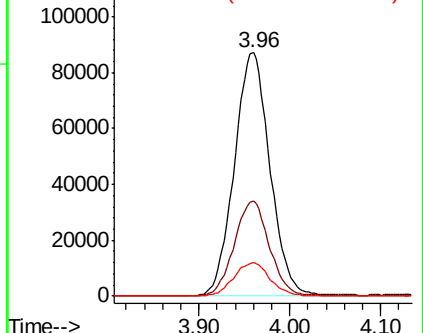
141 14.0 11.4 17.0

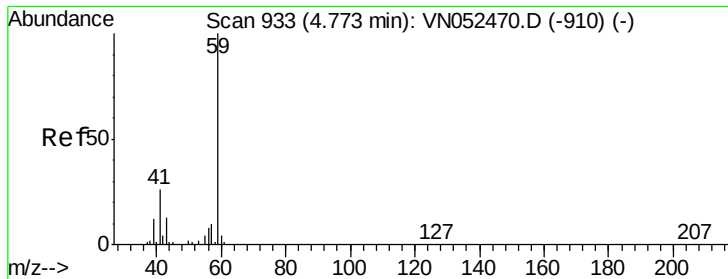


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



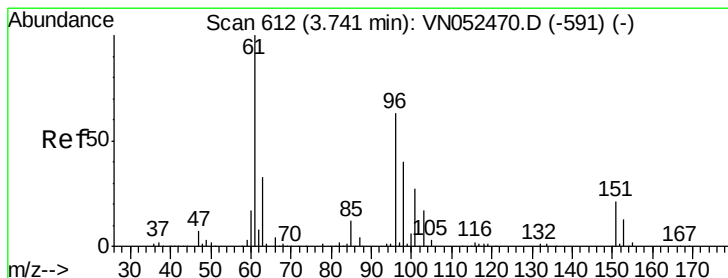
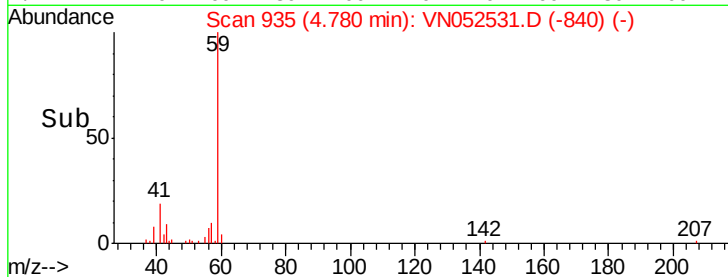
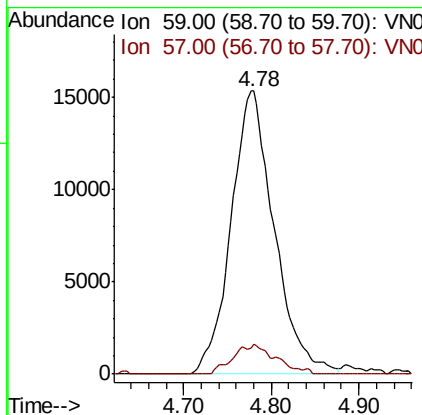
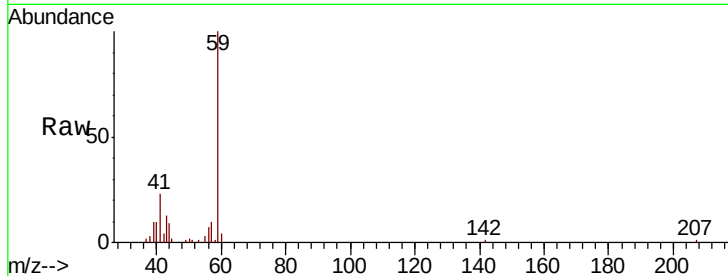


#11

Tert butyl alcohol
Concen: 84.599 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

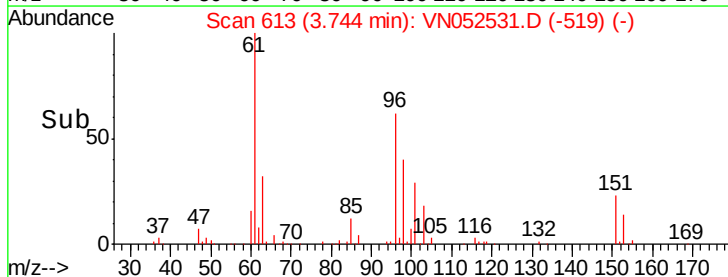
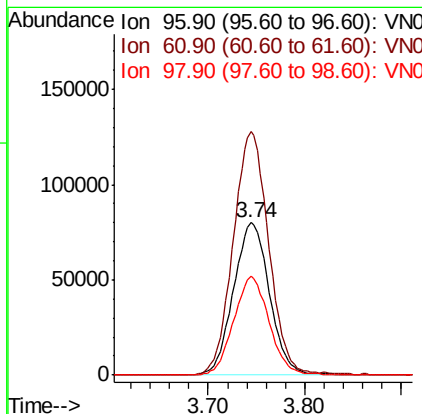
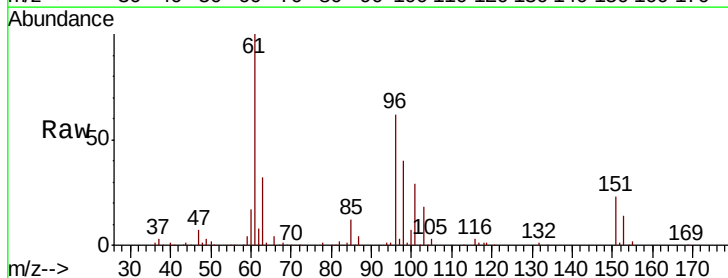
Tot Ion: 59 Resp: 52497
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

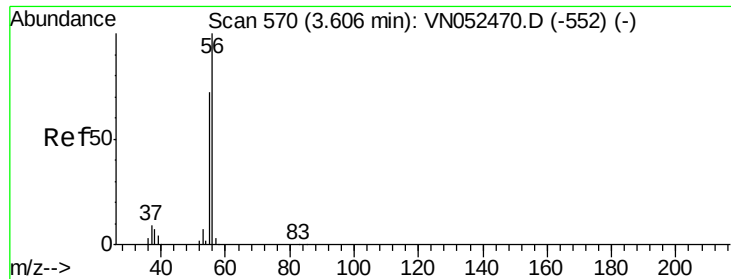


#12

1,1-Dichloroethene
Concen: 19.410 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 96 Resp: 206990
Ion Ratio Lower Upper
96 100
61 160.1 127.0 190.6
98 64.7 50.3 75.5





#13

Acrolein

Concen: 94.991 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

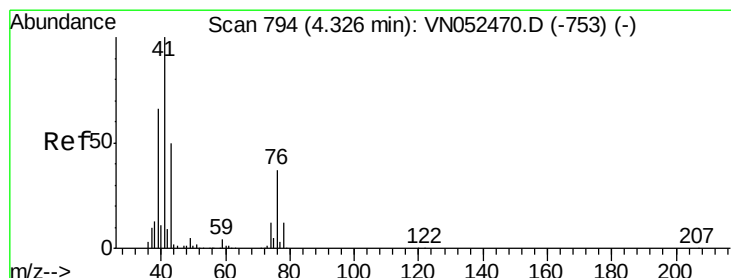
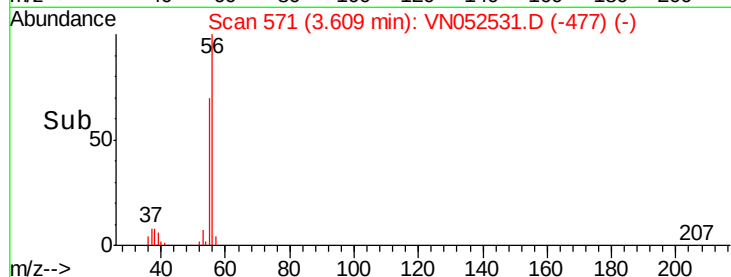
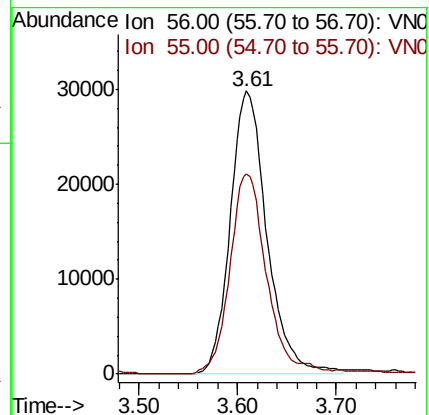
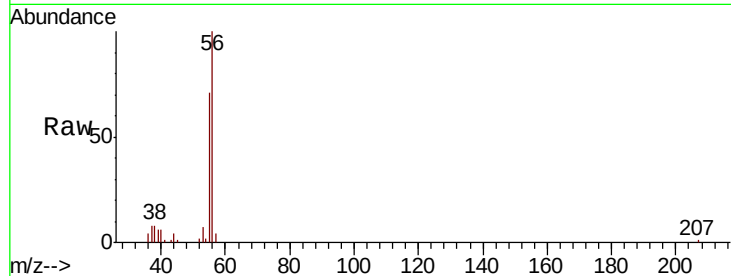
VN1128MBSD01

Tot Ion: 56 Resp: 77310

Ion Ratio Lower Upper

56 100

55 69.1 56.8 85.2



#14

Allyl chloride

Concen: 18.614 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

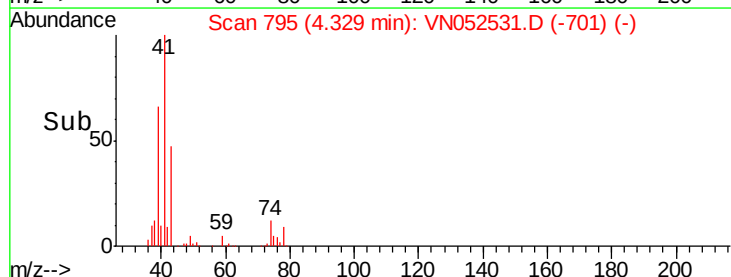
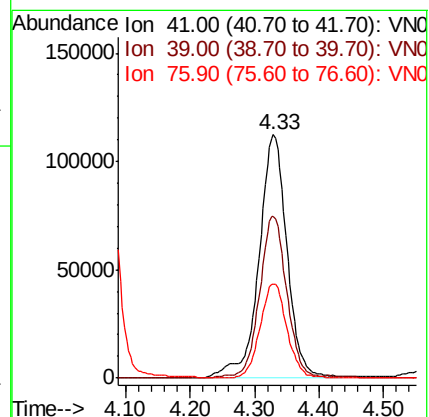
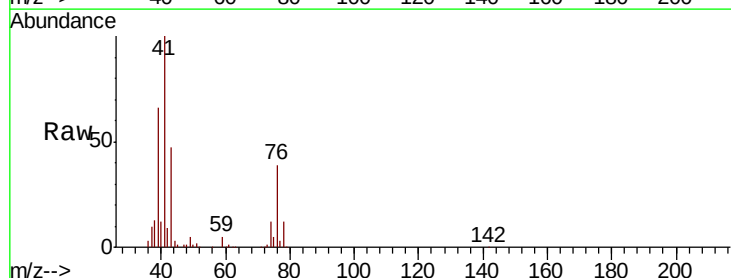
Tgt Ion: 41 Resp: 342115

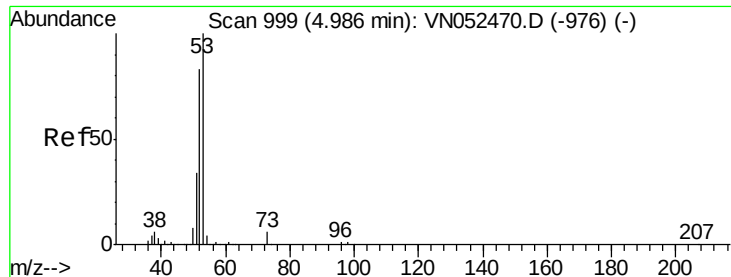
Ion Ratio Lower Upper

41 100

39 64.3 50.6 76.0

76 36.1 27.4 41.2





#15

Acrylonitrile

Concen: 86.808 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

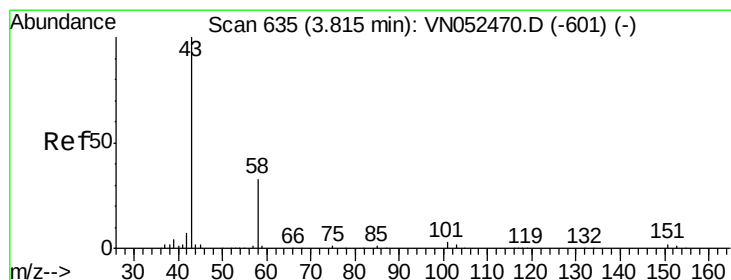
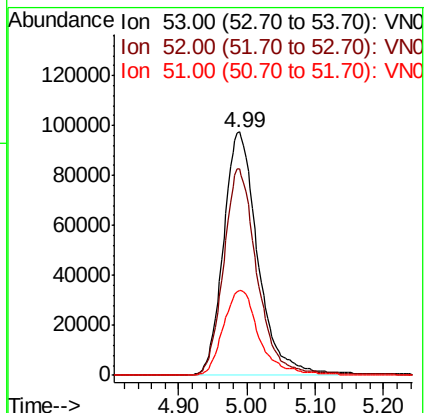
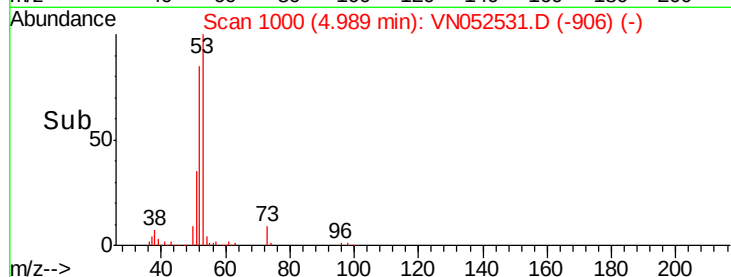
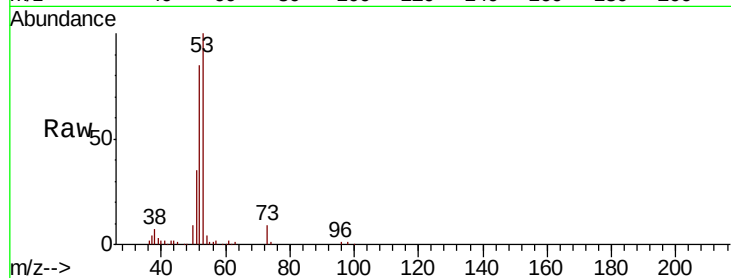
Tot Ion: 53 Resp: 340988

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.2

51 36.6 28.1 42.1



#16

Acetone

Concen: 71.396 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052531.D

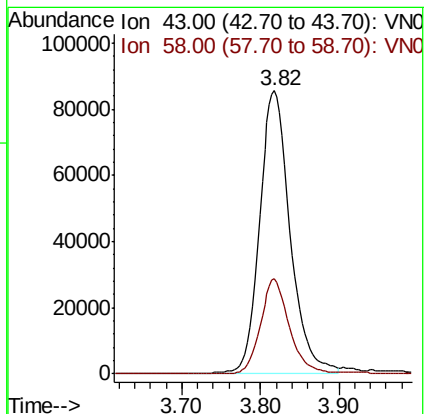
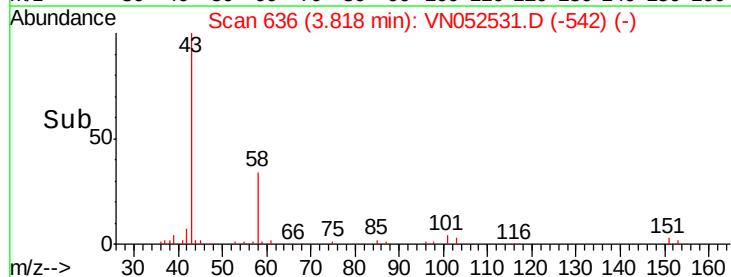
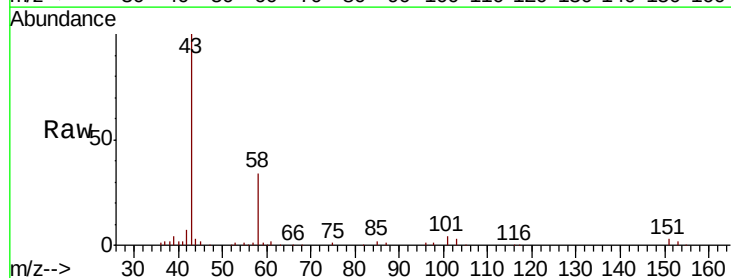
Acq: 28 Nov 2018 20:21

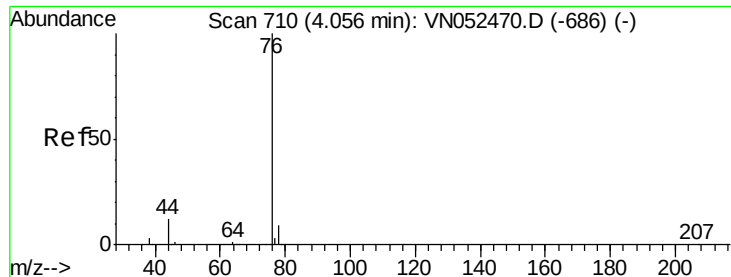
Tgt Ion: 43 Resp: 233419

Ion Ratio Lower Upper

43 100

58 33.5 26.0 39.0





#17

Carbon Disulfide

Concen: 17.458 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

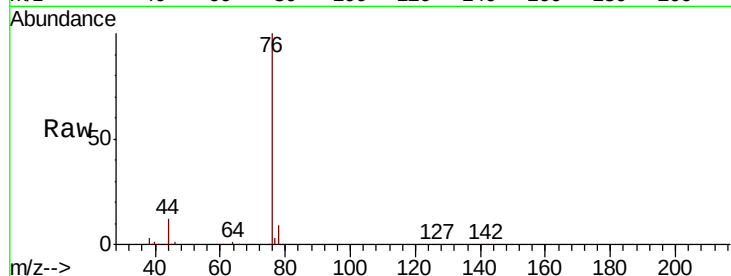
VN1128MBSD01

Tot Ion: 76 Resp: 585861

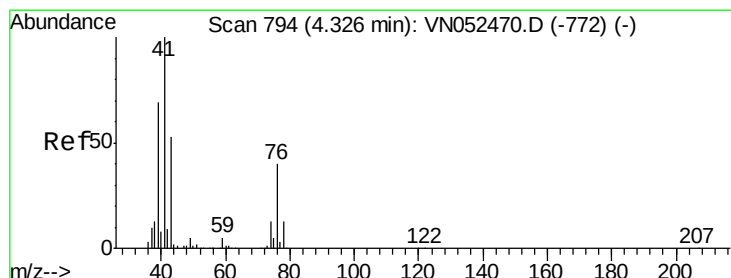
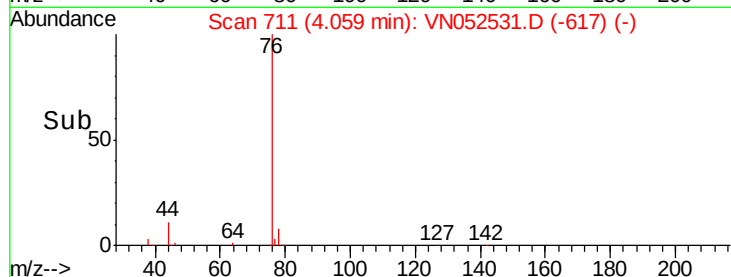
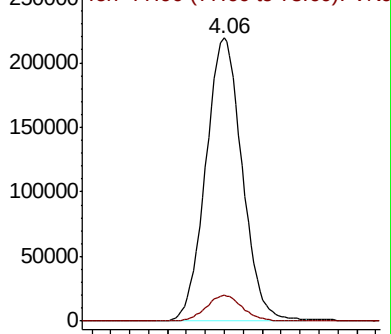
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 17.479 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052531.D

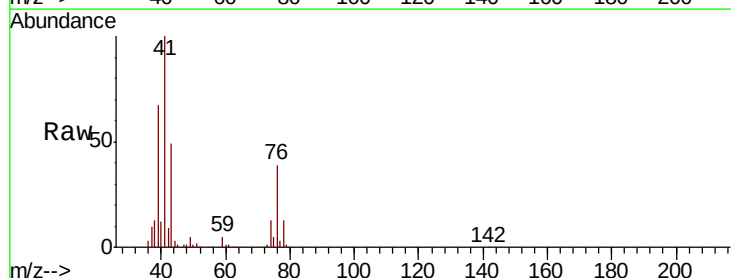
Acq: 28 Nov 2018 20:21

Tgt Ion: 43 Resp: 163922

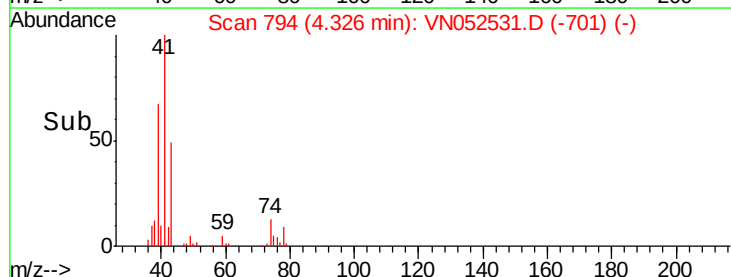
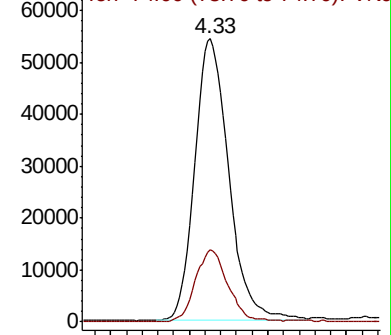
Ion Ratio Lower Upper

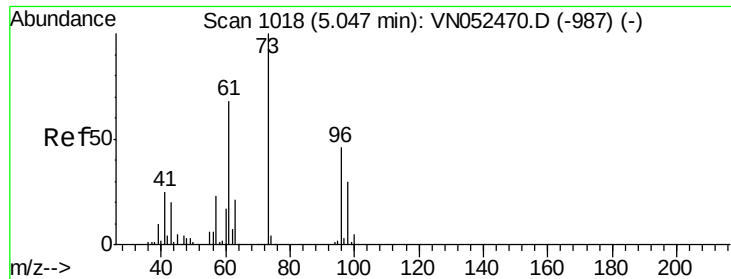
43 100

74 24.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

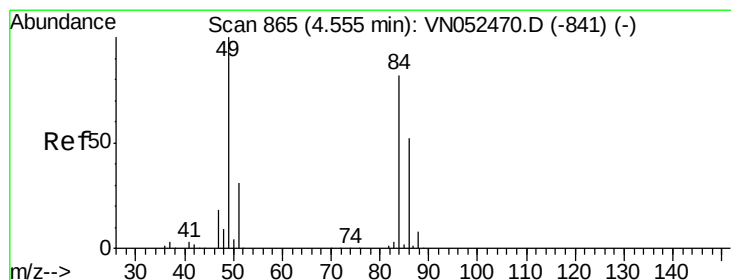
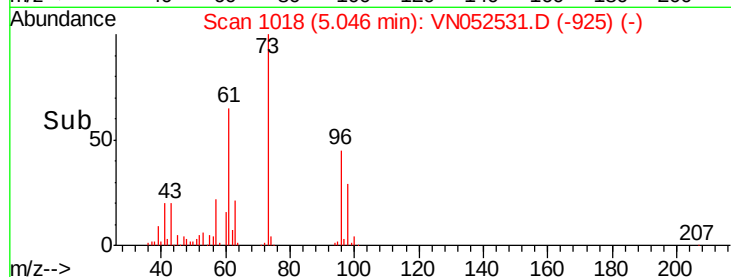
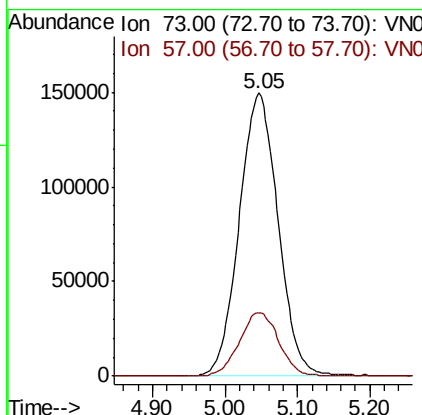
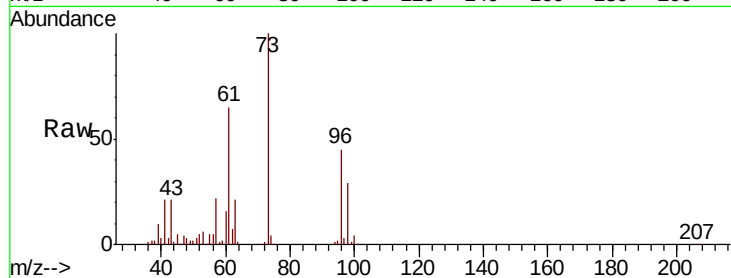




#19
Methyl tert-butyl Ether
Concen: 19.621 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

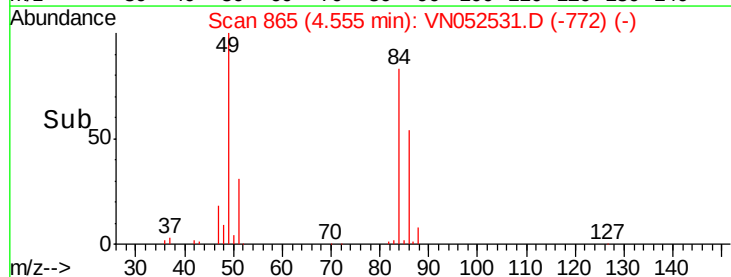
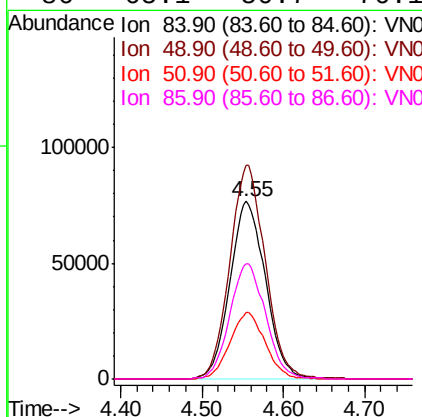
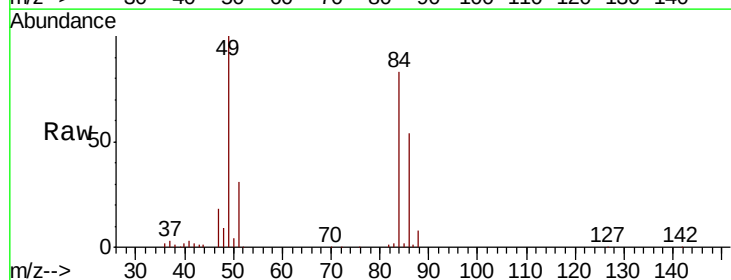
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

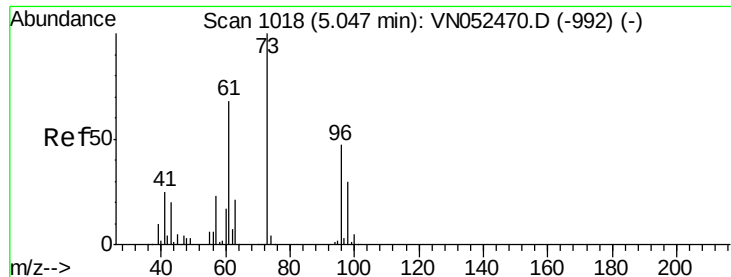
Tot Ion: 73 Resp: 556700
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2



#20
Methylene Chloride
Concen: 18.232 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 84 Resp: 233256
Ion Ratio Lower Upper
84 100
49 120.3 98.0 147.0
51 37.3 30.1 45.1
86 65.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.492 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

