

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058845.D
 Acq On : 18 Oct 2019 9:37
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 18 23:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	392153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	630021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	117237	21.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.32%	
35) Dibromofluoromethane	7.57	113	85858	21.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.60%	
50) Toluene-d8	10.08	98	330433	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
62) 4-Bromofluorobenzene	12.40	95	115649	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106153	21.779	ug/l	100
3) Chloromethane	2.04	50	125519	21.418	ug/l	98
4) Vinyl Chloride	2.17	62	124523	21.356	ug/l	97
5) Bromomethane	2.55	94	77570	21.612	ug/l	96
6) Chloroethane	2.69	64	80268	22.196	ug/l	98
7) Trichlorofluoromethane	3.00	101	156613	22.141	ug/l	98
8) Diethyl Ether	3.39	74	51542	20.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84325	21.195	ug/l	99
10) Methyl Iodide	3.93	142	110566	20.519	ug/l	99
11) Tert butyl alcohol	4.76	59	92657	102.425	ug/l	99
12) 1,1-Dichloroethene	3.72	96	78974	20.878	ug/l	95
13) Acrolein	3.58	56	65088	91.563	ug/l	98
14) Allyl chloride	4.30	41	159985	20.862	ug/l	99
15) Acrylonitrile	4.96	53	252084	110.662	ug/l	99
16) Acetone	3.79	43	334025	139.513	ug/l	98
17) Carbon Disulfide	4.03	76	254041	20.878	ug/l	99
18) Methyl Acetate	4.30	43	128391	21.964	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	276178	20.461	ug/l	98
20) Methylene Chloride	4.53	84	96338	20.188	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	87407	20.673	ug/l	99
22) Diisopropyl ether	5.93	45	321765	21.536	ug/l	98
23) Vinyl Acetate	5.87	43	1345143	111.540	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180419	21.298	ug/l	100
25) 2-Butanone	6.81	43	393096	116.339	ug/l	98
26) 2,2-Dichloropropane	6.80	77	158043	20.460	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99461	20.127	ug/l	99
28) Bromochloromethane	7.18	49	58953	20.039	ug/l	99
29) Tetrahydrofuran	7.19	42	237138	109.657	ug/l	100
30) Chloroform	7.35	83	177995	20.851	ug/l	99
31) Cyclohexane	7.64	56	163039	20.059	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	154455	21.279	ug/l	99
36) 1,1-Dichloropropene	7.78	75	130975	20.358	ug/l	99
37) Ethyl Acetate	6.91	43	151680	23.057	ug/l	99
38) Carbon Tetrachloride	7.75	117	137596	21.949	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	144768	19.496	ug/l	96
40) Benzene	8.02	78	389177	21.017	ug/l	98
41) Methacrylonitrile	7.19	41	218628	73.244	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	150749	21.218	ug/l	99
43) Isopropyl Acetate	8.15	43	233265	20.977	ug/l	100
44) Trichloroethene	8.82	130	94594	20.684	ug/l	97
45) 1,2-Dichloropropane	9.11	63	107452	21.646	ug/l	96
46) Dibromomethane	9.20	93	67343	21.471	ug/l	99
47) Bromodichloromethane	9.39	83	139244	21.755	ug/l	98
48) Methyl methacrylate	9.19	41	103723	20.519	ug/l	98
49) 1,4-Dioxane	9.18	88	34665	440.740	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	754955	120.078	ug/l	99
52) Toluene	10.15	92	239780	21.216	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152554	20.797	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	164288	21.063	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	96206	20.785	ug/l	97
56) Ethyl methacrylate	10.43	69	143569	21.230	ug/l	98
57) 1,3-Dichloropropane	10.70	76	169442	21.437	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311098	97.268	ug/l	99
59) 2-Hexanone	10.75	43	577517	118.495	ug/l	98
60) Dibromochloromethane	10.90	129	104104	21.783	ug/l	98
61) 1,2-Dibromoethane	11.00	107	98166	21.157	ug/l	98
64) Tetrachloroethene	10.63	164	84667	19.935	ug/l	98
65) Chlorobenzene	11.43	112	251794	20.430	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	94665	20.753	ug/l	97
67) Ethyl Benzene	11.51	91	447638	20.381	ug/l	96
68) m/p-Xylenes	11.62	106	331711	40.258	ug/l	98
69) o-Xylene	11.95	106	155663	19.548	ug/l	100
70) Styrene	11.96	104	252922	19.389	ug/l	99
71) Bromoform	12.13	173	69888	20.763	ug/l #	99
73) Isopropylbenzene	12.25	105	423017	20.868	ug/l	99
74) N-amyl acetate	12.07	43	189704	20.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145710	21.646	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	197760	31.625	ug/l #	100
77) Bromobenzene	12.53	156	103553	20.963	ug/l	97
78) n-propylbenzene	12.59	91	510466	21.582	ug/l	100
79) 2-Chlorotoluene	12.68	91	300047	20.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	360891	20.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48522	20.827	ug/l	95
82) 4-Chlorotoluene	12.78	91	308347	20.482	ug/l	99
83) tert-Butylbenzene	13.00	119	301209	20.322	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	364683	21.198	ug/l	100
85) sec-Butylbenzene	13.18	105	412494	21.098	ug/l	99
86) p-Isopropyltoluene	13.29	119	363964	20.535	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	184517	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	180441	19.523	ug/l	98
89) n-Butylbenzene	13.62	91	329921	20.126	ug/l	99
90) Hexachloroethane	13.88	117	69311	21.637	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	182207	20.550	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33256	21.093	ug/l	95

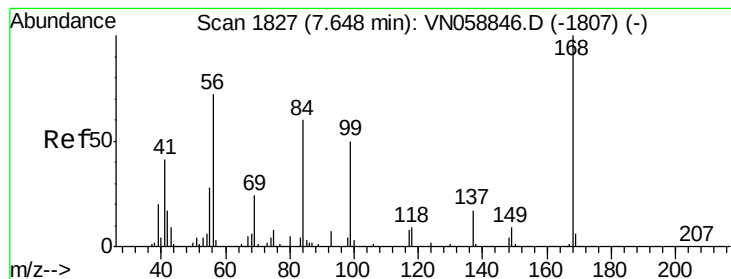
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
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Quant Title : SW846 8260
QLast Update : Fri Oct 18 23:49:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	98037	18.293	ug/l	97
94) Hexachlorobutadiene	15.01	225	56194	19.730	ug/l	98
95) Naphthalene	15.13	128	279988	18.217	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97759	18.646	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

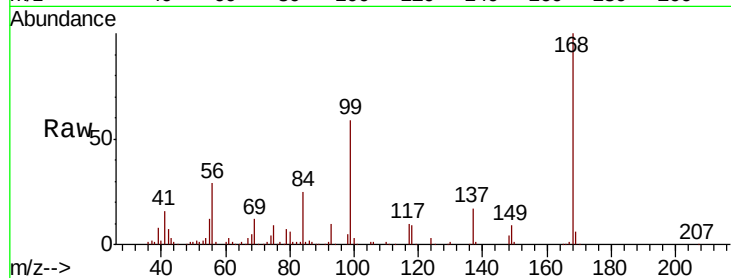
VSTDIC020

Tot Ion:168 Resp: 392153

Ion Ratio Lower Upper

168 100

99 58.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

150000

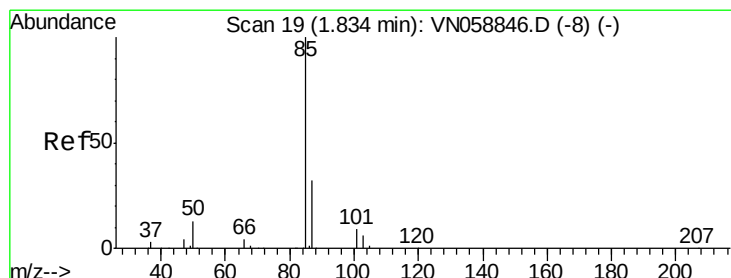
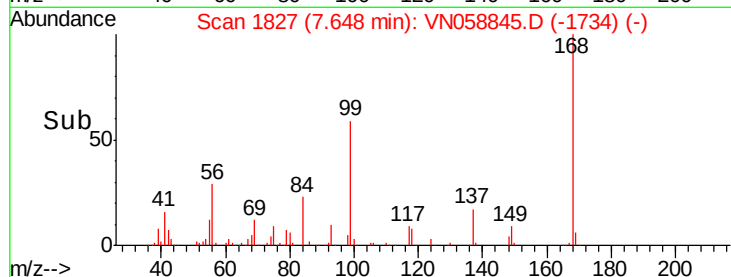
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.779 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058845.D

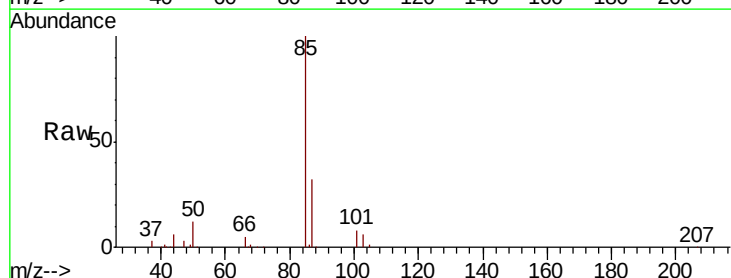
Acq: 18 Oct 2019 9:37

Tgt Ion: 85 Resp: 106153

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN058846.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058846.D (-8) (-)

1.83

80000

60000

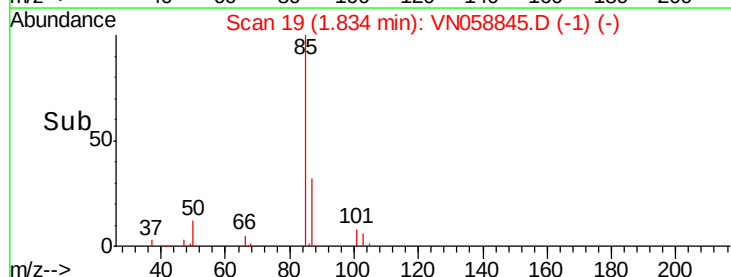
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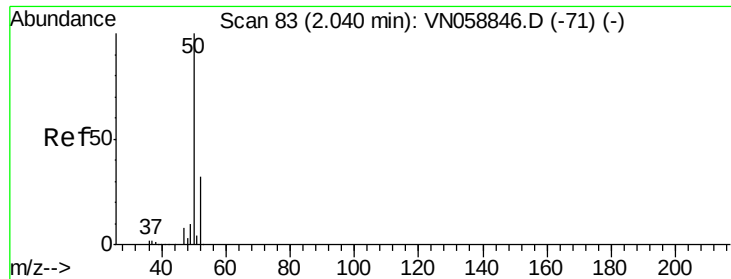
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.418 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

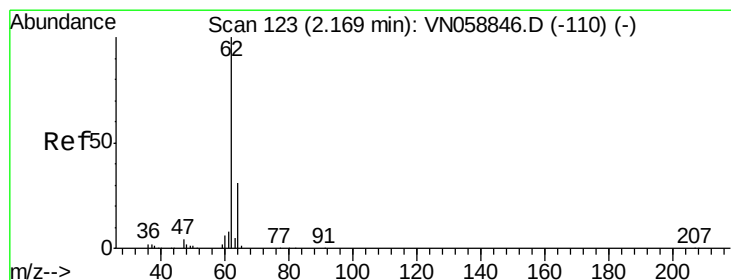
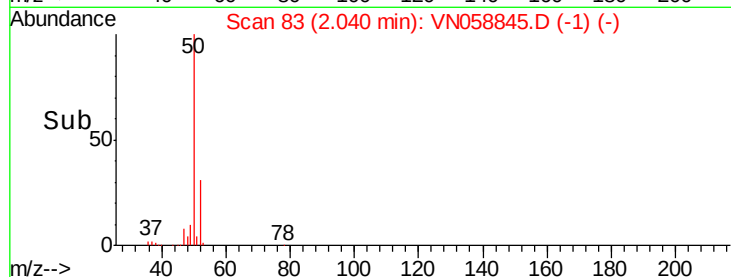
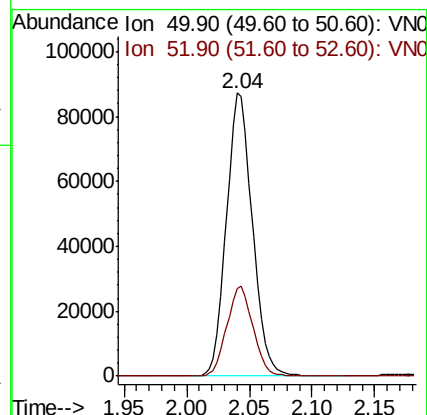
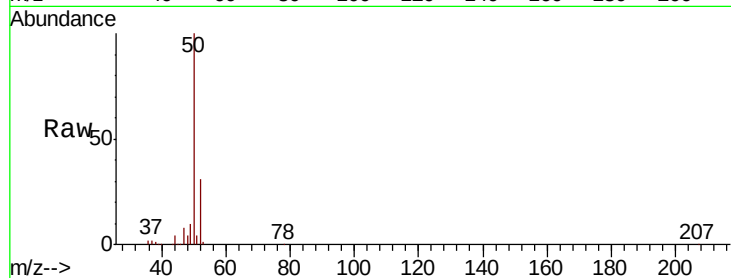
VSTDIC020

Tot Ion: 50 Resp: 125519

Ion Ratio Lower Upper

50 100

52 31.1 25.7 38.5



#4

Vinyl Chloride

Concen: 21.356 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058845.D

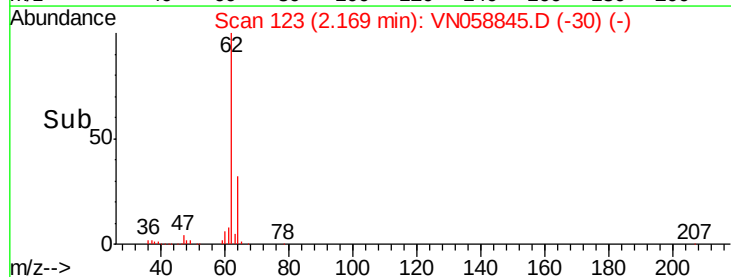
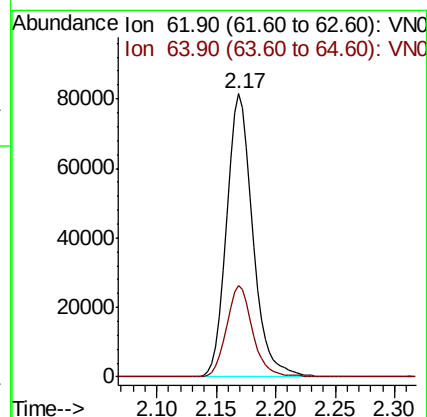
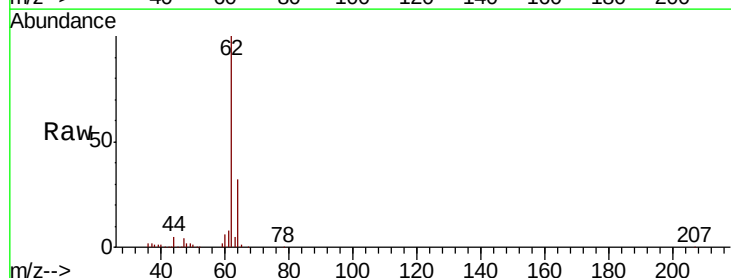
Acq: 18 Oct 2019 9:37

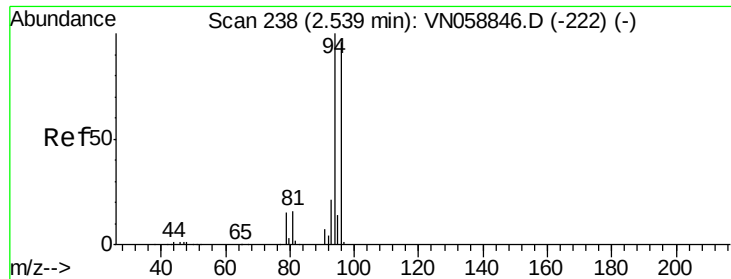
Tgt Ion: 62 Resp: 124523

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8





#5

Bromomethane

Concen: 21.612 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

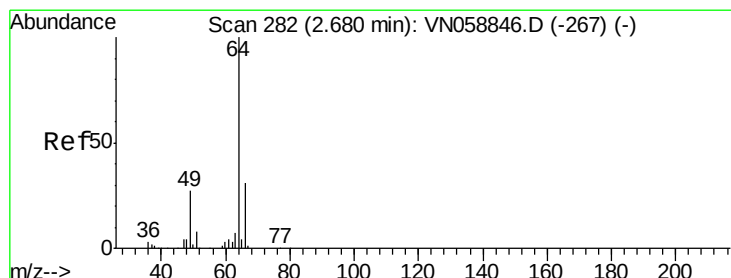
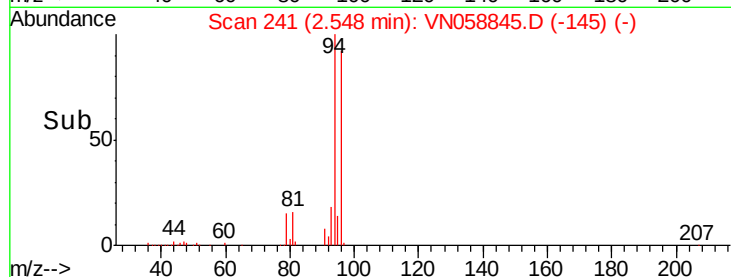
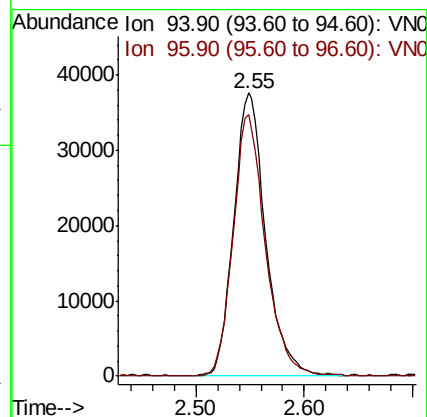
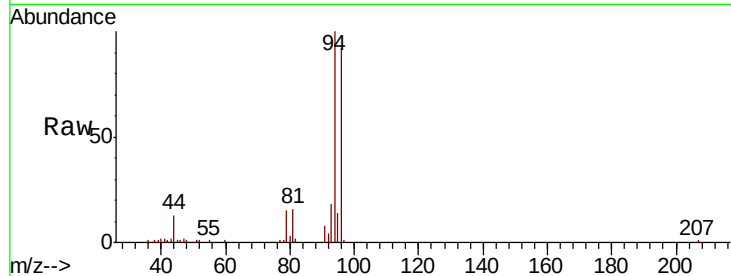
VSTDIC020

Tot Ion: 94 Resp: 77570

Ion Ratio Lower Upper

94 100

96 92.2 77.0 115.6



#6

Chloroethane

Concen: 22.196 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058845.D

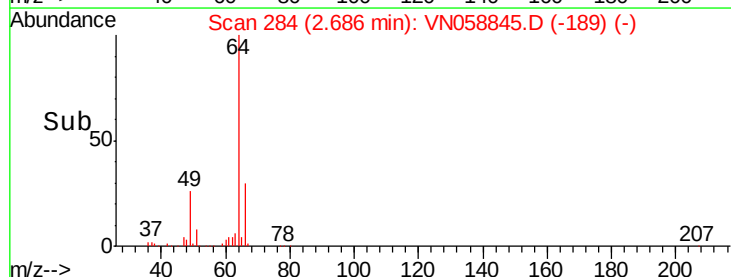
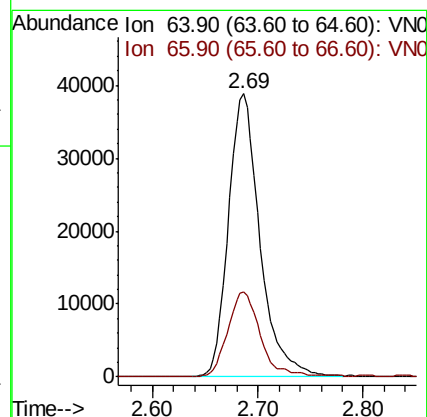
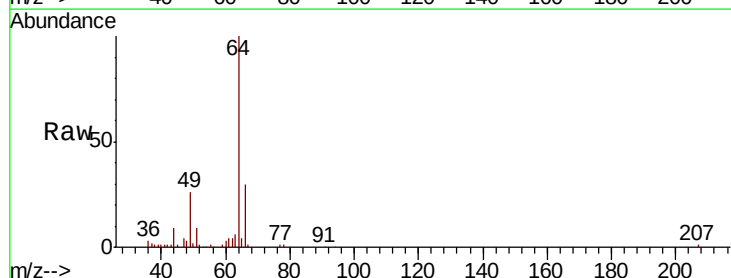
Acq: 18 Oct 2019 9:37

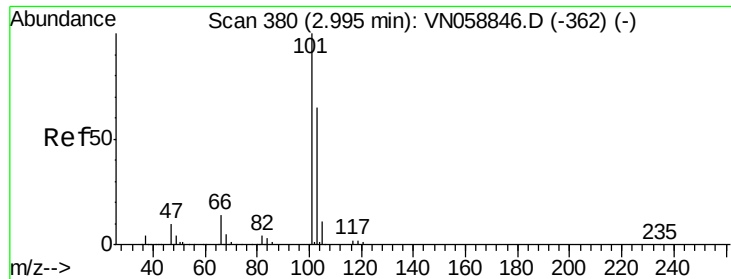
Tgt Ion: 64 Resp: 80268

Ion Ratio Lower Upper

64 100

66 29.9 25.0 37.4



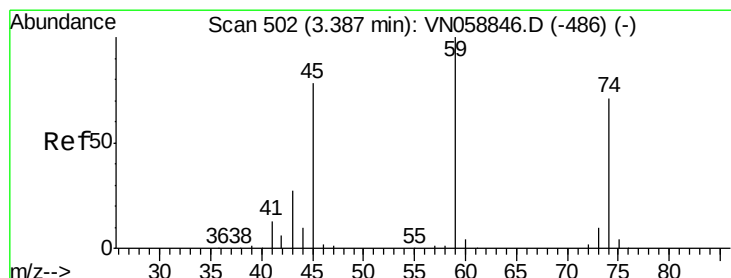
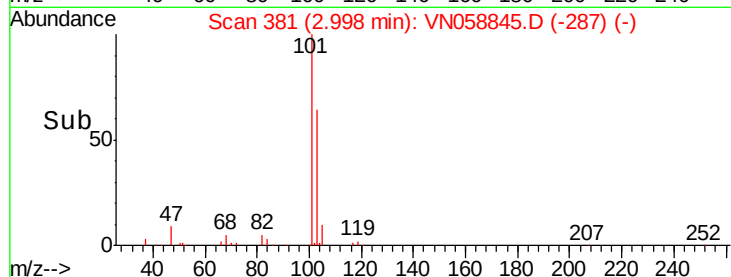
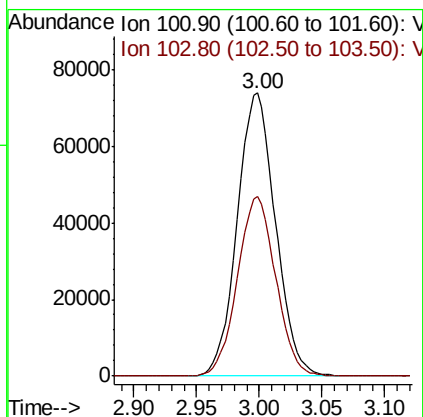
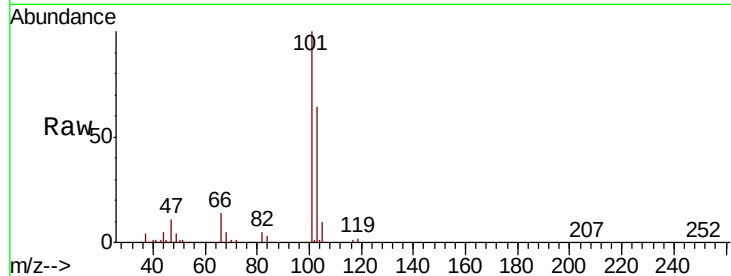


#7

Trichlorofluoromethane
Concen: 22.141 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

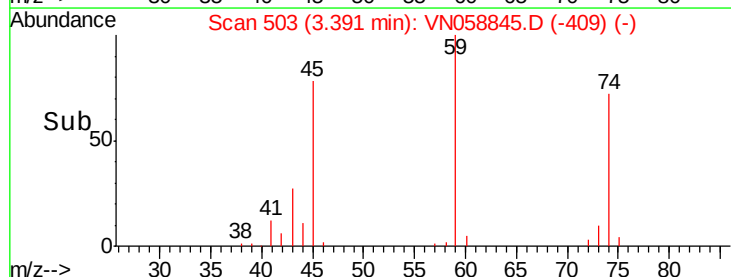
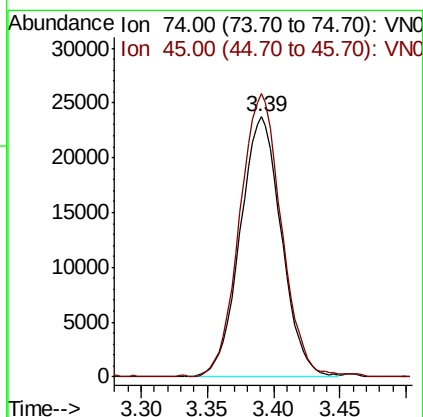
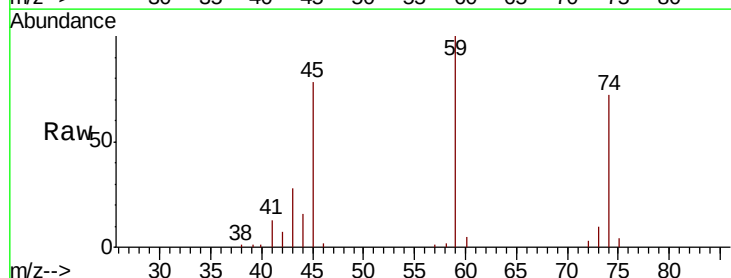
Tot Ion:101 Resp: 156613
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.2

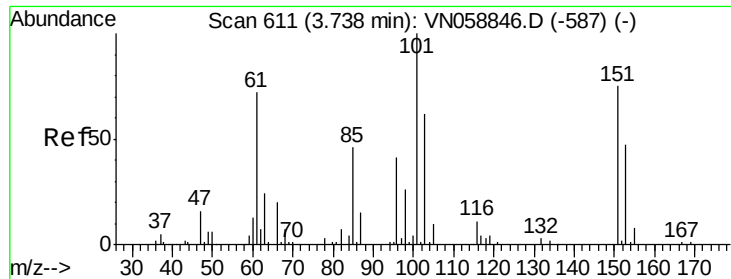


#8

Diethyl Ether
Concen: 20.153 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 74 Resp: 51542
Ion Ratio Lower Upper
74 100
45 110.1 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.195 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

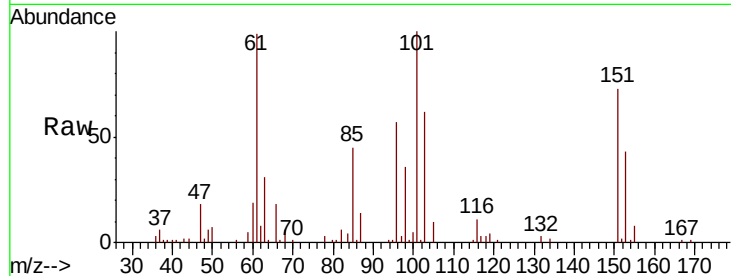
Tot Ion:101 Resp: 84325

Ion Ratio Lower Upper

101 100

85 46.6 37.2 55.8

151 74.2 59.9 89.9

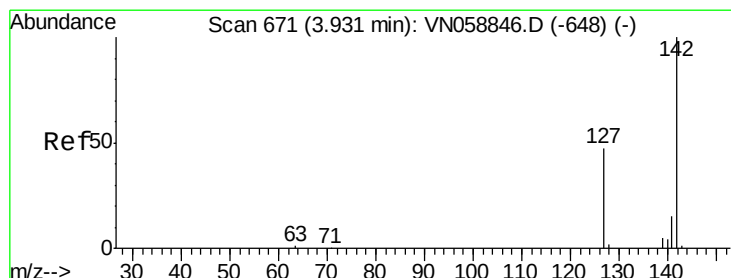
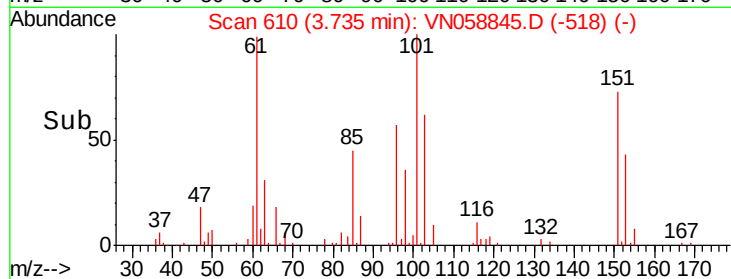
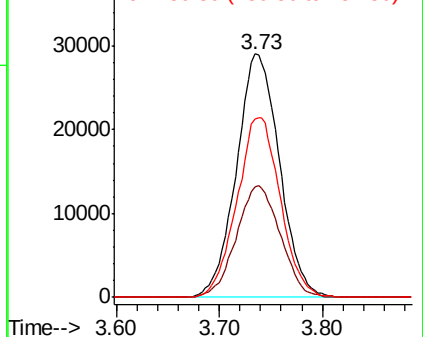


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.519 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

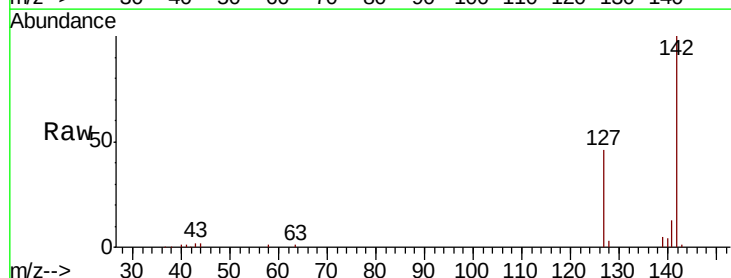
Tgt Ion:142 Resp: 110566

Ion Ratio Lower Upper

142 100

127 45.8 36.6 54.8

141 13.7 11.4 17.2

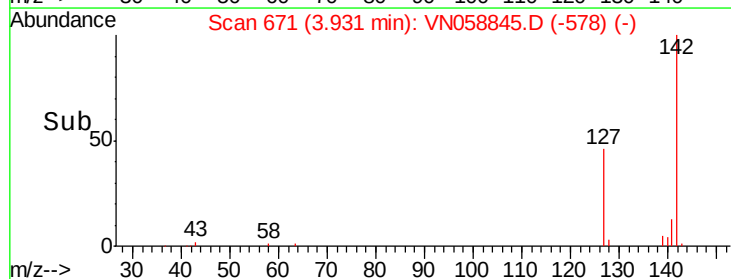
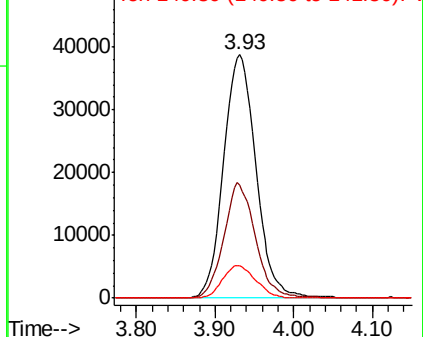


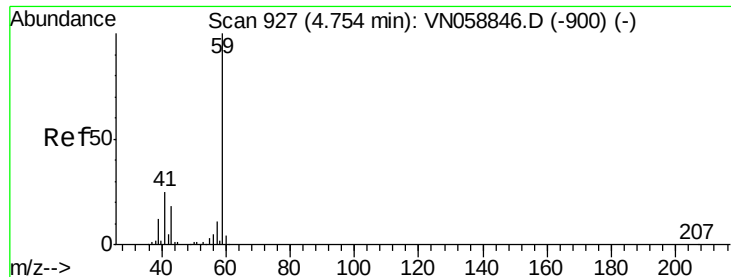
Abundance

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



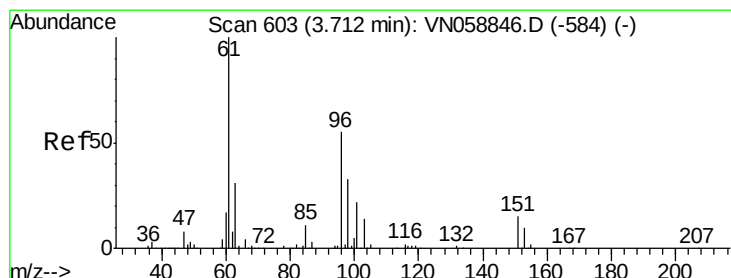
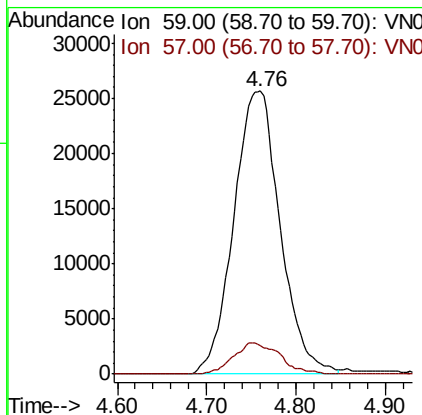
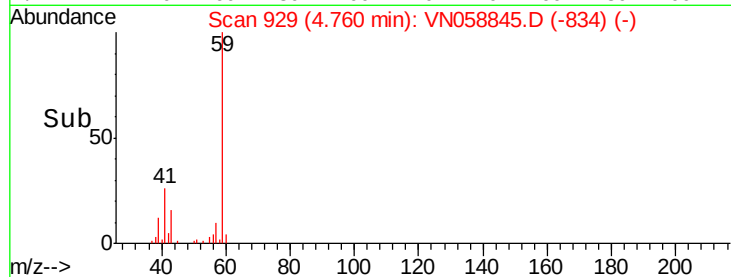
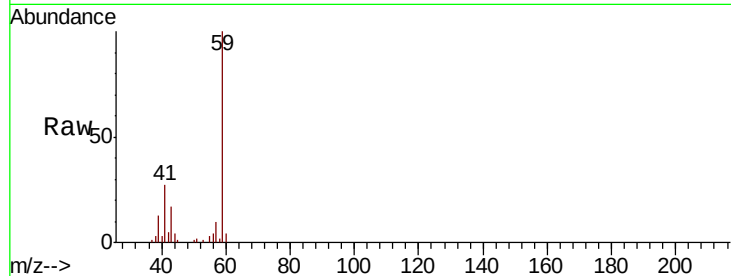


#11

Tert butyl alcohol
Concen: 102.425 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

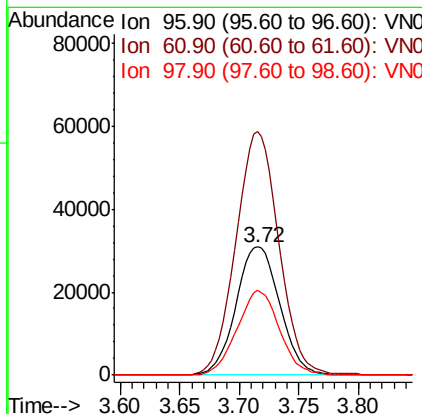
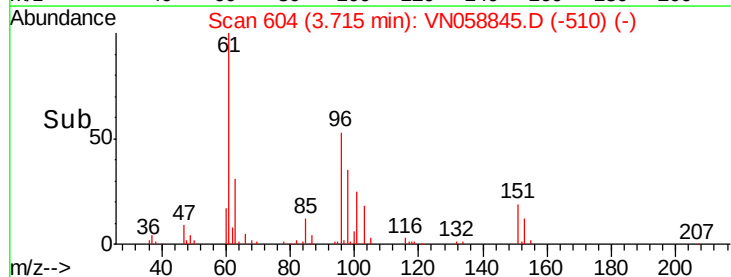
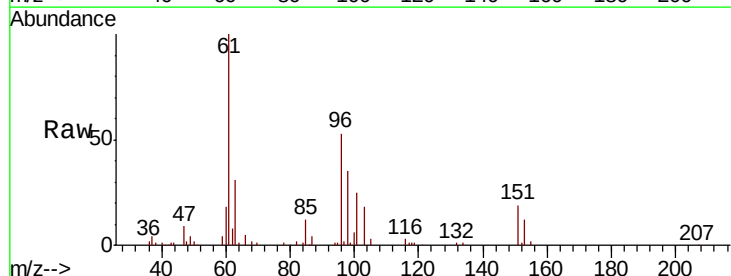
Tot Ion: 59 Resp: 92657
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

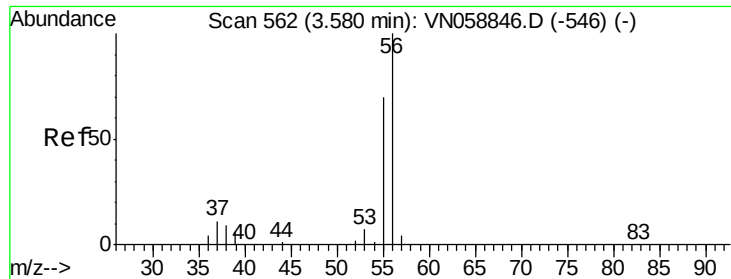


#12

1,1-Dichloroethene
Concen: 20.878 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 96 Resp: 78974
Ion Ratio Lower Upper
96 100
61 189.8 146.2 219.2
98 66.0 48.7 73.1





#13

Acrolein

Concen: 91.563 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

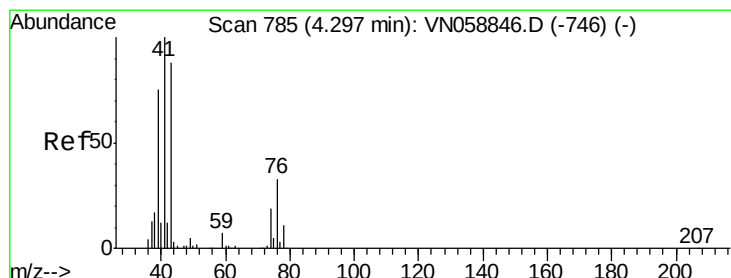
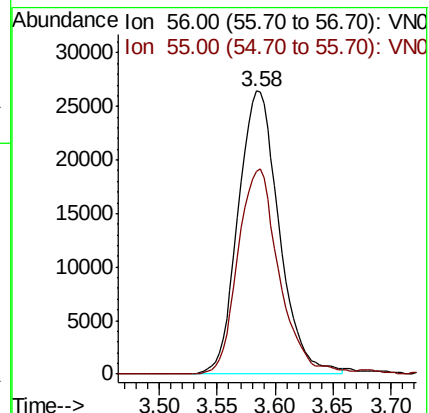
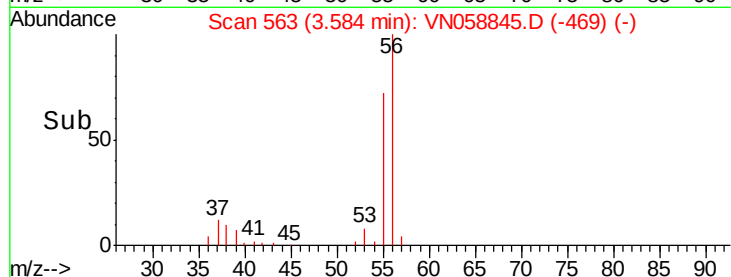
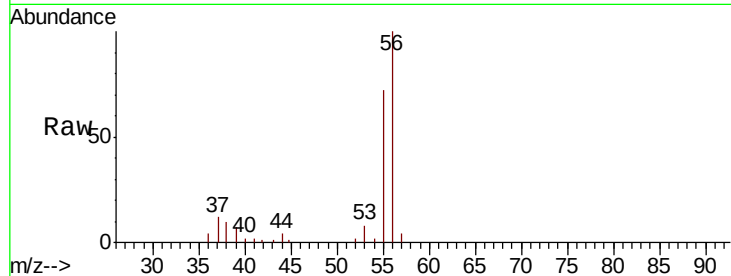
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 65088

Ion Ratio Lower Upper

56 100

55 72.8 56.6 85.0



#14

Allyl chloride

Concen: 20.862 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

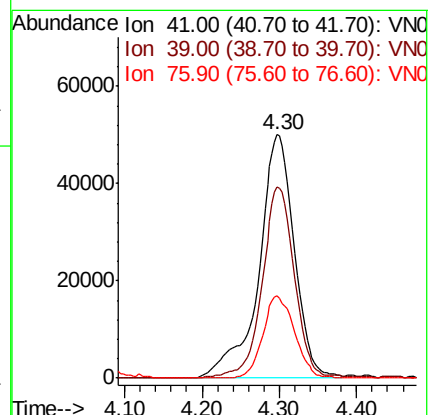
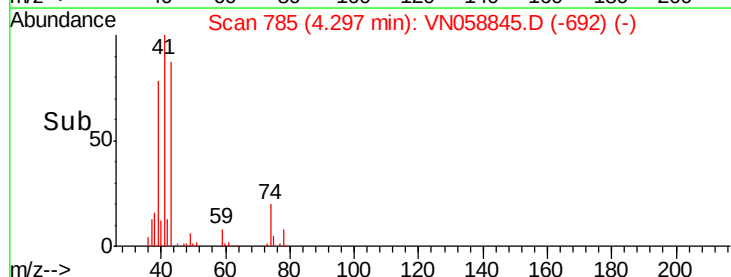
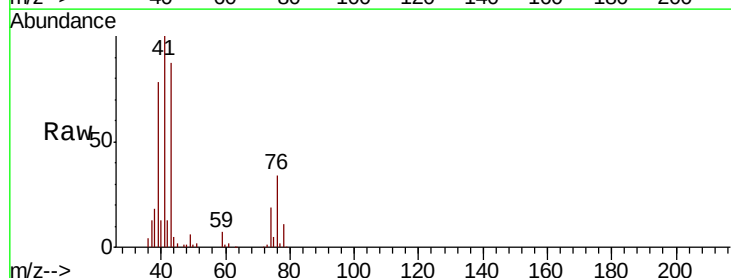
Tgt Ion: 41 Resp: 159985

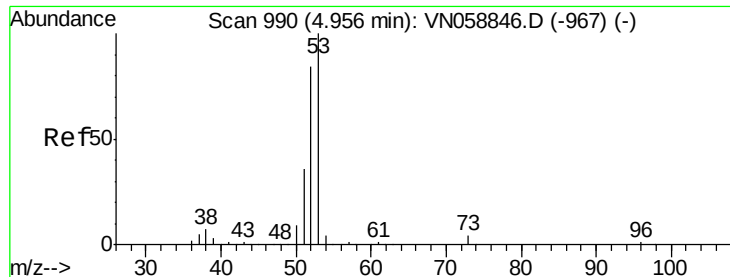
Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

76 30.4 24.1 36.1





#15

Acrylonitrile

Concen: 110.662 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

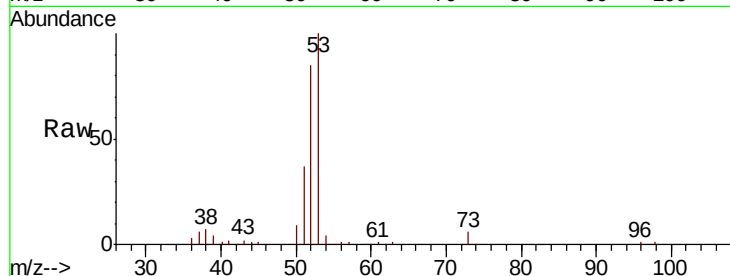
Tot Ion: 53 Resp: 252084

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

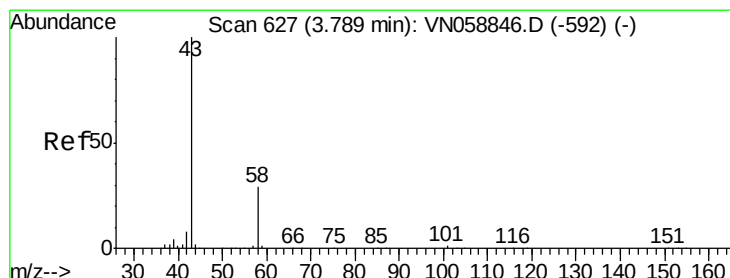
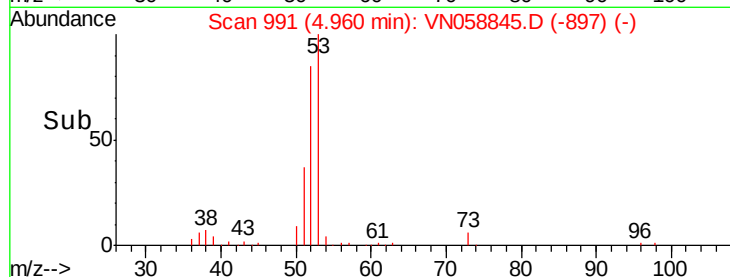
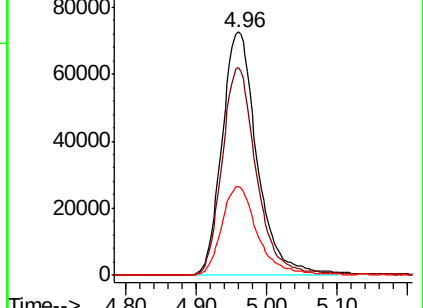
51 37.4 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 139.513 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058845.D

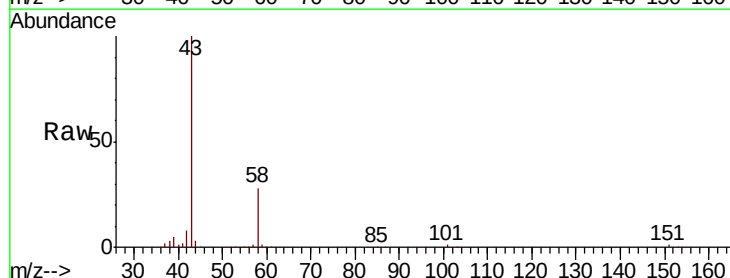
Acq: 18 Oct 2019 9:37

Tgt Ion: 43 Resp: 334025

Ion Ratio Lower Upper

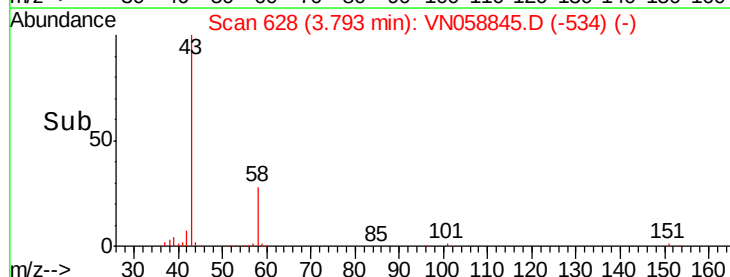
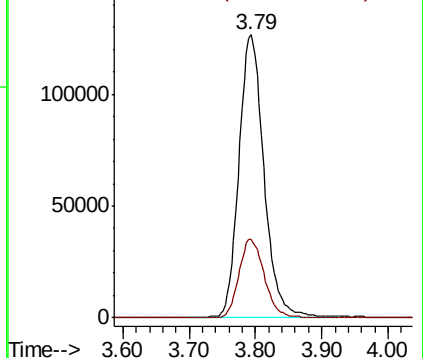
43 100

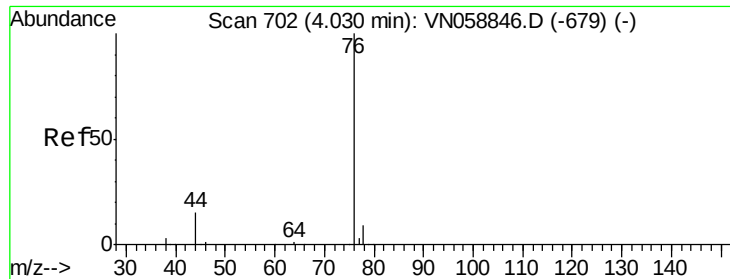
58 27.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

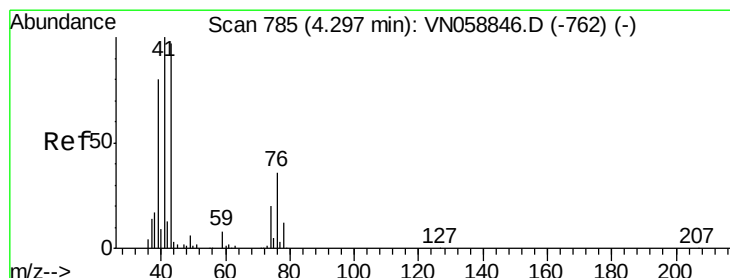
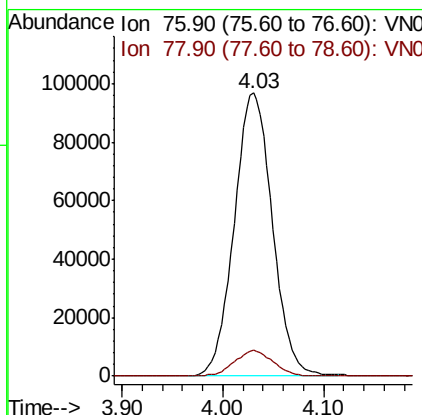
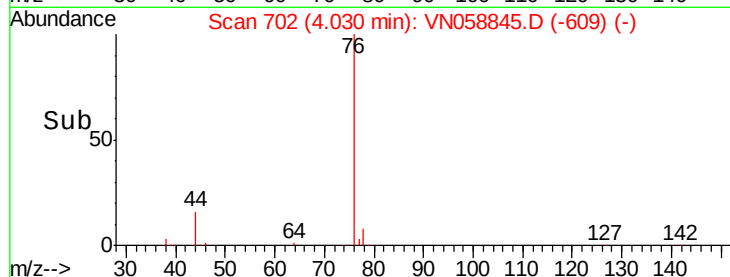
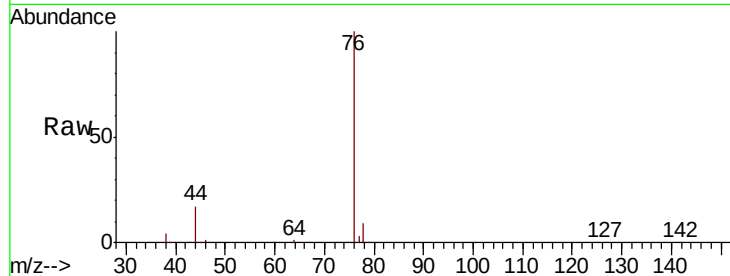




#17
Carbon Disulfide
Concen: 20.878 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

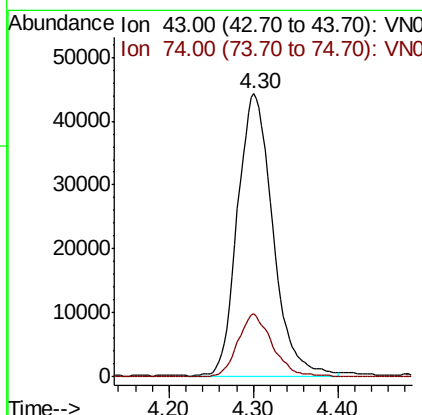
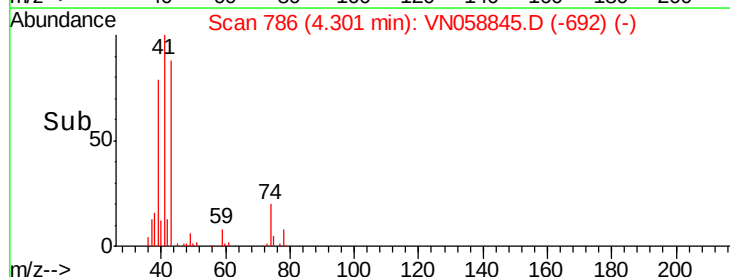
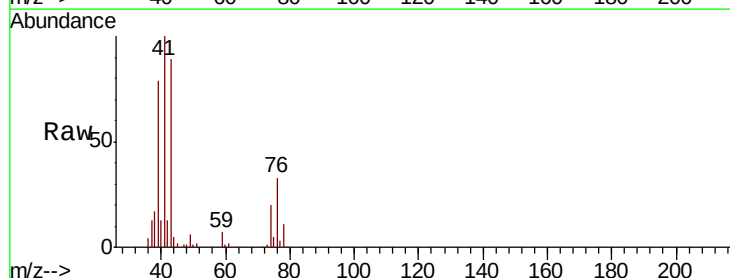
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