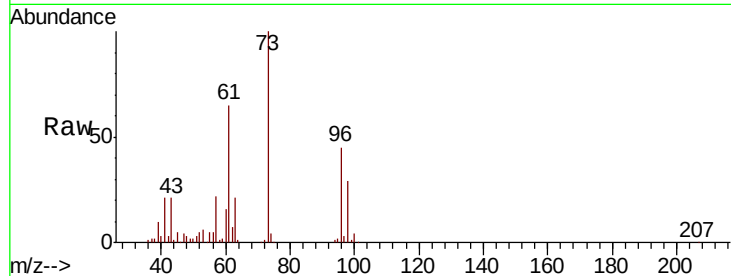
Tot Ion: 96 Resp: 221996

Ion Ratio Lower Upper

96 100

61 141.8 117.0 175.4

98 64.0 51.8 77.6

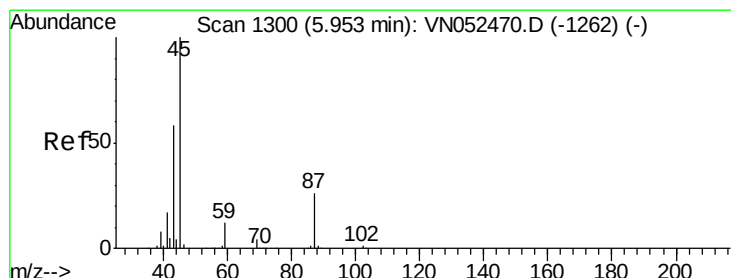
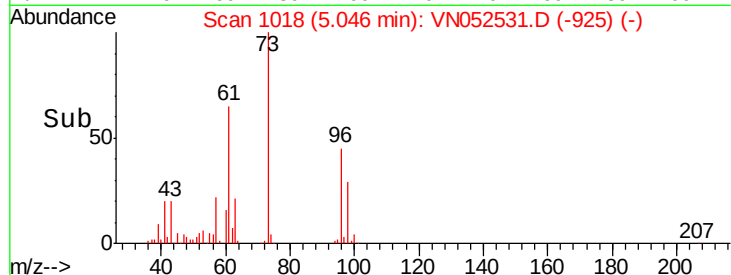
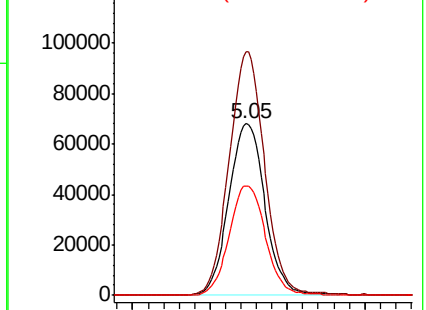


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.883 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Tgt Ion: 45 Resp: 729013

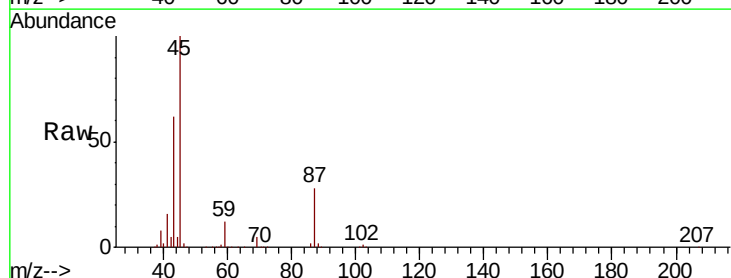
Ion Ratio Lower Upper

45 100

43 61.8 46.1 69.1

87 28.4 21.3 31.9

59 11.9 9.5 14.3



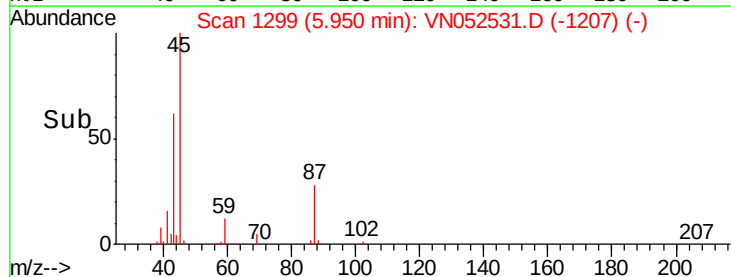
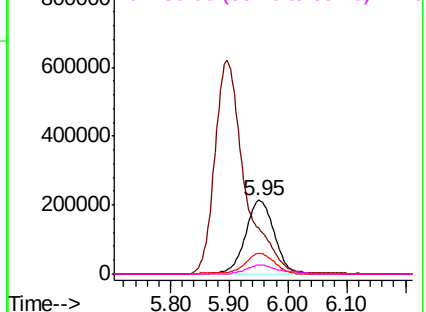
Abundance

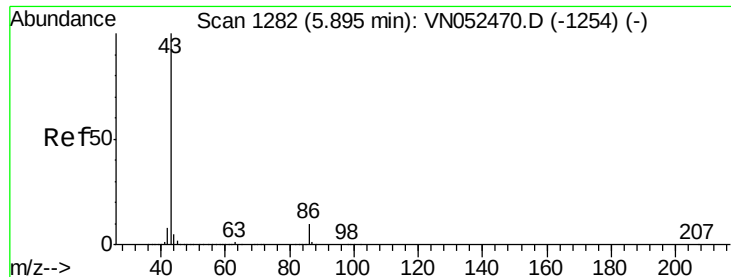
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 91.561 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

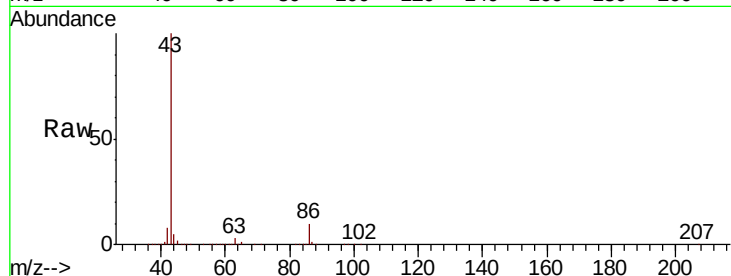
VN1128MBSD01

Tot Ion: 43 Resp: 2201671

Ion Ratio Lower Upper

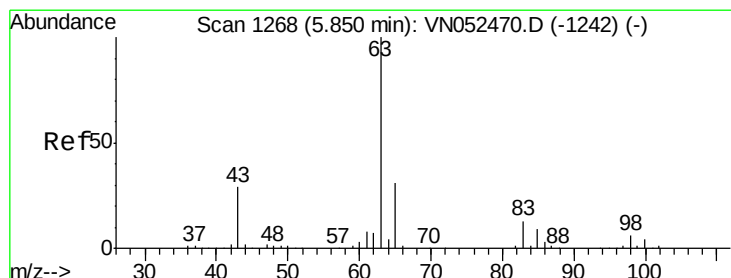
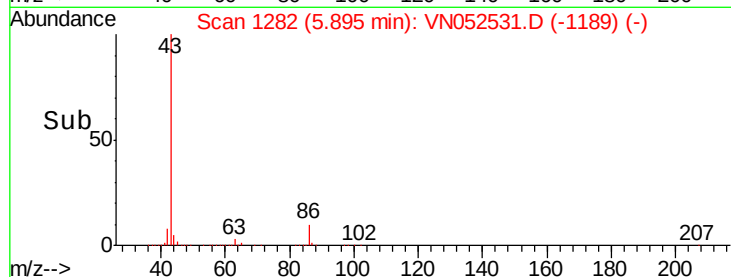
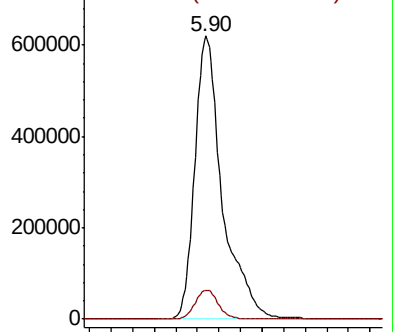
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.047 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

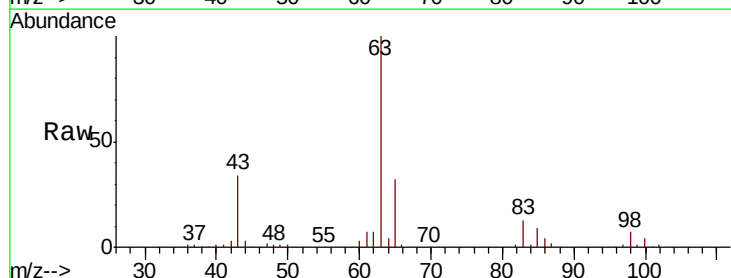
Tgt Ion: 63 Resp: 419840

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.2

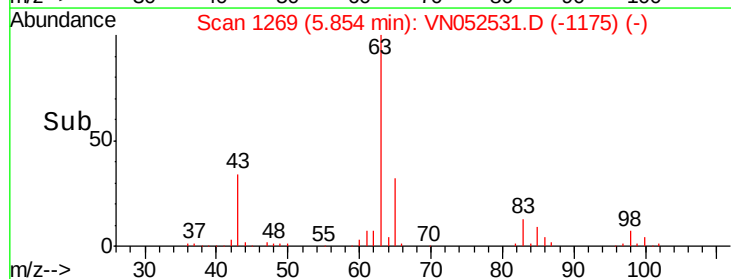
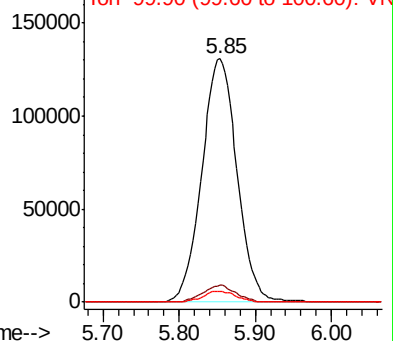
100 4.2 2.0 5.8

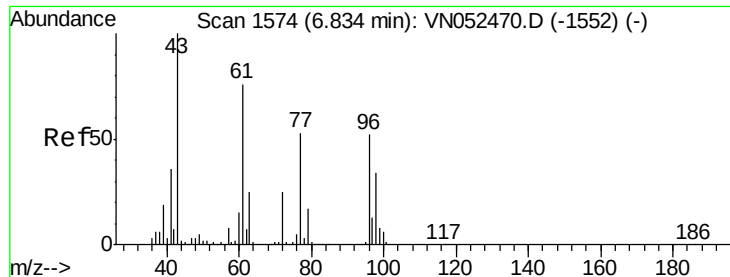


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

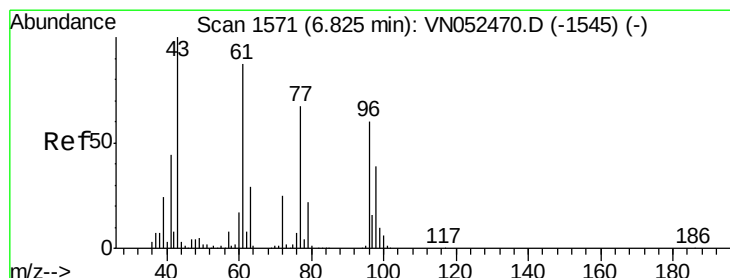
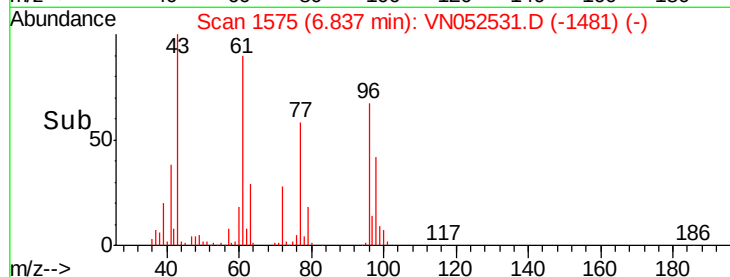
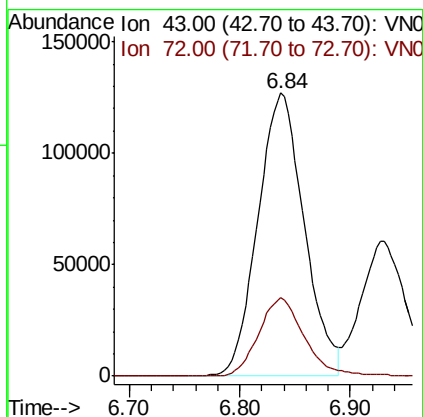
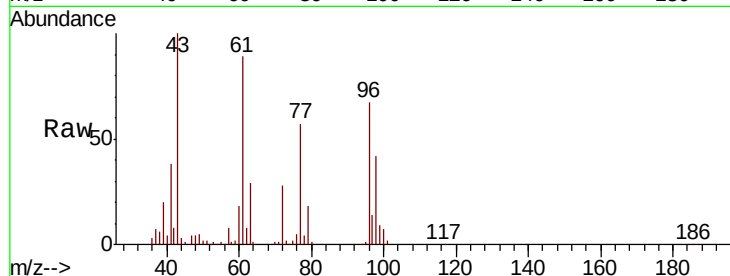




#25
2-Butanone
Concen: 79.617 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

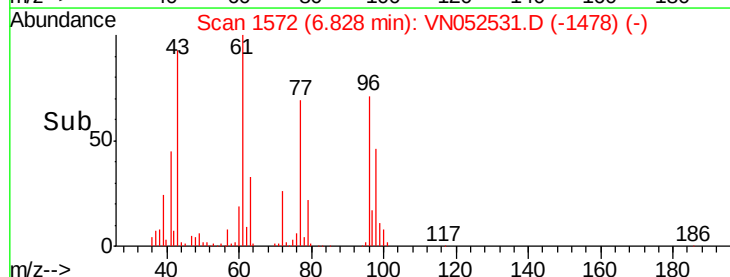
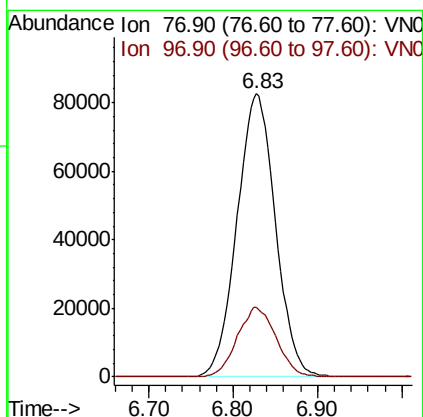
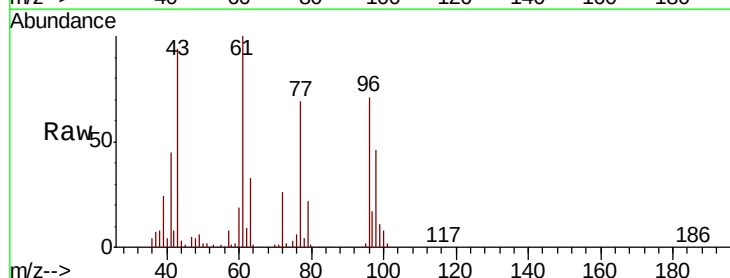
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

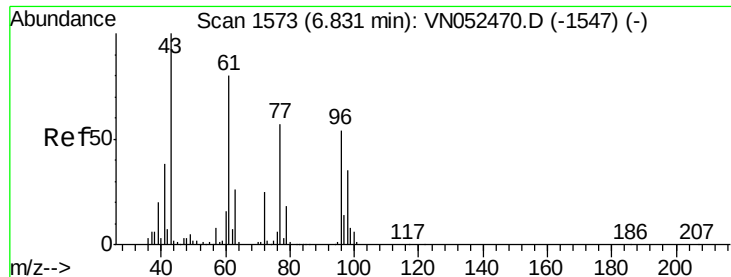
Tot Ion: 43 Resp: 368944
Ion Ratio Lower Upper
43 100
72 27.7 20.1 30.1



#26
2,2-Dichloropropane
Concen: 17.137 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 77 Resp: 261464
Ion Ratio Lower Upper
77 100
97 24.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.347 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

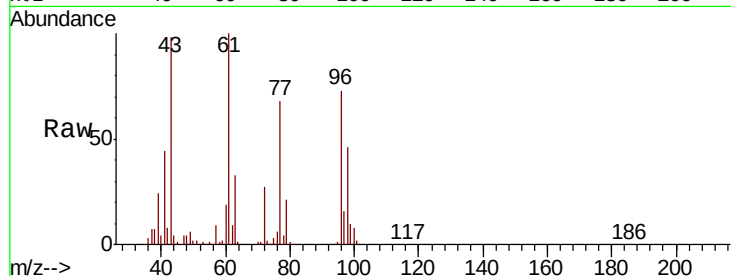
Tot Ion: 96 Resp: 256671

Ion Ratio Lower Upper

96 100

61 140.5 0.0 291.0

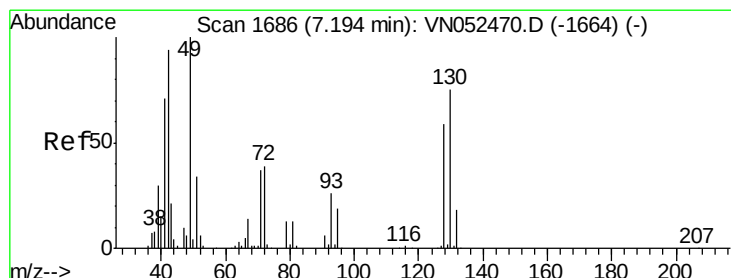
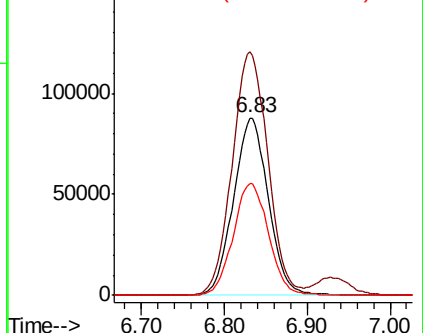
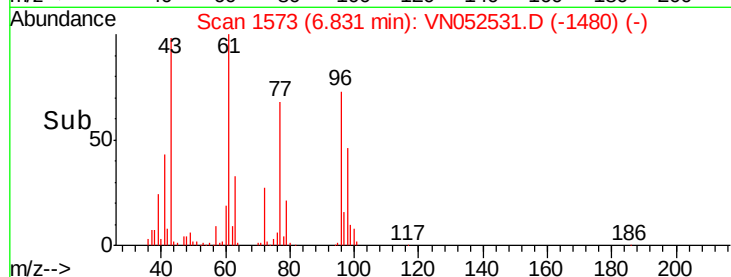
98 64.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN052531.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052531.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052531.D (-1480) (-)



#28

Bromochloromethane

Concen: 18.506 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

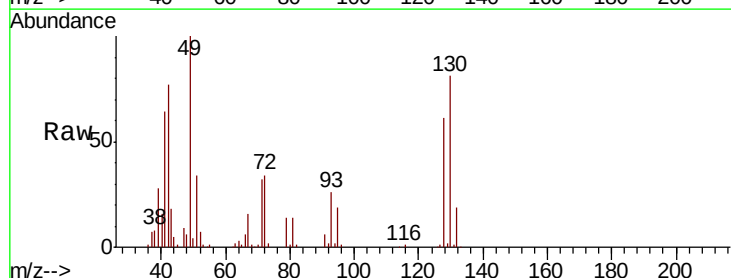
Tgt Ion: 49 Resp: 186315

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

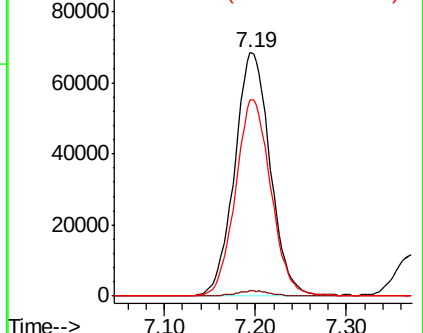
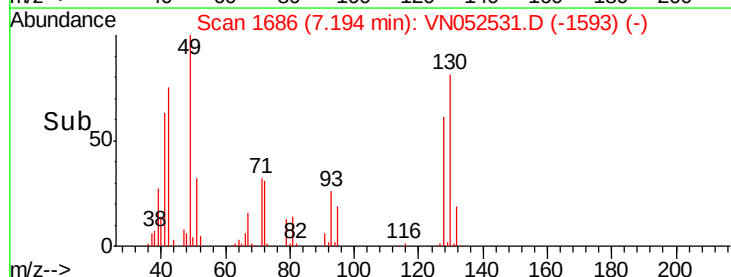
130 80.3 60.2 90.2

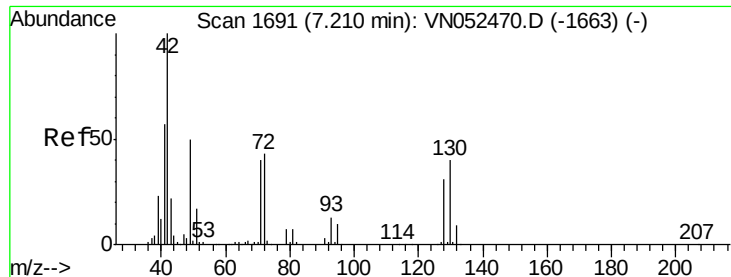


Abundance Ion 48.90 (48.60 to 49.60): VN052531.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052531.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052531.D (-1593) (-)

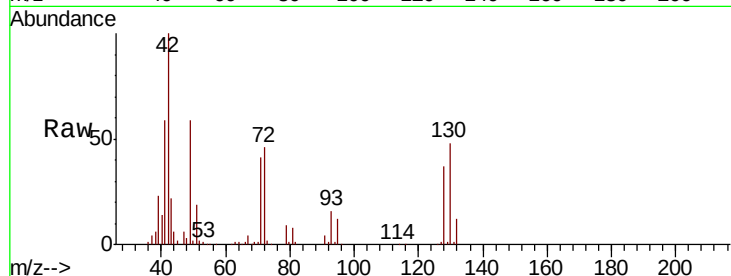




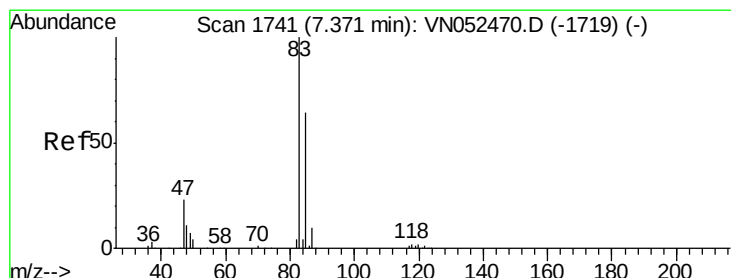
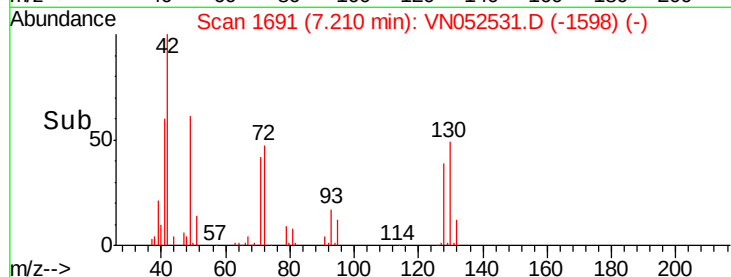
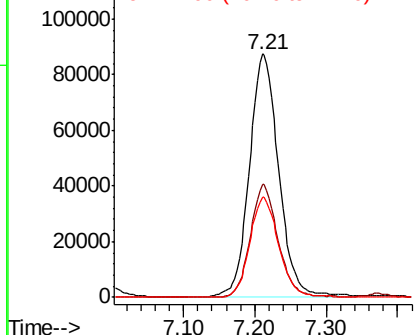
#29
Tetrahydrofuran
Concen: 82.780 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

Tot Ion: 42 Resp: 247421
Ion Ratio Lower Upper
42 100
72 44.2 33.3 49.9
71 40.7 32.0 48.0

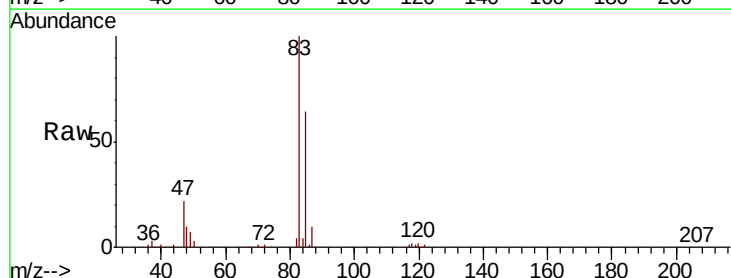


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

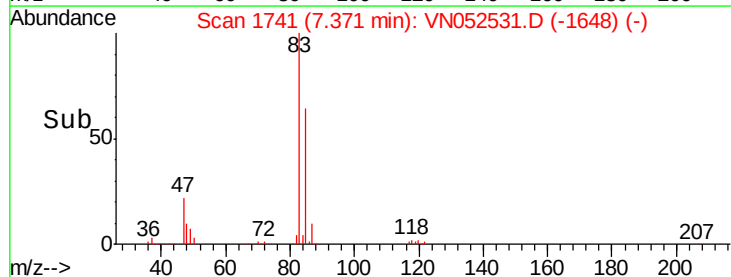
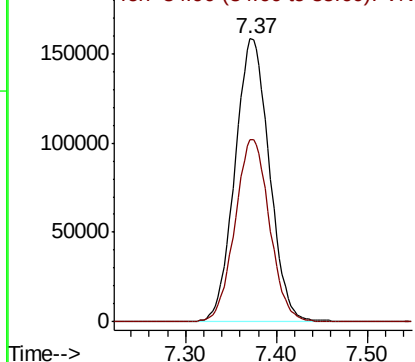


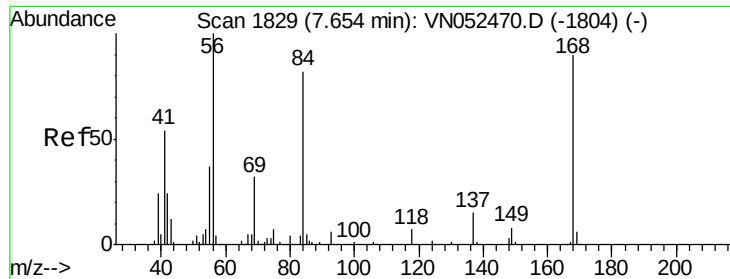
#30
Chloroform
Concen: 18.952 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 83 Resp: 416797
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4



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

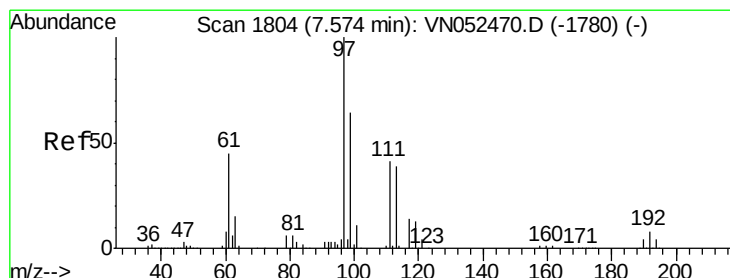
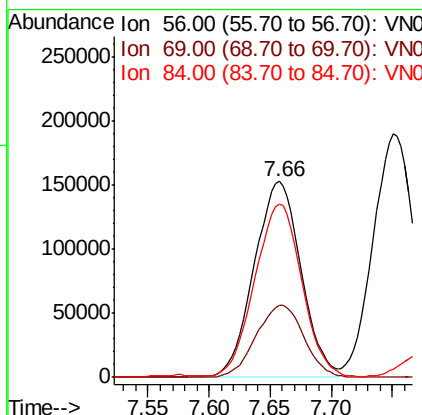
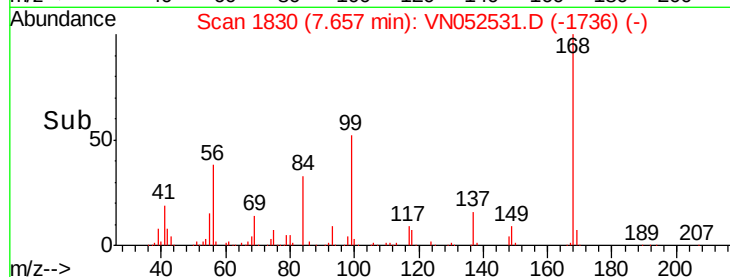
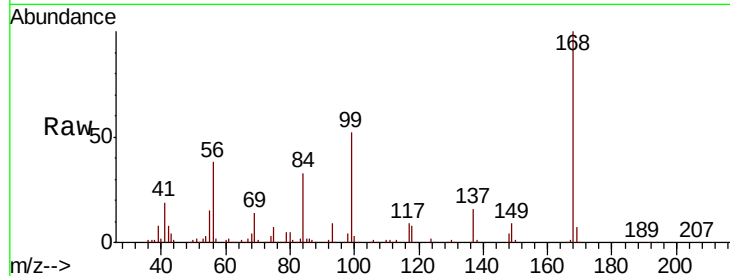