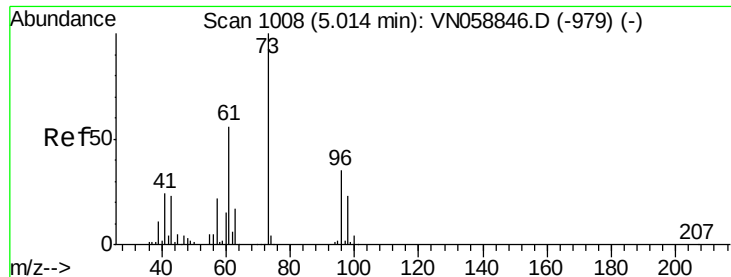
Tot Ion: 76 Resp: 254041
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 21.964 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 43 Resp: 128391
Ion Ratio Lower Upper
43 100
74 21.9 17.1 25.7





#19

Methyl tert-butyl Ether

Concen: 20.461 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

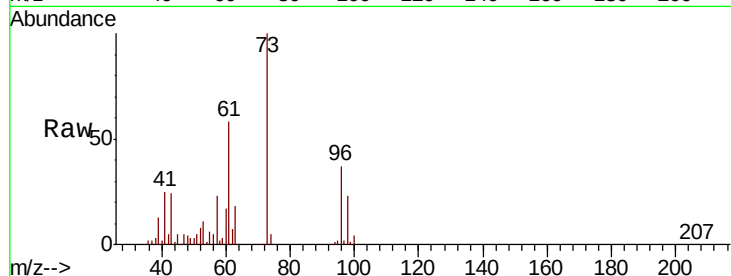
VSTDIC020

Tot Ion: 73 Resp: 276178

Ion Ratio Lower Upper

73 100

57 23.4 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.01

80000

60000

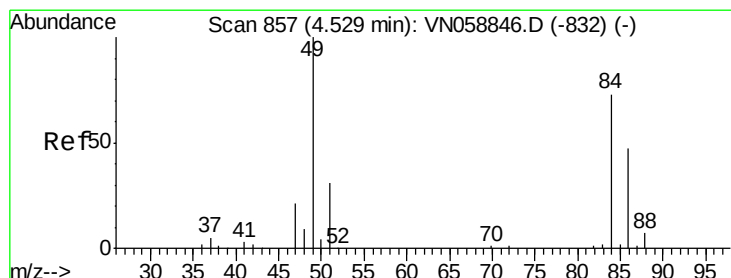
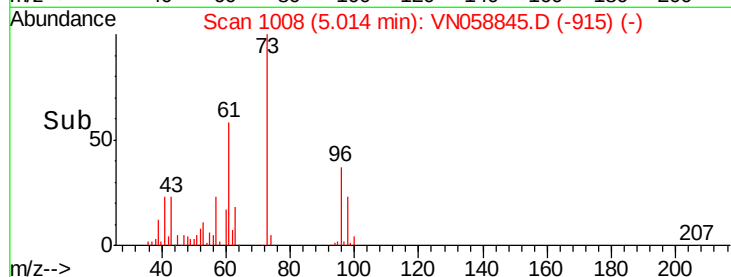
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 20.188 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Tgt Ion: 84 Resp: 96338

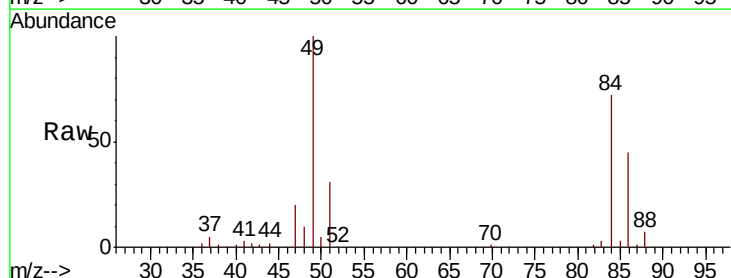
Ion Ratio Lower Upper

84 100

49 138.5 109.6 164.4

51 42.3 33.8 50.6

86 61.9 51.5 77.3



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

60000

50000

40000

30000

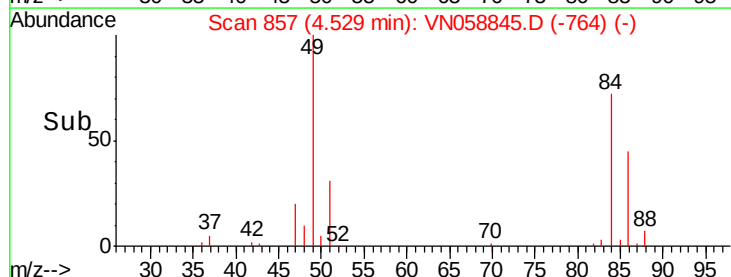
20000

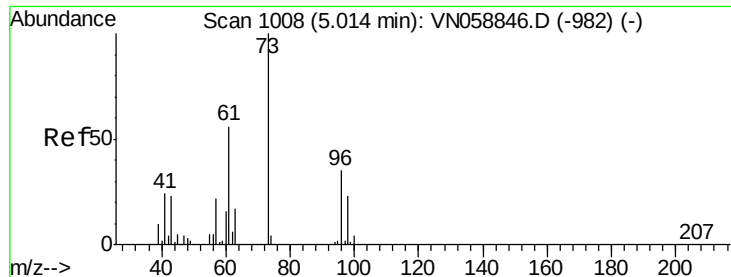
10000

0

Time-->

4.40 4.50 4.60 4.70

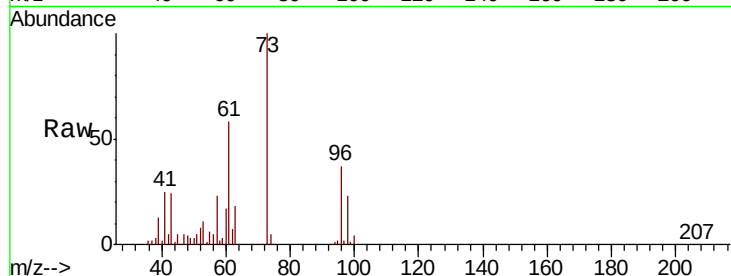




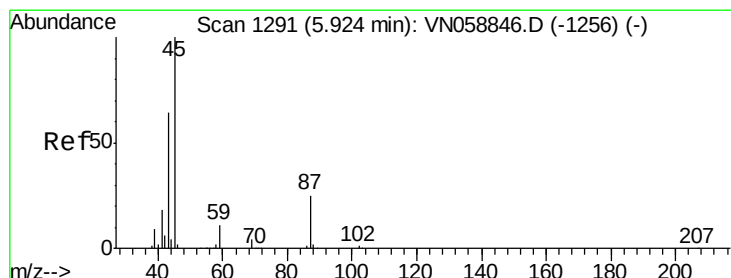
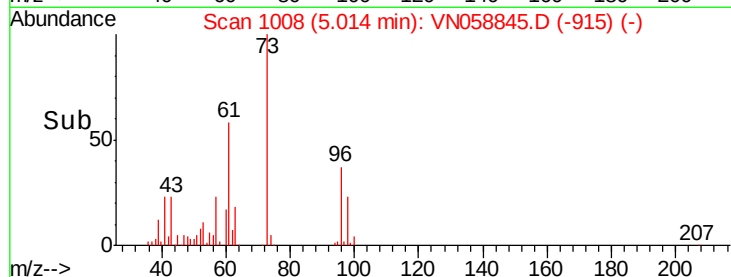
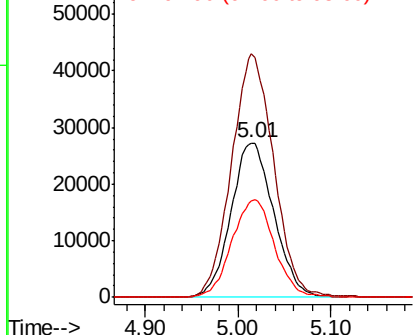
#21
trans-1,2-Dichloroethene
Concen: 20.673 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 87407
Ion Ratio Lower Upper
96 100
61 157.9 126.7 190.1
98 62.9 52.0 78.0

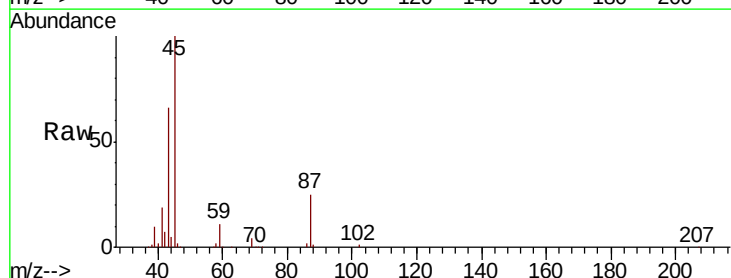


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

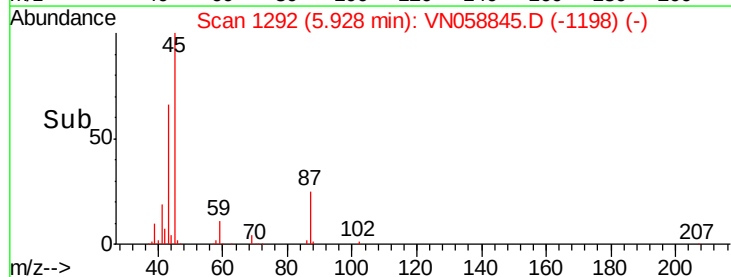
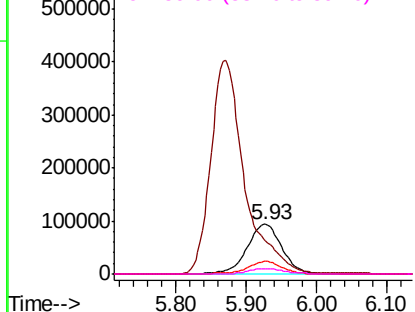


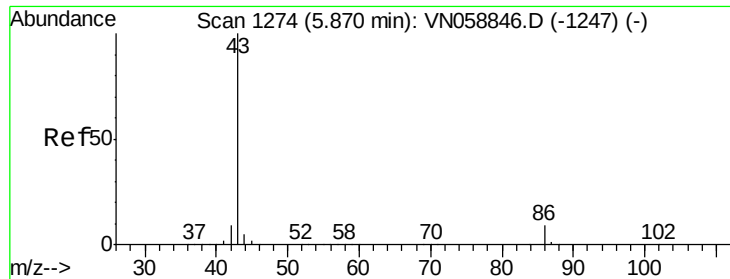
#22
Diisopropyl ether
Concen: 21.536 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 45 Resp: 321765
Ion Ratio Lower Upper
45 100
43 64.4 52.9 79.3
87 24.8 20.2 30.4
59 11.1 8.8 13.2



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





#23

Vinyl Acetate

Concen: 111.540 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

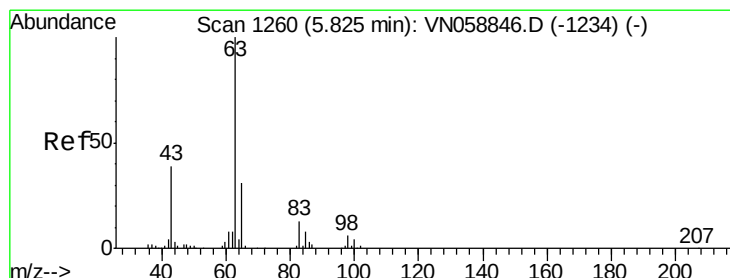
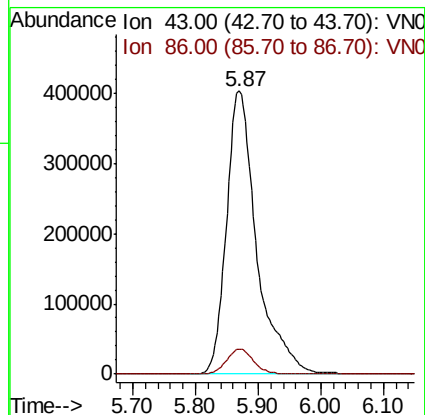
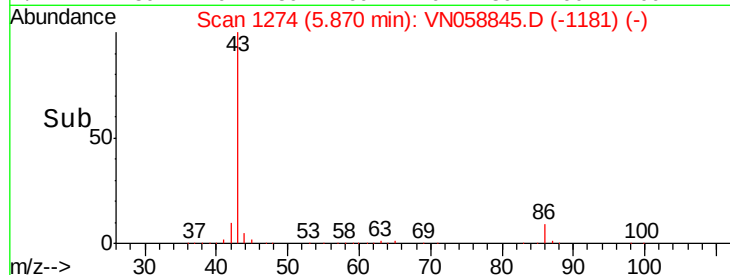
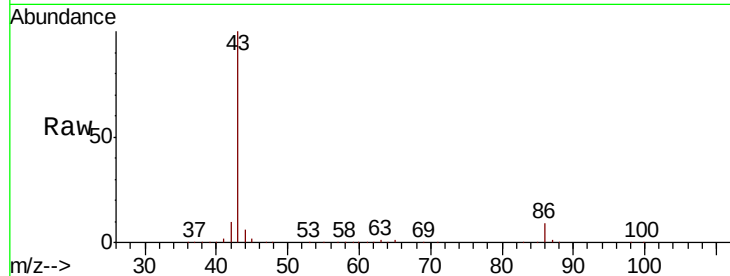
VSTDIC020

Tot Ion: 43 Resp: 1345143

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



#24

1,1-Dichloroethane

Concen: 21.298 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

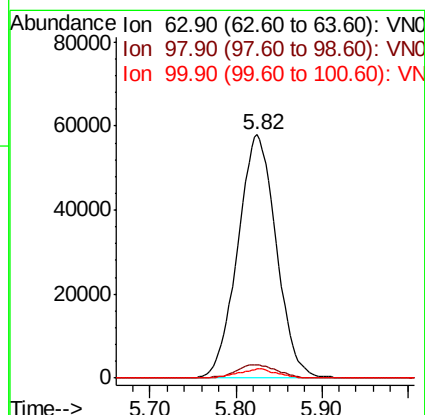
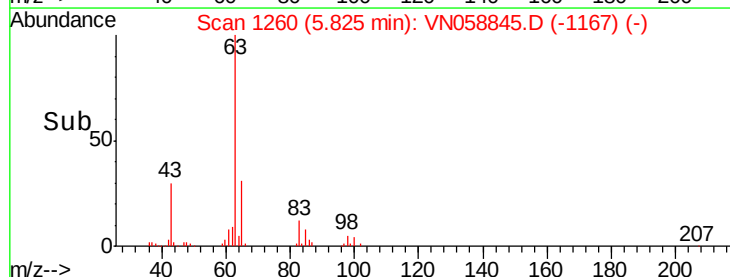
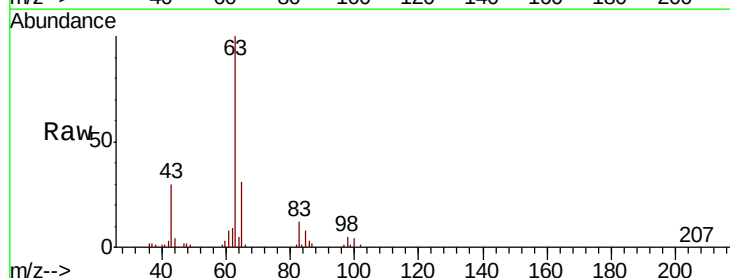
Tgt Ion: 63 Resp: 180419

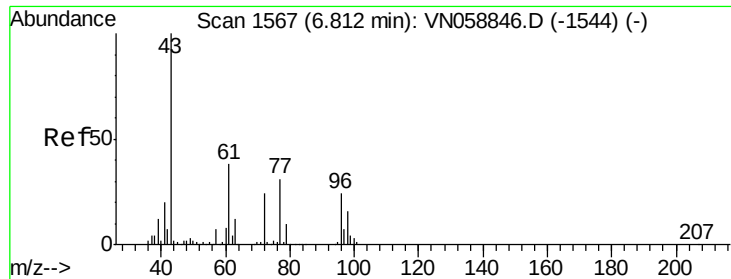
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.8 1.9 5.7

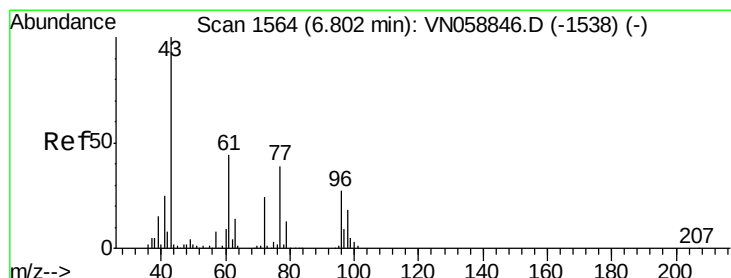
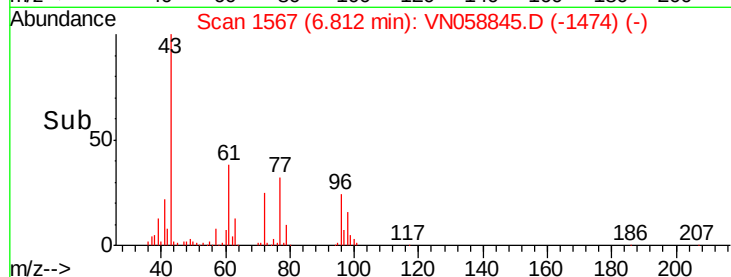
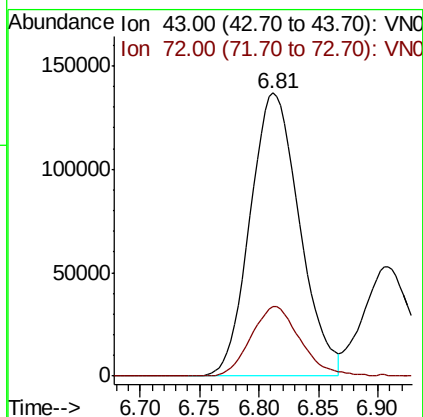
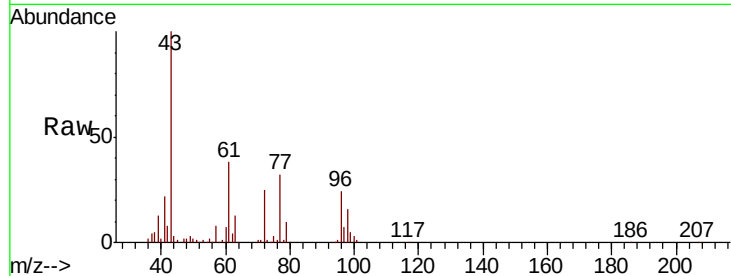




#25
 2-Butanone
 Concen: 116.339 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

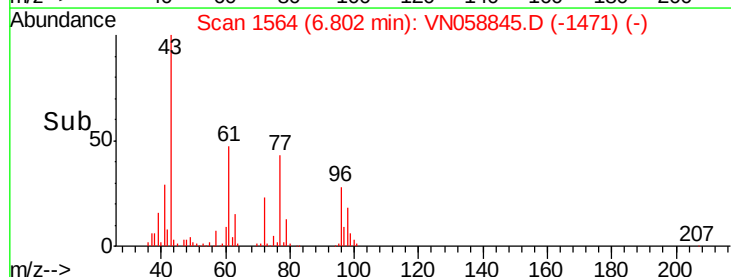
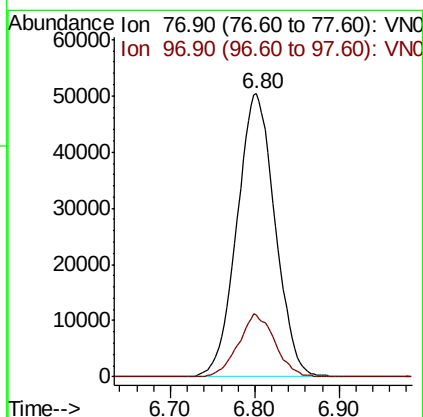
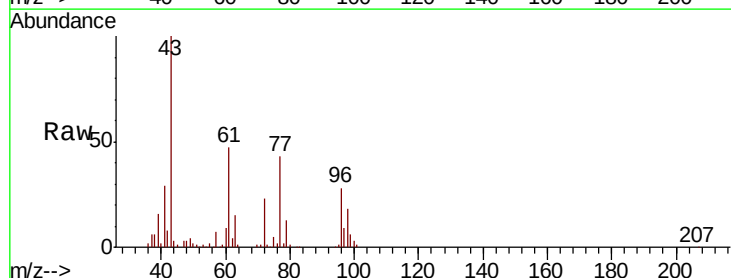
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

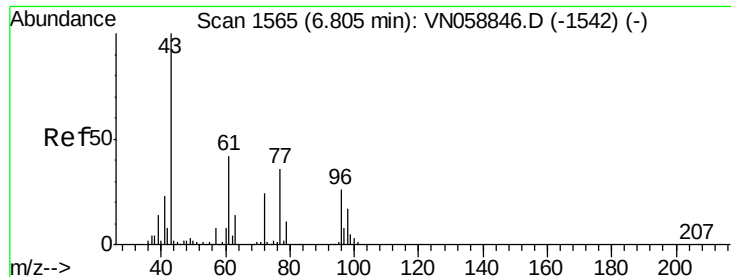
Tot Ion: 43 Resp: 393096
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.1 28.7



#26
 2,2-Dichloropropane
 Concen: 20.460 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion: 77 Resp: 158043
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.127 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

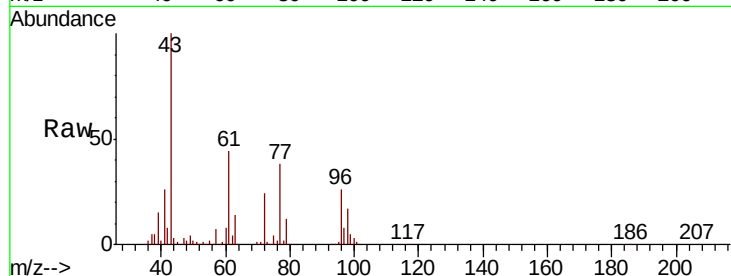
Tot Ion: 96 Resp: 99461

Ion Ratio Lower Upper

96 100

61 163.7 0.0 325.0

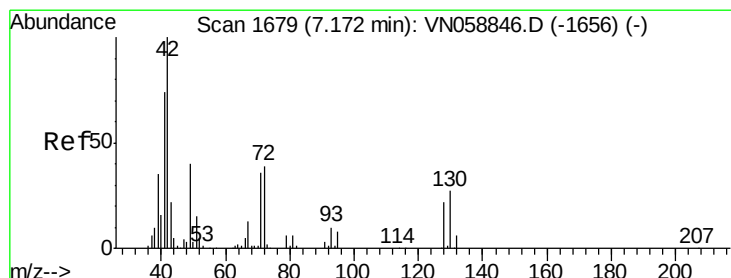
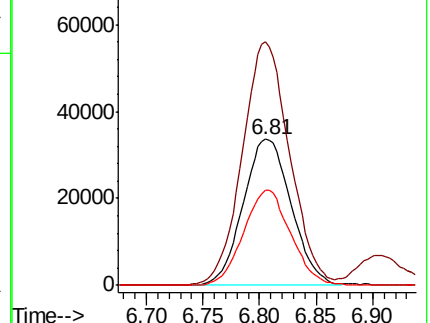
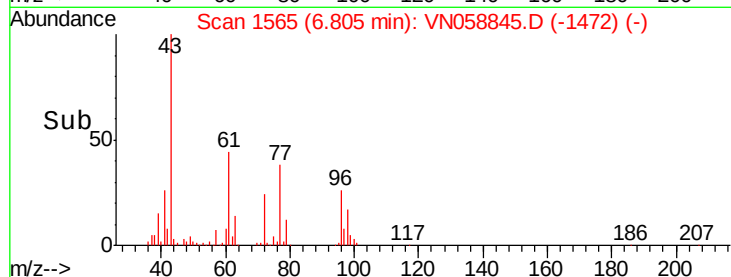
98 63.8 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.039 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

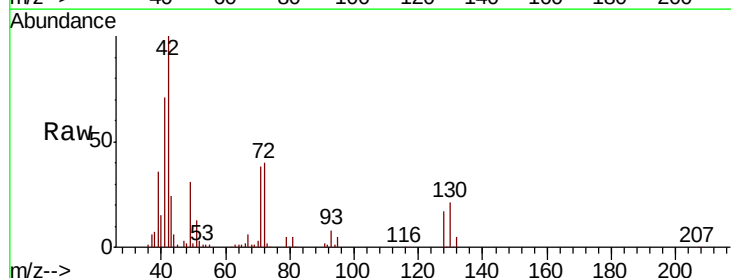
Tgt Ion: 49 Resp: 58953

Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.2

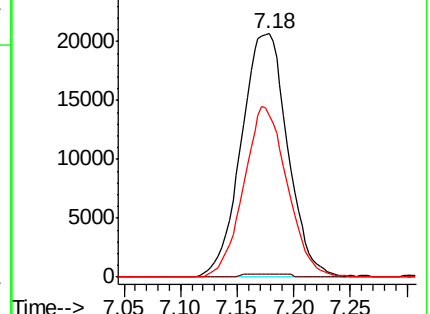
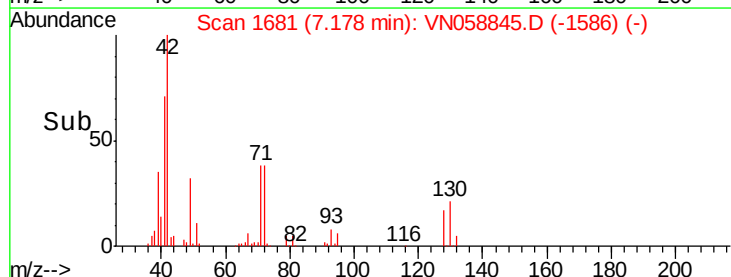
130 65.7 53.5 80.3

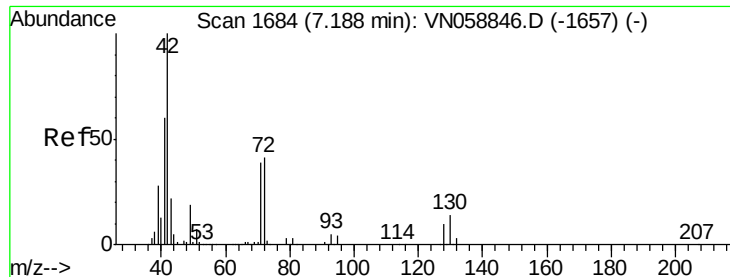


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.657 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