#31
Cyclohexane
Concen: 18.866 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

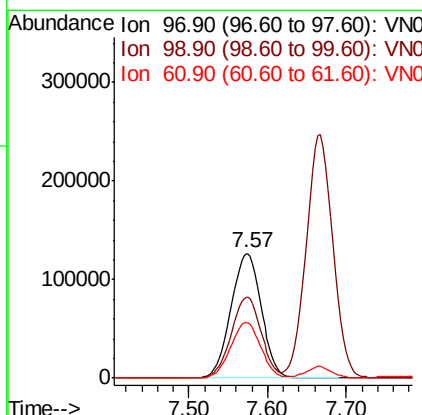
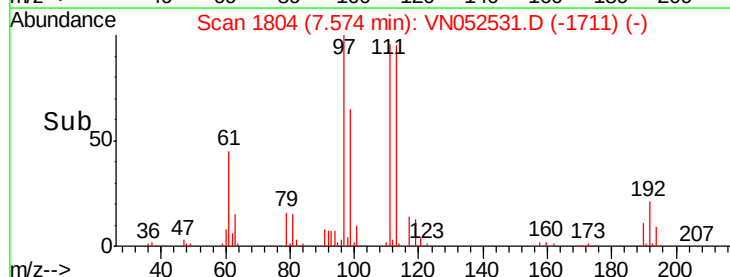
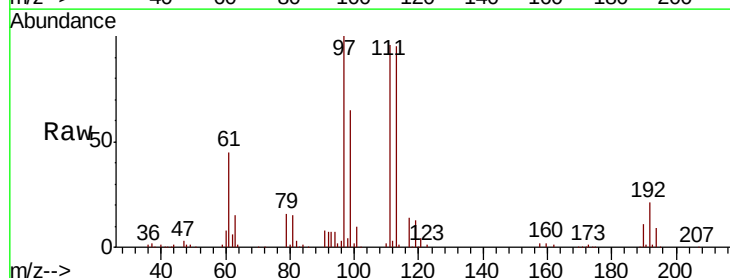
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

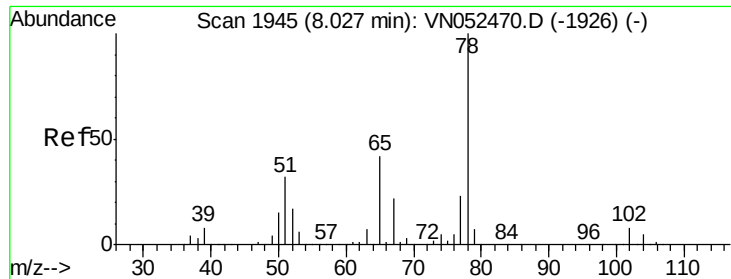
Tot Ion: 56 Resp: 407356
Ion Ratio Lower Upper
56 100
69 36.9 25.8 38.6
84 87.5 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 19.587 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 97 Resp: 341300
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 44.2 36.8 55.2

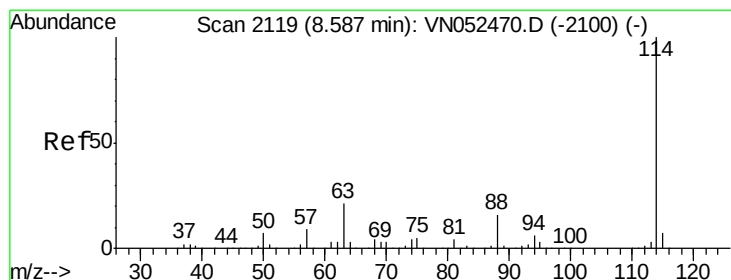
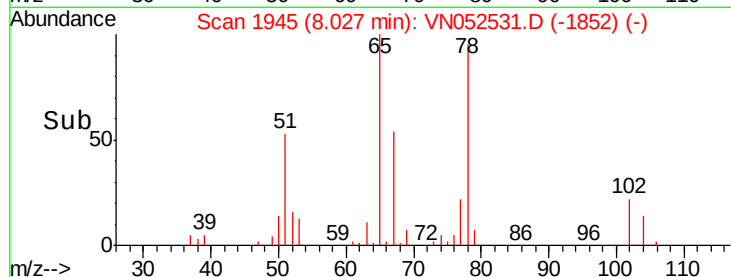
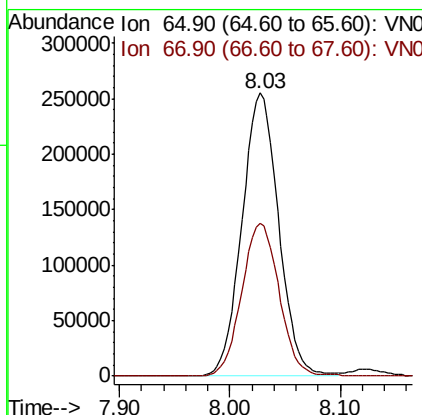
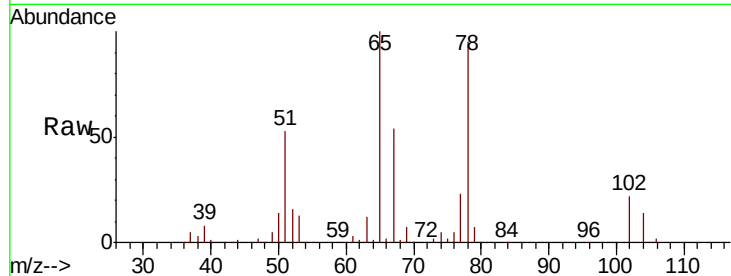




#33
 1,2-Dichloroethane-d4
 Concen: 19.587 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

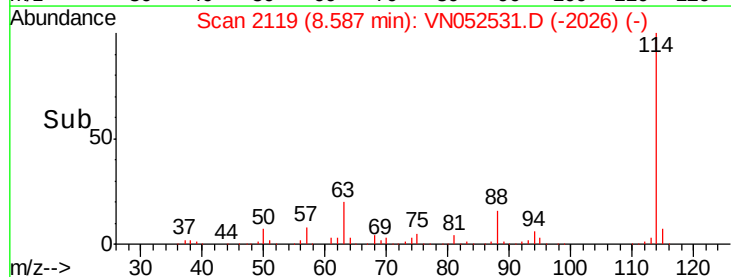
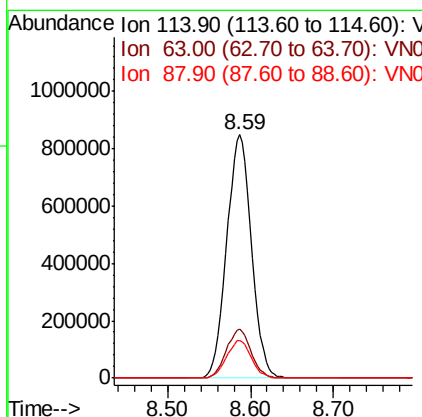
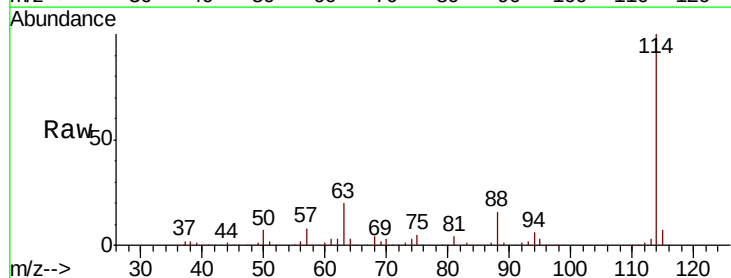
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

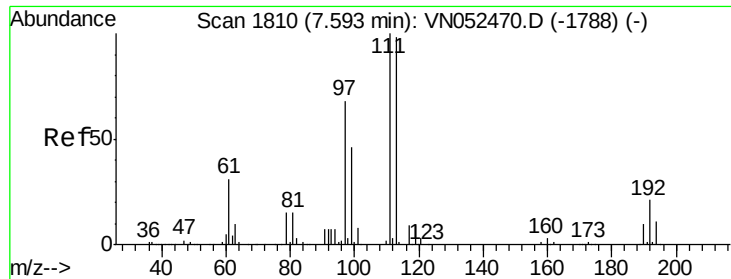
Tot Ion: 65 Resp: 589632
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion: 114 Resp: 1758515
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.8
 88 15.5 0.0 31.6

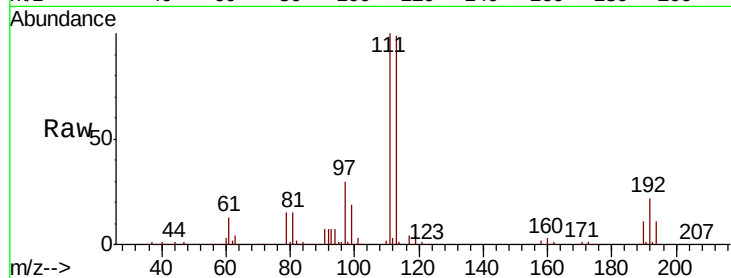




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	22.6	17.0	25.6

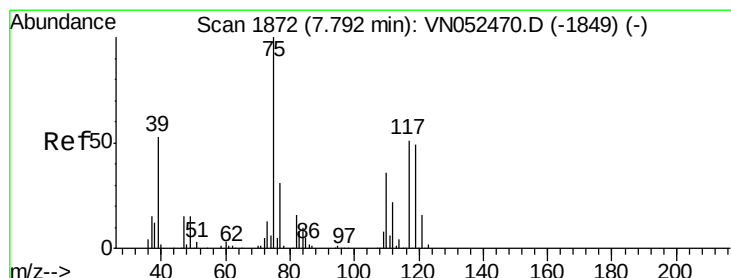
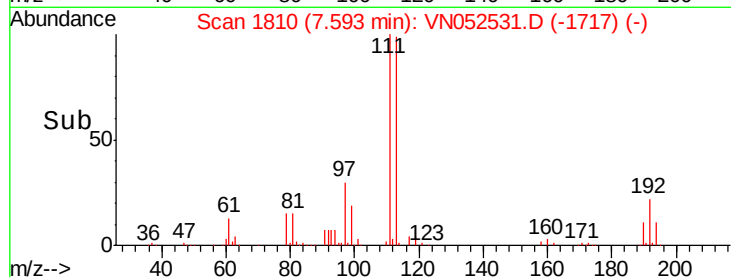
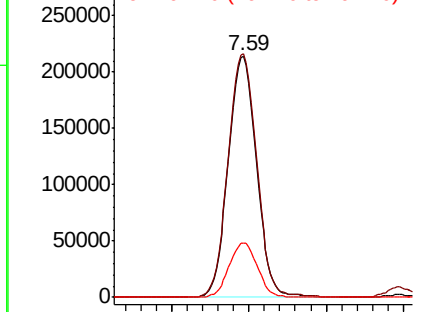


Abundance

Ion 112.80 (112.50 to 113.50): V

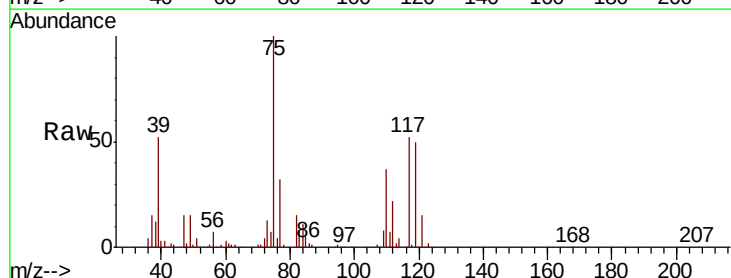
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.253 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.5	52.6
77	31.7	24.5	36.7

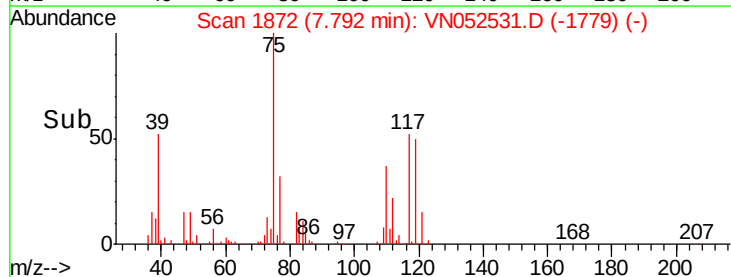
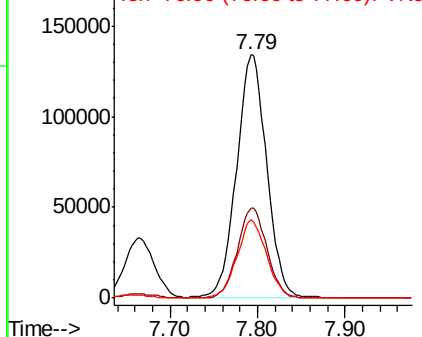


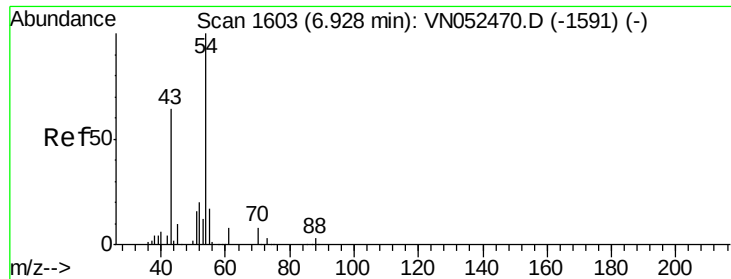
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

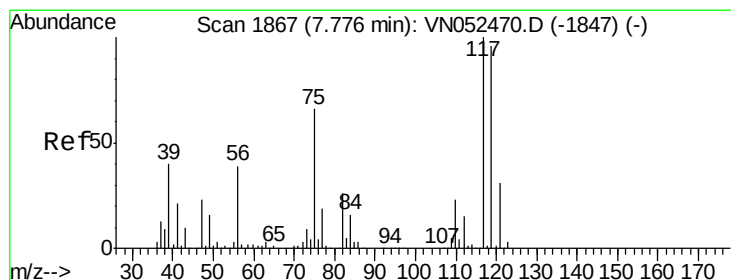
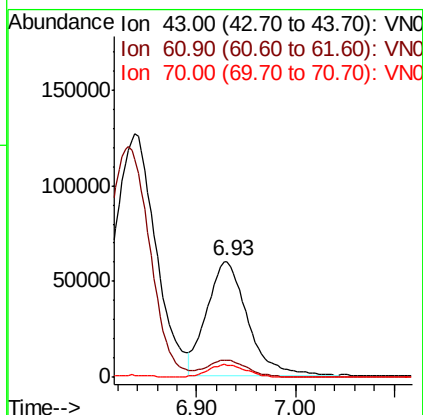
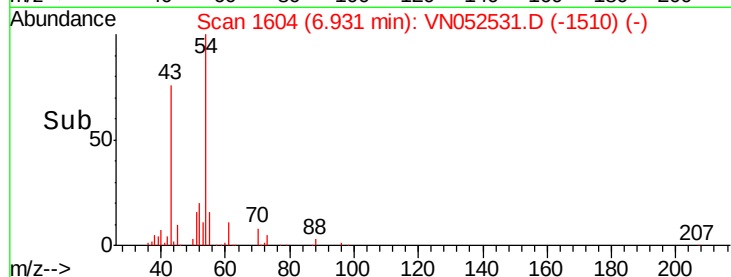
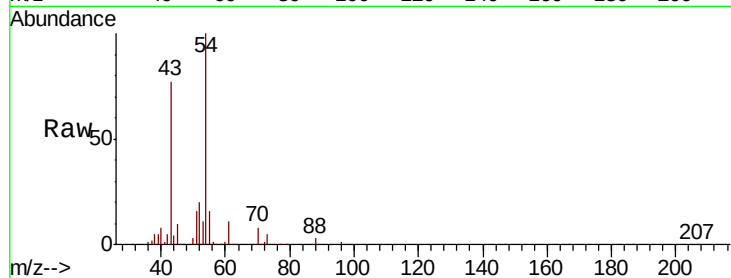




#37
Ethyl Acetate
Concen: 17.031 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

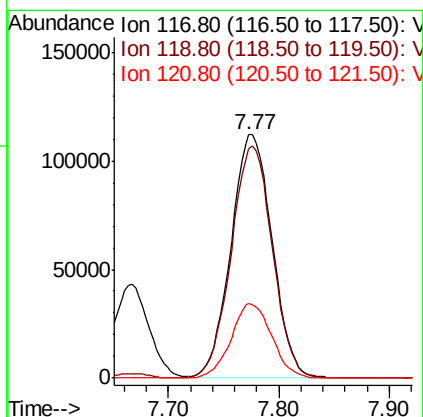
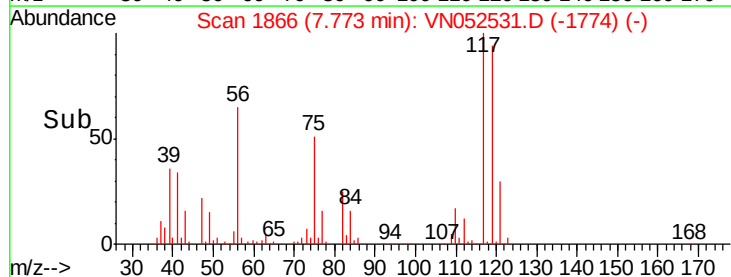
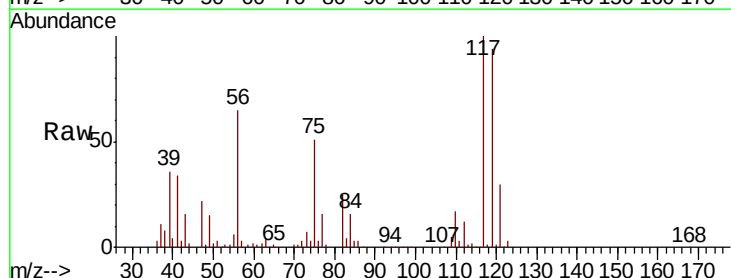
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

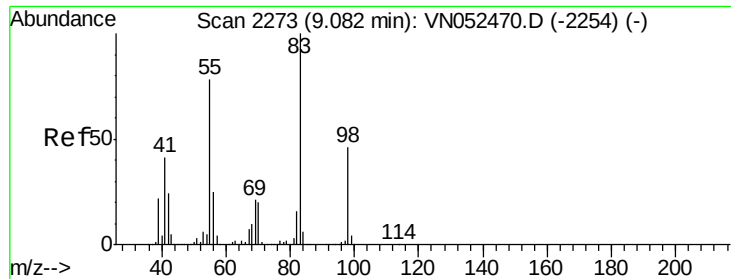
Tot Ion: 43 Resp: 172604
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.245 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 117 Resp: 289316
Ion Ratio Lower Upper
117 100
119 94.1 76.8 115.2
121 30.5 24.9 37.3

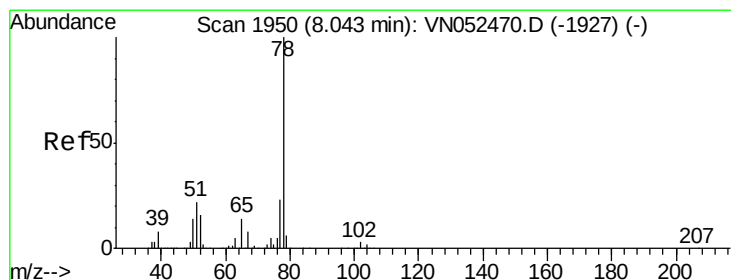
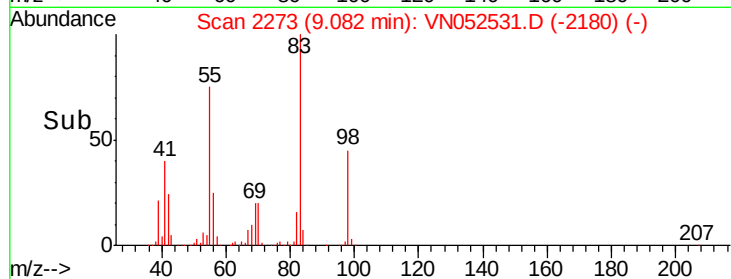
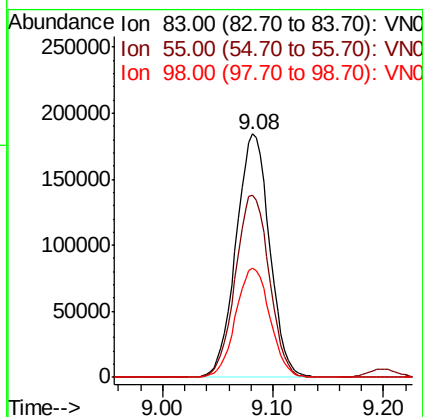
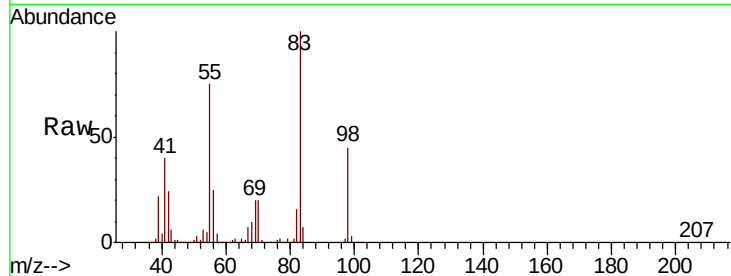




#39
Methylvlcyclohexane
Concen: 19.249 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

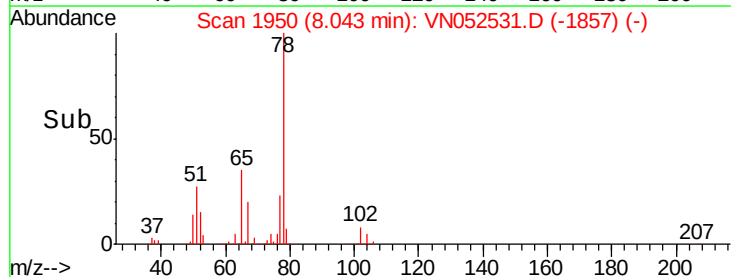
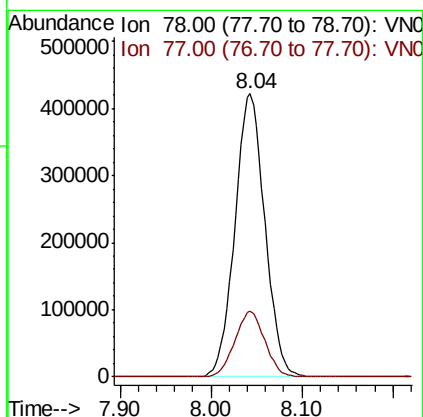
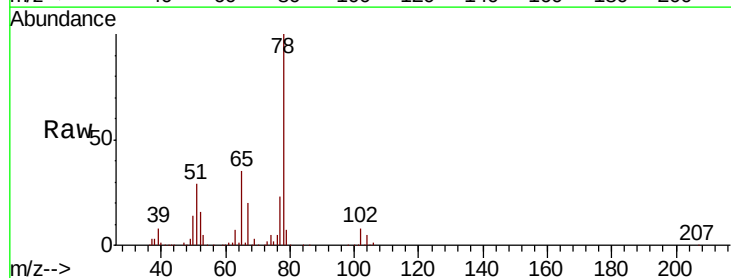
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

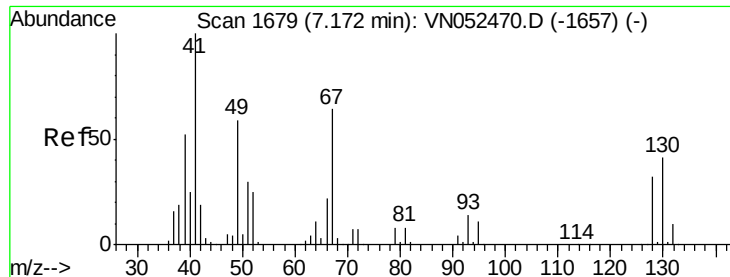
Tot Ion: 83 Resp: 388534
Ion Ratio Lower Upper
83 100
55 75.0 62.2 93.2
98 44.8 36.4 54.6



#40
Benzene
Concen: 19.478 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 78 Resp: 963971
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

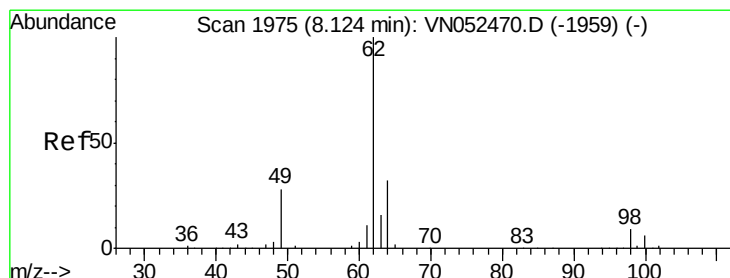
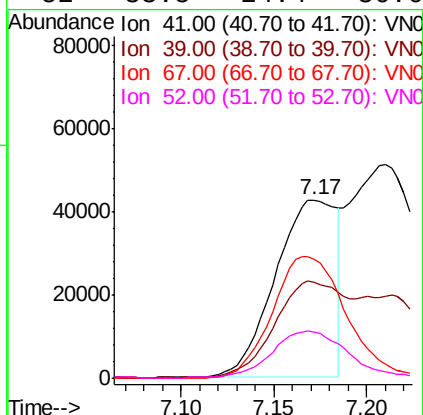
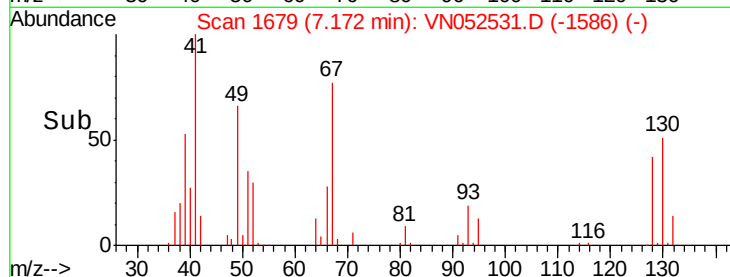
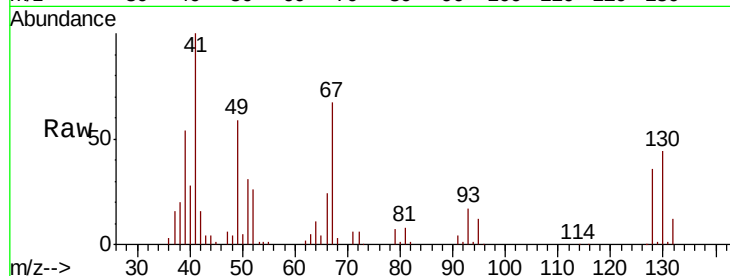




#41
Methacrylonitrile
Concen: 17.632 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

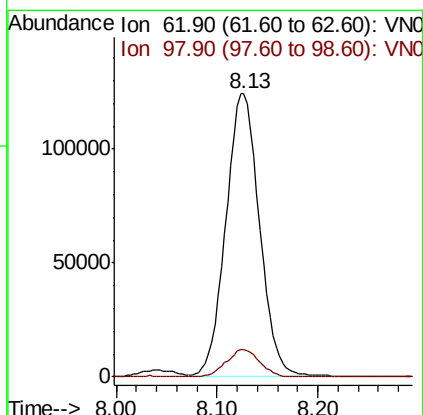
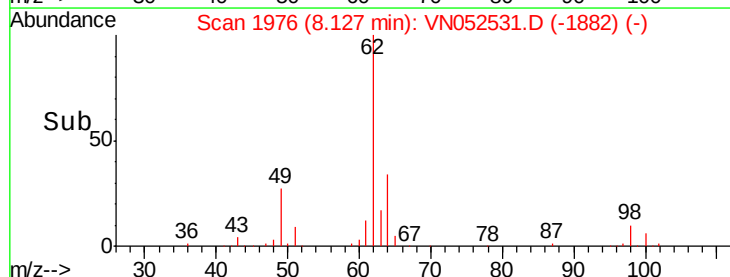
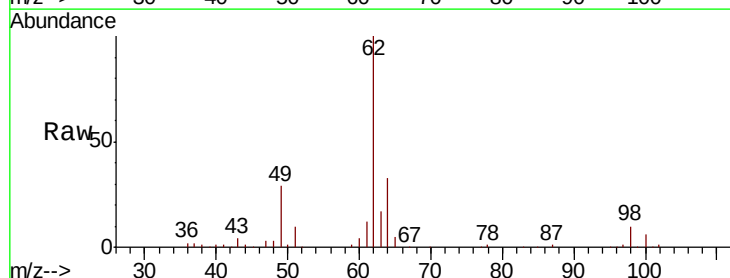
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

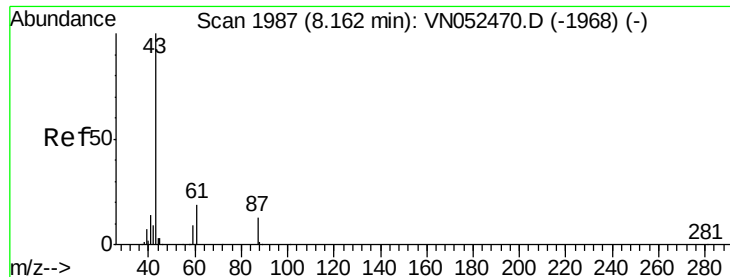
Tot Ion: 41 Resp: 97695
Ion Ratio Lower Upper
41 100
39 61.1 50.9 76.3
67 84.6 63.6 95.4
52 33.5 24.4 36.6



#42
1,2-Dichloroethane
Concen: 19.238 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 62 Resp: 288283
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.979 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

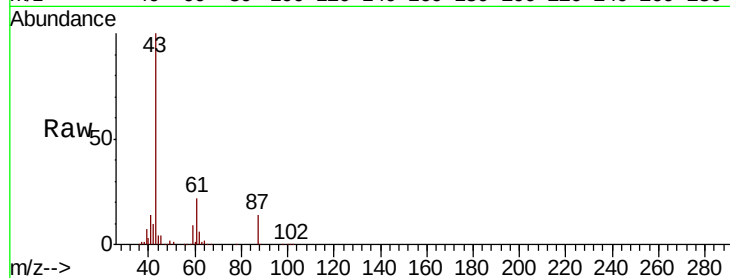
Tot Ion: 43 Resp: 325507

Ion Ratio Lower Upper

43 100

61 29.0 24.1 36.1

87 13.0 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

8.16

150000

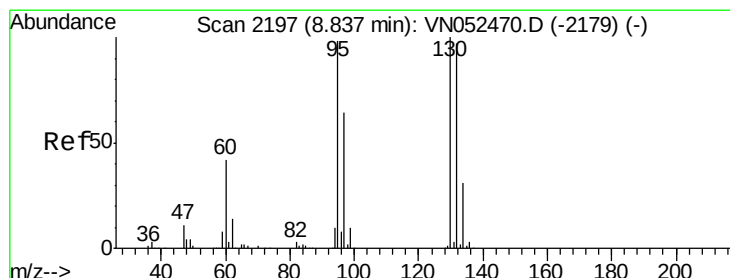
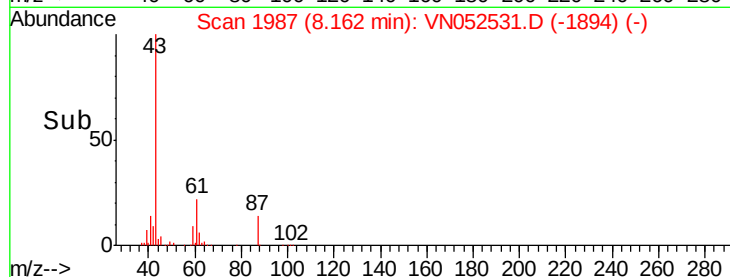
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.903 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052531.D

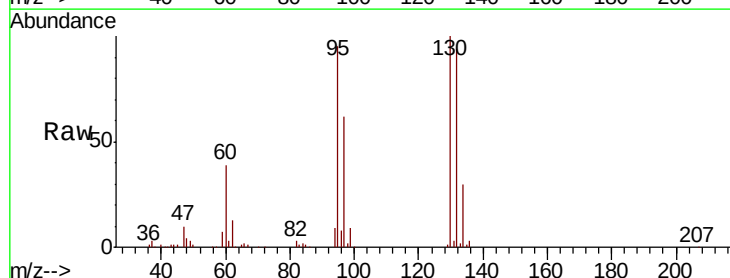
Acq: 28 Nov 2018 20:21

Tgt Ion: 130 Resp: 252306

Ion Ratio Lower Upper

130 100

95 95.3 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

150000

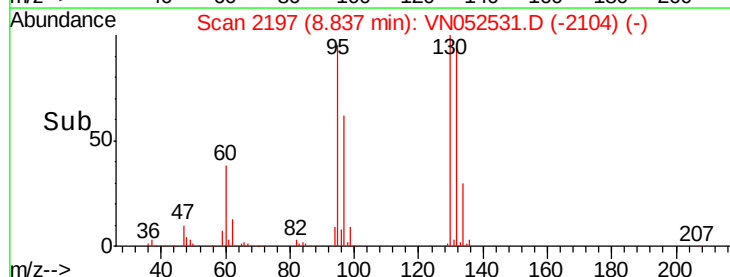
100000

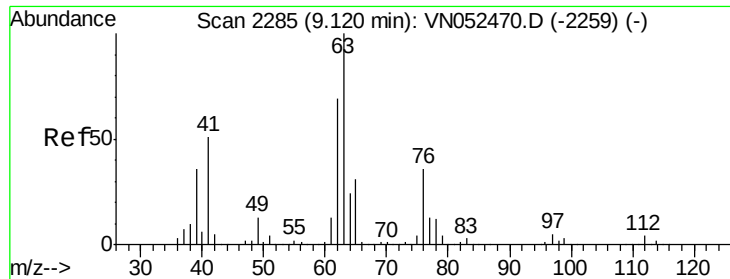
50000

0

8.80 8.84 8.88 8.92

Time-->

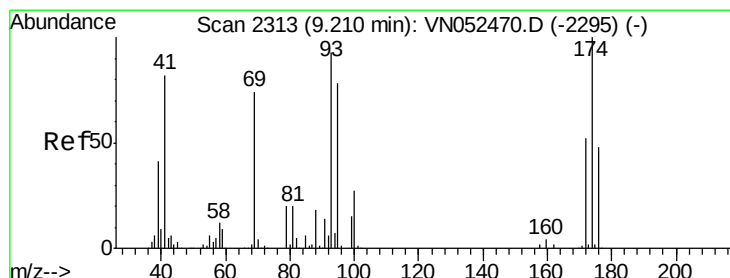
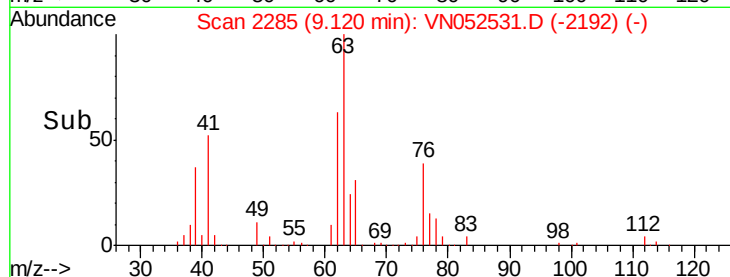
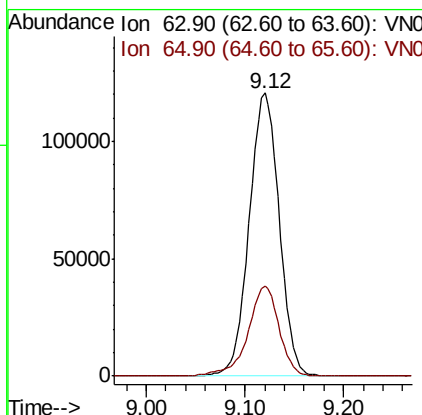
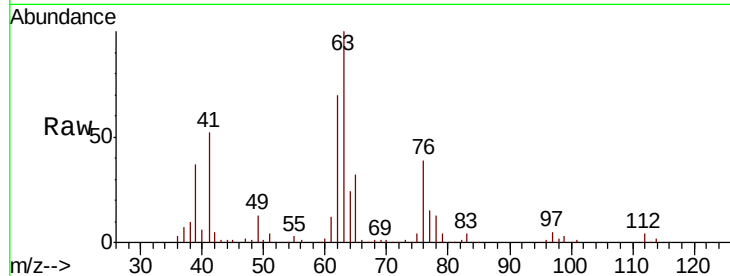




#45
 1,2-Dichloropropane
 Concen: 19.268 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

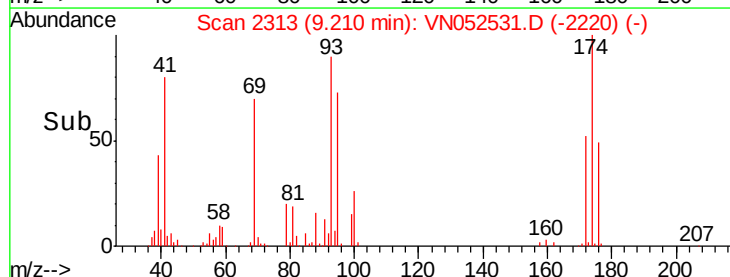
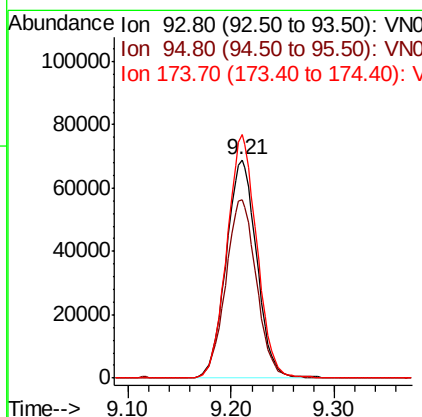
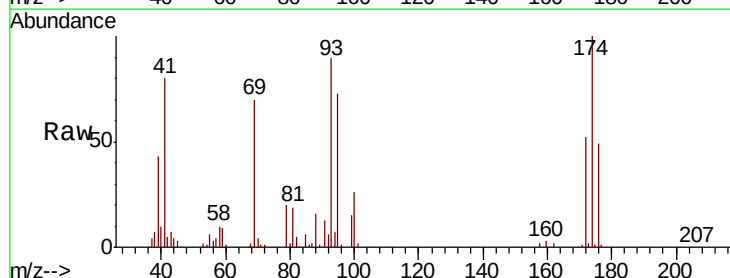
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

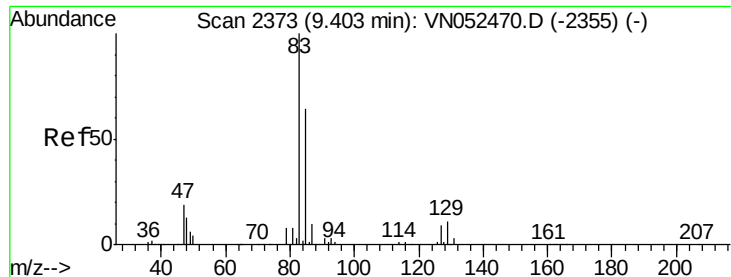
Tot Ion: 63 Resp: 253513
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6



#46
 Dibromomethane
 Concen: 19.518 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion: 93 Resp: 142164
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.1 100.7
 174 109.1 85.8 128.8





#47

Bromodichloromethane

Concen: 19.100 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

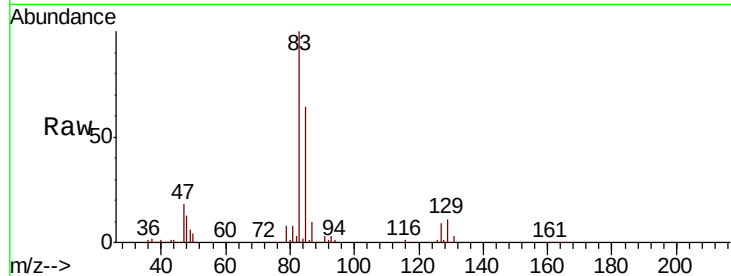
Tot Ion: 83 Resp: 302472

Ion Ratio Lower Upper

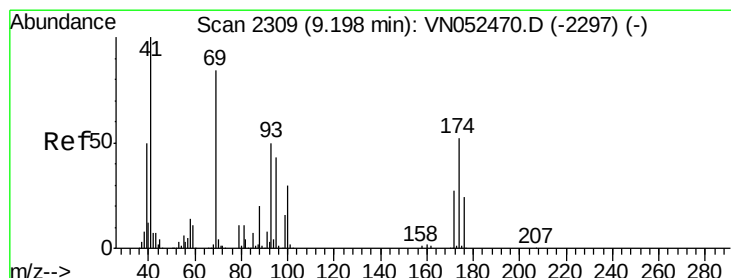
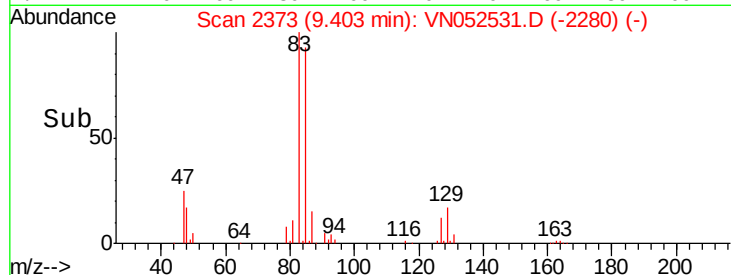
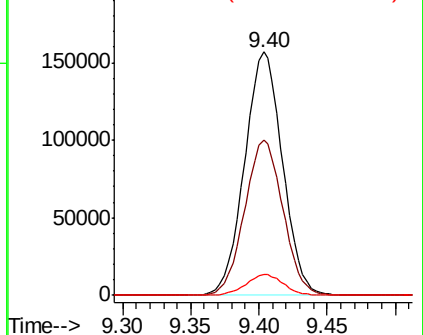
83 100

85 64.0 51.3 76.9

127 8.5 6.9 10.3



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): V



#48

Methyl methacrylate

Concen: 17.977 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

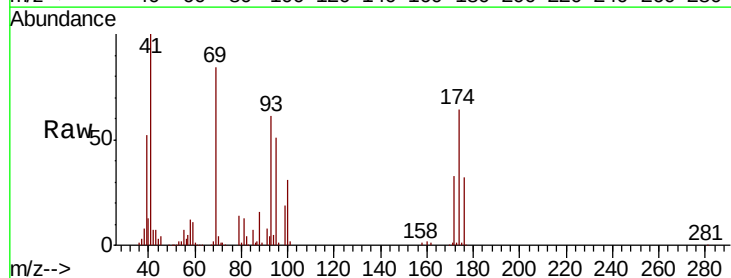
Tgt Ion: 41 Resp: 160765

Ion Ratio Lower Upper

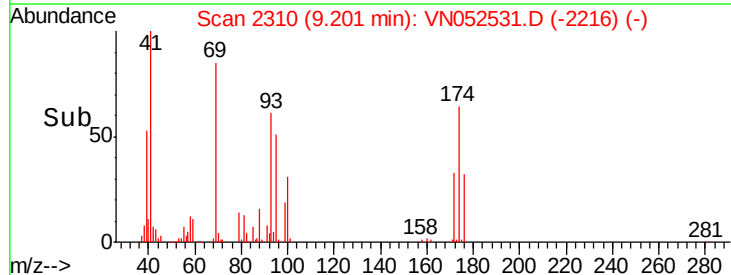
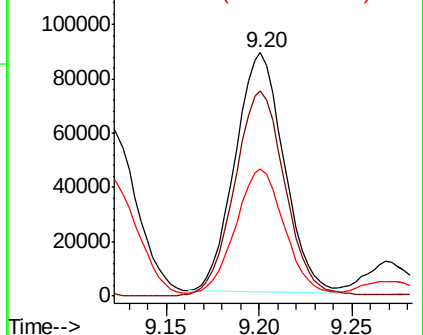
41 100

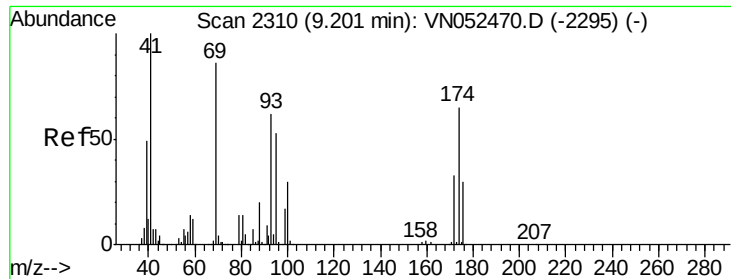
69 89.2 70.0 105.0

39 53.7 42.6 64.0



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

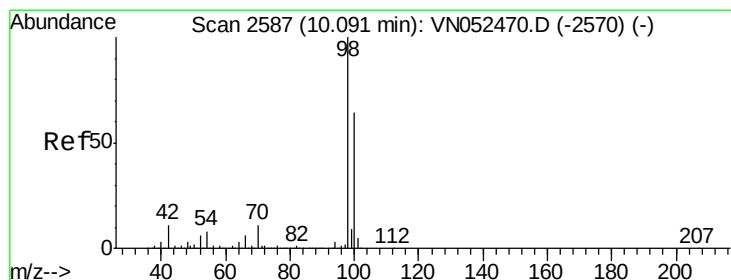
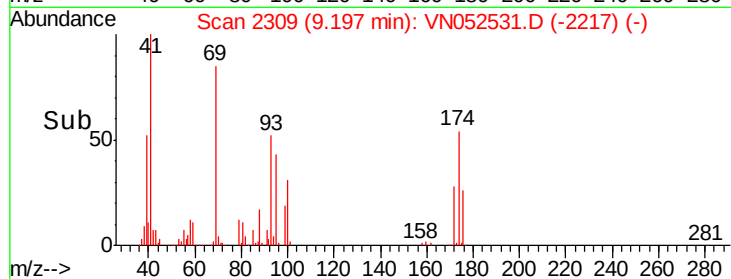
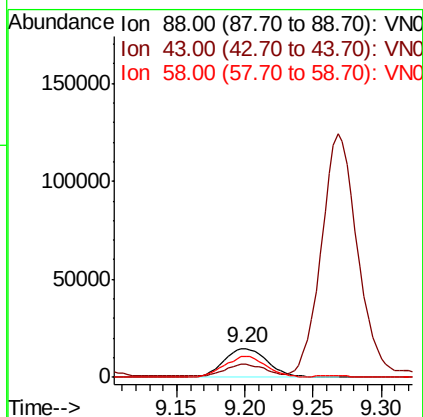
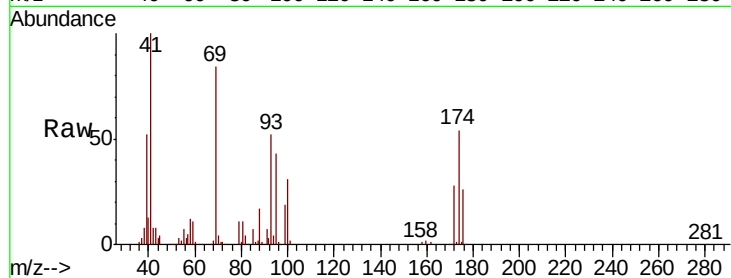




#49
1,4-Dioxane
Concen: 354.188 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

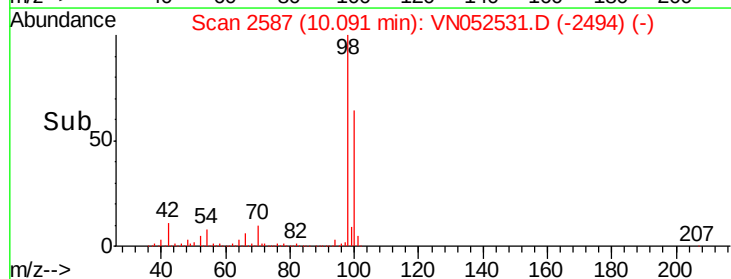
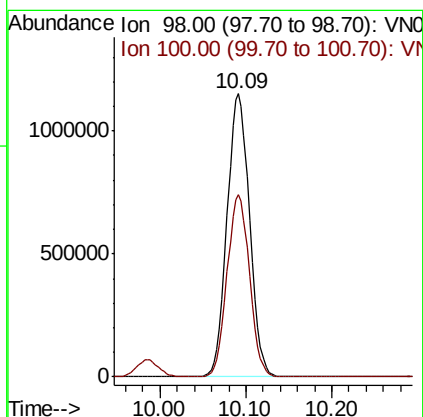
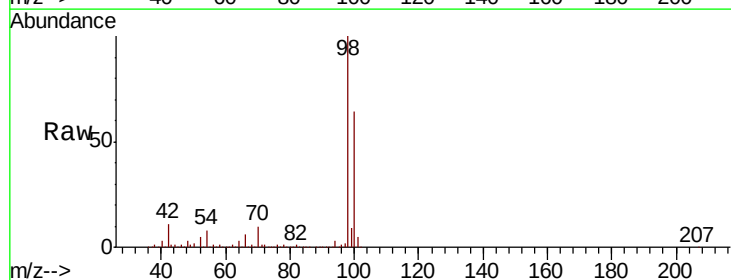
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

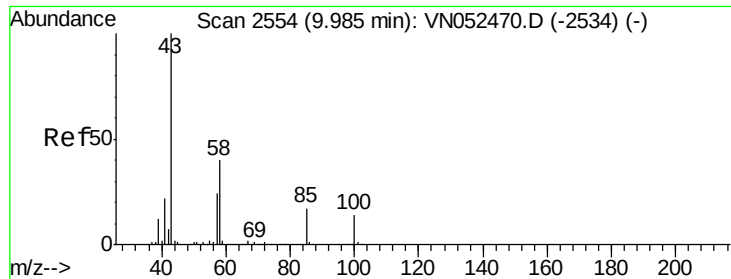
Tot Ion: 88 Resp: 32873
Ion Ratio Lower Upper
88 100
43 36.9 26.4 39.6
58 70.2 55.4 83.0



#50
Toluene-d8
Concen: 354.188 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 98 Resp: 2089798
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 87.945 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

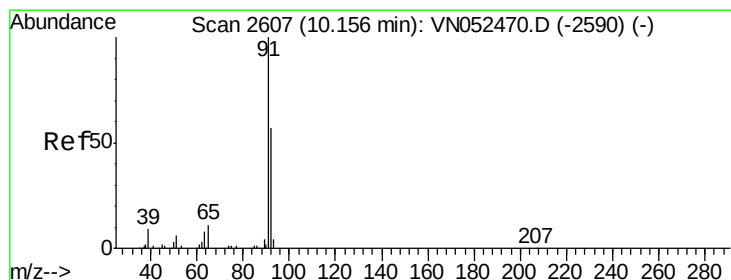
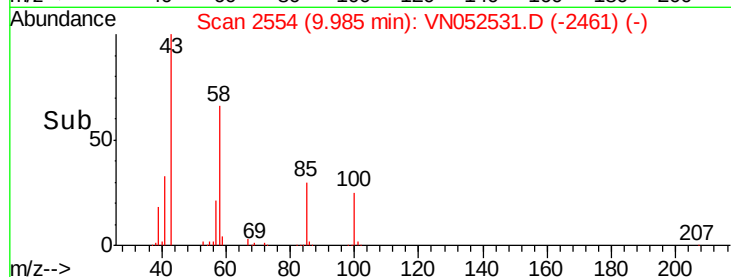
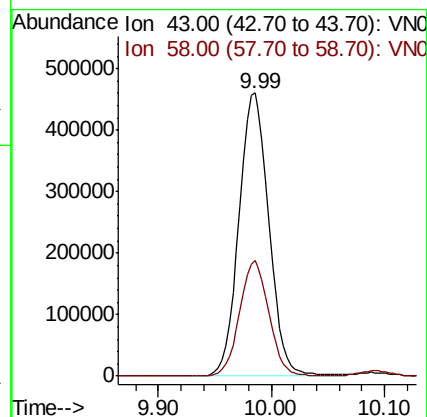
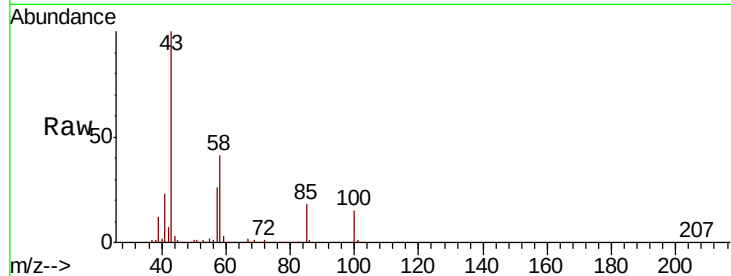
VN1128MBSD01

Tot Ion: 43 Resp: 846281

Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3



#52

Toluene

Concen: 20.398 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052531.D

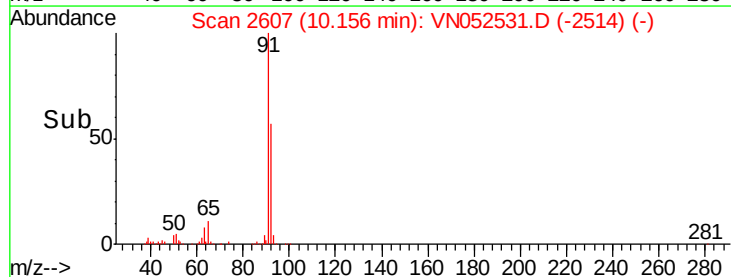
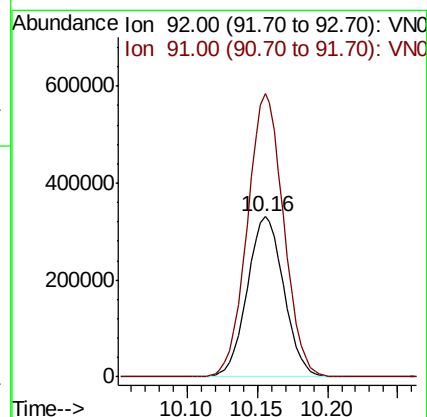
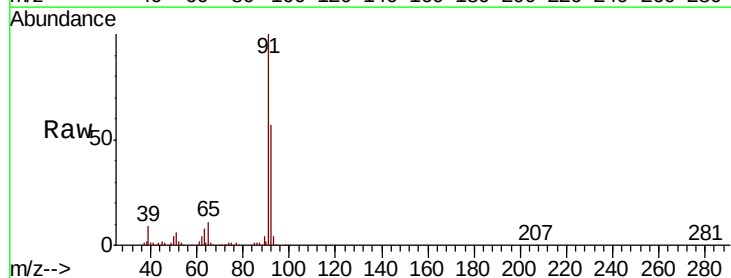
Acq: 28 Nov 2018 20:21

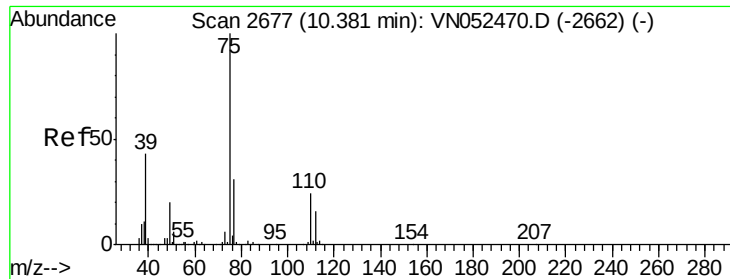
Tgt Ion: 92 Resp: 599768

Ion Ratio Lower Upper

92 100

91 176.0 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 18.736 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