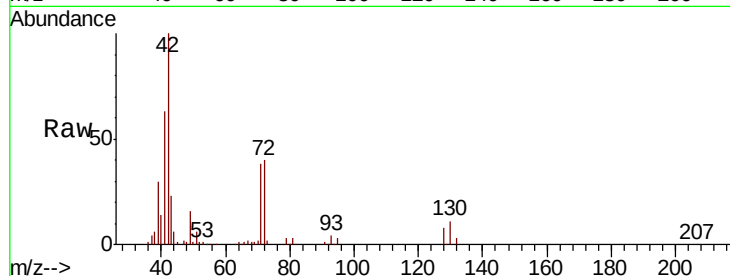
Tot Ion: 42 Resp: 237138

Ion Ratio Lower Upper

42 100

72 40.1 32.2 48.2

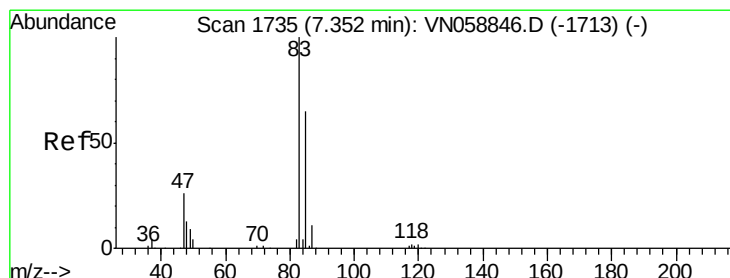
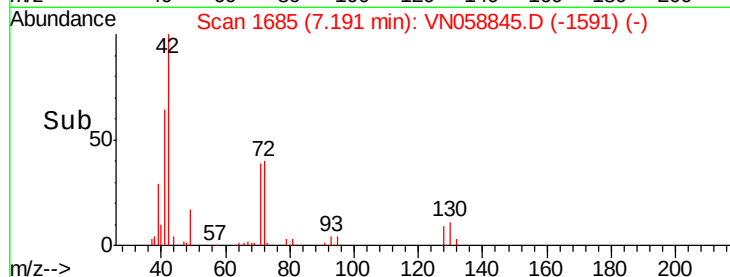
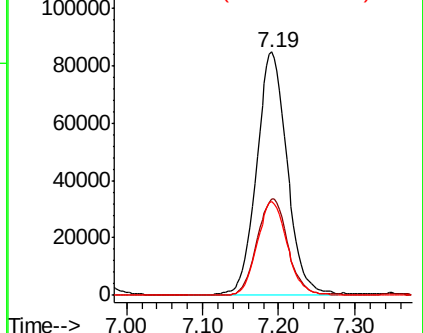
71 38.0 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.851 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058845.D

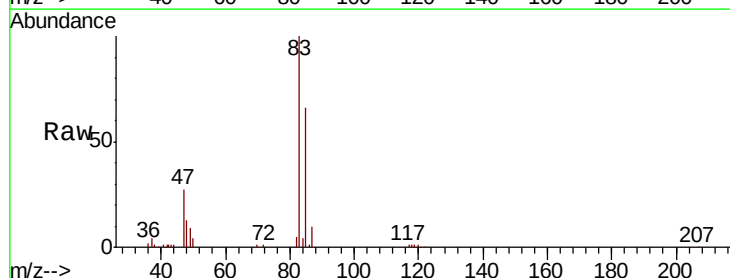
Acq: 18 Oct 2019 9:37

Tgt Ion: 83 Resp: 177995

Ion Ratio Lower Upper

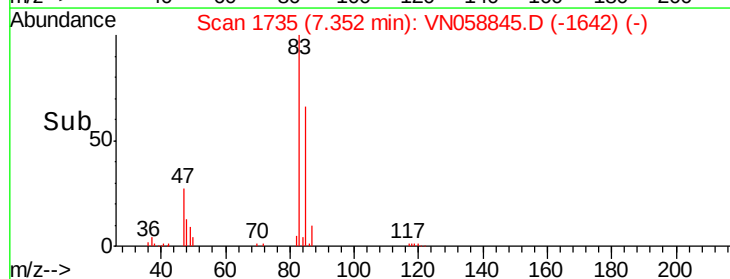
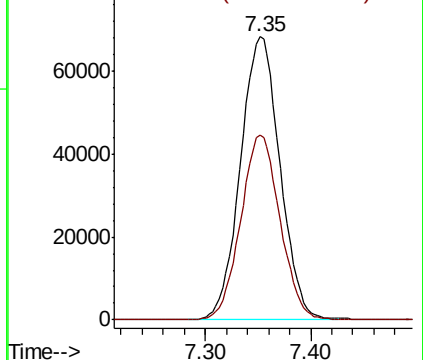
83 100

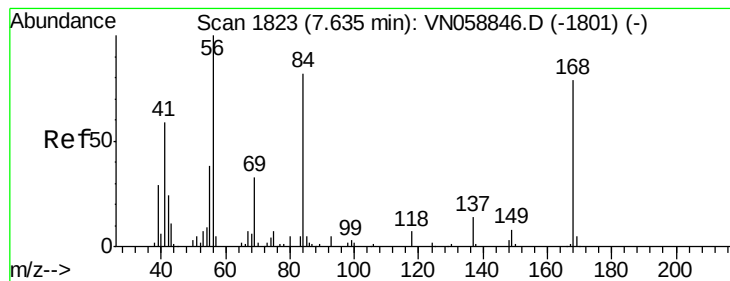
85 65.5 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.059 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

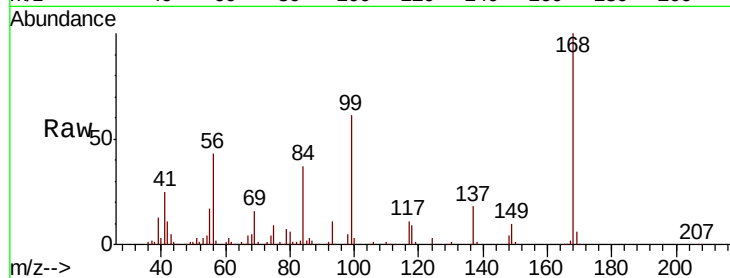
Tot Ion: 56 Resp: 163039

Ion Ratio Lower Upper

56 100

69 38.1 26.2 39.4

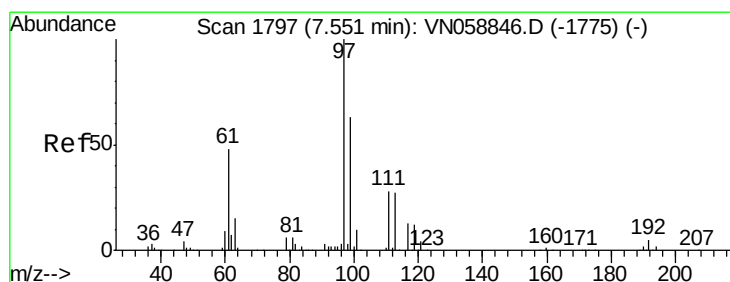
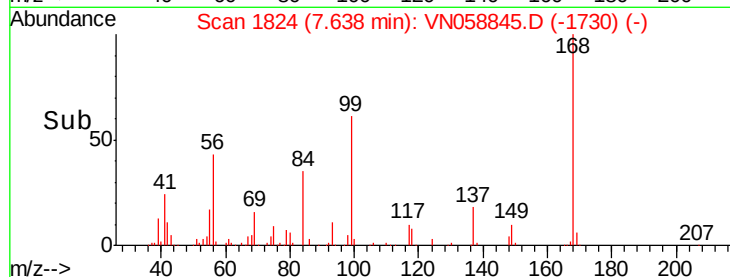
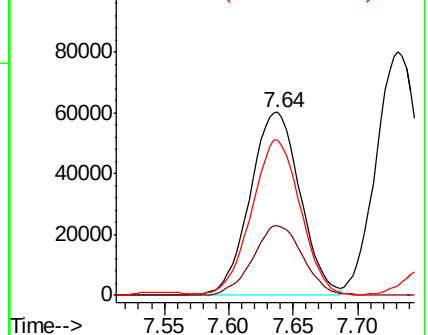
84 83.5 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN058846.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 21.279 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

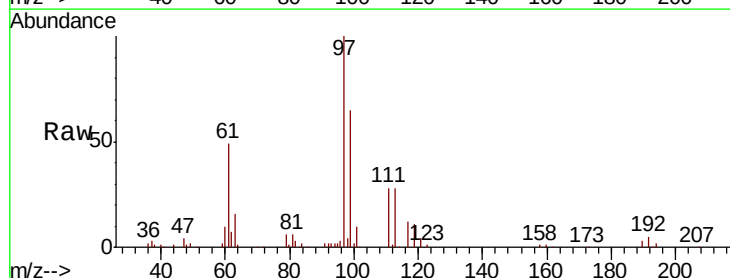
Tgt Ion: 97 Resp: 154455

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

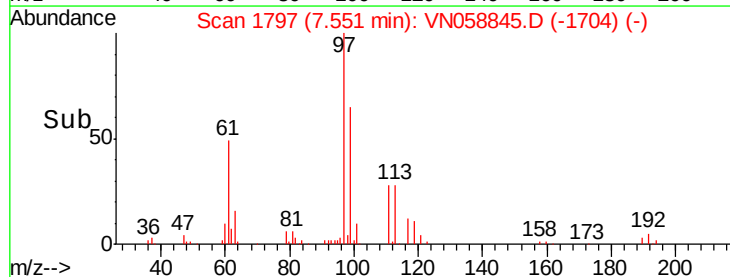
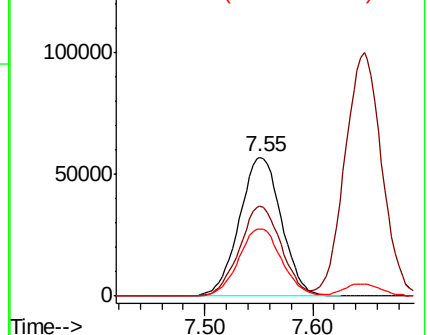
61 49.2 38.6 58.0

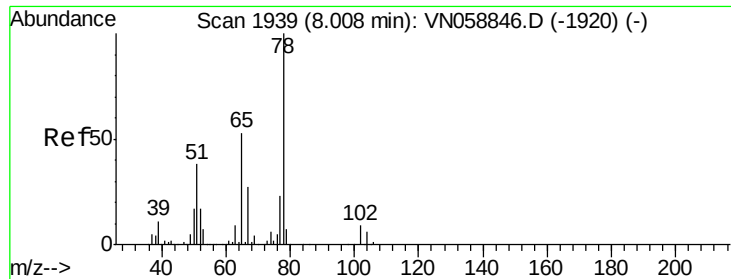


Abundance Ion 96.90 (96.60 to 97.60): VN058846.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1775) (-)

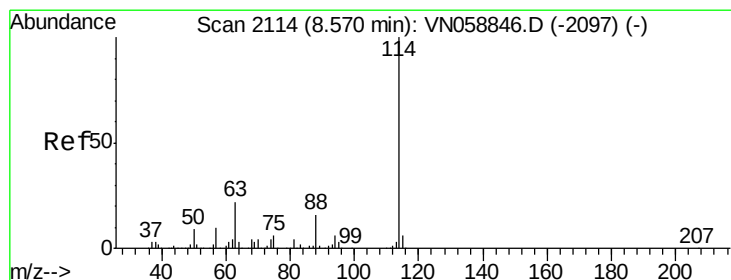
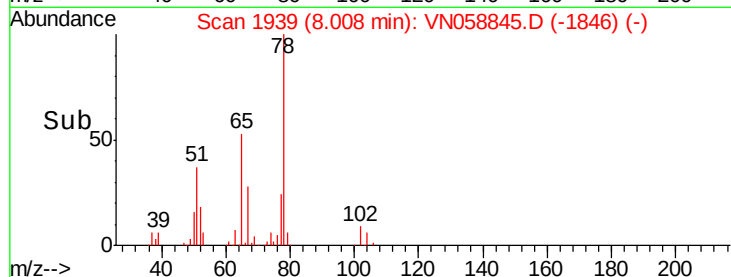
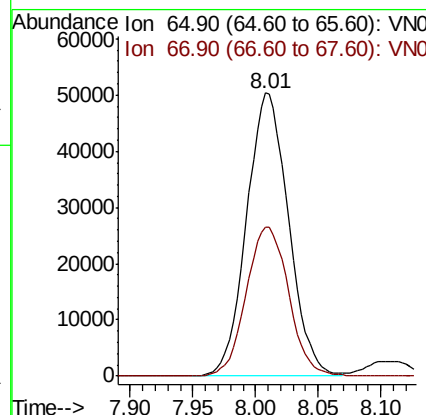
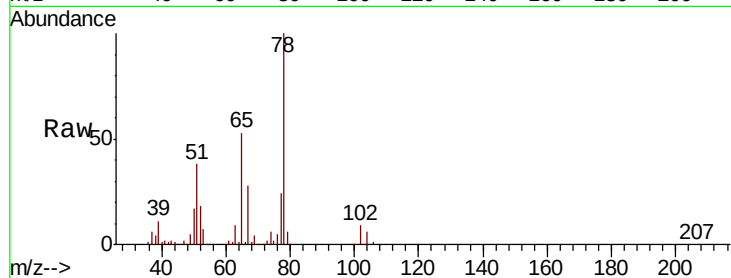




#33
 1,2-Dichloroethane-d4
 Concen: 21.163 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

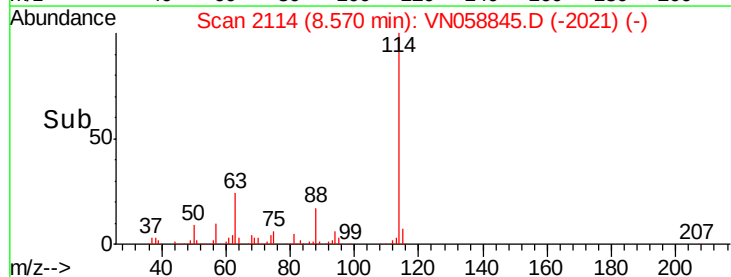
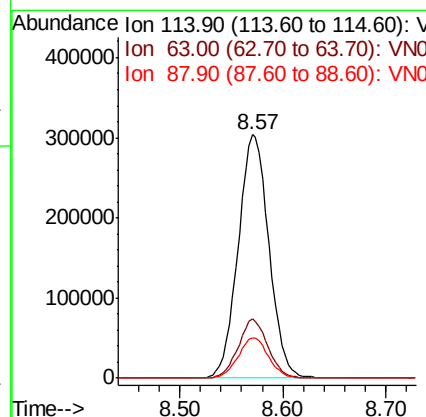
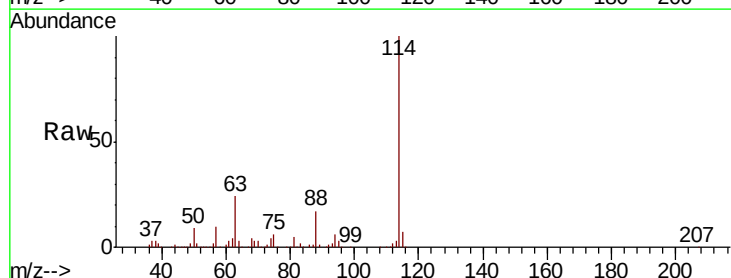
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

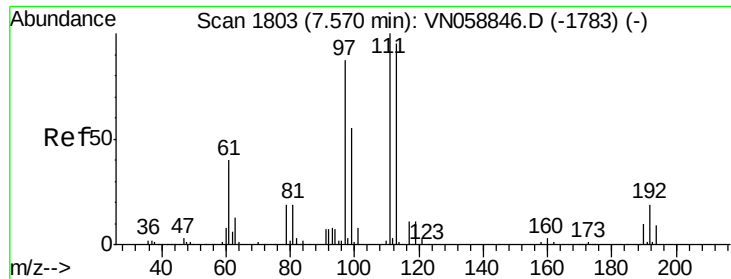
Tot Ion: 65 Resp: 117237
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion: 114 Resp: 630021
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 44.4
 88 16.6 0.0 31.4

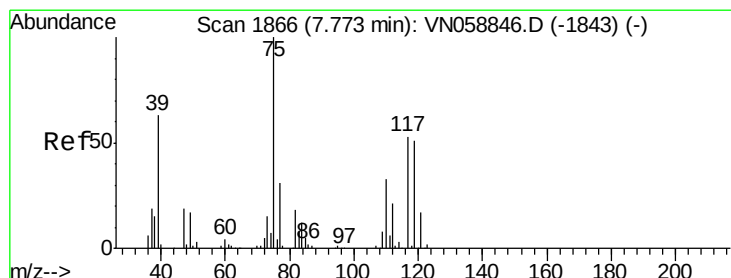
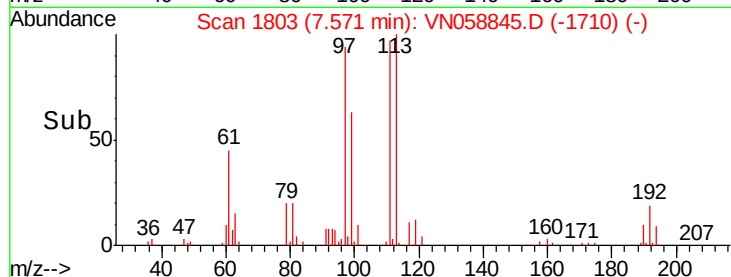
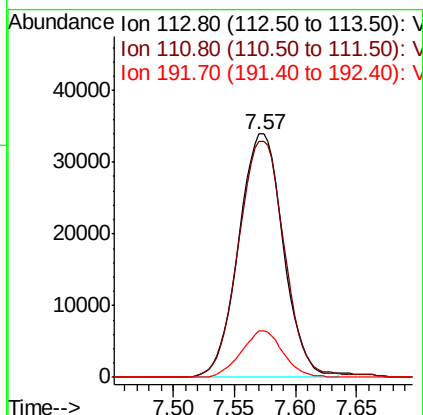
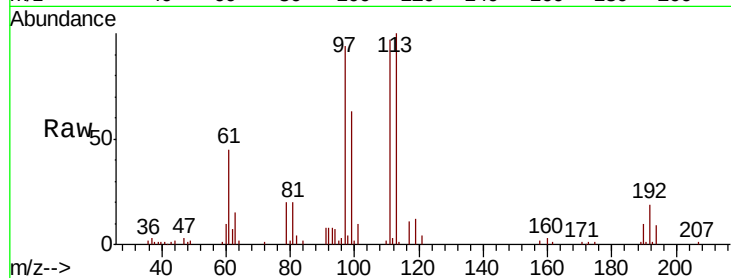




#35
 Dibromofluoromethane
 Concen: 21.801 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

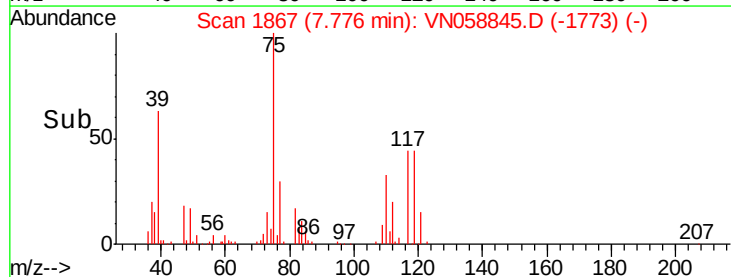
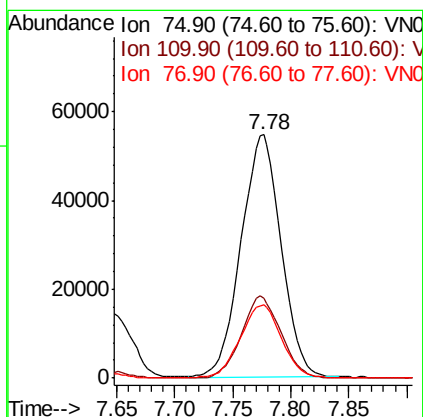
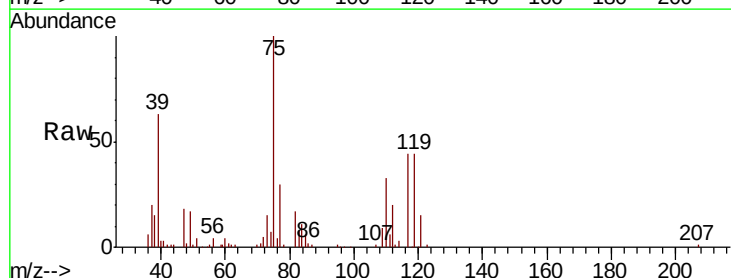
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

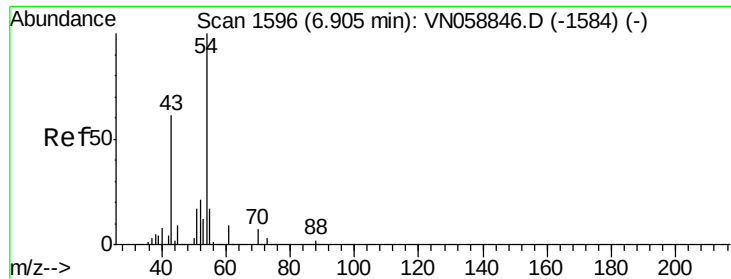
Tot Ion:113 Resp: 85858
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.0 123.0
 192 18.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 20.358 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion: 75 Resp: 130975
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.3 48.9
 77 31.2 24.6 36.8

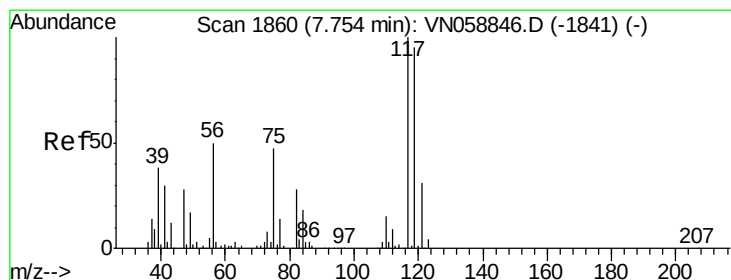
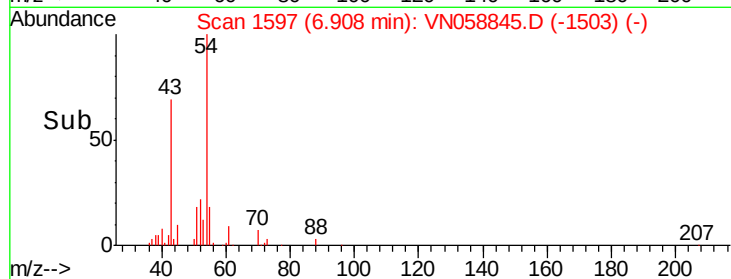
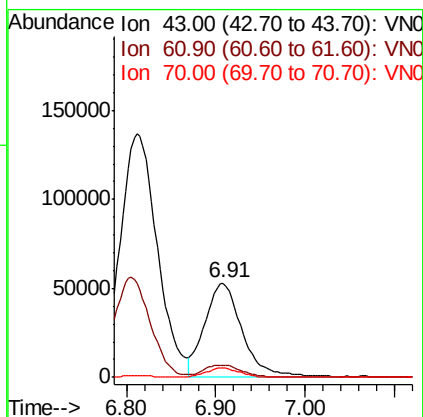
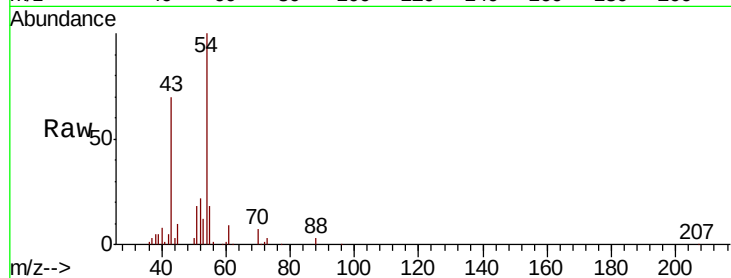




#37
Ethyl Acetate
Concen: 23.057 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

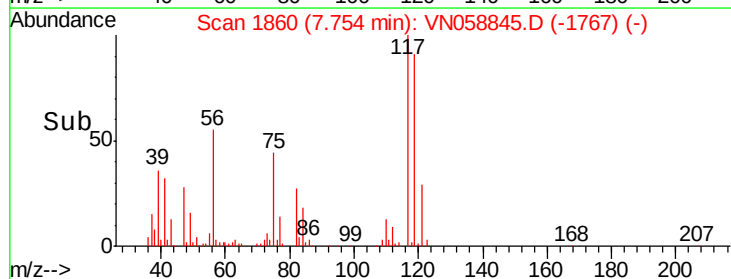
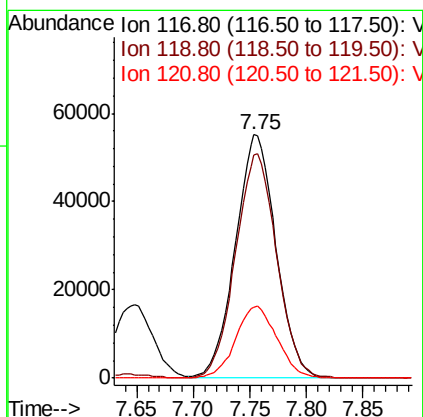
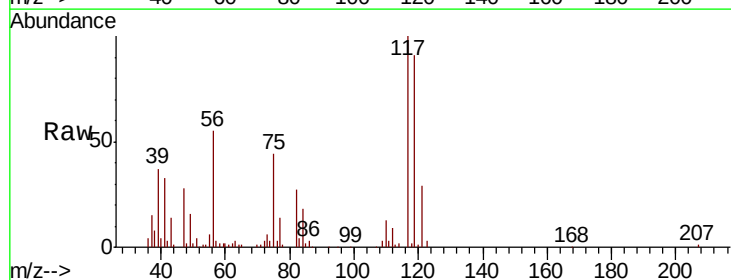
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

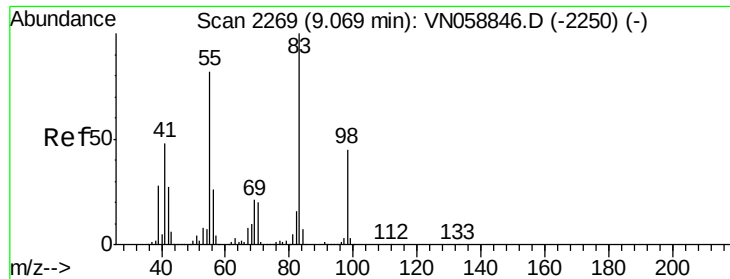
Tot Ion: 43 Resp: 151680
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.949 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 117 Resp: 137596
Ion Ratio Lower Upper
117 100
119 91.2 75.7 113.5
121 29.2 25.0 37.6