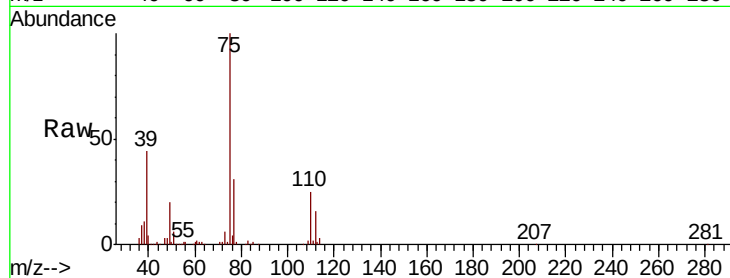
VN1128MBSD01

Tot Ion: 75 Resp: 285440

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

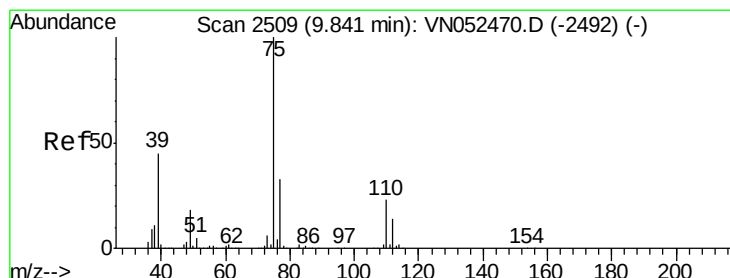
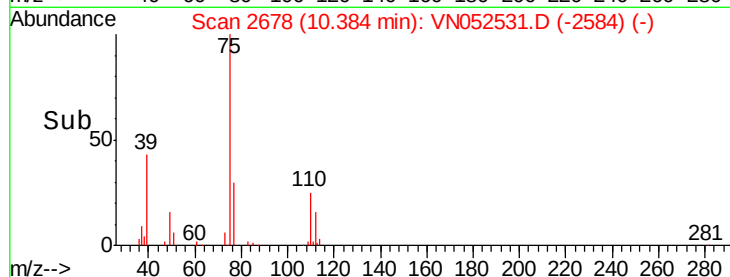
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.998 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

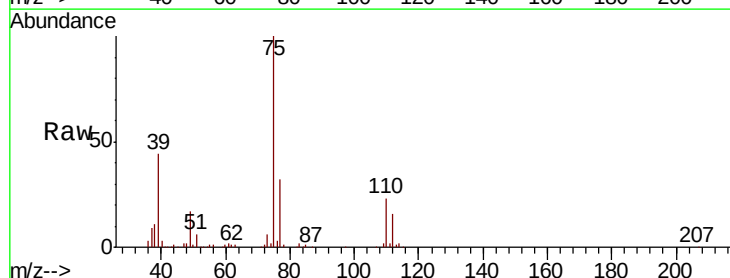
Tgt Ion: 75 Resp: 346846

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

39 44.1 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

250000

200000

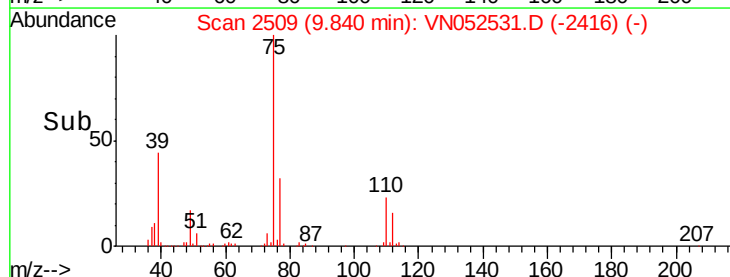
150000

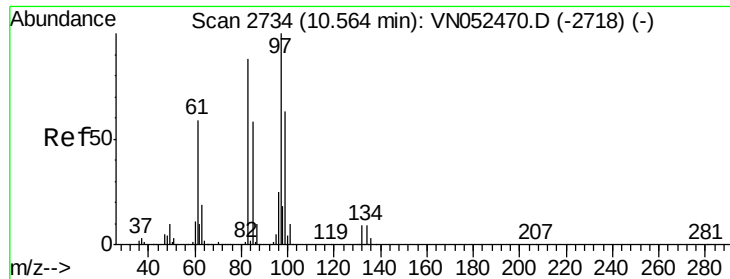
100000

50000

0

Time-->

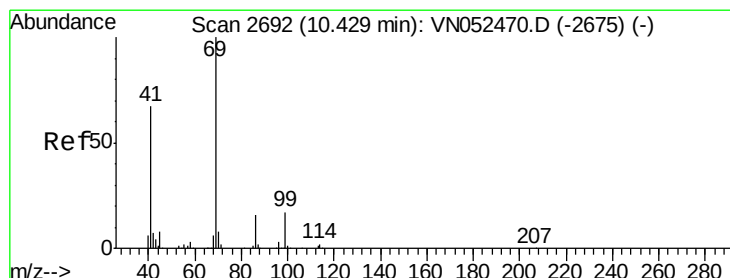
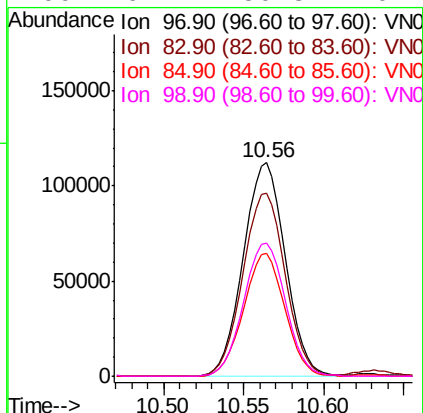
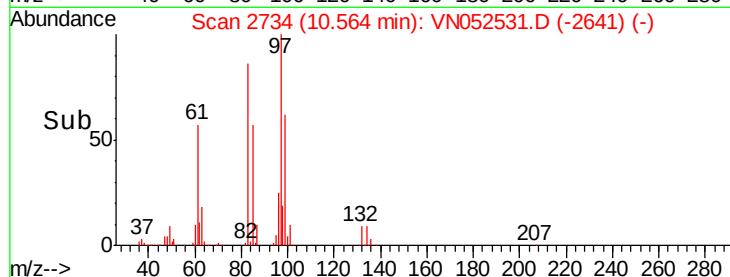
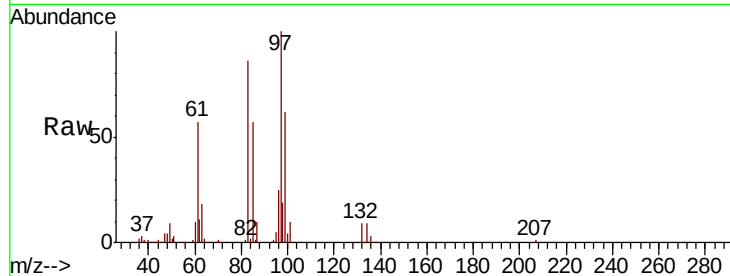




#55
 1,1,2-Trichloroethane
 Concen: 19.481 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

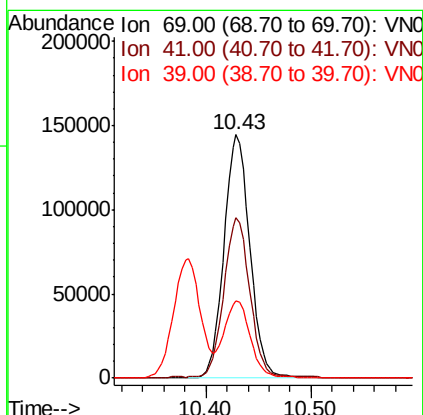
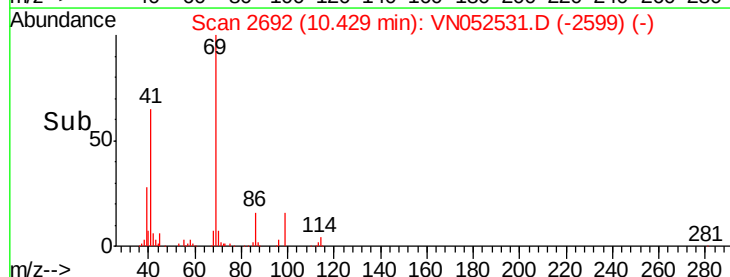
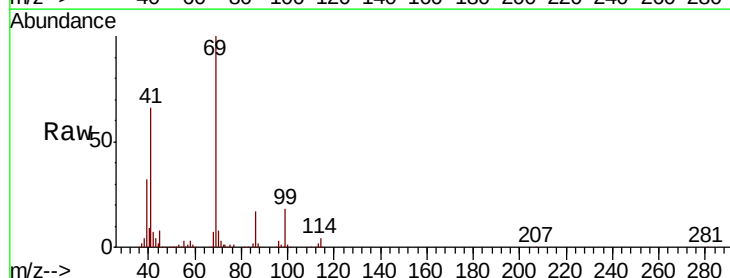
Instrument :
 MSVOA_N
 ClientSampled :
 VN1128MBSD01

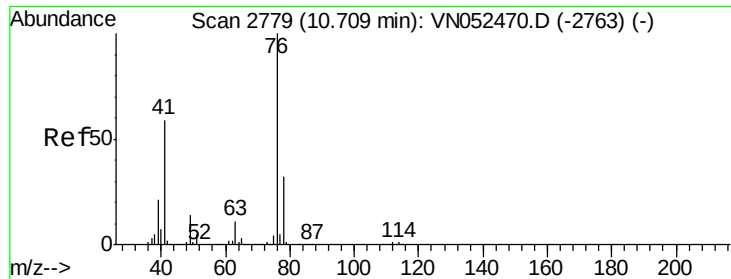
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.7	106.1
85	57.4	46.1	69.1
99	62.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 18.906 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.6	79.0
39	32.4	25.9	38.9

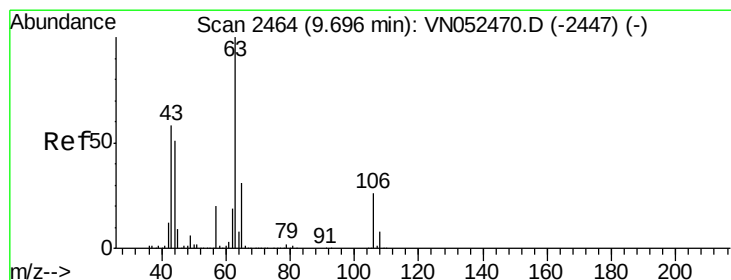
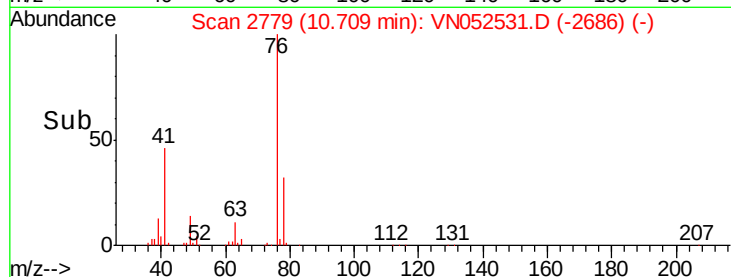
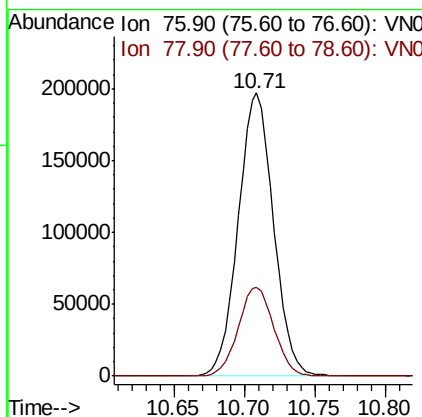
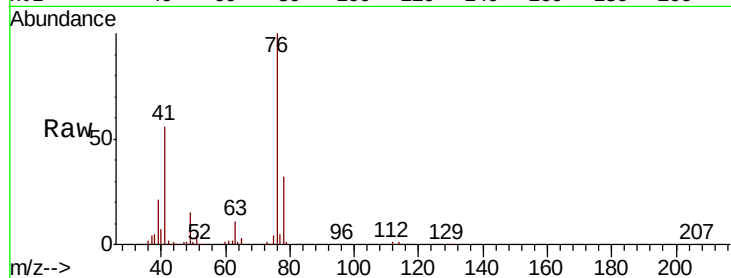




#57
 1,3-Dichloropropane
 Concen: 18.929 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

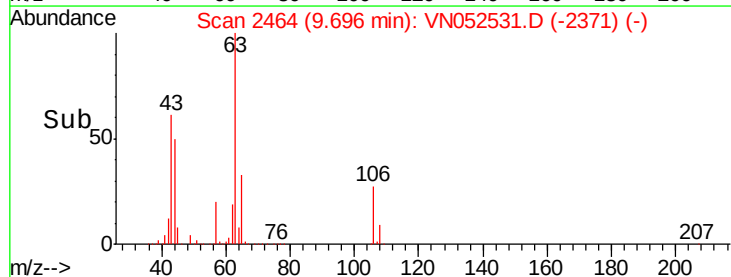
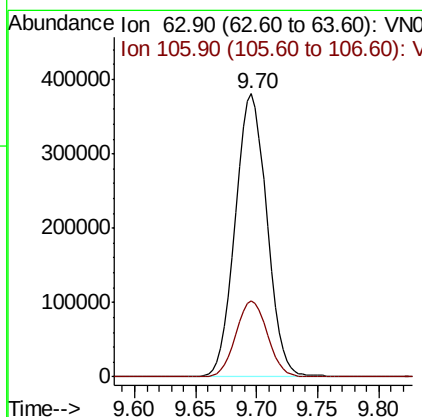
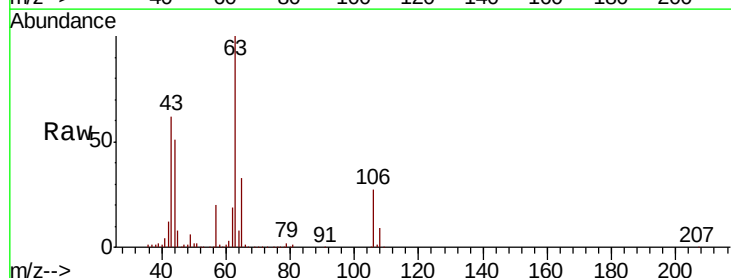
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

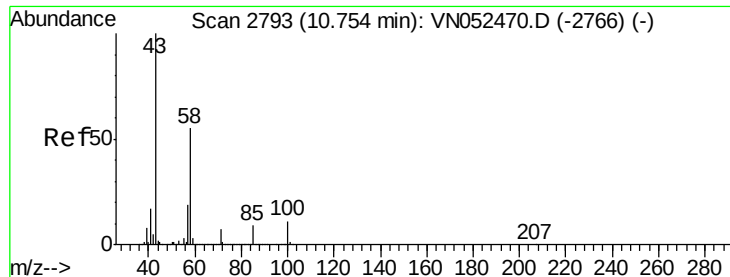
Tot Ion: 76 Resp: 345698
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.288 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion: 63 Resp: 685124
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.6 30.8

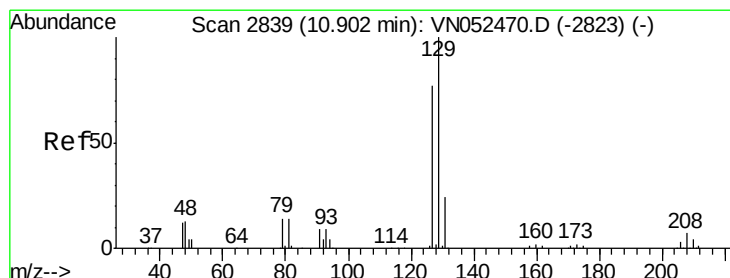
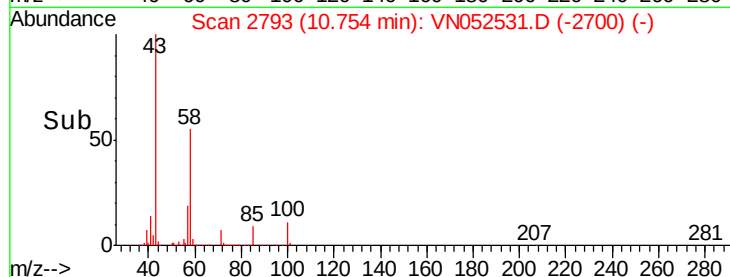
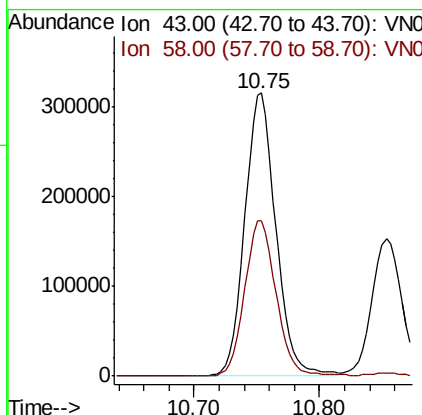
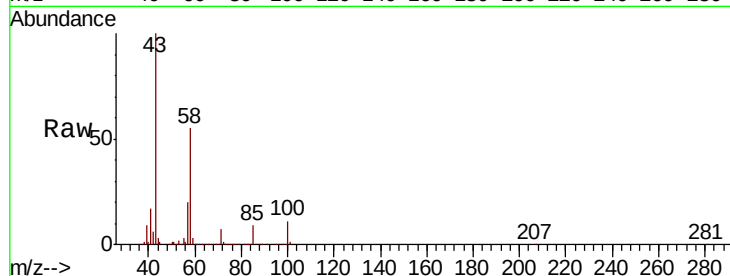




#59
2-Hexanone
Concen: 84.024 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

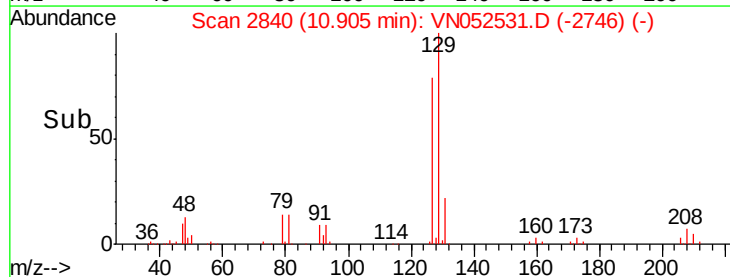
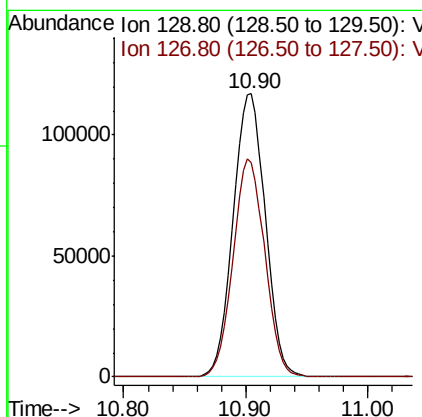
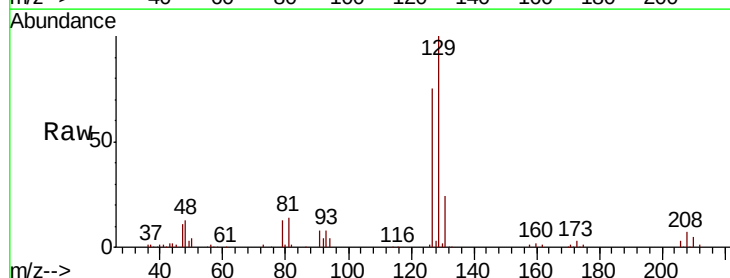
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

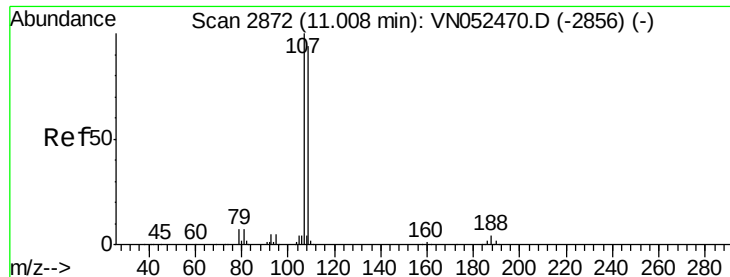
Tot Ion: 43 Resp: 542659
Ion Ratio Lower Upper
43 100
58 55.6 27.4 82.0



#60
Dibromochloromethane
Concen: 19.082 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion: 129 Resp: 214352
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.056 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

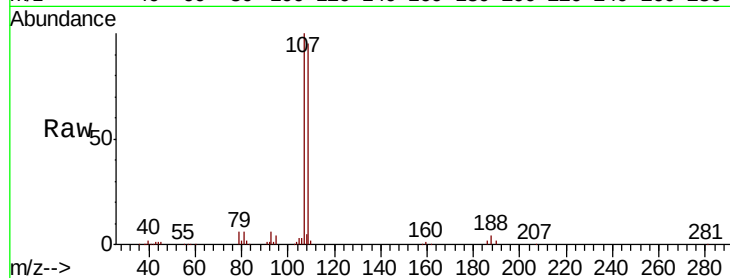
VN1128MBSD01

Tot Ion: 107 Resp: 195759

Ion Ratio Lower Upper

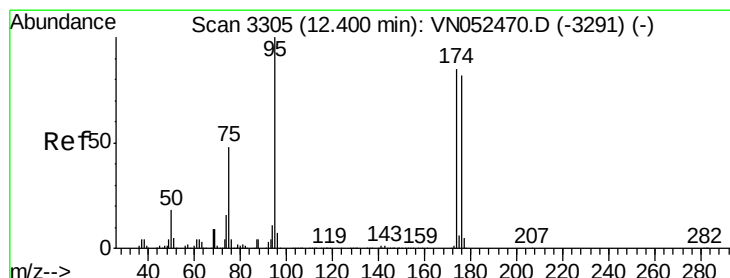
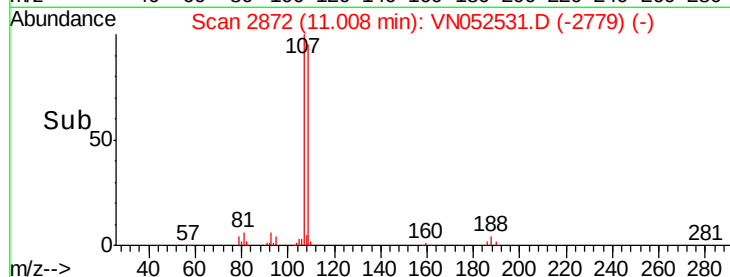
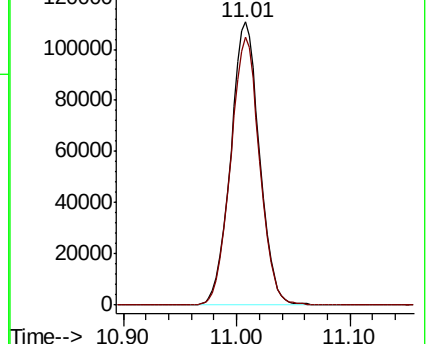
107 100

109 95.3 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.056 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

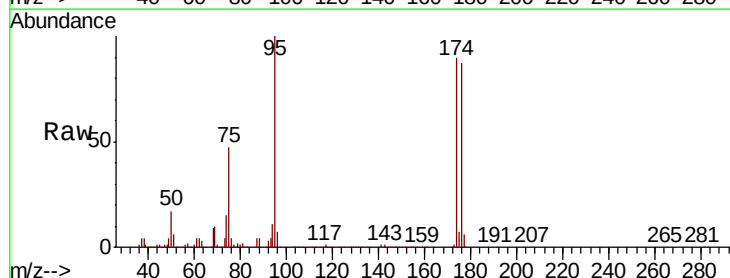
Tgt Ion: 95 Resp: 703348

Ion Ratio Lower Upper

95 100

174 88.3 0.0 173.0

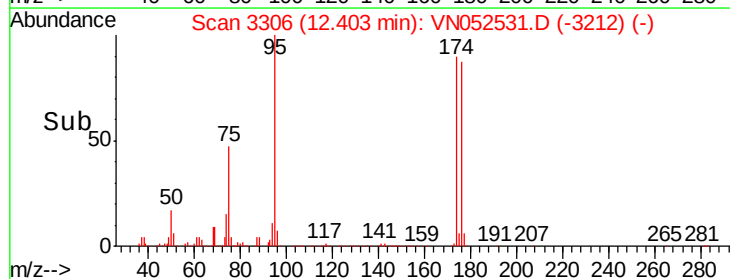
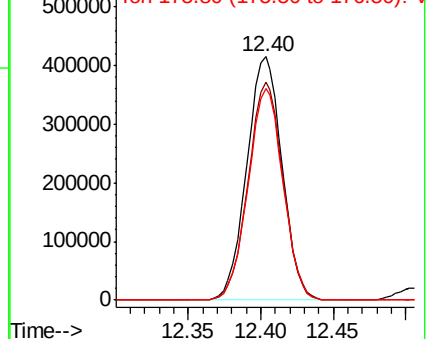
176 86.1 0.0 166.2

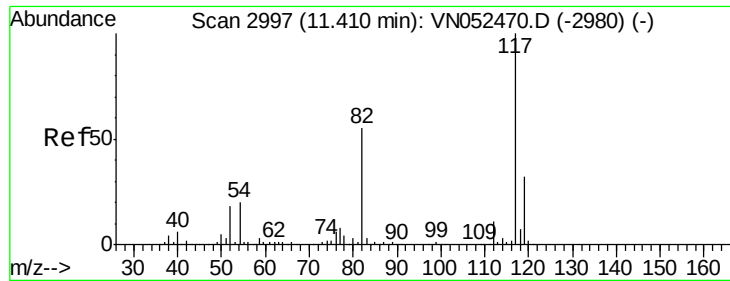


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

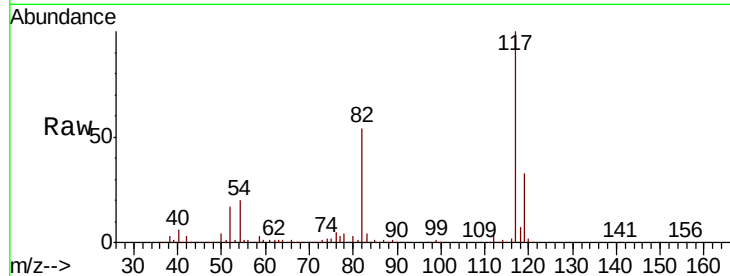




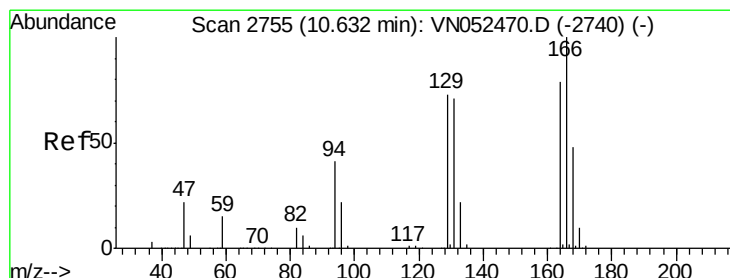
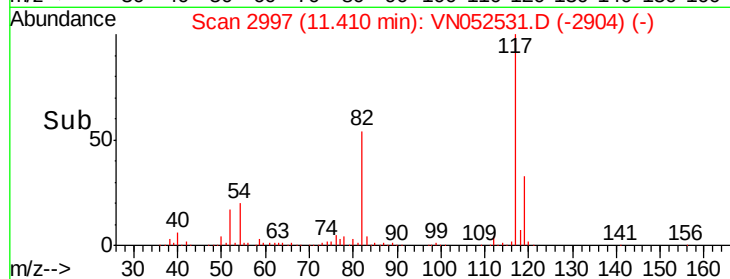
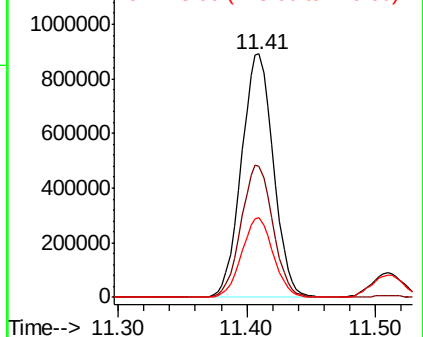
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

Tot Ion:117 Resp: 1537268
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.6 25.4 38.2

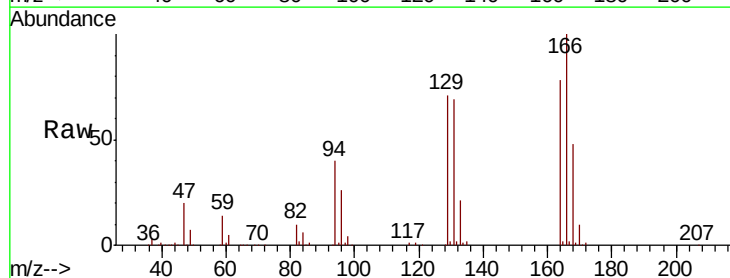


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

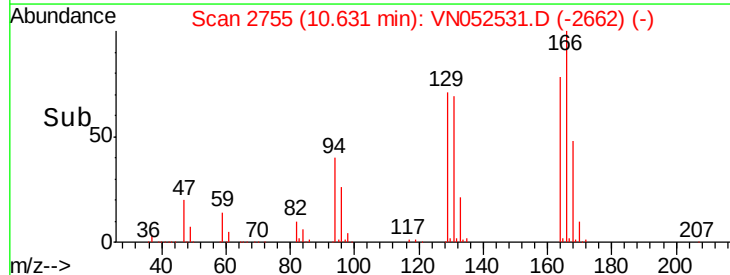
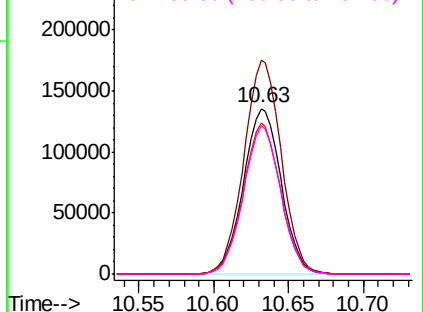


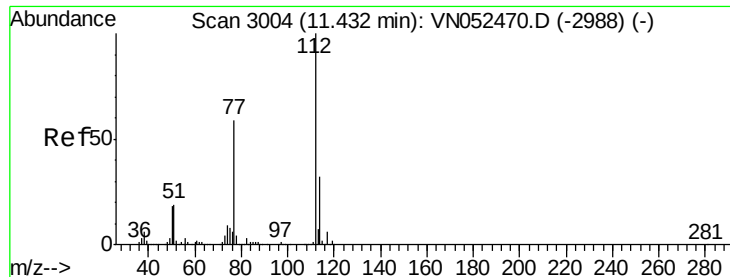
#64
Tetrachloroethene
Concen: 19.984 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion:164 Resp: 238193
Ion Ratio Lower Upper
164 100
166 128.9 101.0 151.4
129 91.2 73.8 110.6
131 89.3 71.2 106.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.193 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

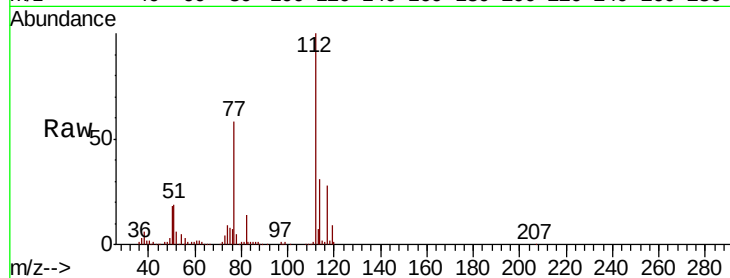
VN1128MBSD01

Tot Ion:112 Resp: 640099

Ion Ratio Lower Upper

112 100

114 31.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

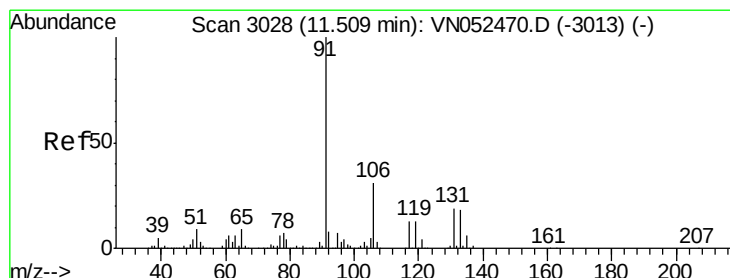
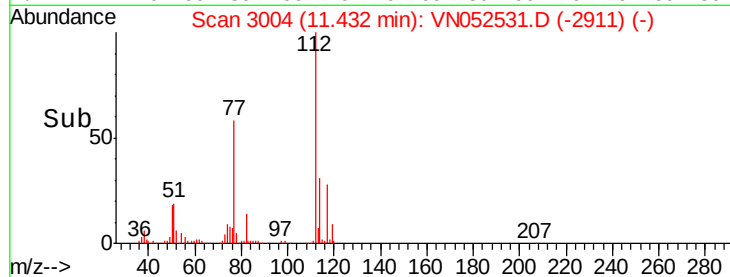
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.721 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

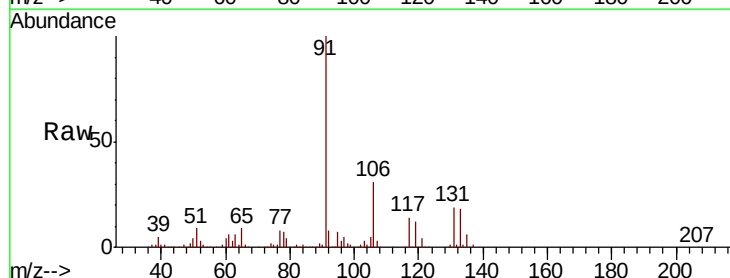
Tgt Ion:131 Resp: 217354

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

119 67.1 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

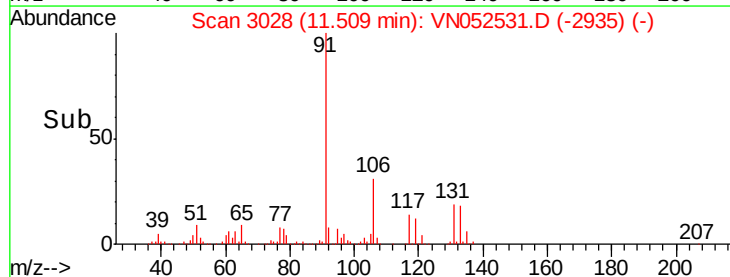
300000

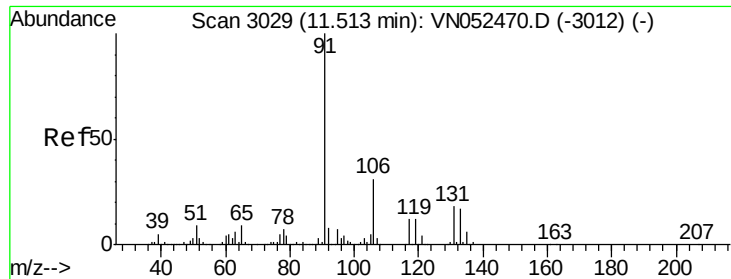
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 20.098 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

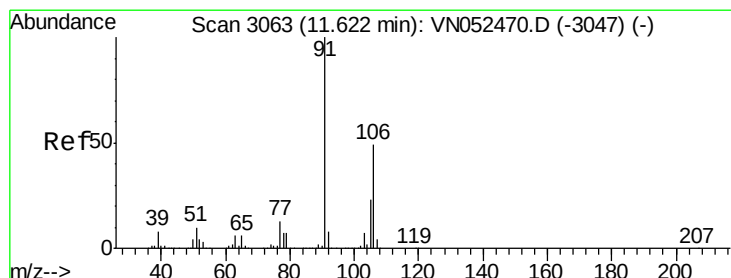
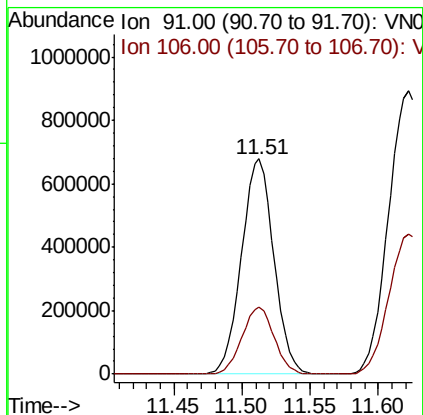
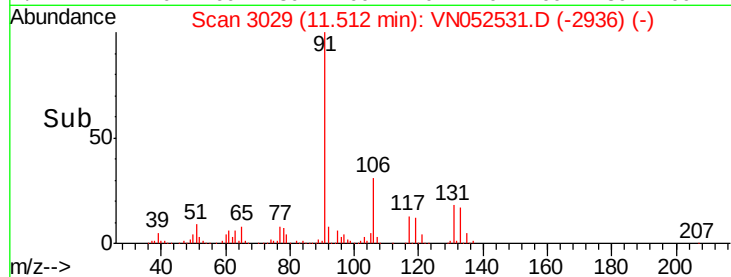
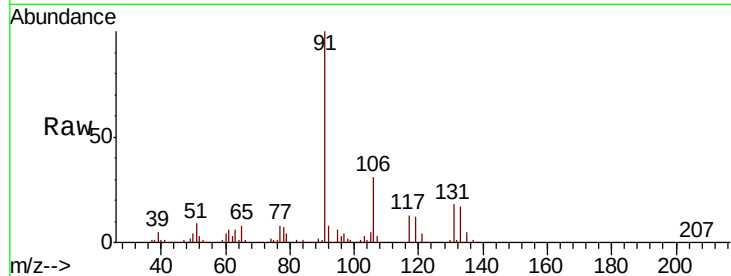
VN1128MBSD01

Tot Ion: 91 Resp: 1115618

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 41.268 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052531.D

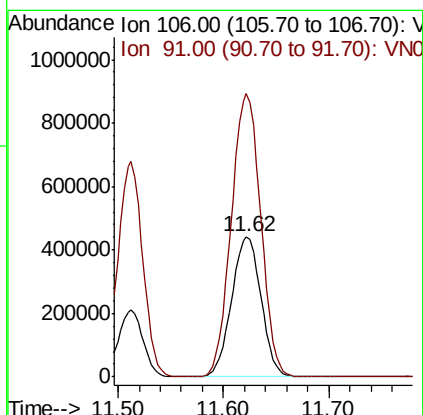
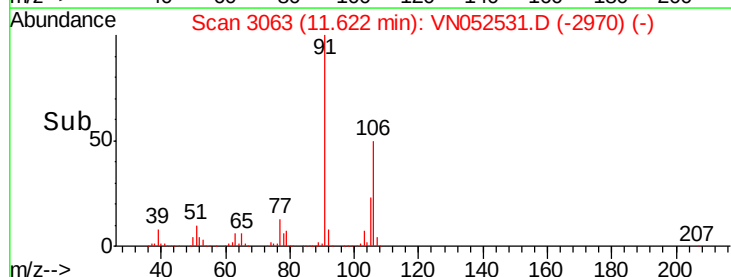
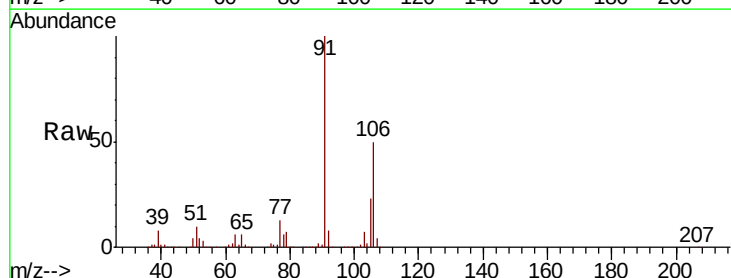
Acq: 28 Nov 2018 20:21

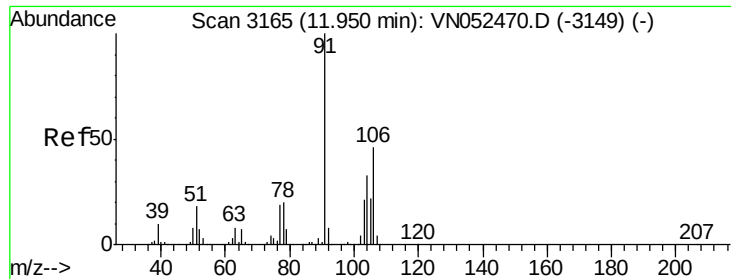
Tgt Ion: 106 Resp: 852799

Ion Ratio Lower Upper

106 100

91 202.6 163.2 244.8

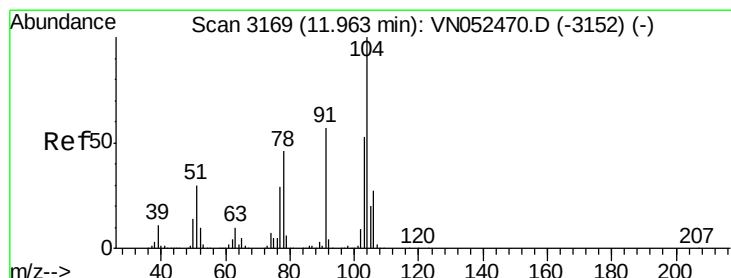
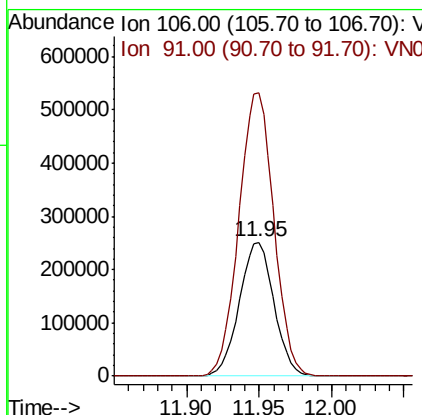
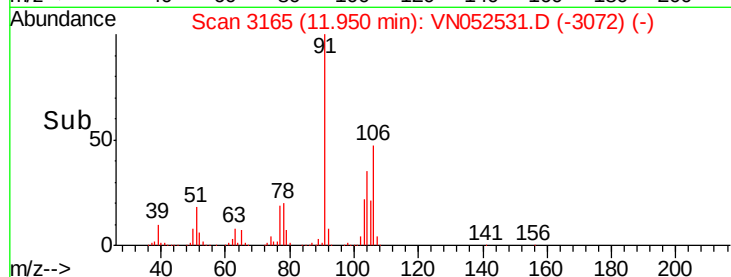
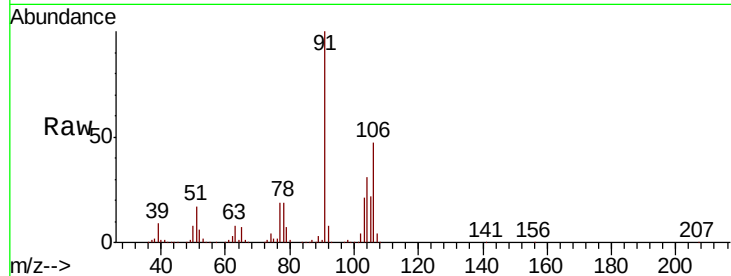




#69
o-Xylene
Concen: 20.791 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

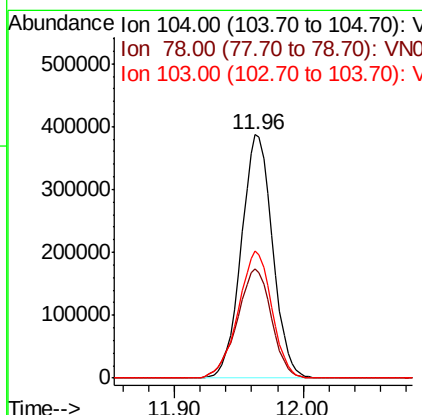
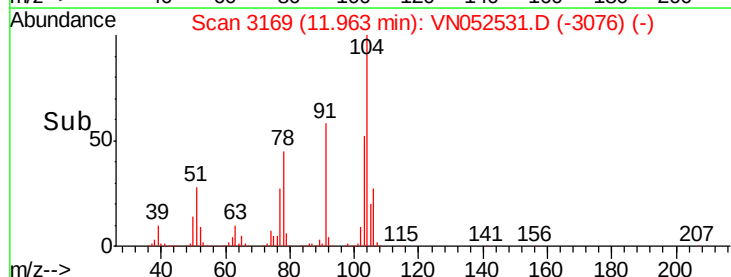
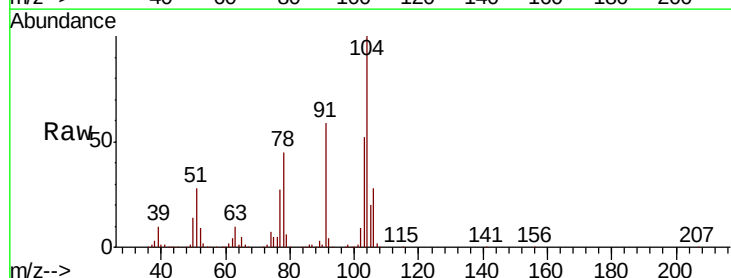
Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

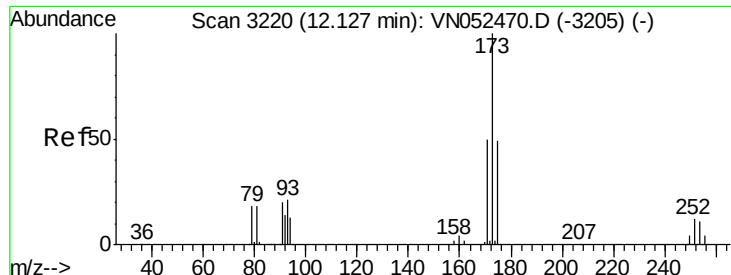
Tot Ion:106 Resp: 417209
Ion Ratio Lower Upper
106 100
91 214.0 107.7 323.1



#70
Styrene
Concen: 20.417 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion:104 Resp: 652588
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 56.0 44.9 67.3

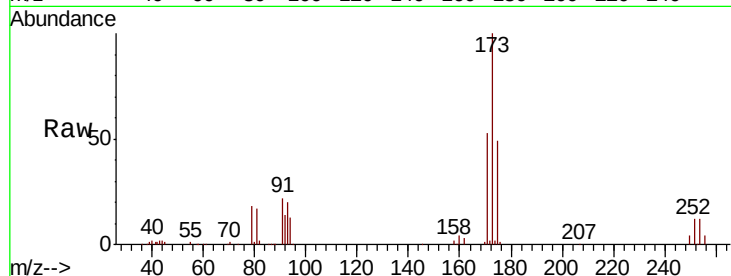




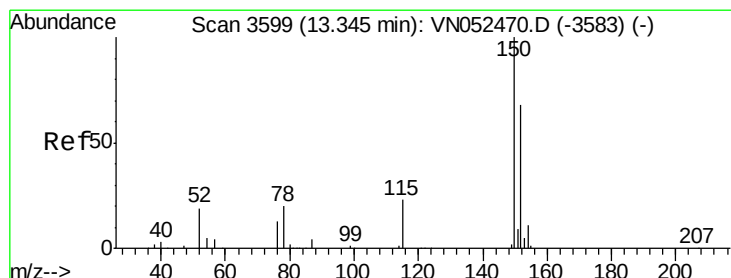
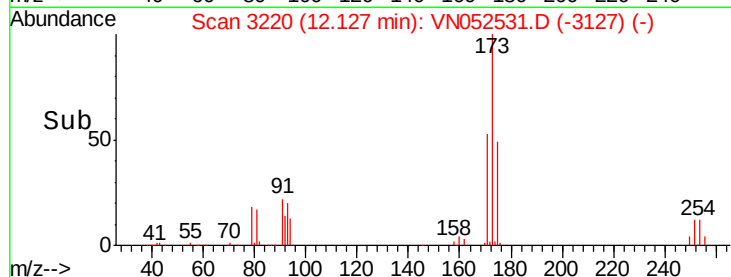
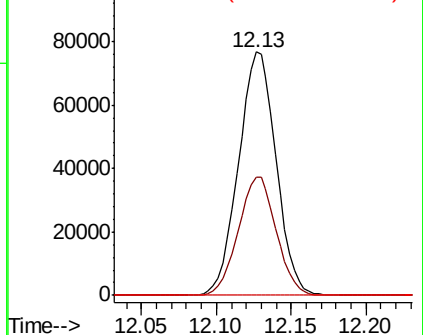
#71
Bromoform
Concen: 18.331 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBSD01

Tot Ion:173 Resp: 133777
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.2
254 0.0 0.1 0.1#

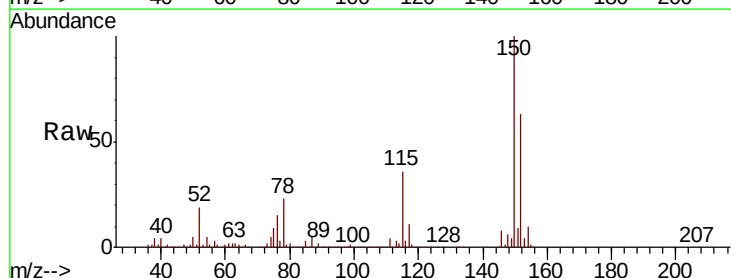


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

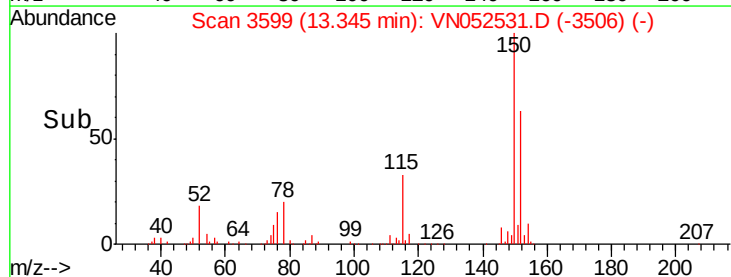
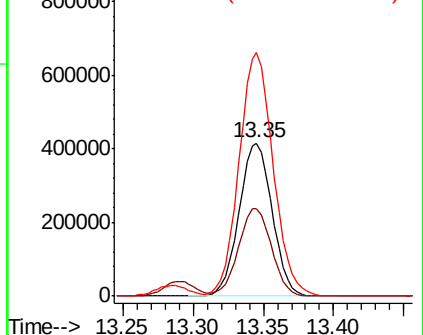


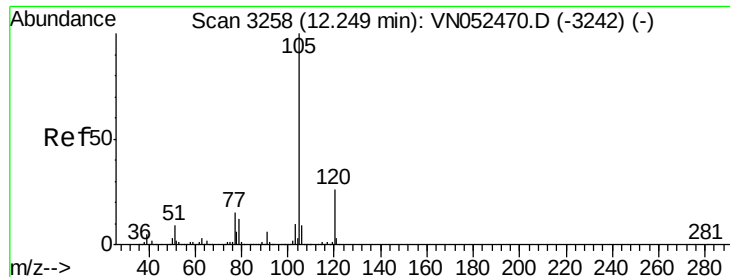
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052531.D
Acq: 28 Nov 2018 20:21

Tgt Ion:152 Resp: 683026
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.2
150 164.0 0.0 346.0



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: 20.485 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

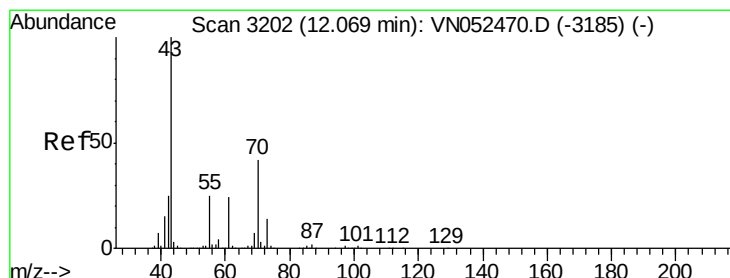
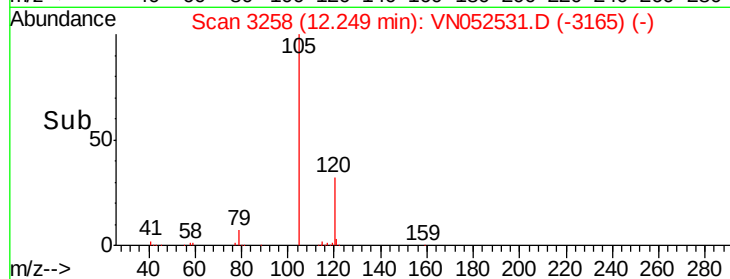
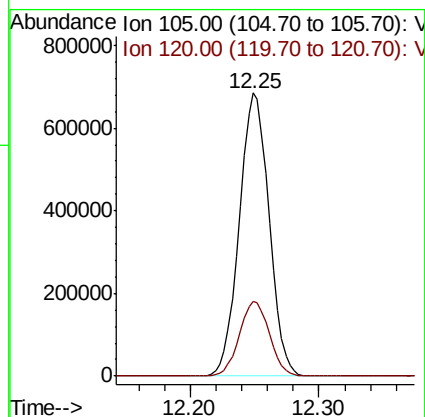
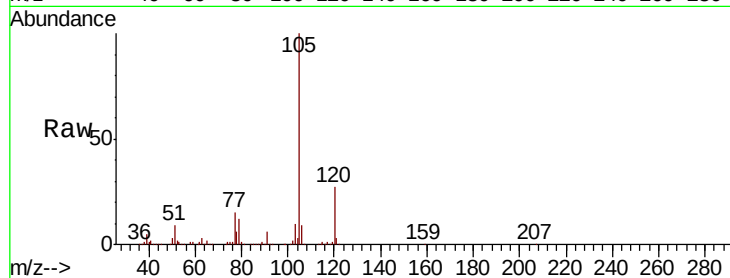
VN1128MBSD01

Tot Ion:105 Resp: 1097763

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 18.920 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Tgt Ion: 43 Resp: 256148

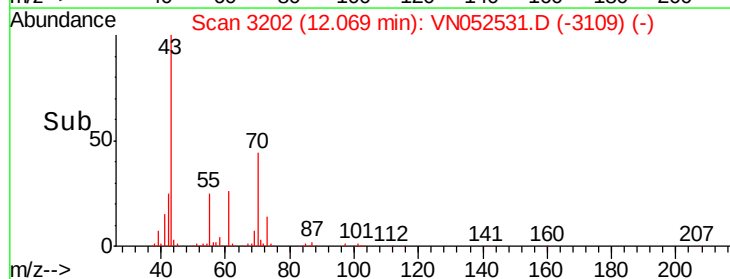
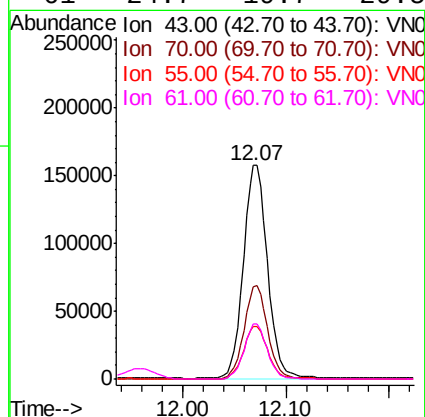
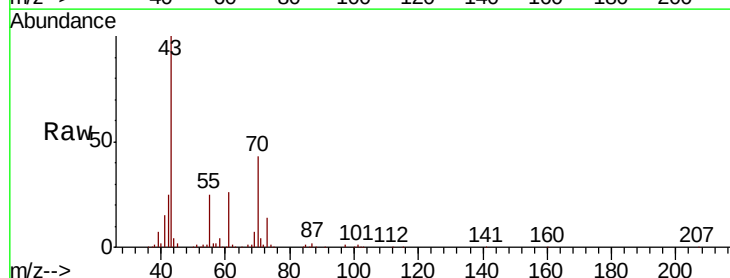
Ion Ratio Lower Upper