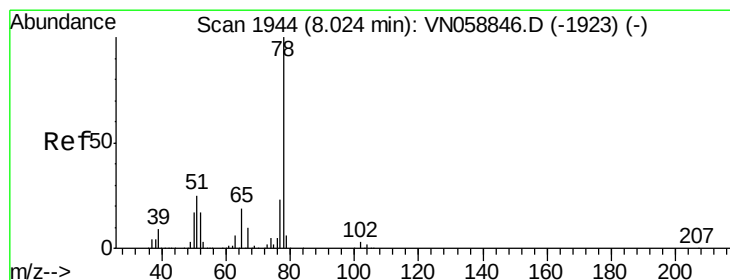
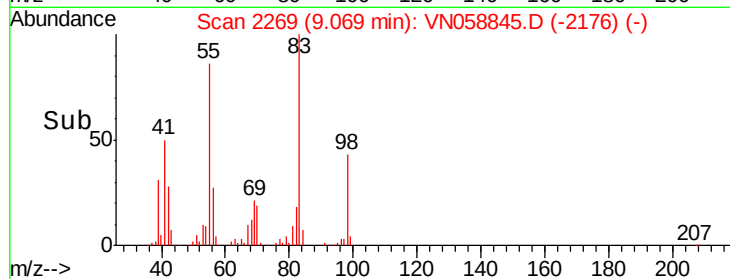
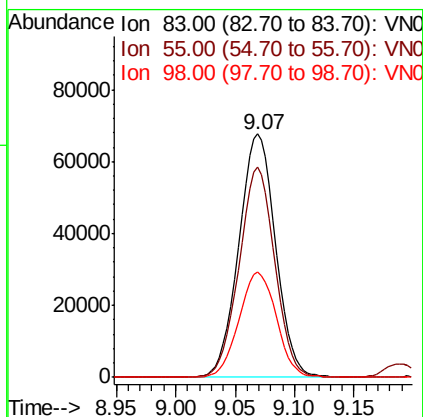
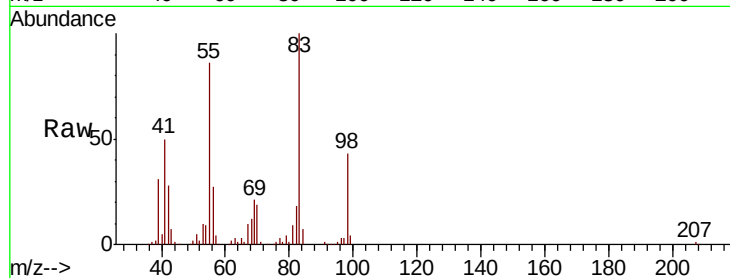




#39
Methylvlcyclohexane
Concen: 19.496 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

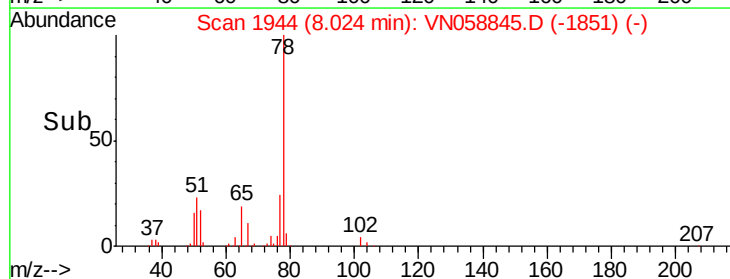
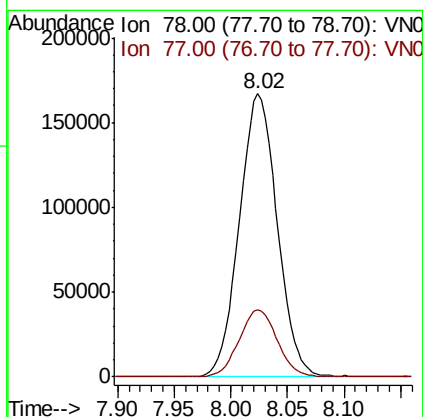
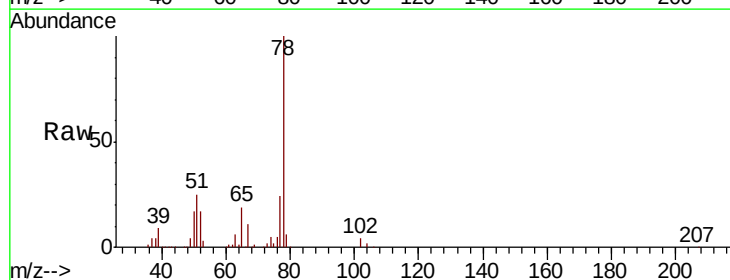
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

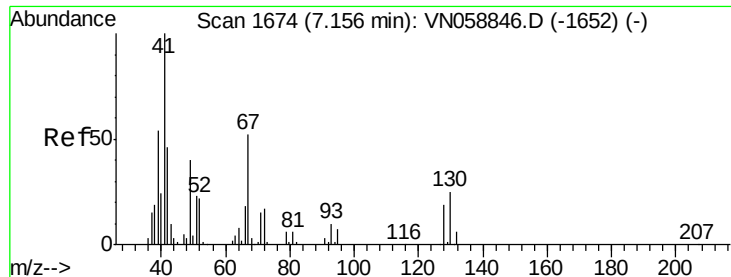
Tot Ion: 83 Resp: 144768
Ion Ratio Lower Upper
83 100
55 86.4 65.5 98.3
98 43.1 35.7 53.5



#40
Benzene
Concen: 21.017 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 78 Resp: 389177
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2

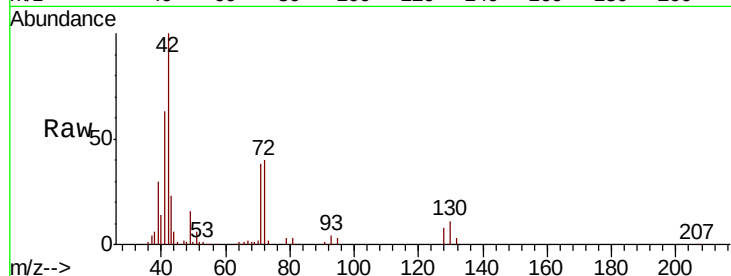




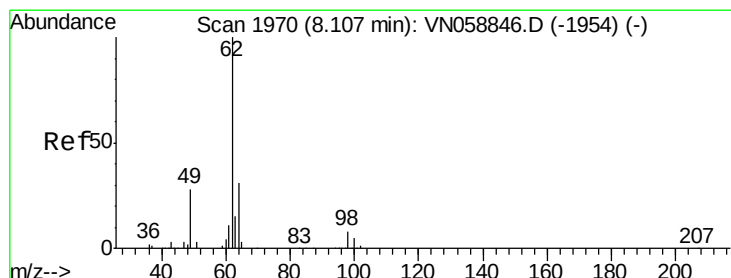
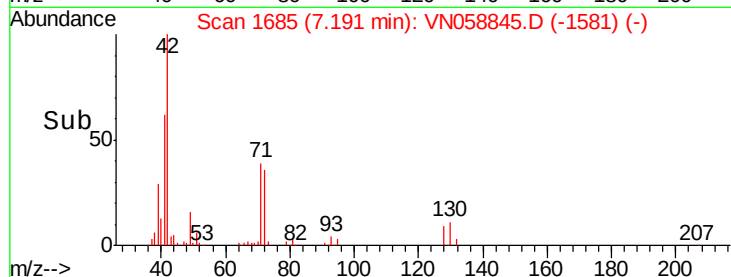
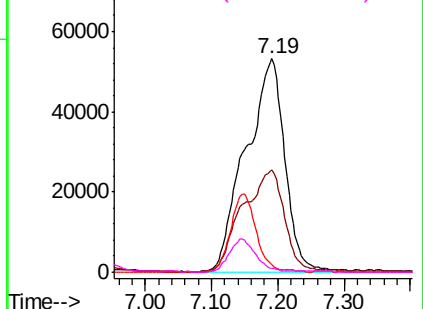
#41
Methacrylonitrile
Concen: 73.244 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	218628
Ion	Ratio	Lower	Upper
41	100		
39	51.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

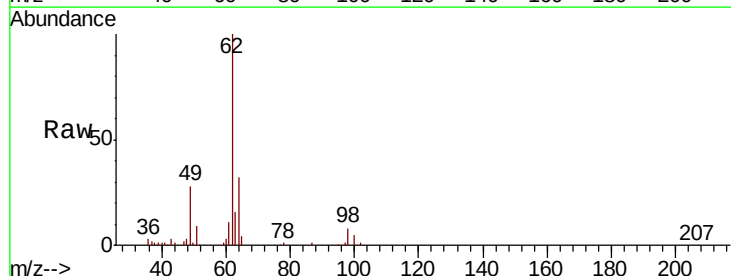


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

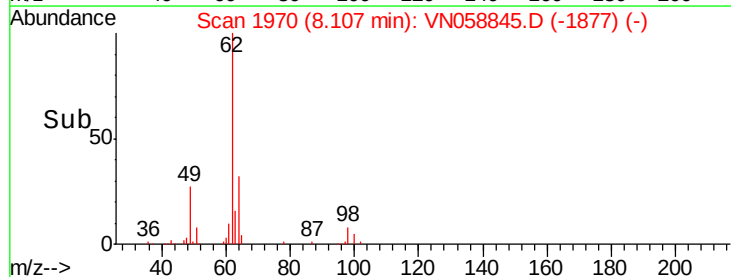
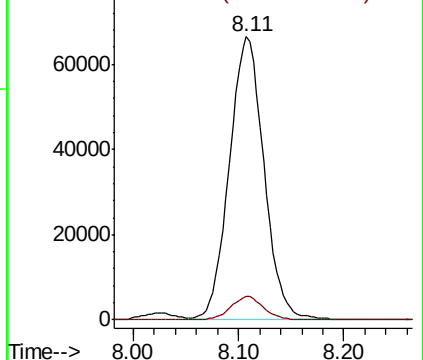


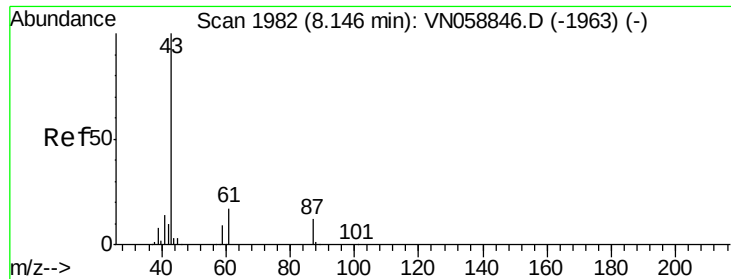
#42
1,2-Dichloroethane
Concen: 21.218 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion:	62	Resp:	150749
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.977 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

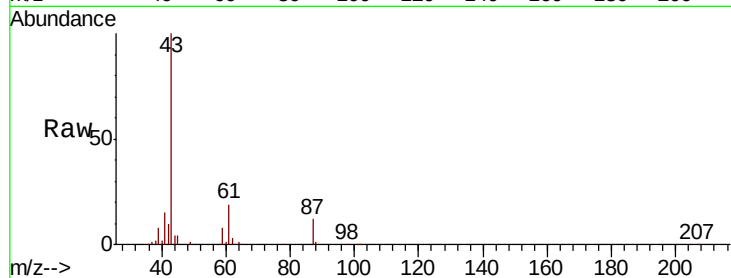
Tot Ion: 43 Resp: 233265

Ion Ratio Lower Upper

43 100

61 25.1 20.2 30.2

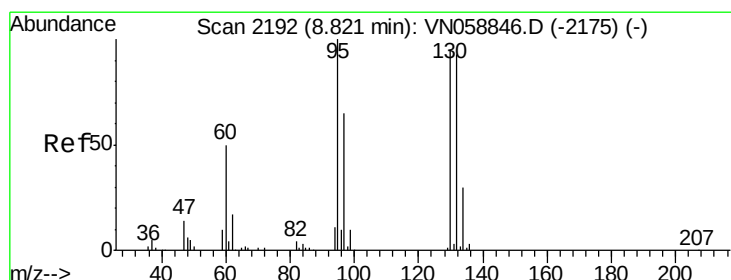
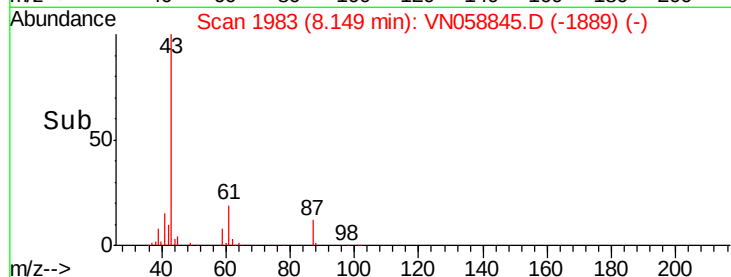
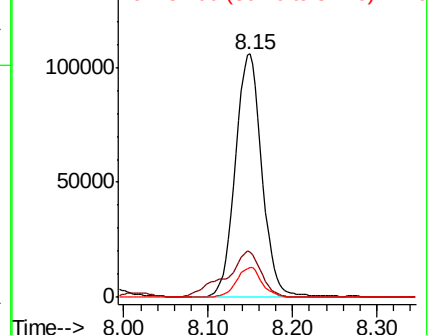
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.684 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058845.D

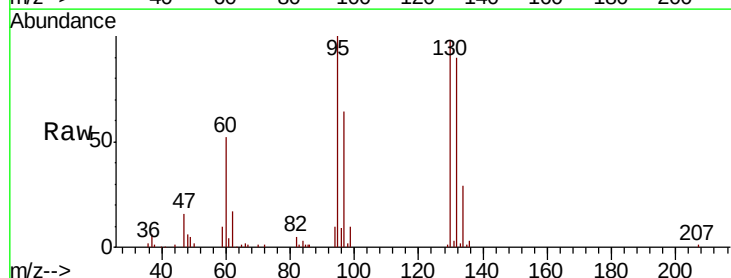
Acq: 18 Oct 2019 9:37

Tgt Ion:130 Resp: 94594

Ion Ratio Lower Upper

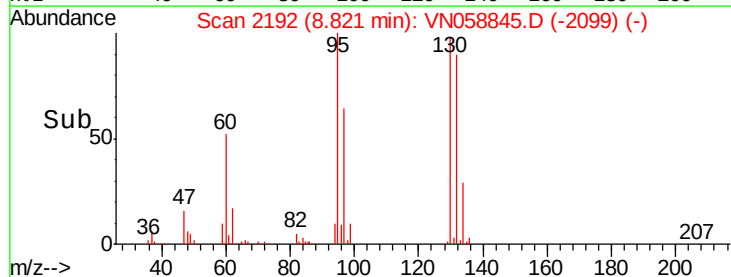
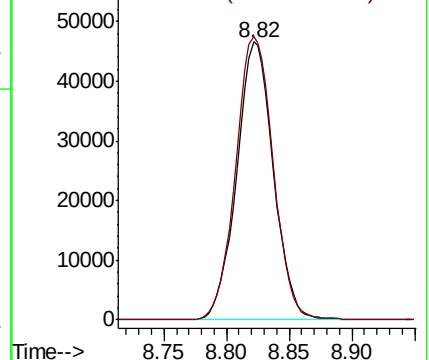
130 100

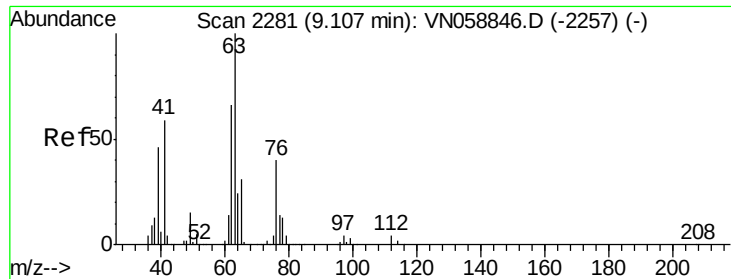
95 101.9 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

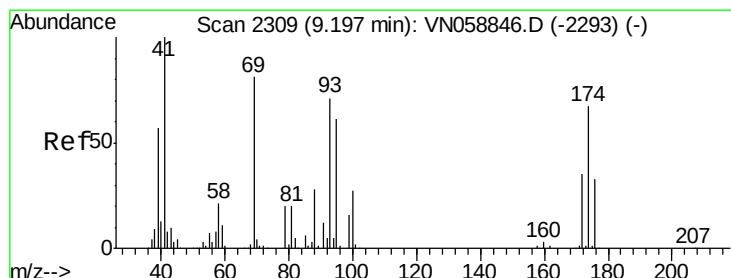
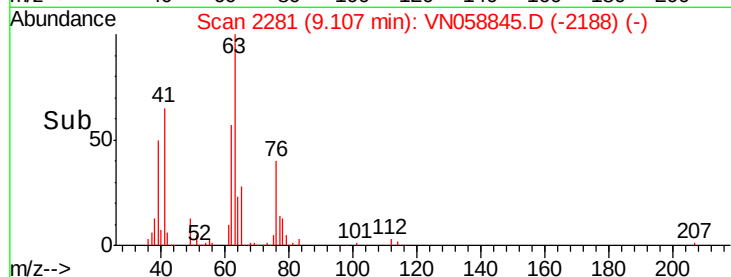
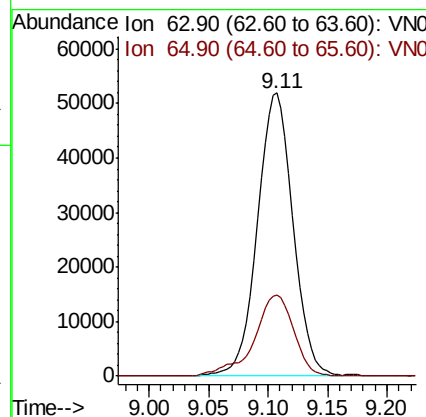
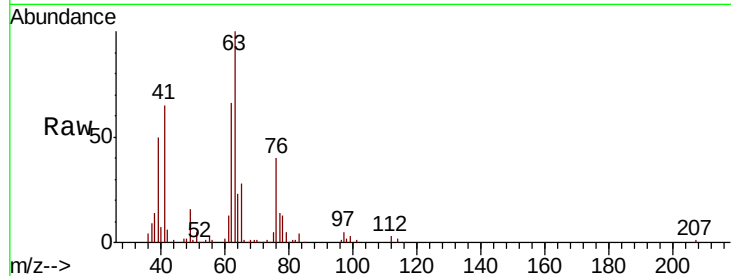




#45
 1,2-Dichloropropane
 Concen: 21.646 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

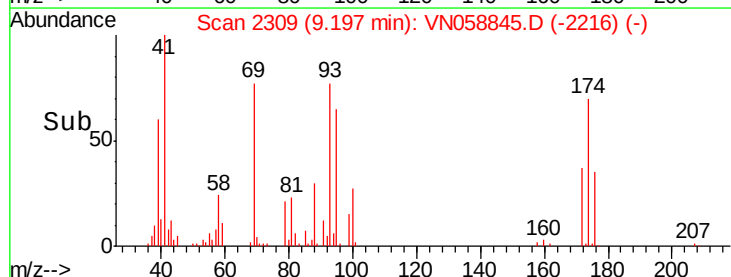
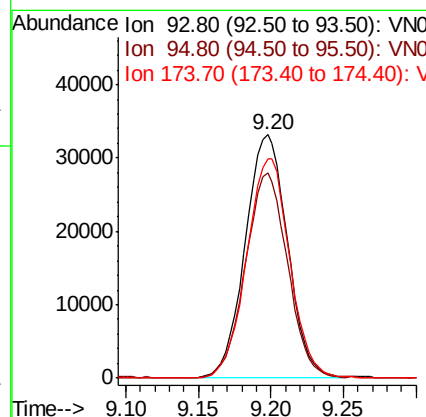
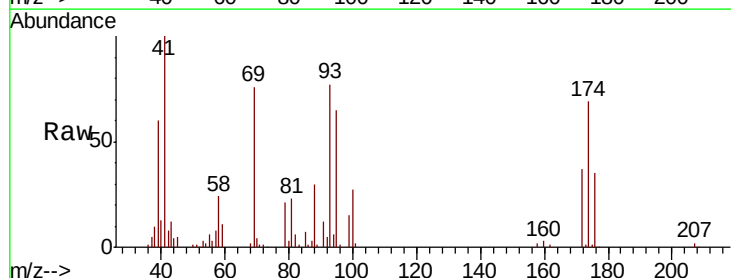
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

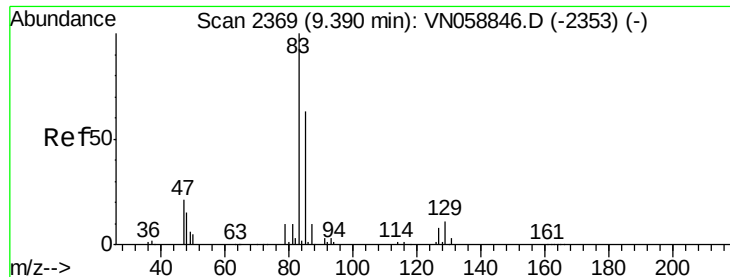
Tot Ion: 63 Resp: 107452
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.5 36.7



#46
 Dibromomethane
 Concen: 21.471 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion: 93 Resp: 67343
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.6 101.4
 174 91.5 74.1 111.1

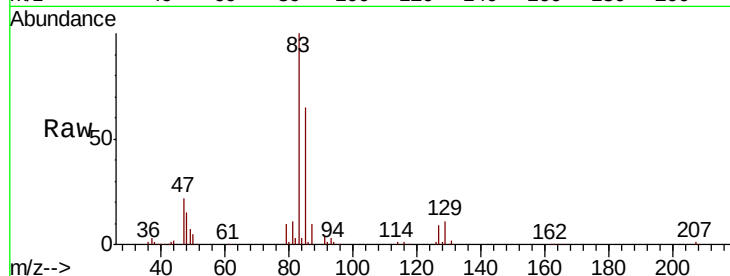




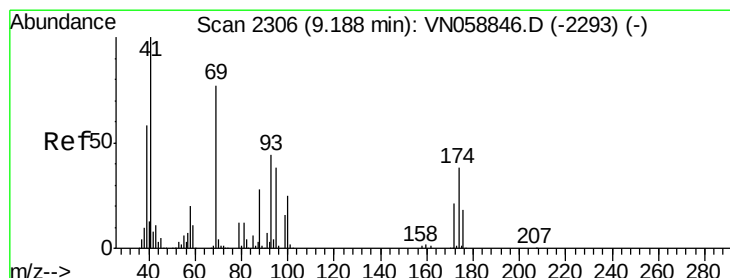
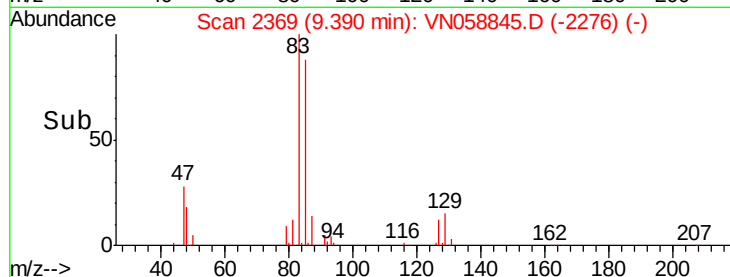
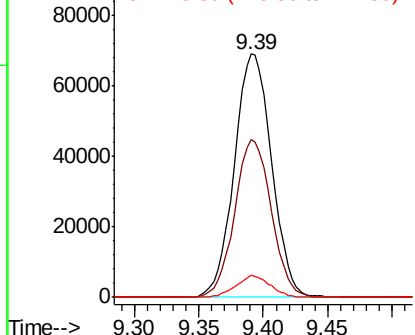
#47
Bromodichloromethane
Concen: 21.755 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 139244
Ion Ratio Lower Upper
83 100
85 64.8 50.6 75.8
127 8.9 6.5 9.7

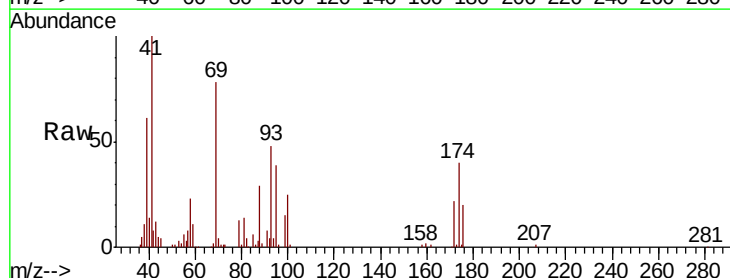


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

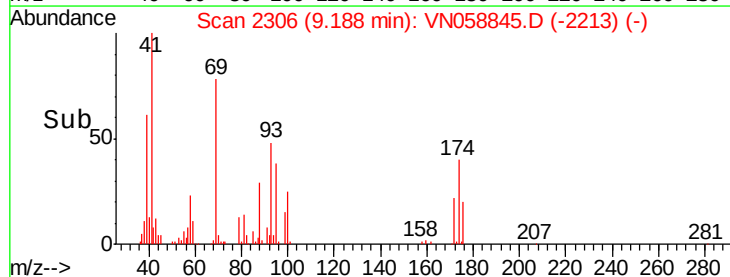
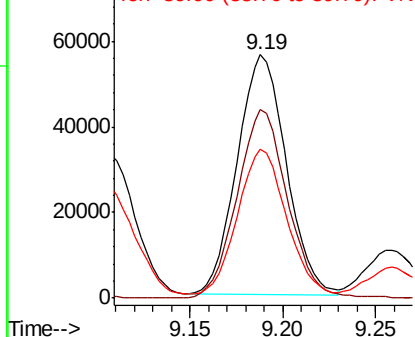


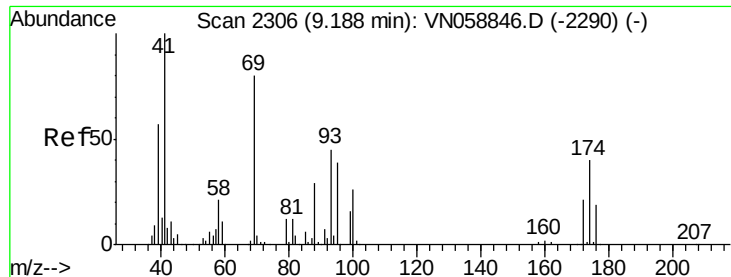
#48
Methyl methacrylate
Concen: 20.519 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 41 Resp: 103723
Ion Ratio Lower Upper
41 100
69 80.6 63.8 95.6
39 62.4 47.8 71.8



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

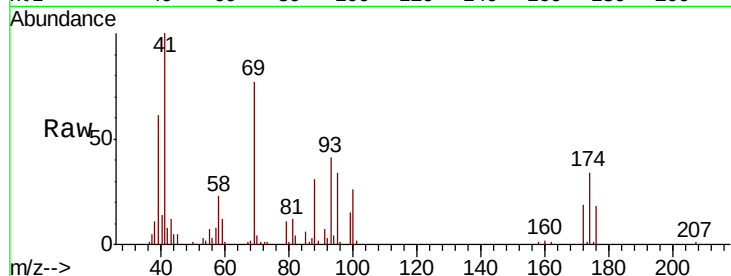




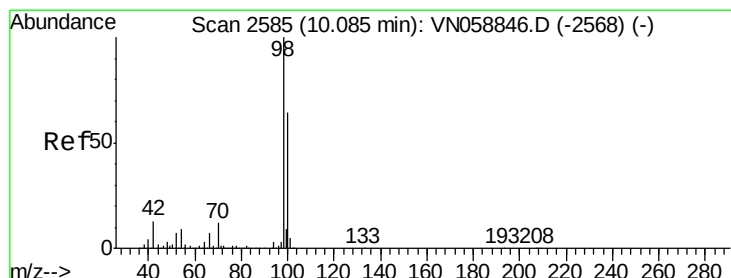
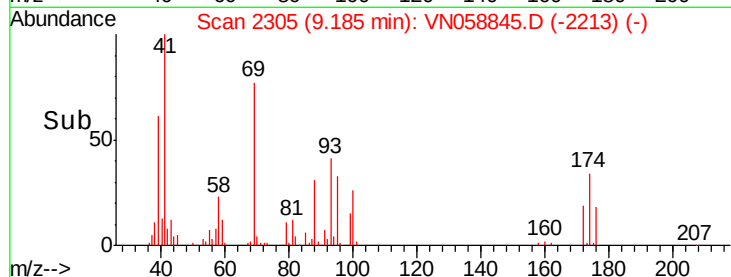
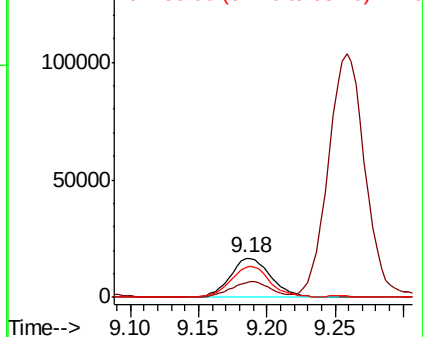
#49
1,4-Dioxane
Concen: 440.740 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 88 Resp: 34665
Ion Ratio Lower Upper
88 100
43 39.2 29.1 43.7
58 76.3 59.4 89.0

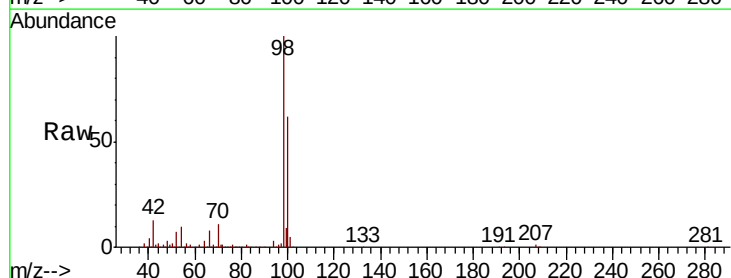


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

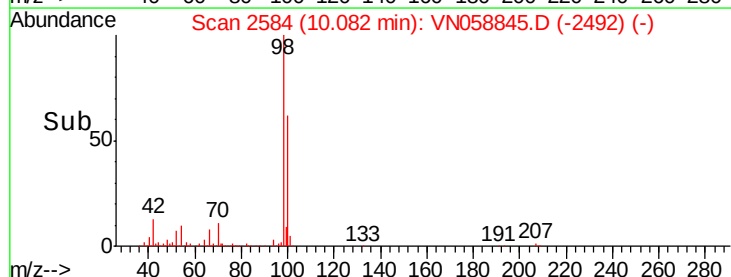
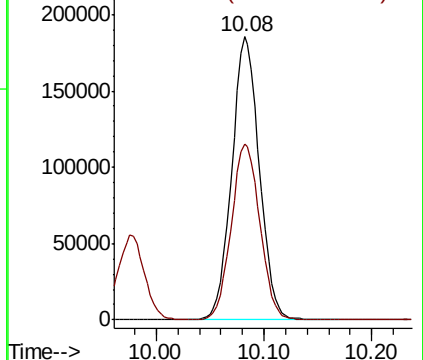


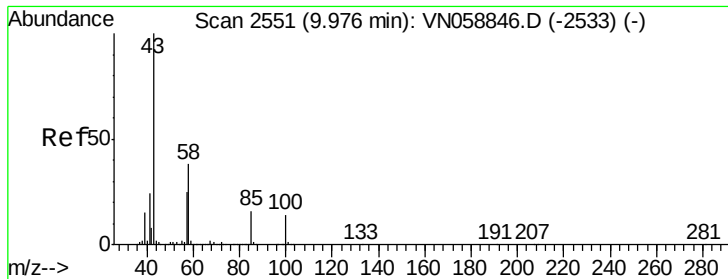
#50
Toluene-d8
Concen: 21.072 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 98 Resp: 330433
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 120.078 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

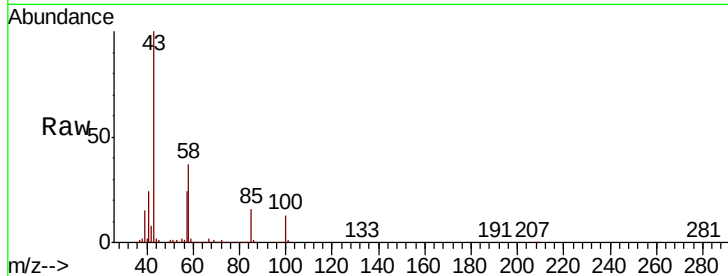
VSTDIC020

Tot Ion: 43 Resp: 754955

Ion Ratio Lower Upper

43 100

58 36.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

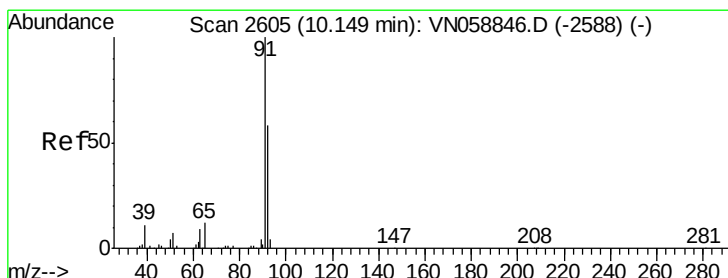
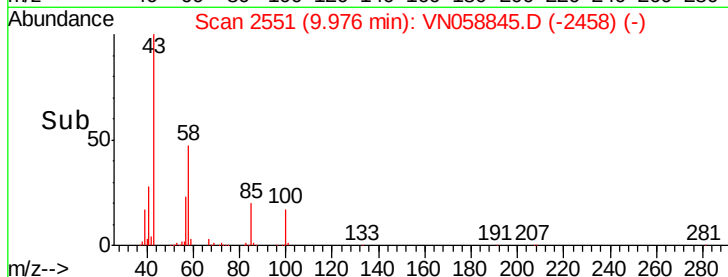
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.216 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058845.D

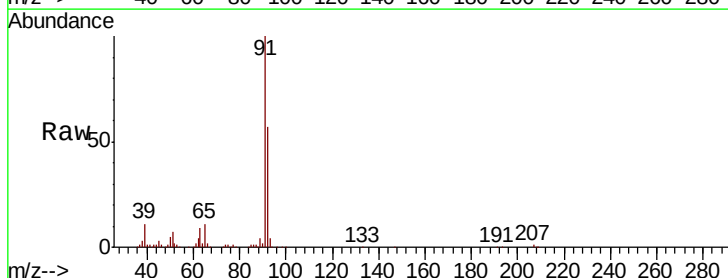
Acq: 18 Oct 2019 9:37

Tgt Ion: 92 Resp: 239780

Ion Ratio Lower Upper

92 100

91 175.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

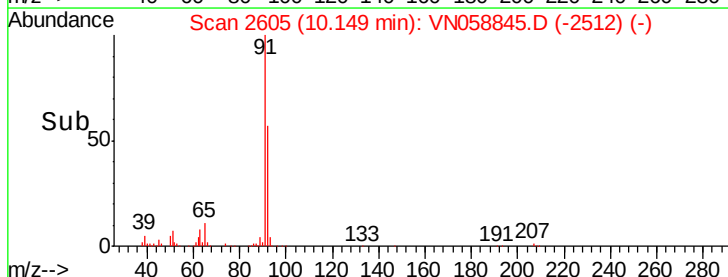
150000

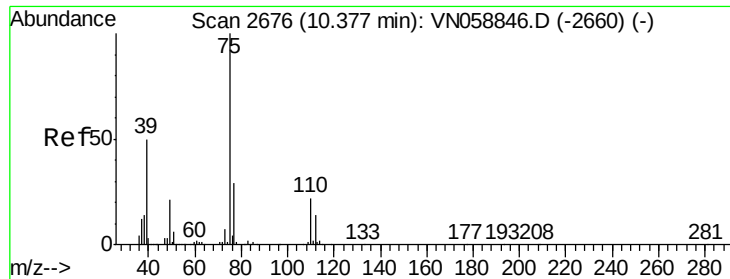
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.797 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

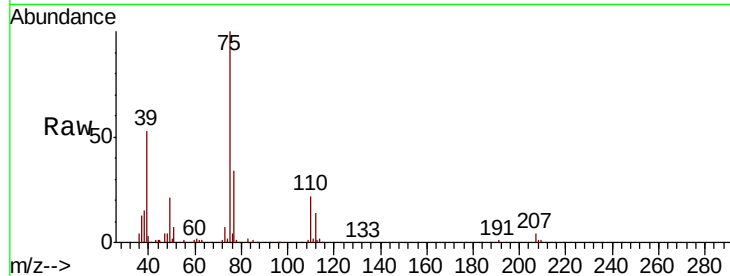
VSTDIC020

Tot Ion: 75 Resp: 152554

Ion Ratio Lower Upper

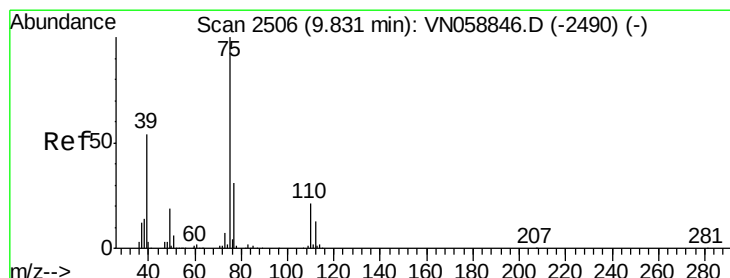
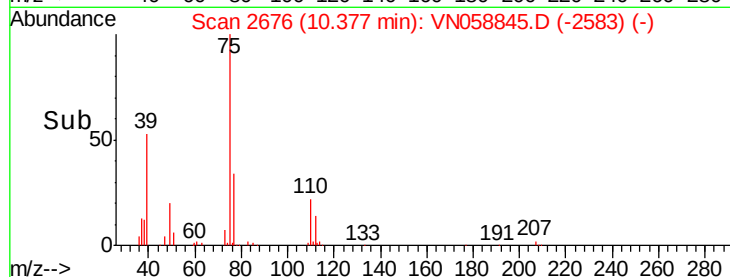
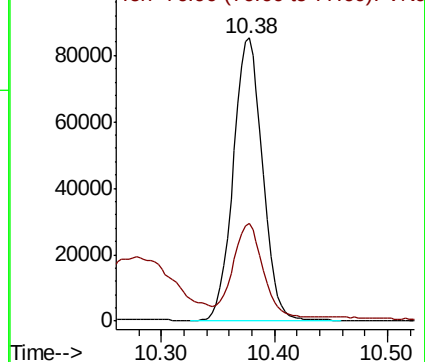
75 100

77 32.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.063 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

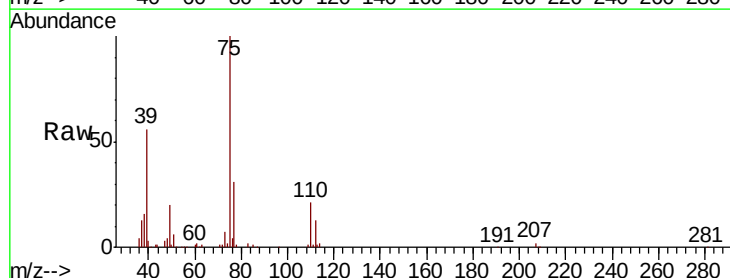
Tgt Ion: 75 Resp: 164288

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

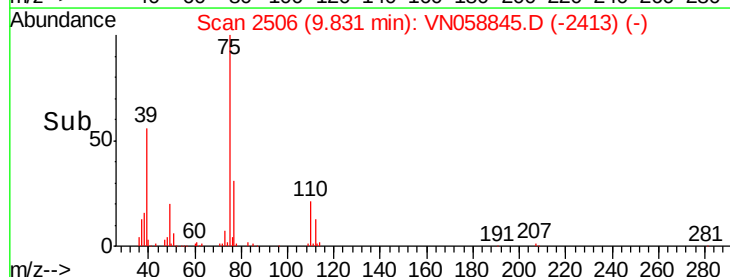
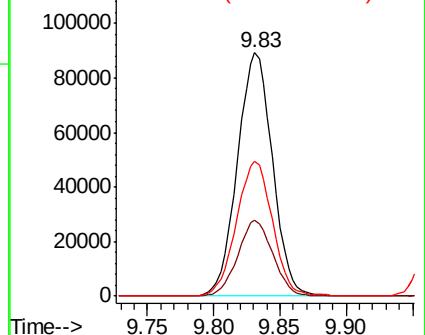
39 55.4 43.5 65.3

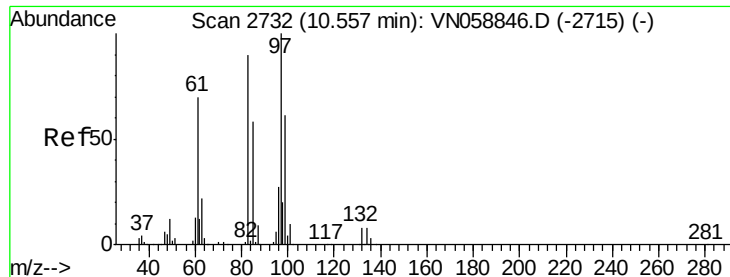


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.785 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 96206

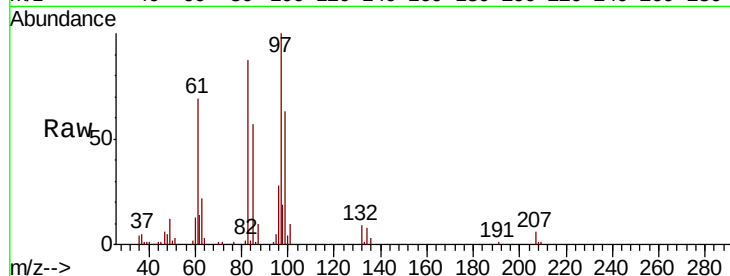
Ion Ratio Lower Upper

97 100

83 86.5 72.2 108.4

85 56.5 46.2 69.2

99 63.1 48.7 73.1



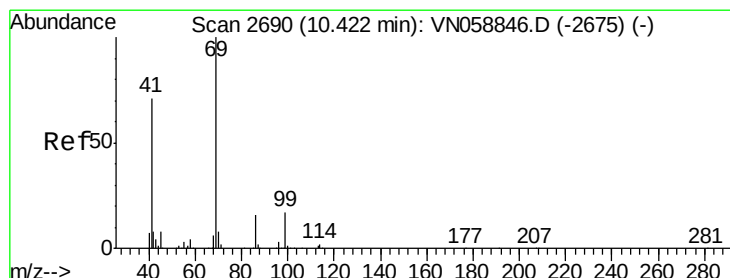
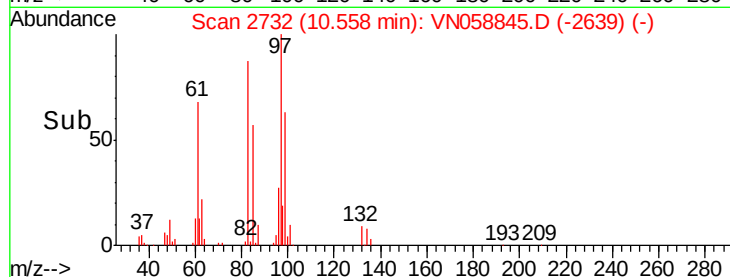
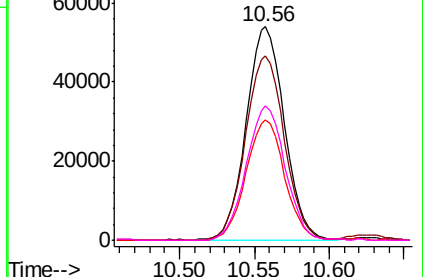
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.230 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

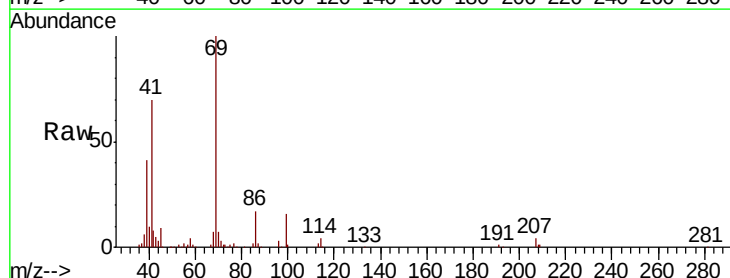
Tgt Ion: 69 Resp: 143569

Ion Ratio Lower Upper

69 100

41 69.6 57.2 85.8

39 39.6 31.0 46.4

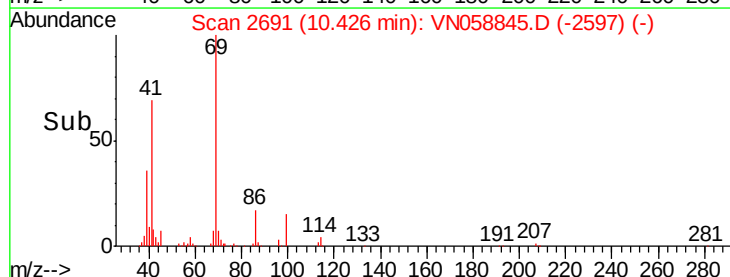
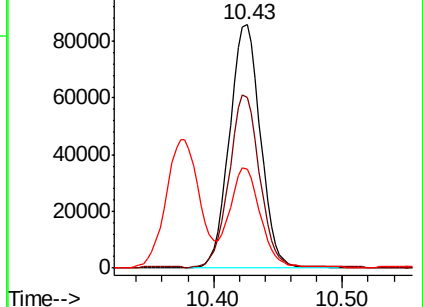


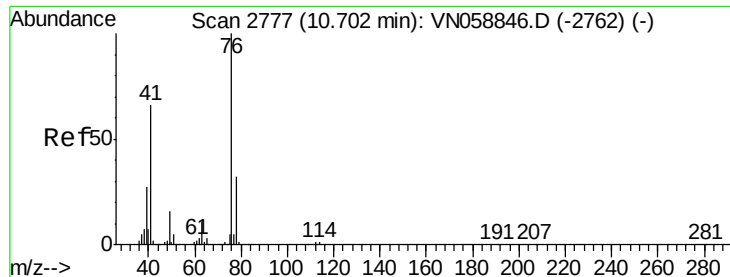
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.437 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

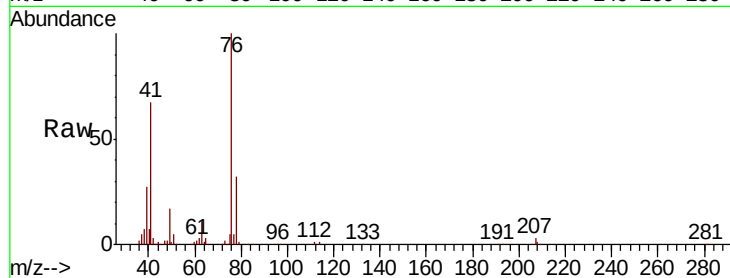
VSTDIC020

Tot Ion: 76 Resp: 169442

Ion Ratio Lower Upper

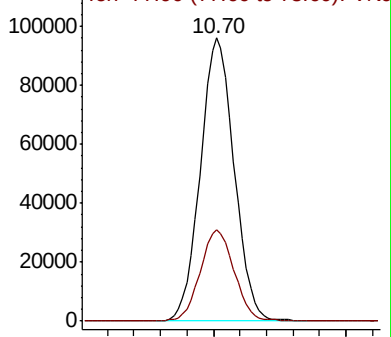
76 100

78 32.5 25.4 38.0

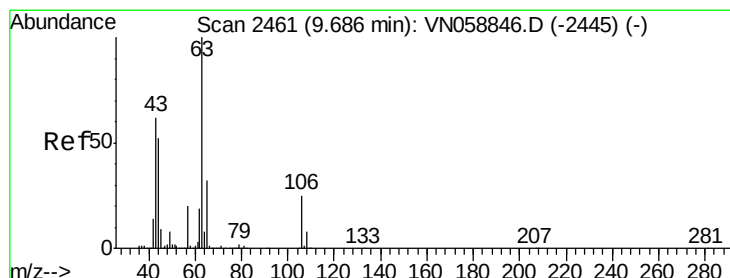
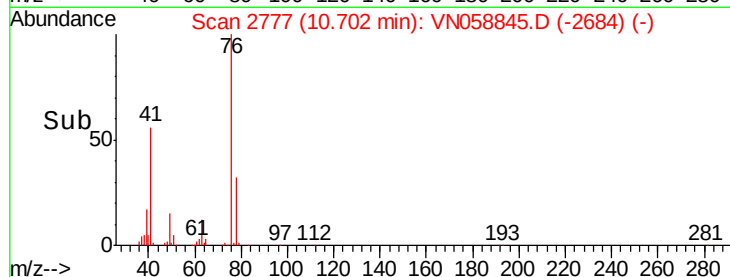


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 97.268 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058845.D

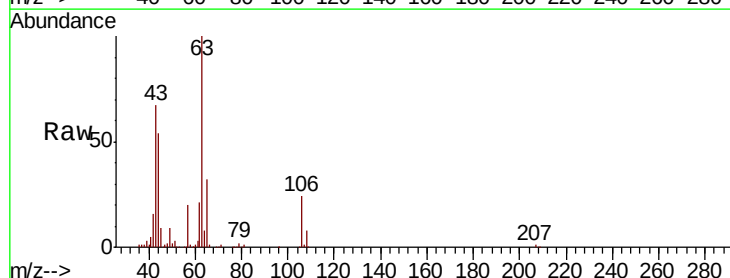
Acq: 18 Oct 2019 9:37

Tgt Ion: 63 Resp: 311098

Ion Ratio Lower Upper

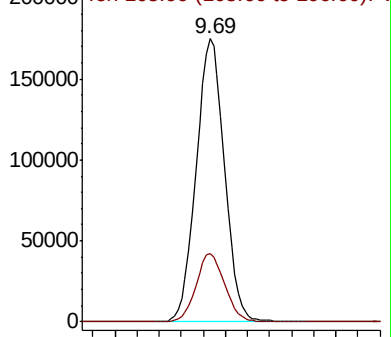
63 100

106 24.4 19.8 29.8

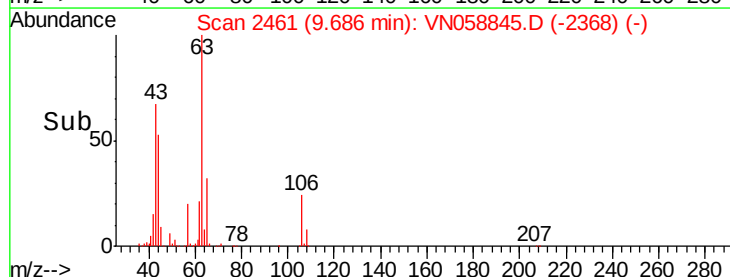


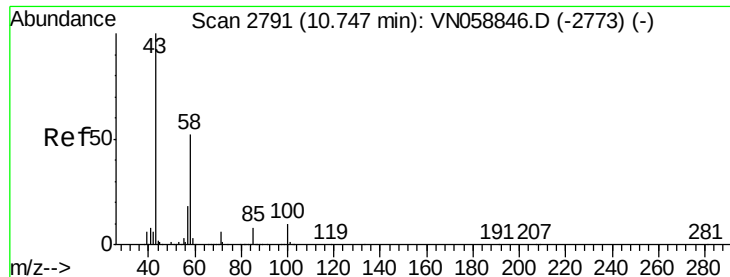
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->