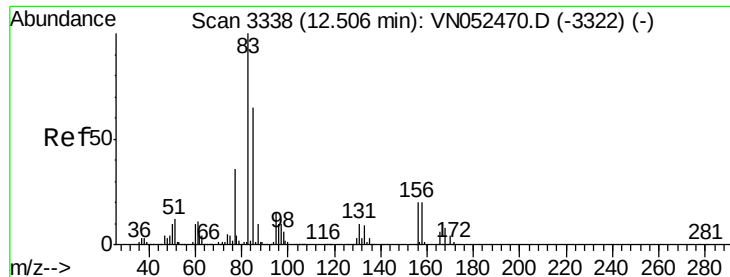
43 100

70 42.5 33.8 50.8

55 24.1 20.0 30.0

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.574 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

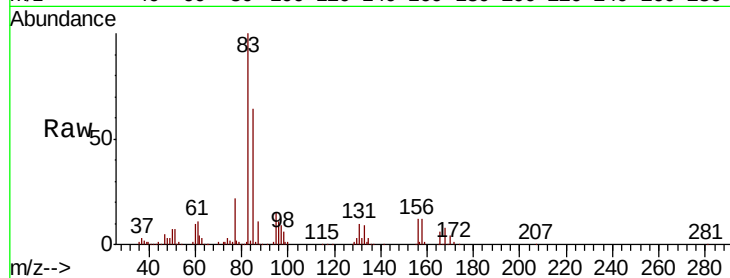
Tot Ion: 83 Resp: 226416

Ion Ratio Lower Upper

83 100

131 10.9 5.0 15.0

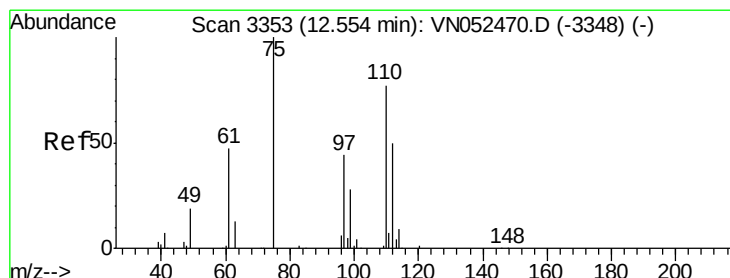
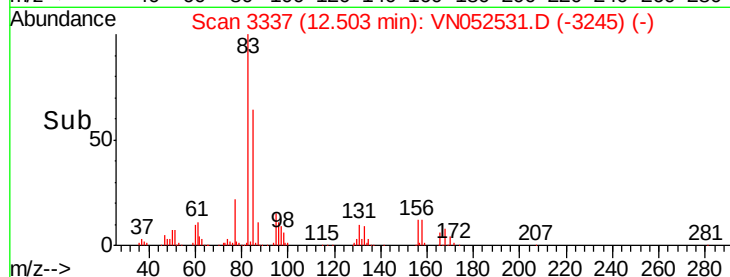
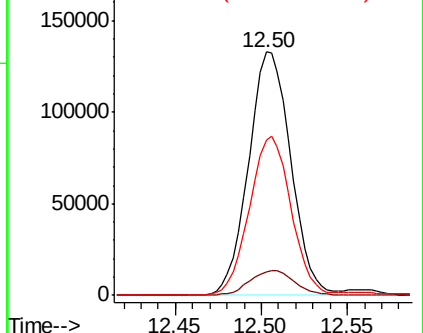
85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 26.164 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052531.D

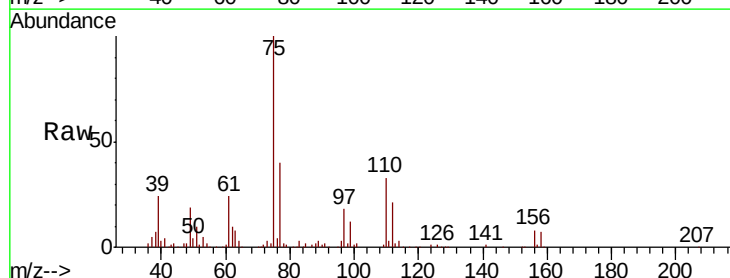
Acq: 28 Nov 2018 20:21

Tgt Ion: 75 Resp: 275573

Ion Ratio Lower Upper

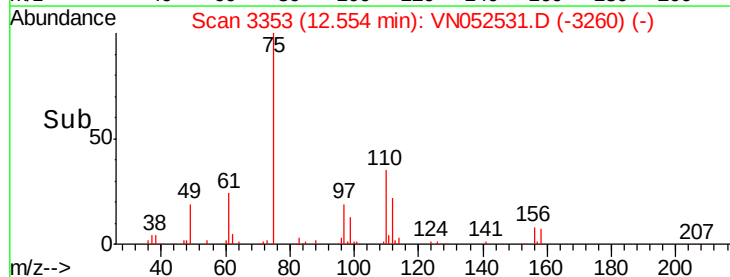
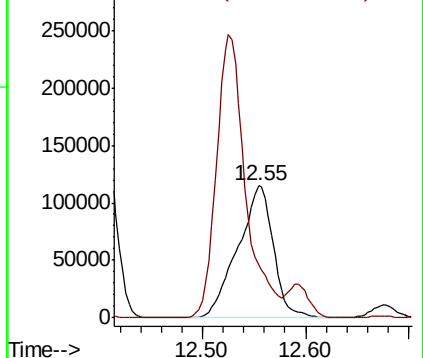
75 100

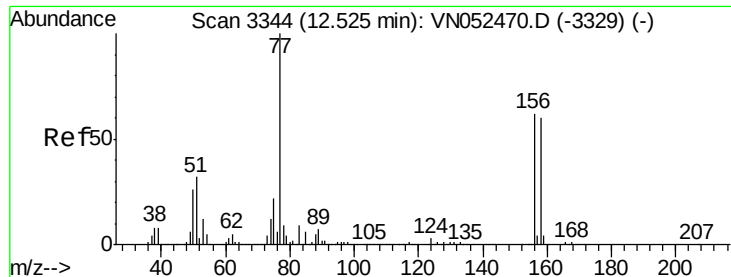
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)





#77

Bromobenzene

Concen: 20.622 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

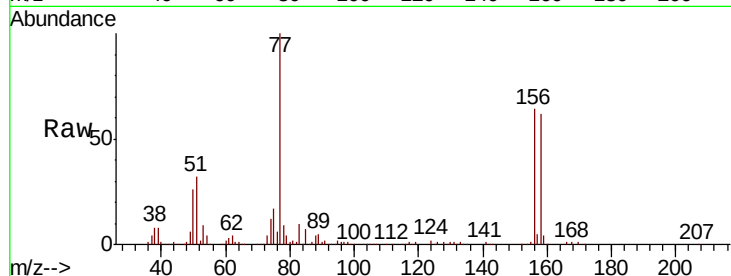
Tot Ion:156 Resp: 273149

Ion Ratio Lower Upper

156 100

77 177.1 93.5 280.4

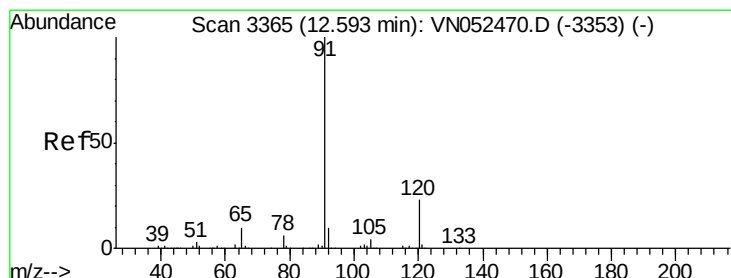
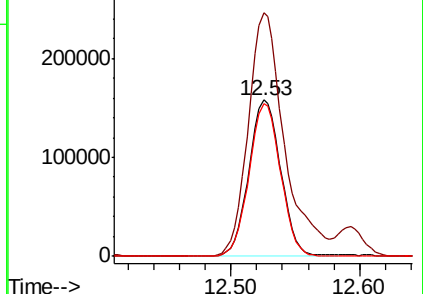
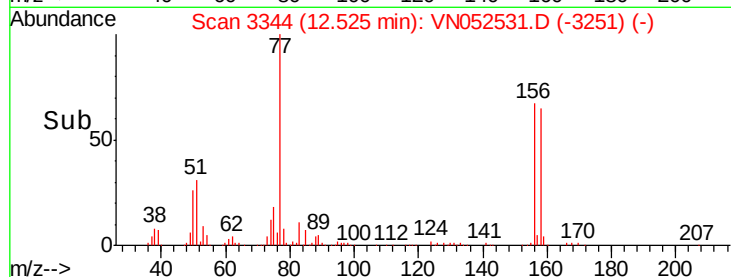
158 96.2 48.3 144.9



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: 20.281 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052531.D

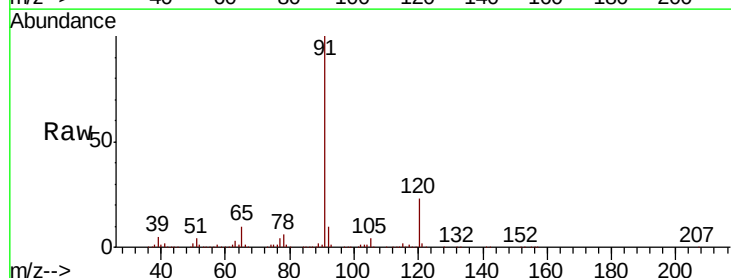
Acq: 28 Nov 2018 20:21

Tgt Ion: 91 Resp: 1234654

Ion Ratio Lower Upper

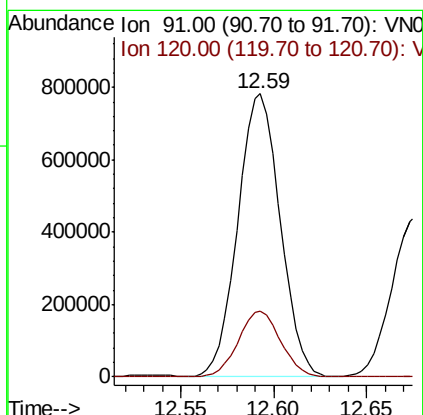
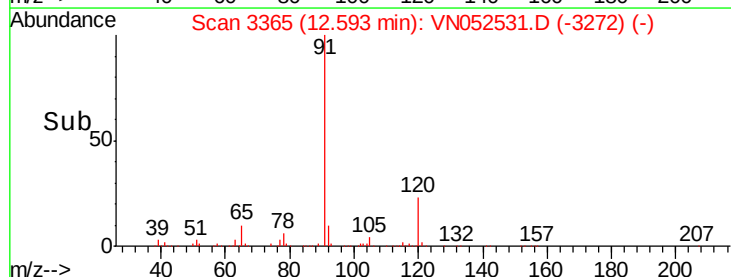
91 100

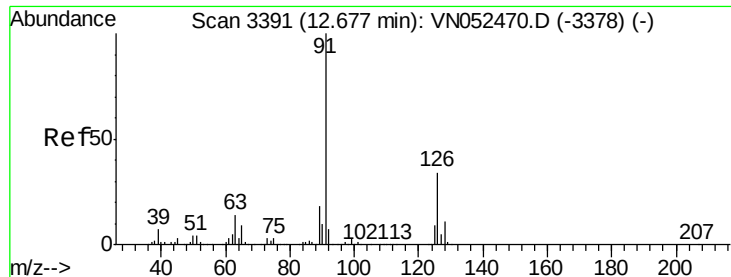
120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.075 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

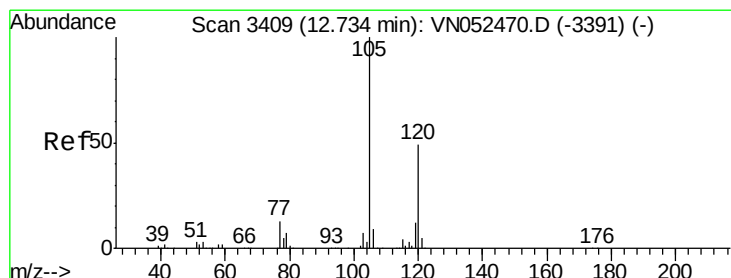
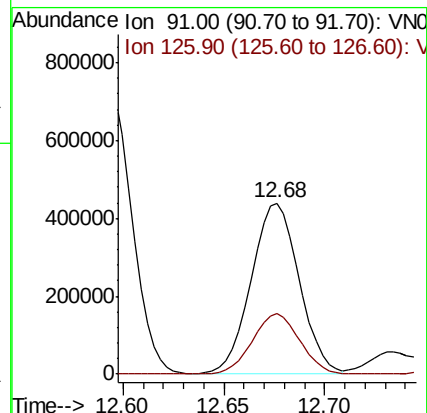
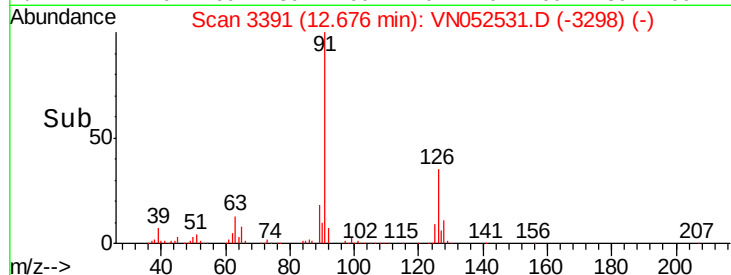
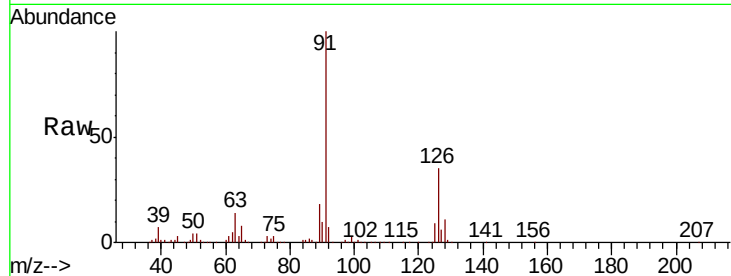
VN1128MBSD01

Tot Ion: 91 Resp: 727773

Ion Ratio Lower Upper

91 100

126 35.2 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.870 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052531.D

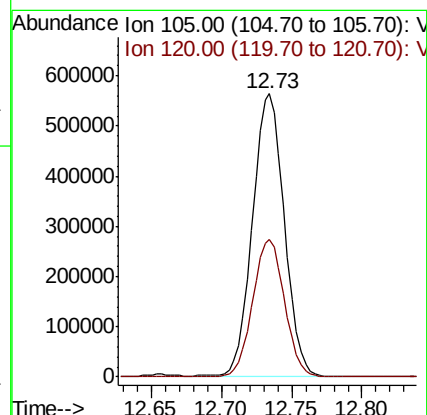
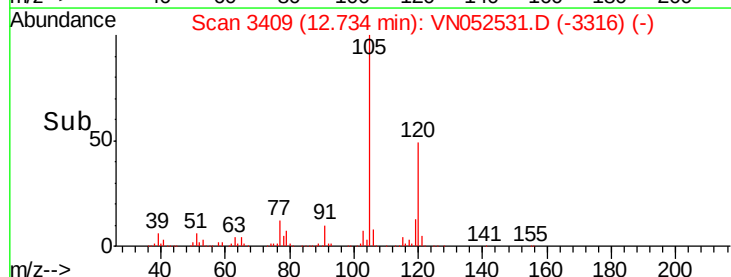
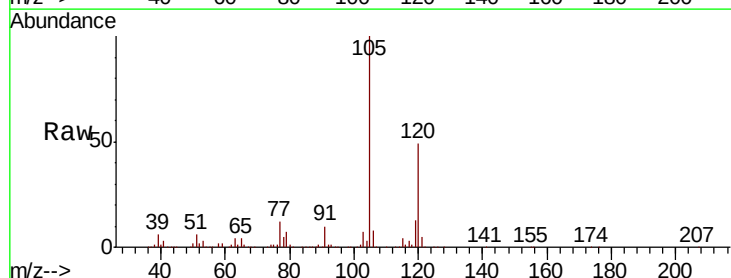
Acq: 28 Nov 2018 20:21

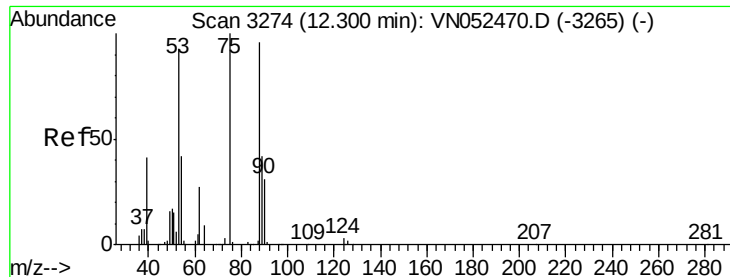
Tgt Ion: 105 Resp: 891932

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.622 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

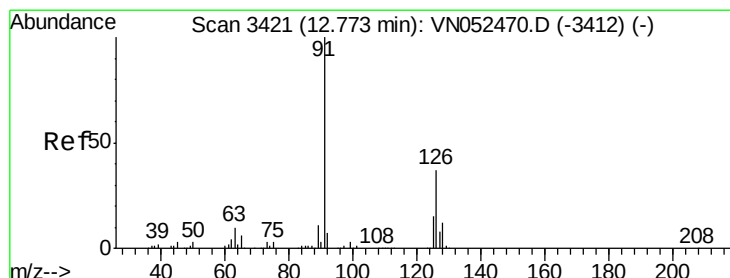
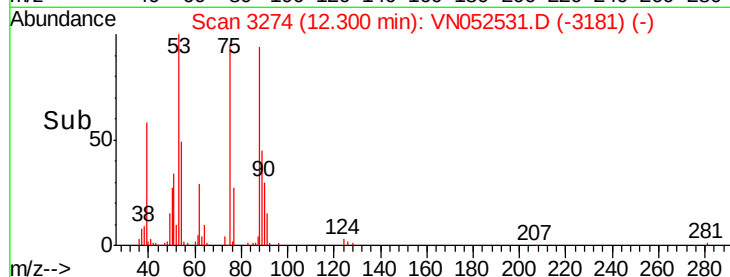
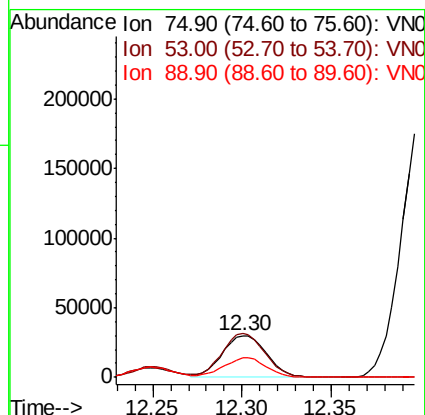
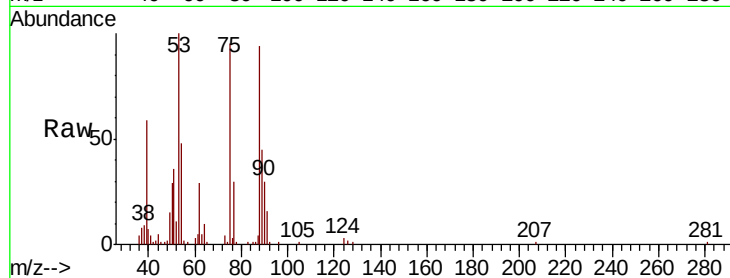
Tot Ion: 75 Resp: 52426

Ion Ratio Lower Upper

75 100

53 99.5 77.4 116.0

89 44.6 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.095 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052531.D

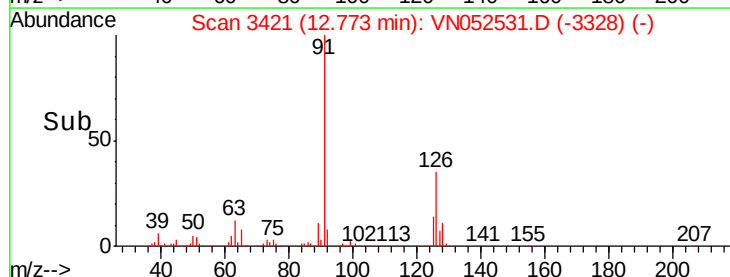
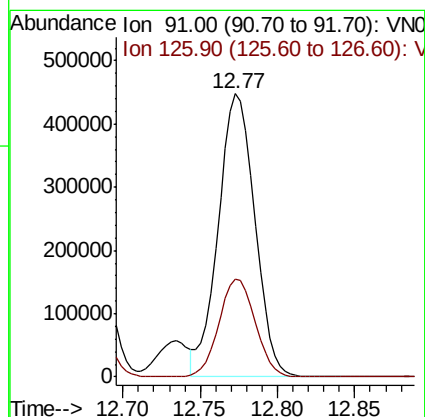
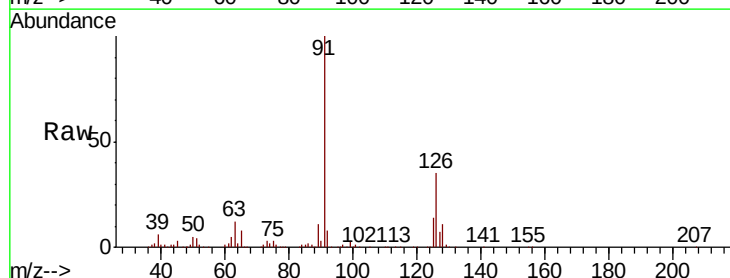
Acq: 28 Nov 2018 20:21

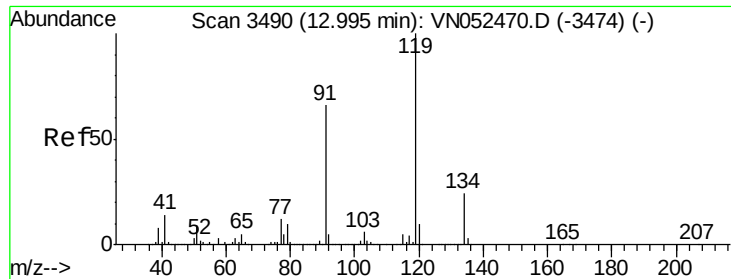
Tgt Ion: 91 Resp: 734198

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.6

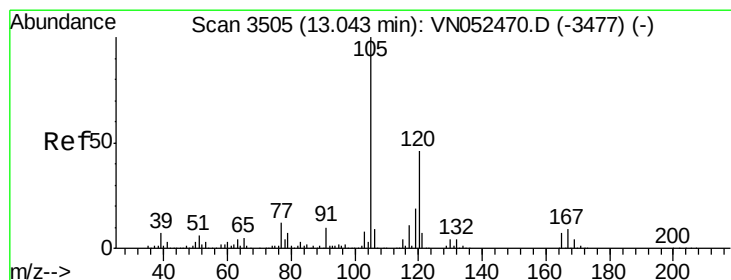
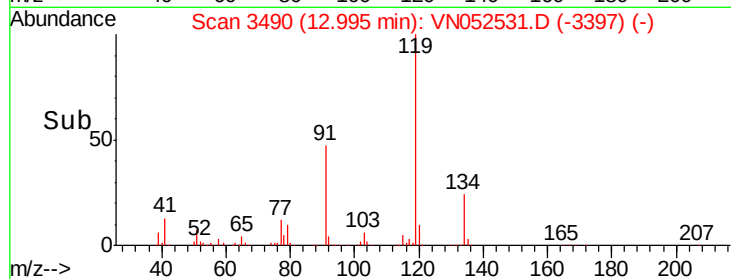
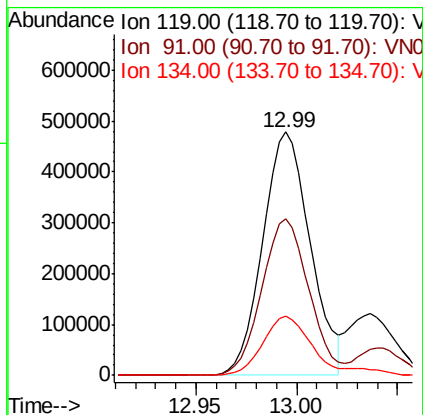
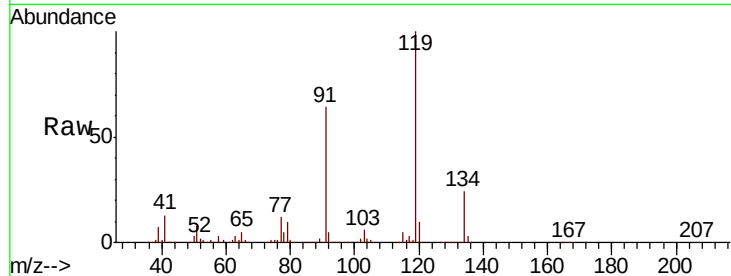




#83
 tert-Butylbenzene
 Concen: 20.609 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

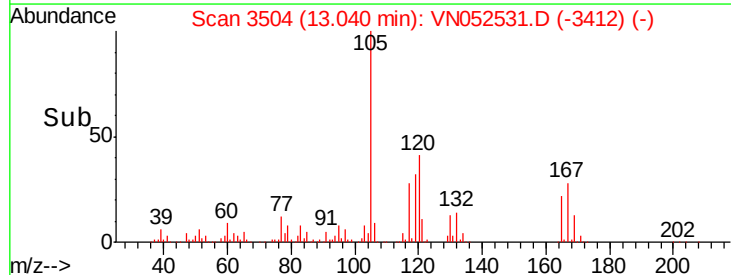
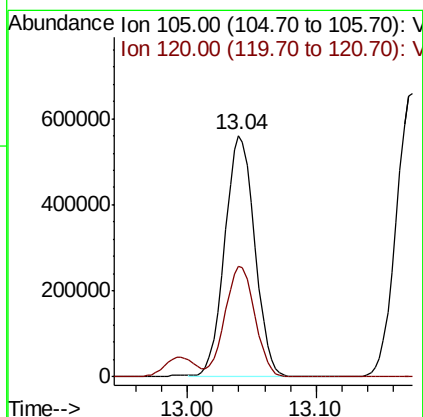
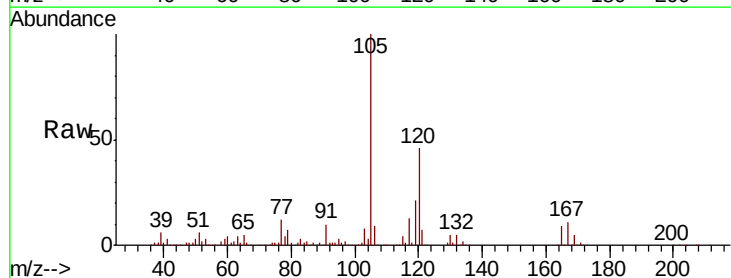
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

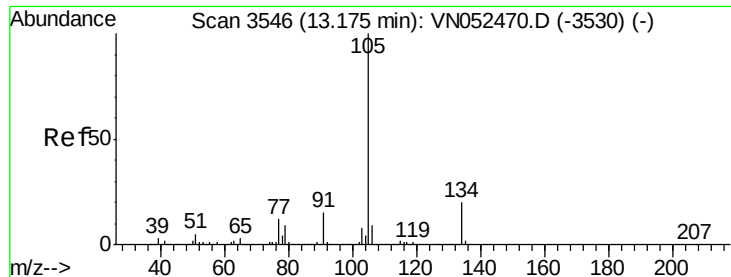
Tot Ion:119 Resp: 785234
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.3 96.9
 134 26.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.015 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion:105 Resp: 900084
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4