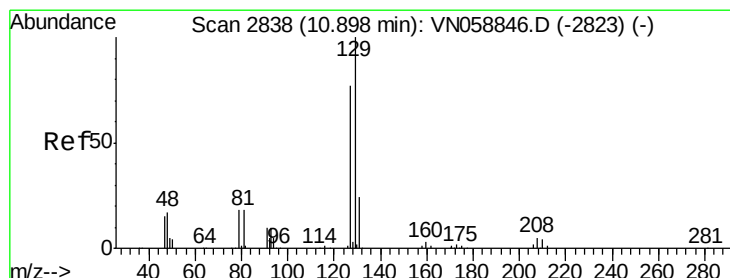
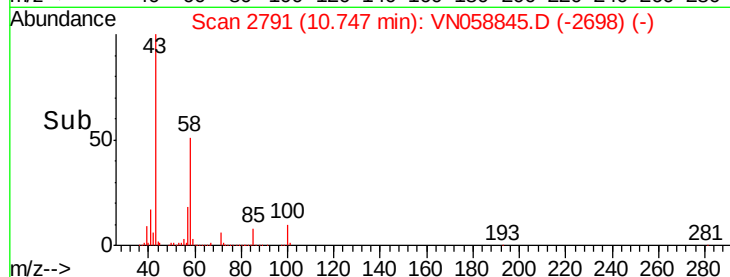
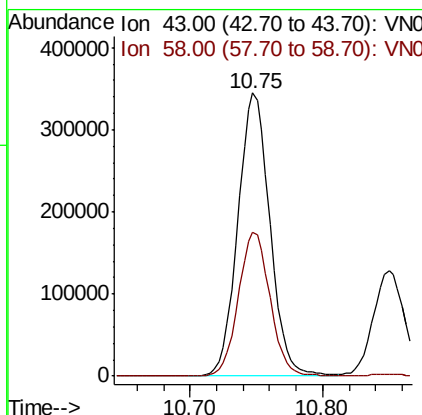
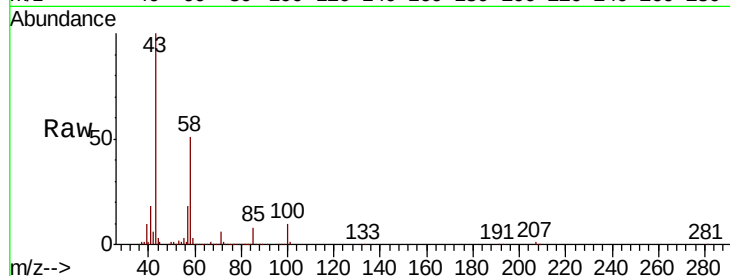




#59
2-Hexanone
Concen: 118.495 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

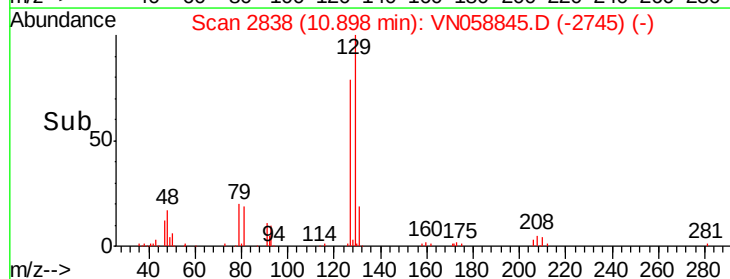
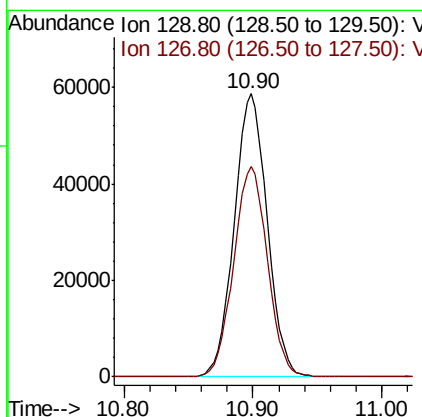
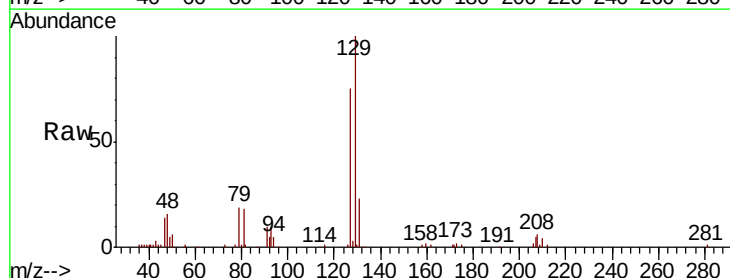
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

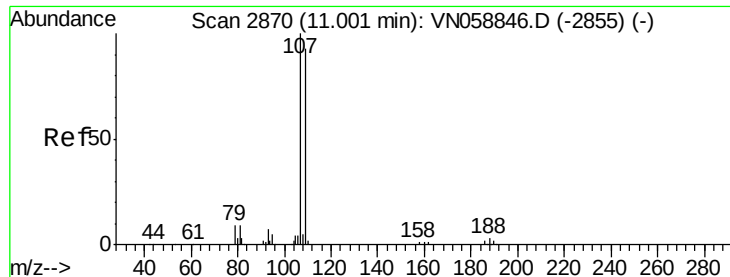
Tot Ion: 43 Resp: 577517
Ion Ratio Lower Upper
43 100
58 50.5 25.9 77.7



#60
Dibromochloromethane
Concen: 21.783 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 129 Resp: 104104
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

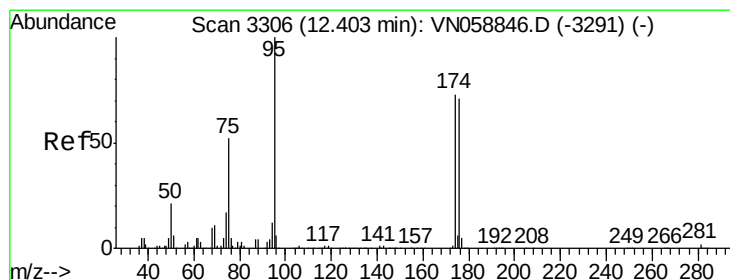
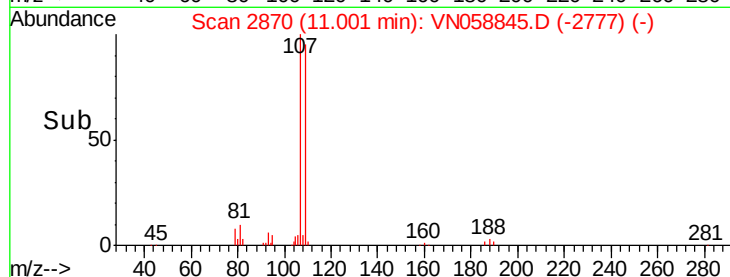
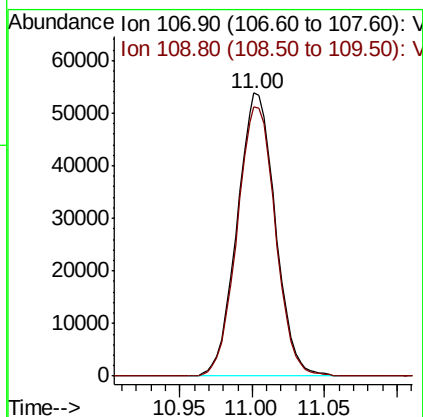
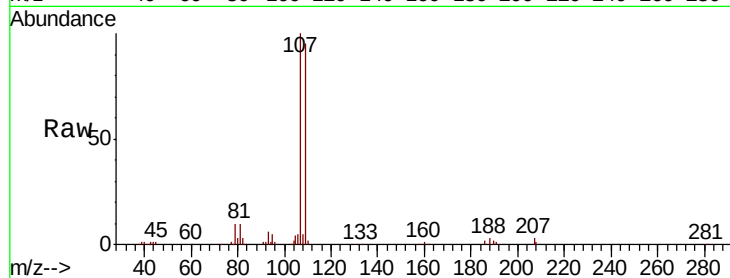




#61
 1,2-Dibromoethane
 Concen: 21.157 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

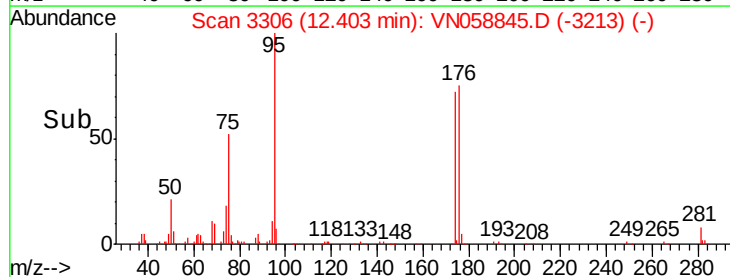
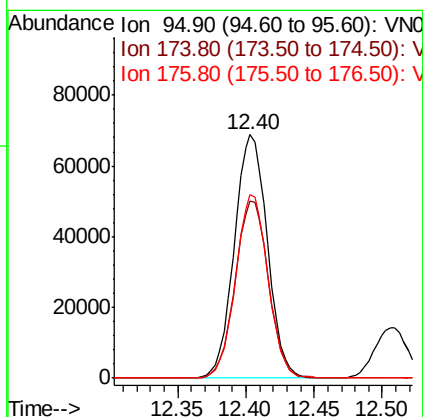
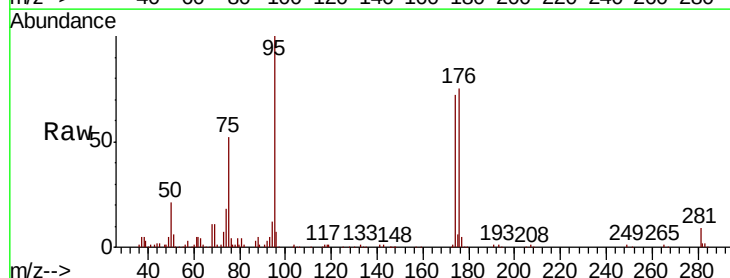
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

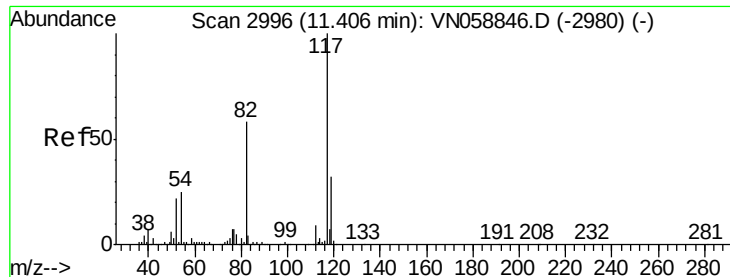
Tot Ion:107 Resp: 98166
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 19.590 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion: 95 Resp: 115649
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 147.6
 176 73.8 0.0 143.2

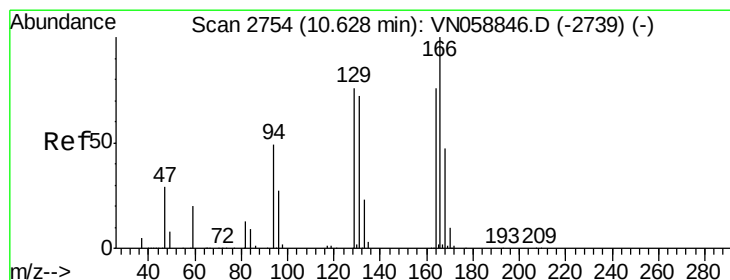
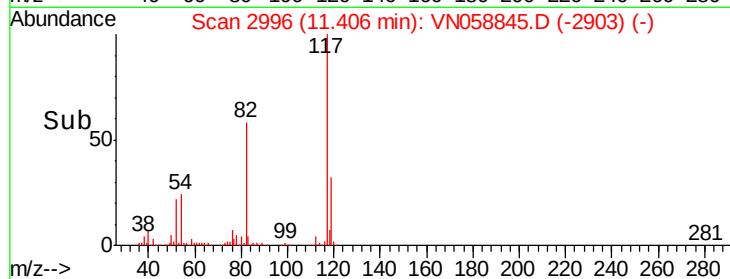
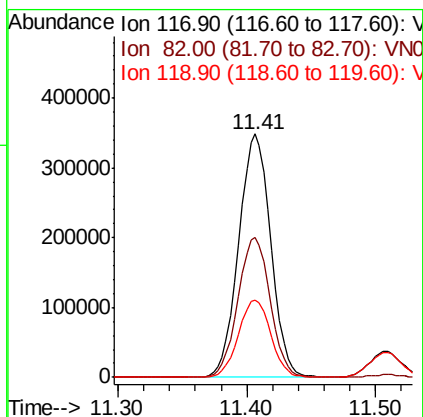
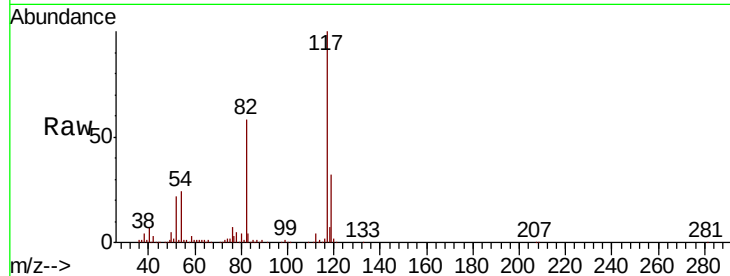




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

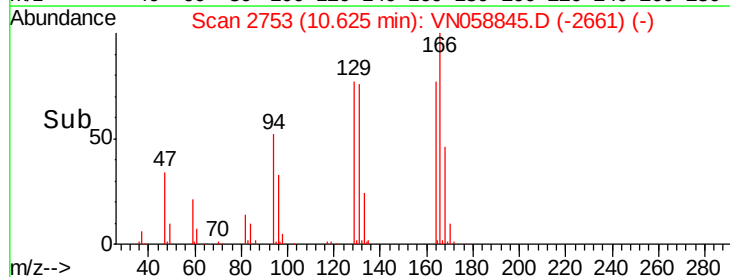
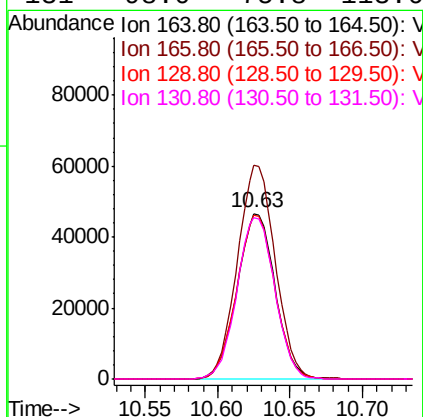
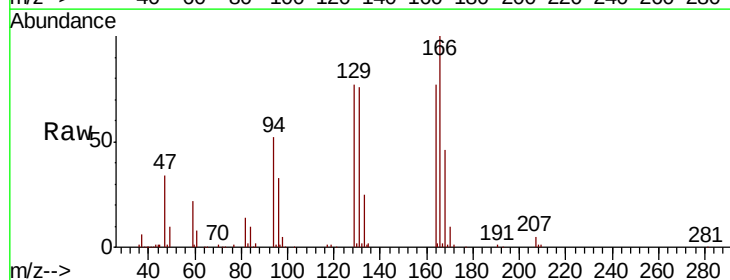
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

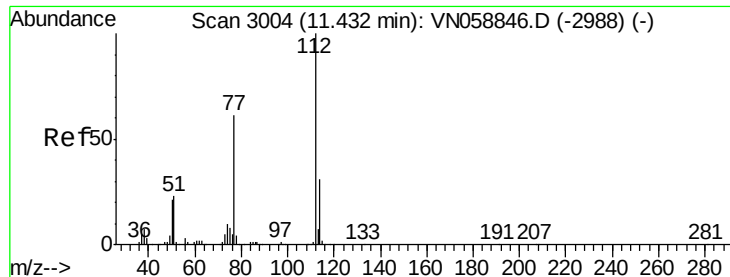
Tot Ion:117 Resp: 603354
Ion Ratio Lower Upper
117 100
82 57.7 46.6 69.8
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 19.935 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion:164 Resp: 84667
Ion Ratio Lower Upper
164 100
166 129.3 104.8 157.2
129 99.4 79.3 118.9
131 98.0 75.8 113.6





#65

Chlorobenzene

Concen: 20.430 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

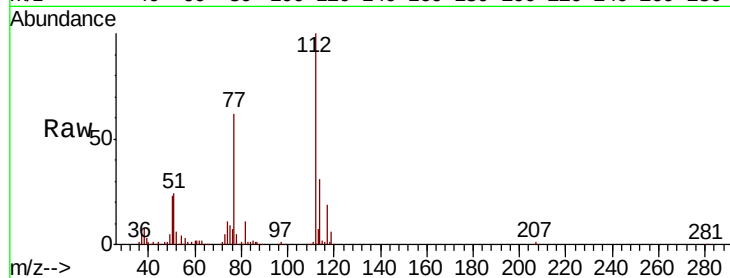
VSTDIC020

Tot Ion:112 Resp: 251794

Ion Ratio Lower Upper

112 100

114 31.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

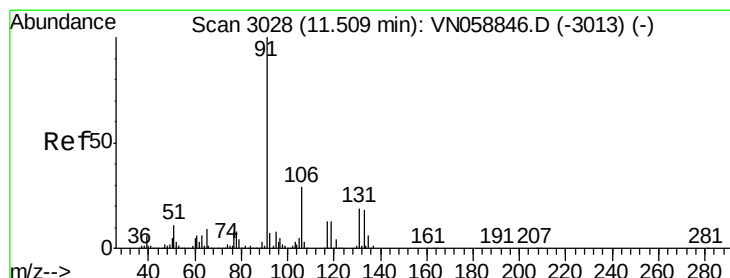
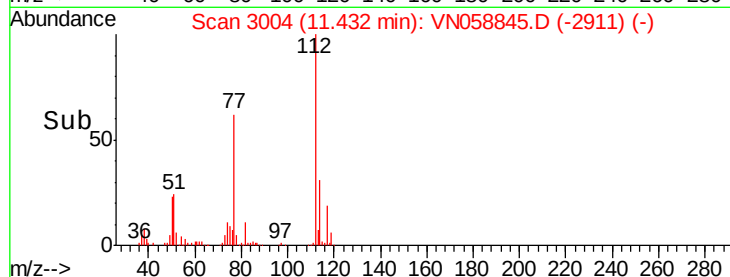
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.753 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

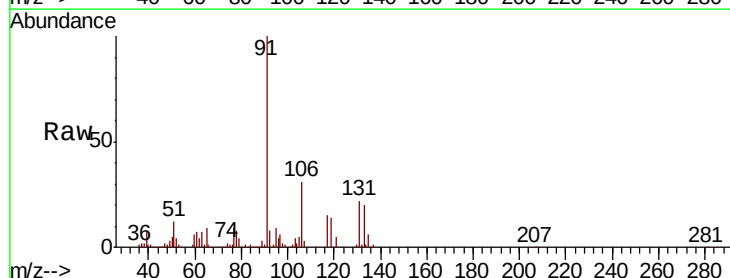
Tgt Ion:131 Resp: 94665

Ion Ratio Lower Upper

131 100

133 92.3 48.4 145.2

119 66.3 33.6 100.8



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

11.51

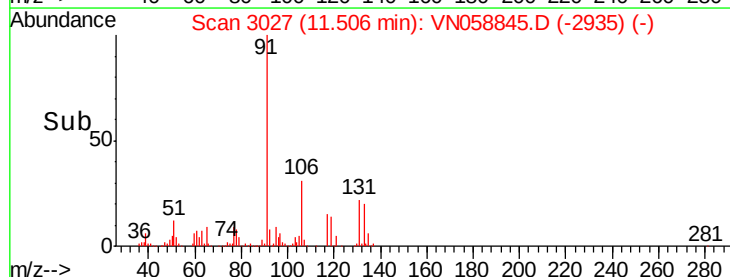
60000

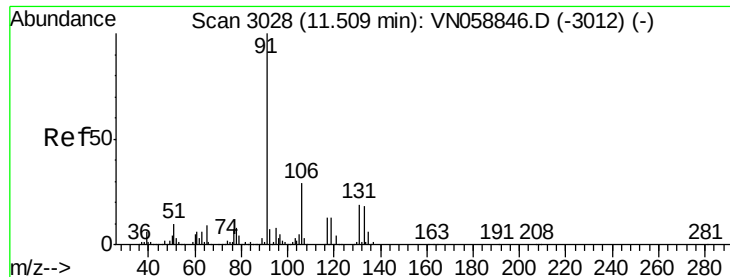
40000

20000

0

Time-->

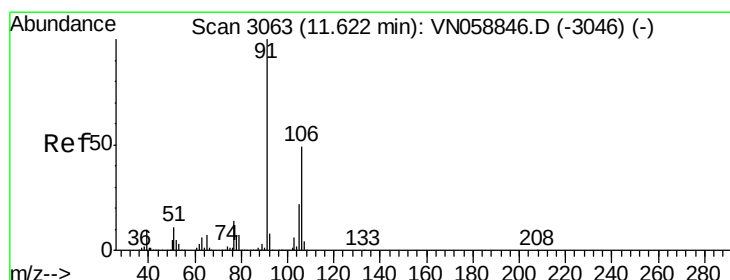
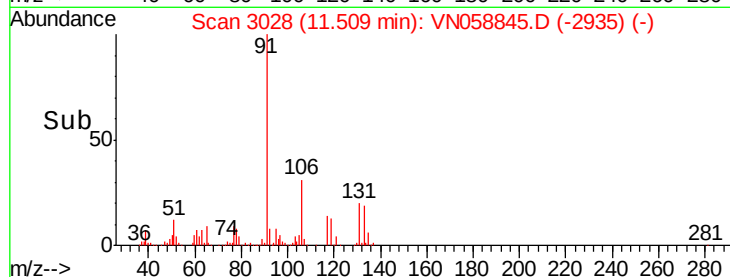
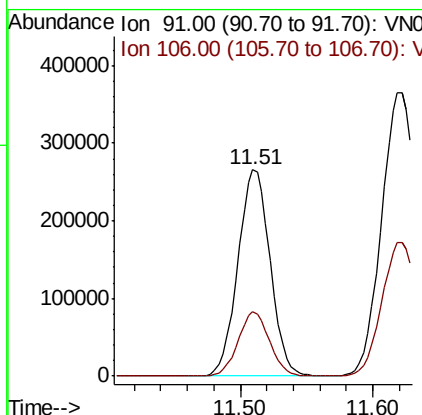
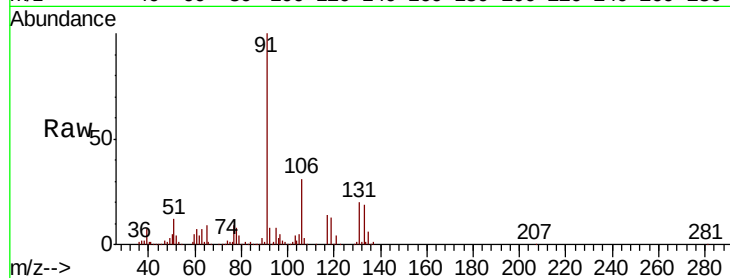




#67
Ethyl Benzene
Concen: 20.381 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

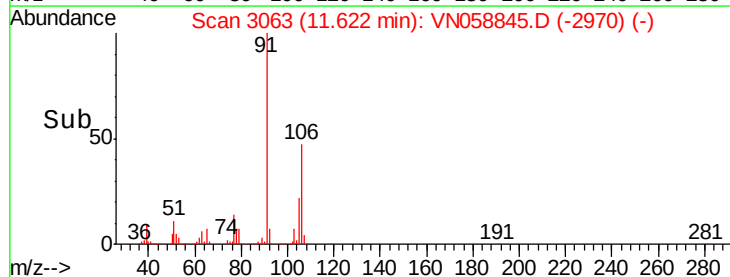
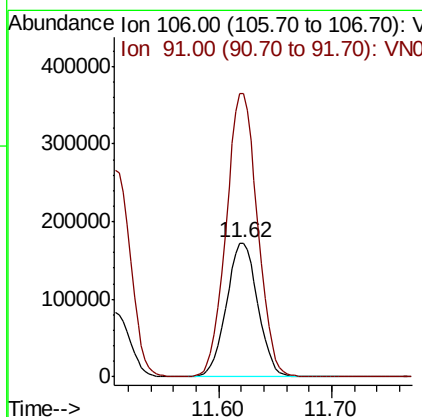
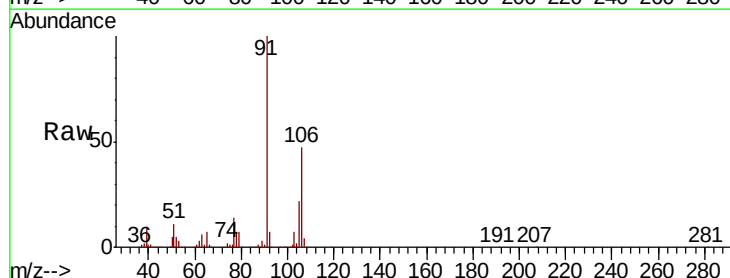
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

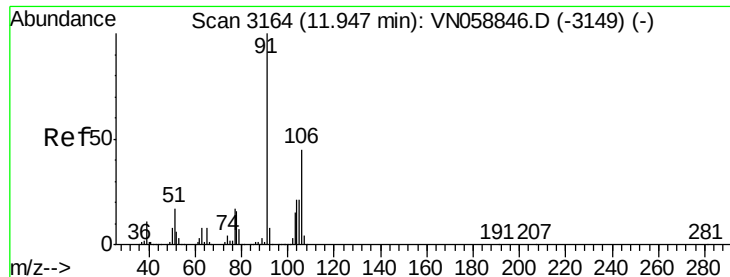
Tot Ion: 91 Resp: 447638
Ion Ratio Lower Upper
91 100
106 31.2 23.4 35.0



#68
m/p-Xylenes
Concen: 40.258 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 106 Resp: 331711
Ion Ratio Lower Upper
106 100
91 211.0 166.6 249.8

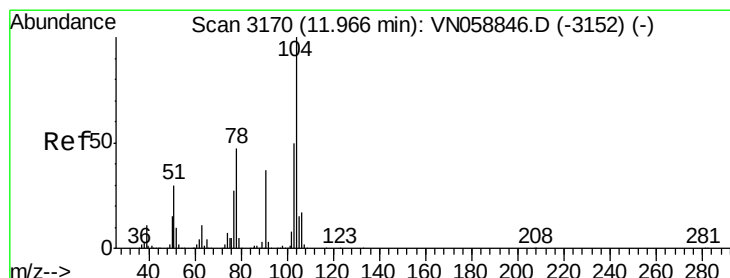
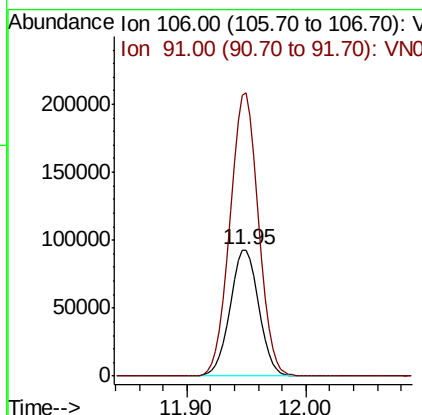
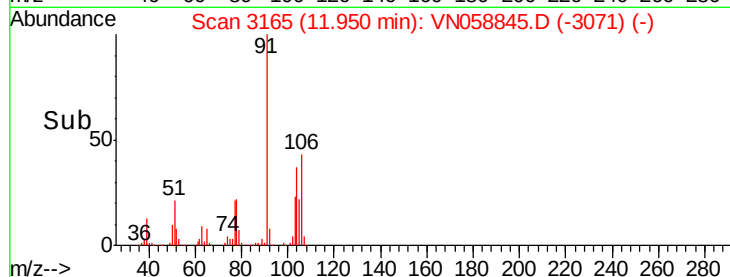
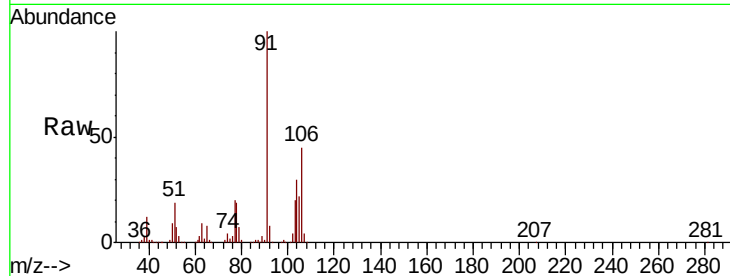