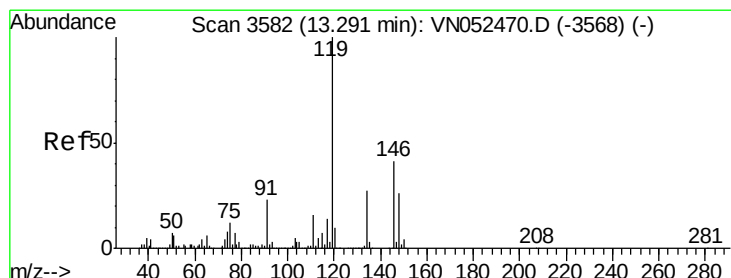
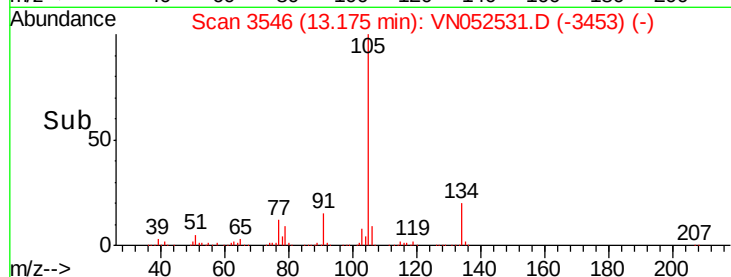
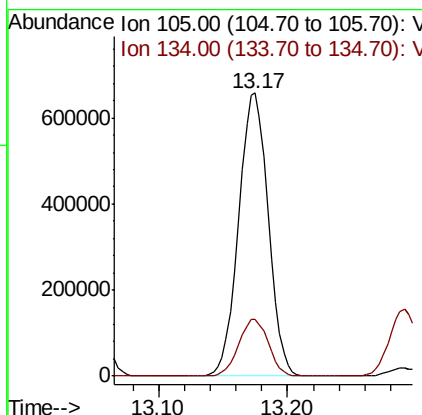
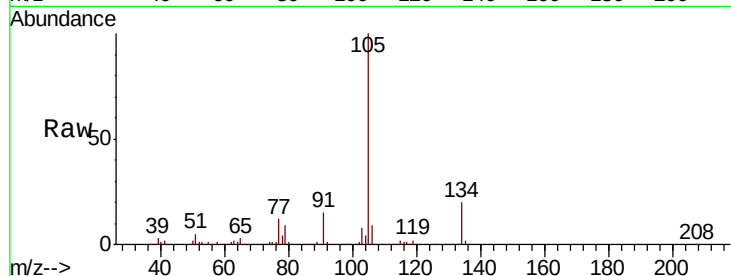




#85
 sec-Butylbenzene
 Concen: 20.201 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

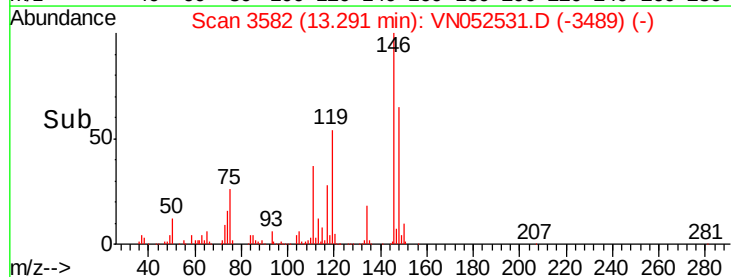
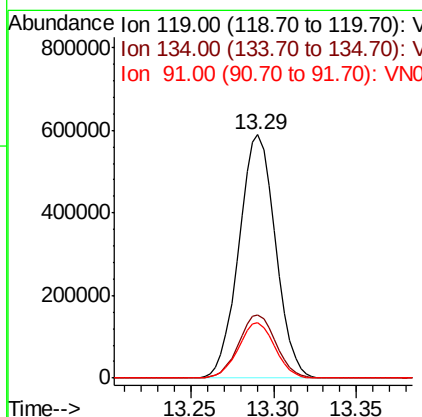
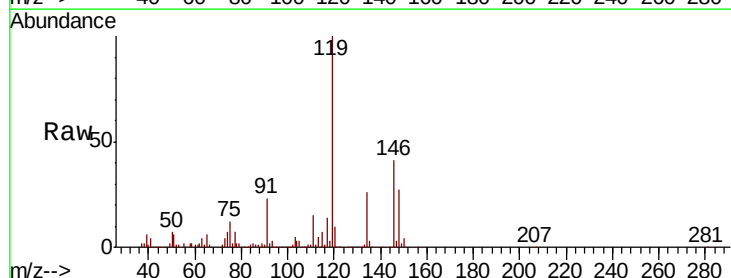
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

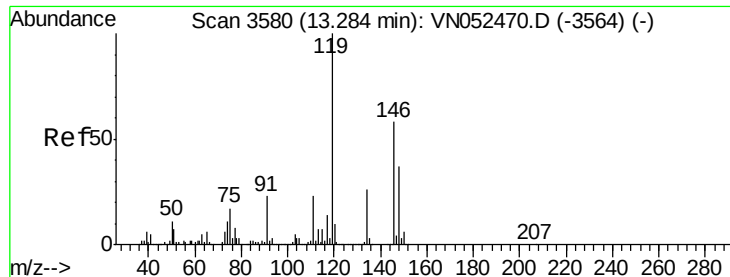
Tot Ion:105 Resp: 1048338
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 20.366 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion:119 Resp: 900190
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 22.7 11.4 34.2

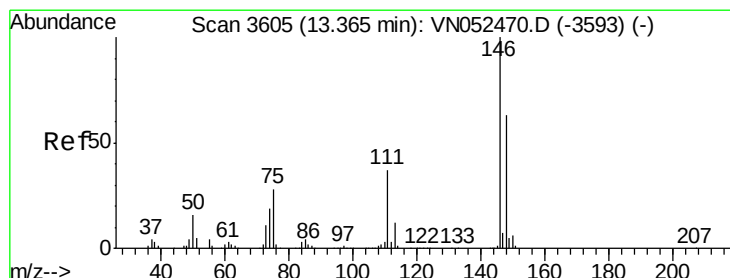
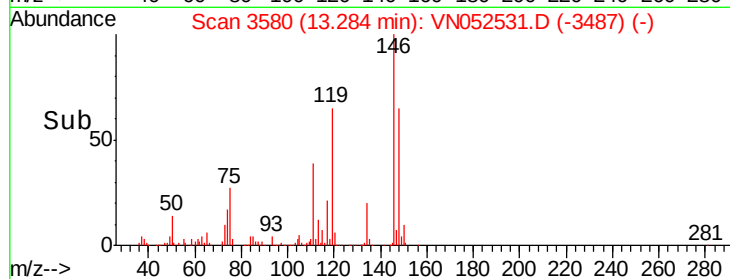
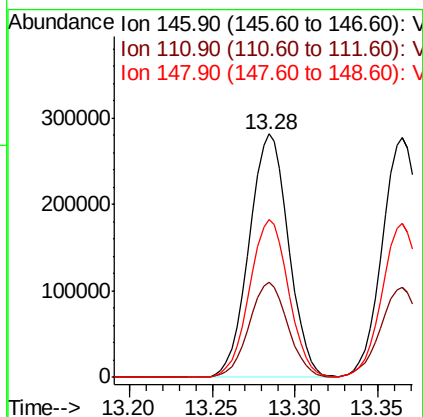
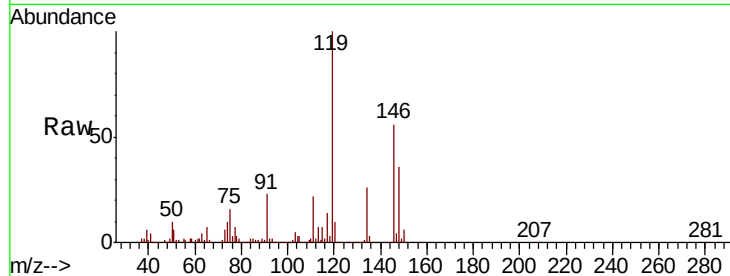




#87
 1,3-Dichlorobenzene
 Concen: 20.120 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

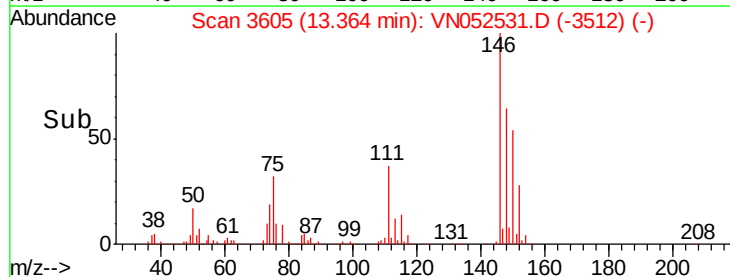
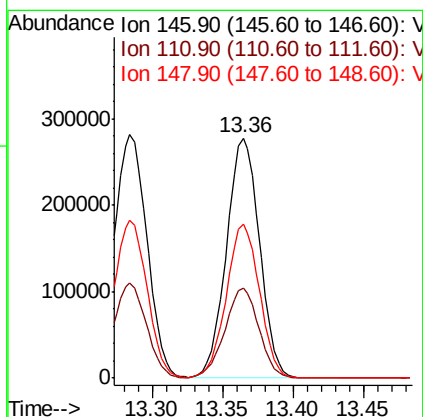
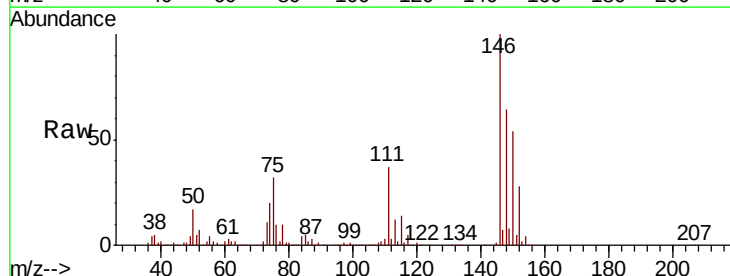
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

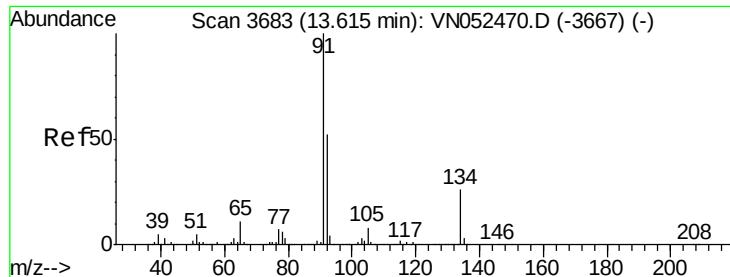
Tot Ion:146 Resp: 466151
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.4
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.912 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion:146 Resp: 454417
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.6 56.0
 148 64.7 31.9 95.9





#89

n-Butylbenzene

Concen: 20.053 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

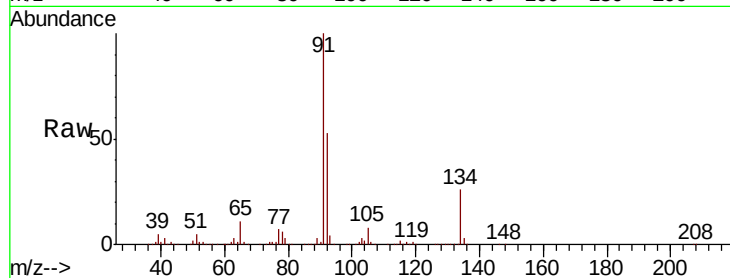
Tot Ion: 91 Resp: 737136

Ion Ratio Lower Upper

91 100

92 52.5 26.1 78.3

134 26.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

13.62

600000

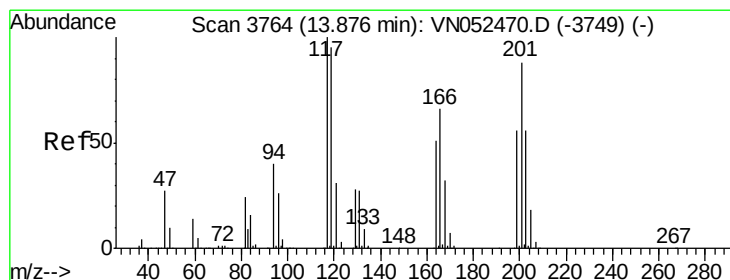
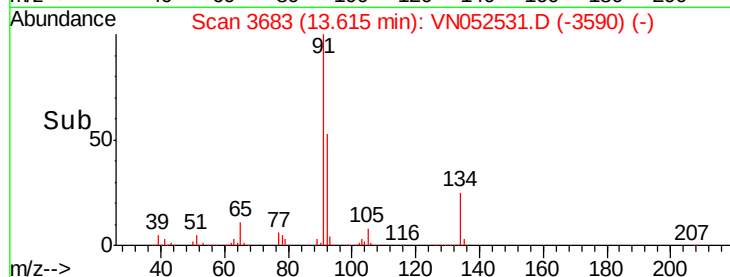
400000

200000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 18.602 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052531.D

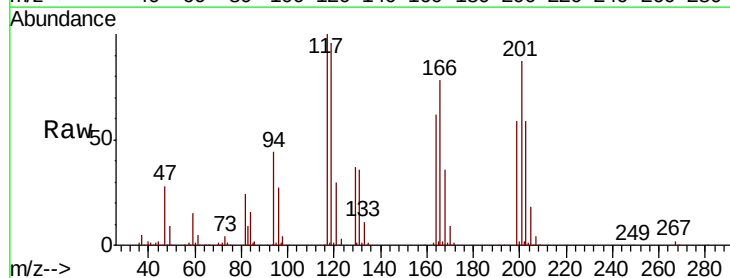
Acq: 28 Nov 2018 20:21

Tgt Ion: 117 Resp: 139220

Ion Ratio Lower Upper

117 100

201 89.1 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

13.88

80000

60000

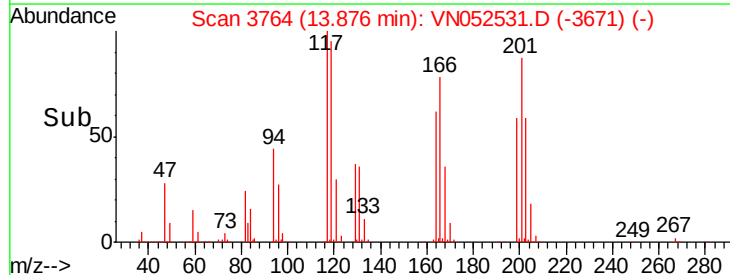
40000

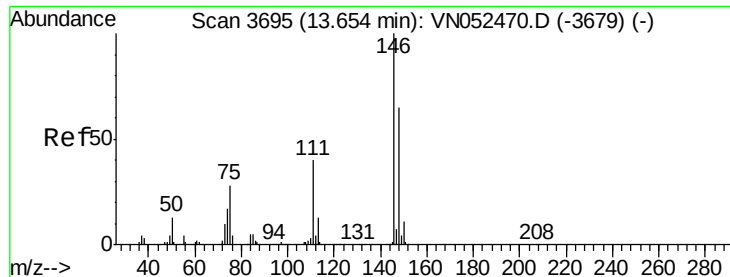
20000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.401 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampled :

VN1128MBSD01

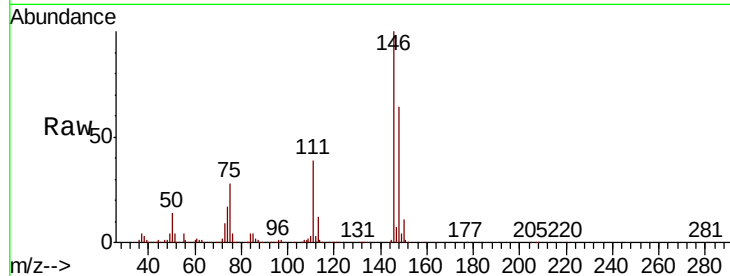
Tot Ion:146 Resp: 451587

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

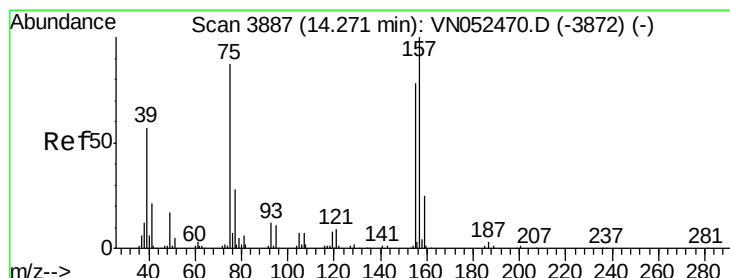
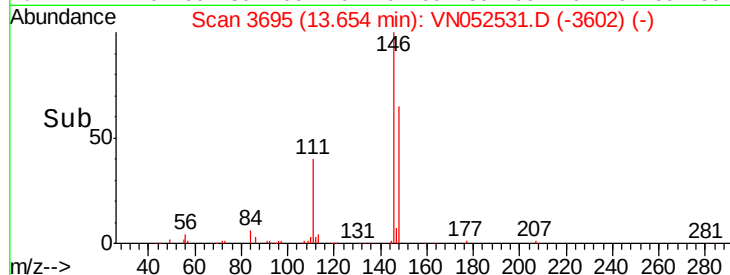
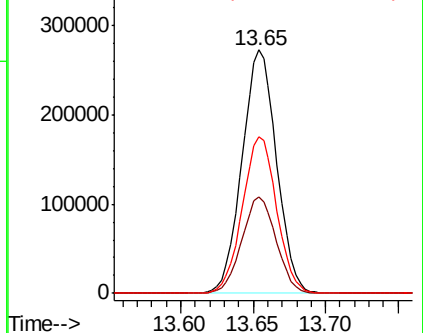
148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.193 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

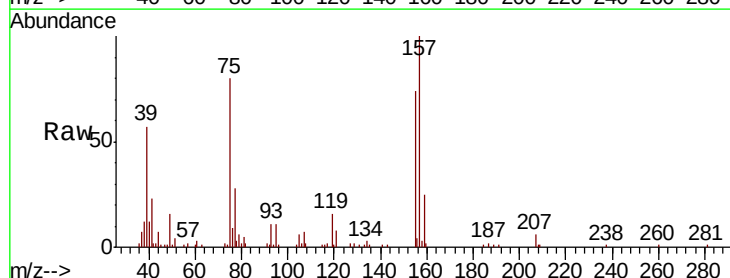
Tgt Ion: 75 Resp: 31718

Ion Ratio Lower Upper

75 100

155 90.5 45.3 135.9

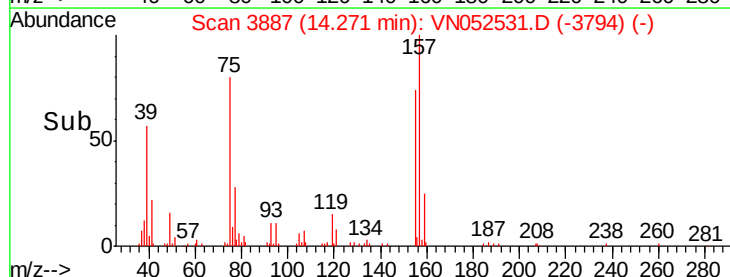
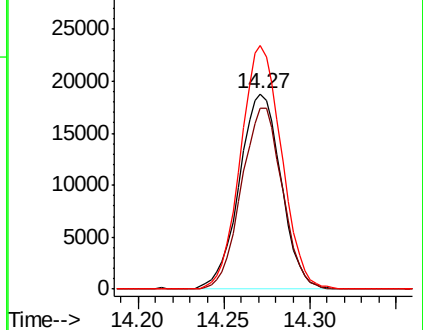
157 122.1 58.1 174.2

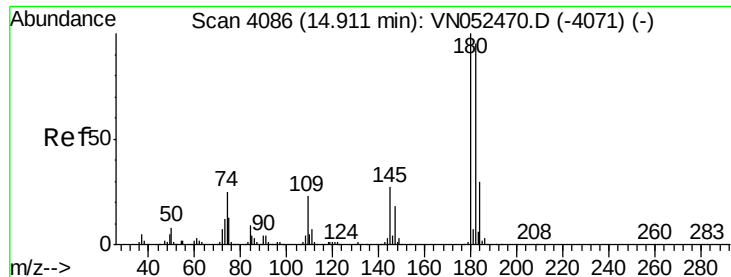


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

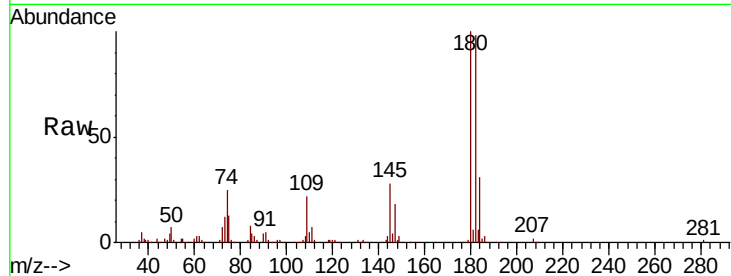




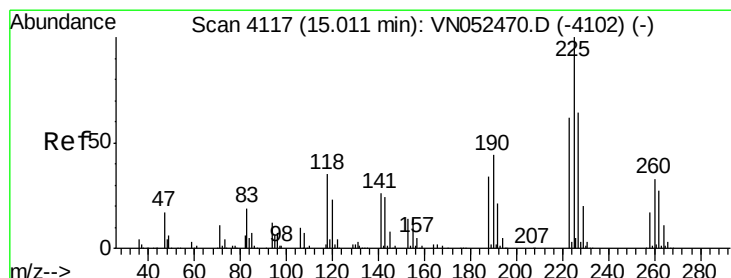
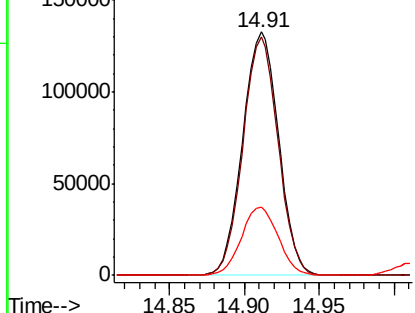
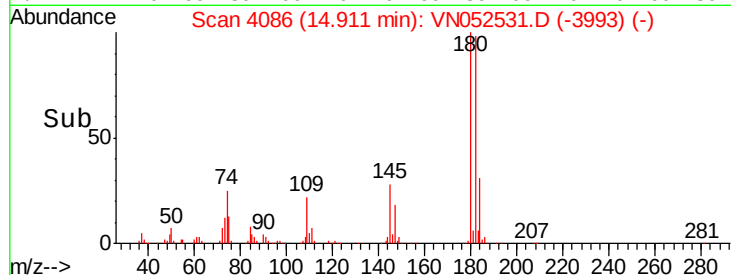
#93
 1,2,4-Trichlorobenzene
 Concen: 20.145 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.4
145	28.7	14.1	42.3

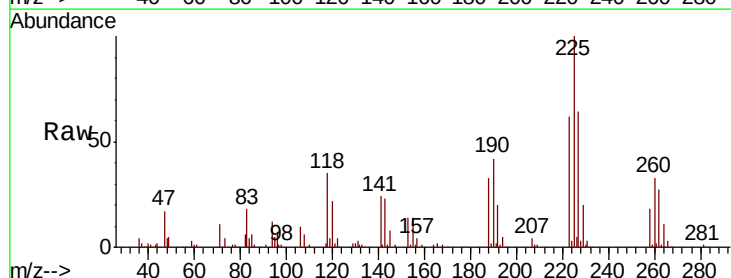


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

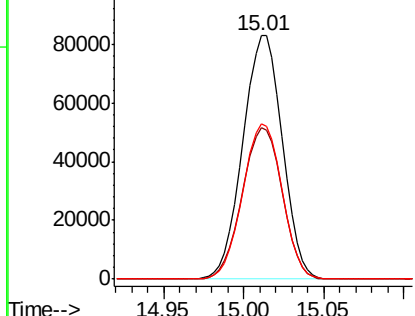
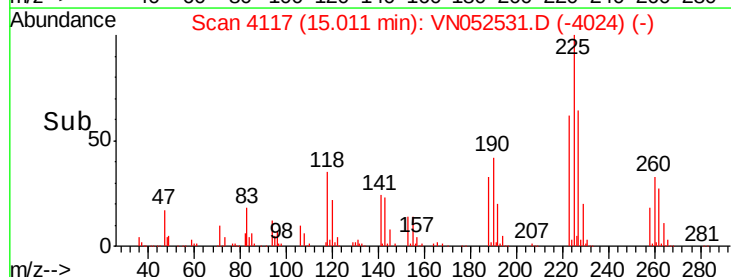


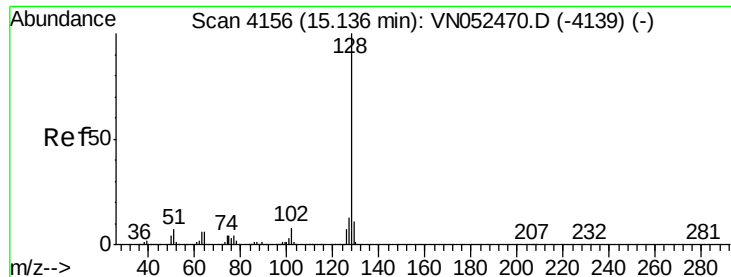
#94
 Hexachlorobutadiene
 Concen: 19.649 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052531.D
 Acq: 28 Nov 2018 20:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	63.5	32.5	97.4



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: 19.661 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBSD01

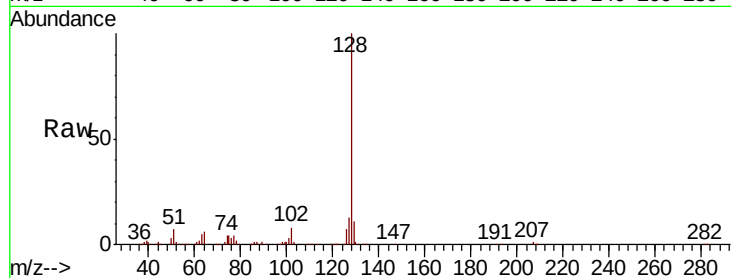
Tot Ion:128 Resp: 448148

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

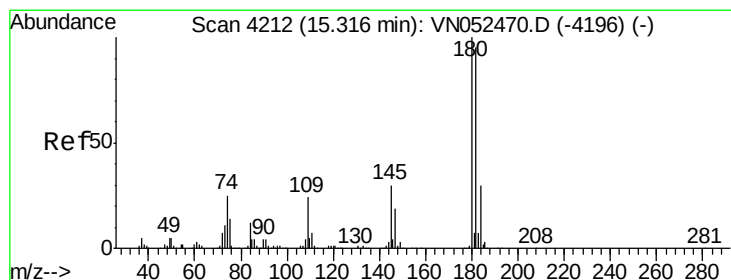
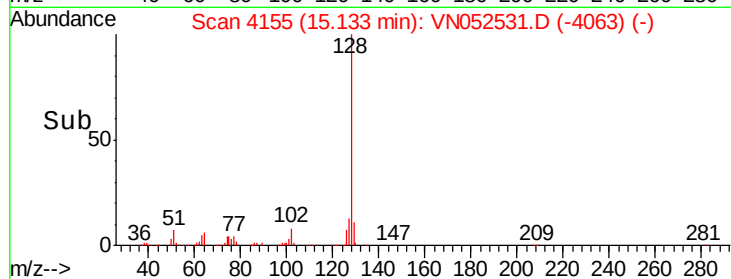
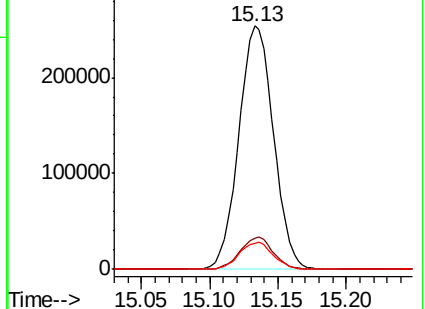
129 10.9 8.7 13.1



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: 19.974 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052531.D

Acq: 28 Nov 2018 20:21

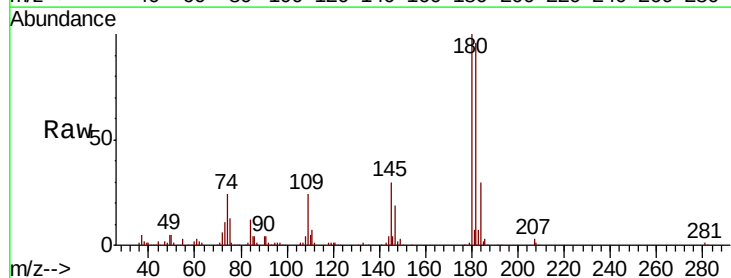
Tgt Ion:180 Resp: 203382

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 30.1 15.2 45.5



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