#69
o-Xylene
Concen: 19.548 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

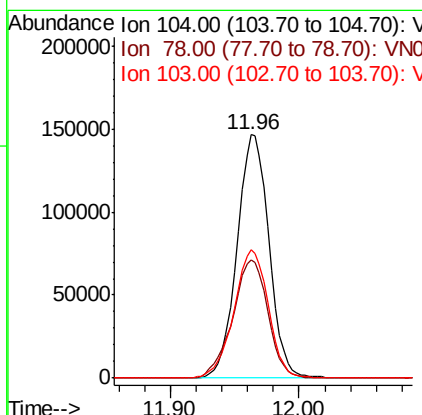
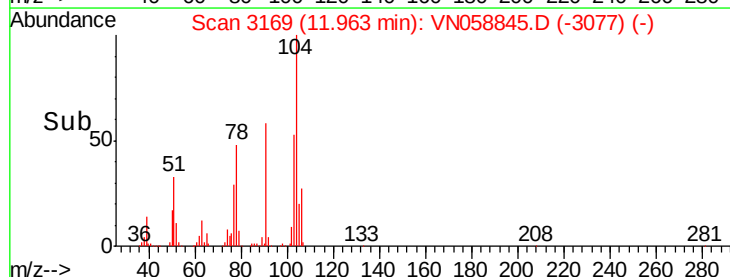
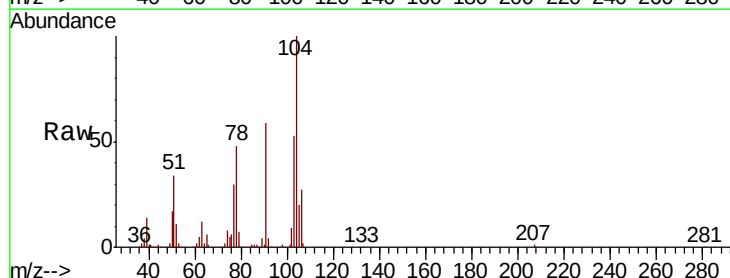
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

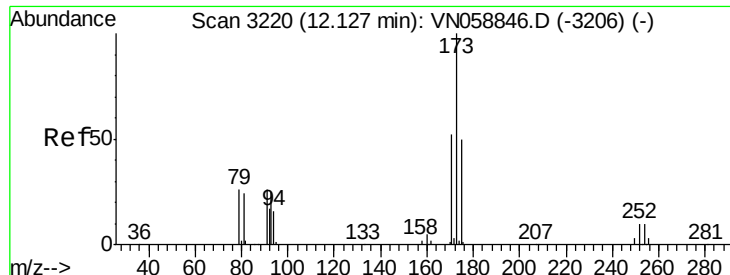
Tot Ion:106 Resp: 155663
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4



#70
Styrene
Concen: 19.389 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion:104 Resp: 252922
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 56.7 44.3 66.5

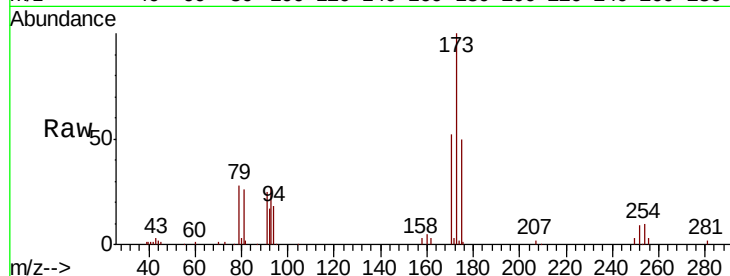




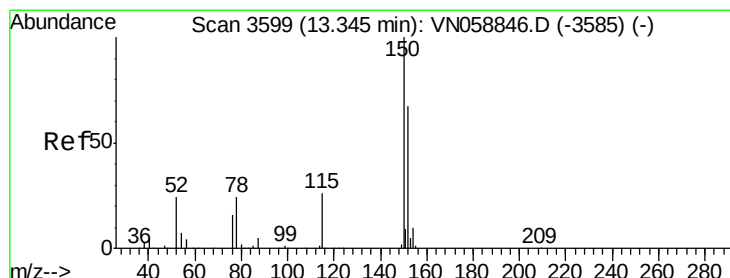
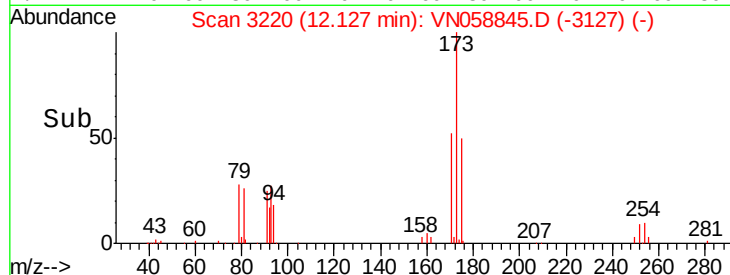
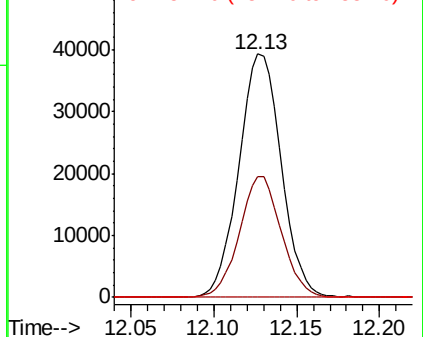
#71
Bromoform
Concen: 20.763 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:173 Resp: 69888
Ion Ratio Lower Upper
173 100
175 48.8 24.7 74.1
254 0.0 0.0 0.0

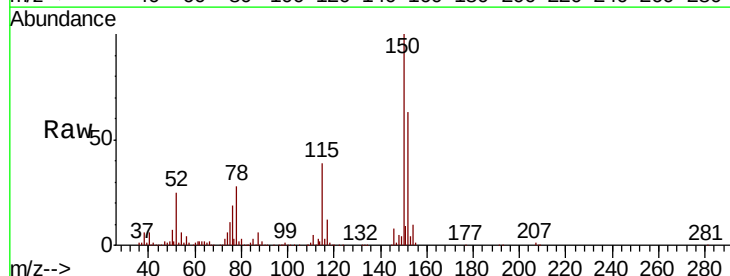


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

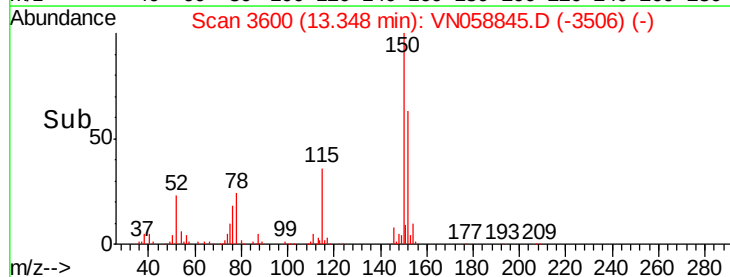
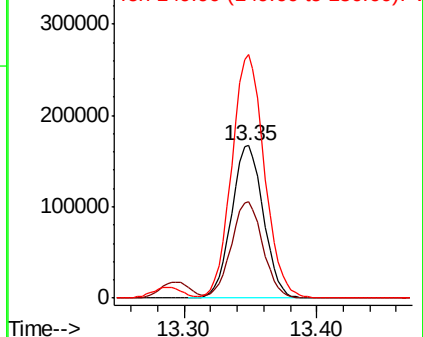


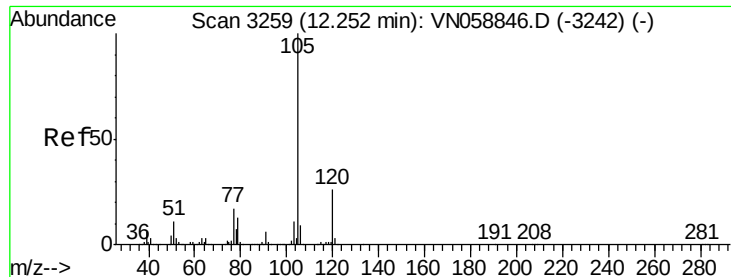
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion:152 Resp: 277852
Ion Ratio Lower Upper
152 100
115 62.2 30.5 91.5
150 164.4 0.0 344.4



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: 20.868 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

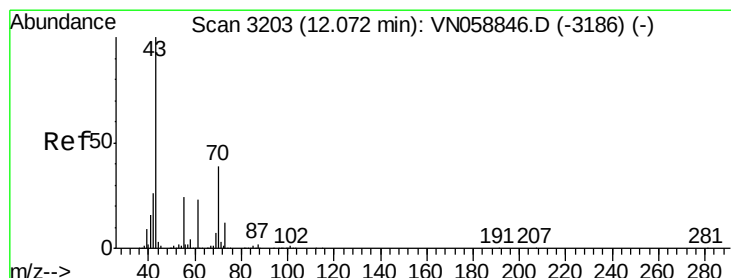
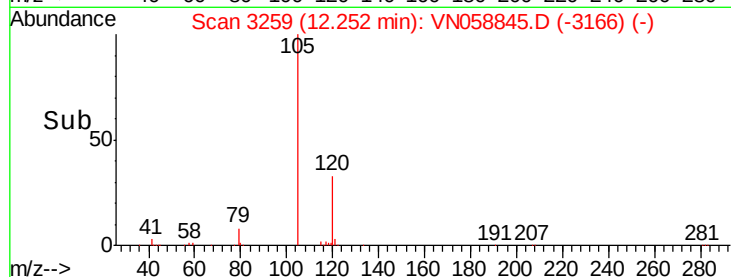
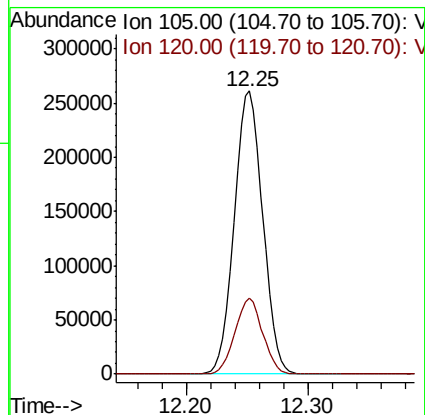
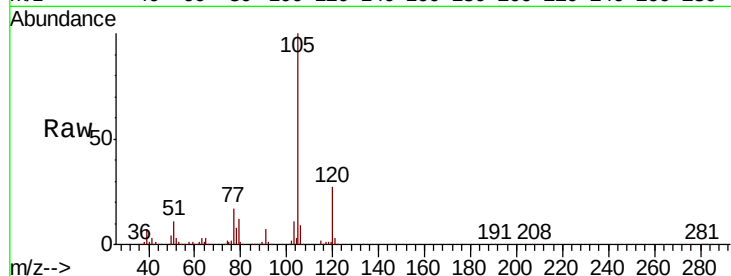
VSTDIC020

Tot Ion:105 Resp: 423017

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#74

N-ethyl acetate

Concen: 20.665 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Tgt Ion: 43 Resp: 189704

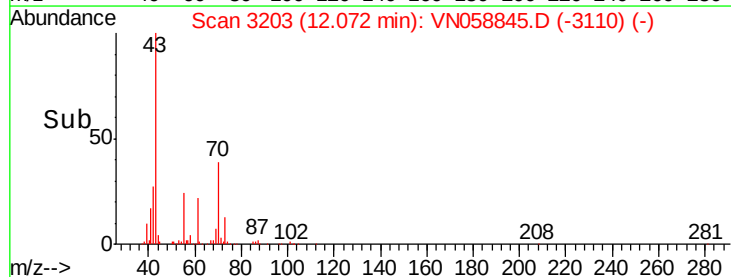
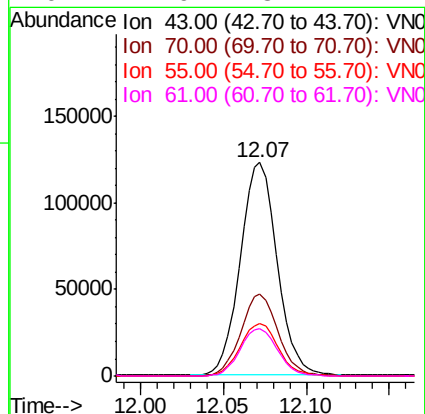
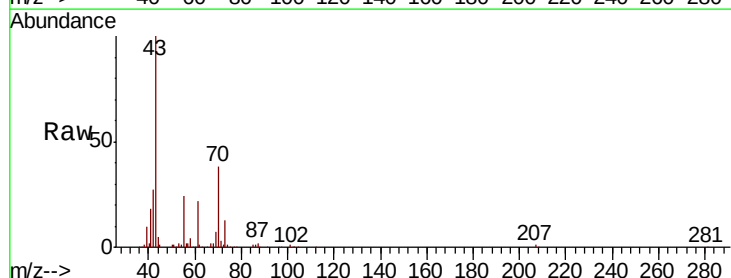
Ion Ratio Lower Upper

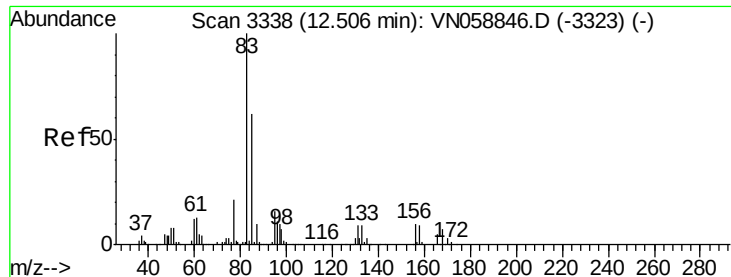
43 100

70 39.1 30.9 46.3

55 25.8 19.7 29.5

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

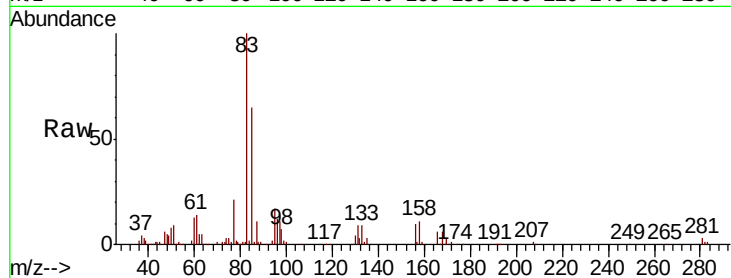
Tot Ion: 83 Resp: 145710

Ion Ratio Lower Upper

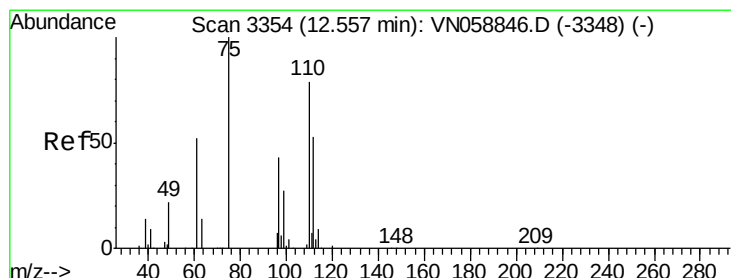
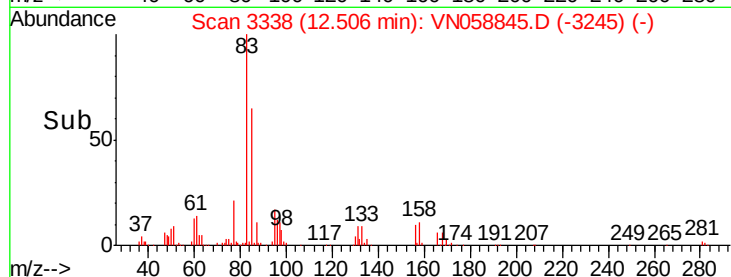
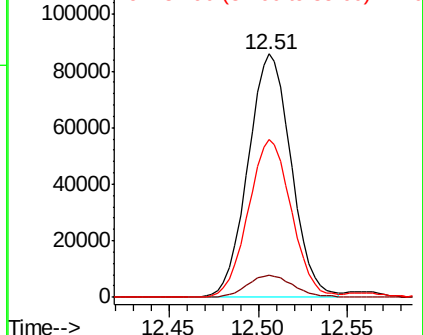
83 100

131 9.7 4.7 14.1

85 64.7 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 31.625 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058845.D

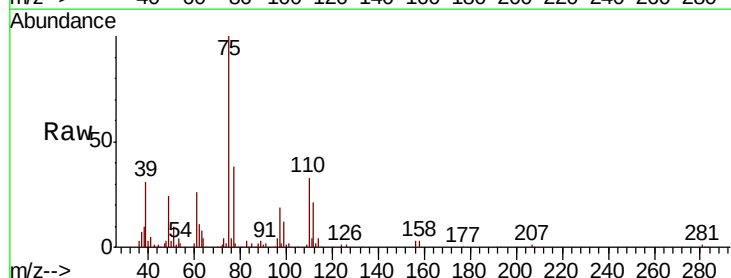
Acq: 18 Oct 2019 9:37

Tgt Ion: 75 Resp: 197760

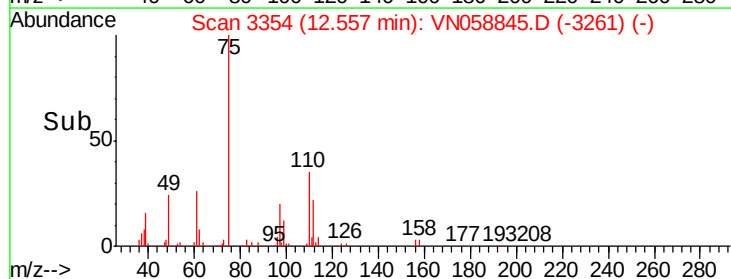
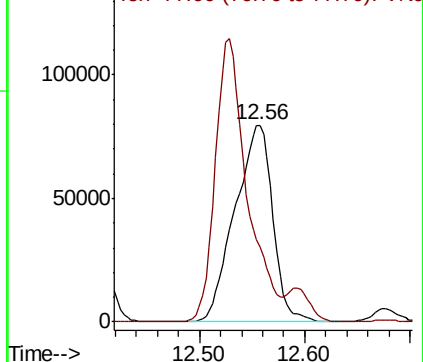
Ion Ratio Lower Upper

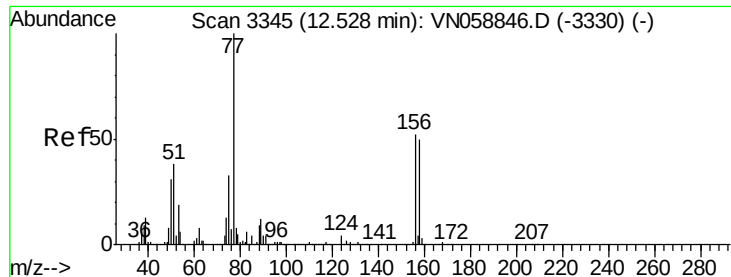
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.963 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

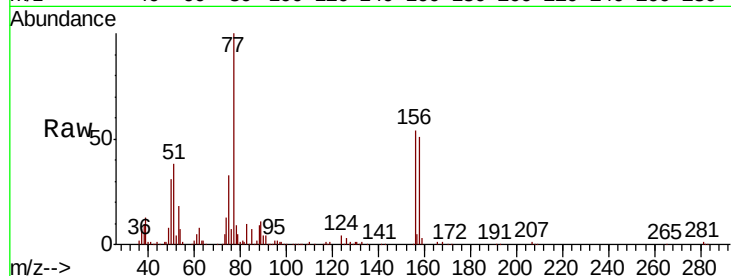
Tot Ion:156 Resp: 103553

Ion Ratio Lower Upper

156 100

77 230.4 118.0 354.0

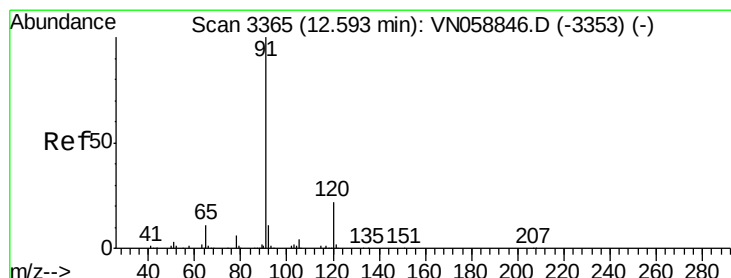
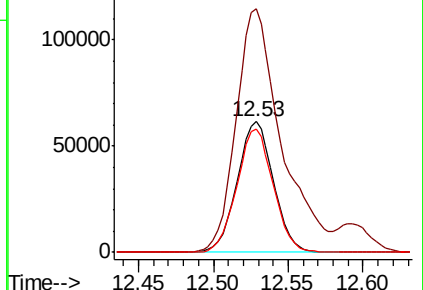
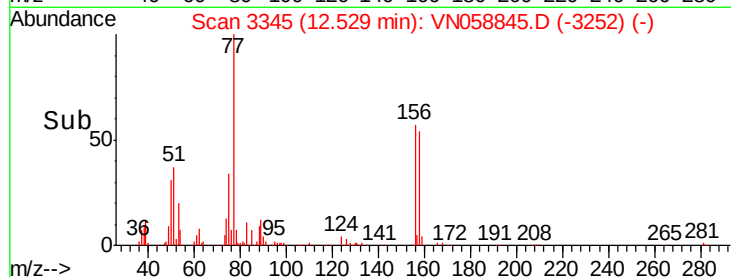
158 94.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.582 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058845.D

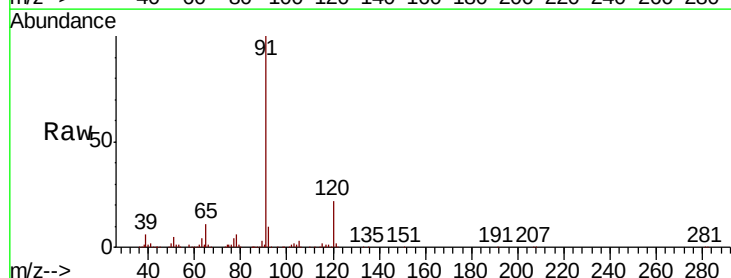
Acq: 18 Oct 2019 9:37

Tgt Ion: 91 Resp: 510466

Ion Ratio Lower Upper

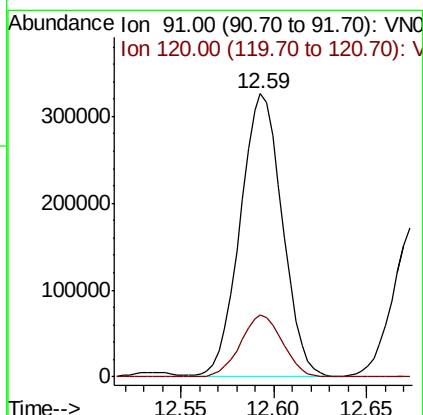
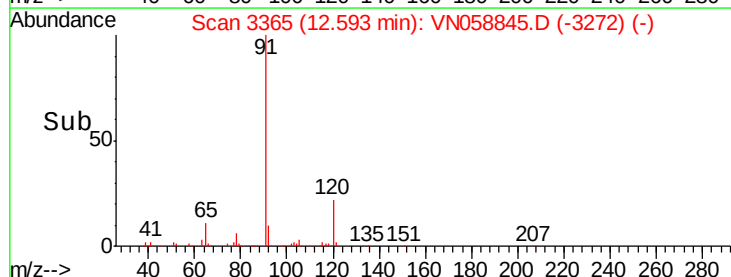
91 100

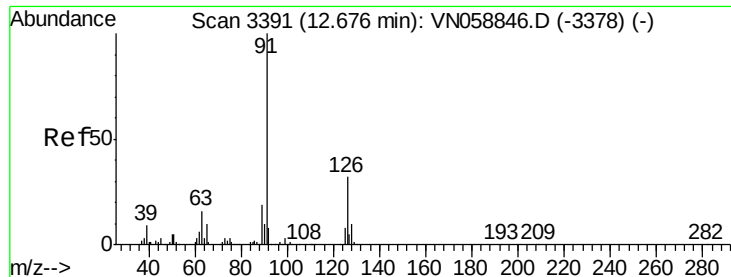
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

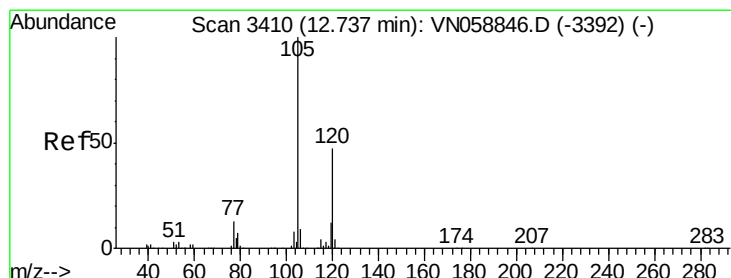
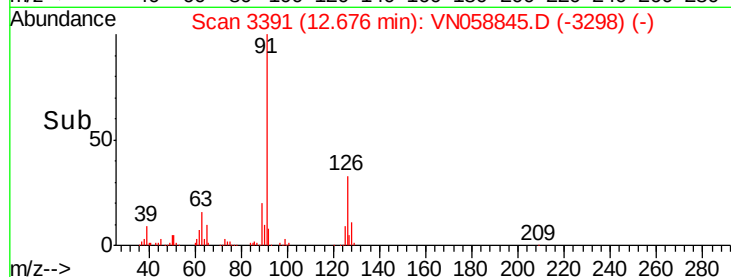
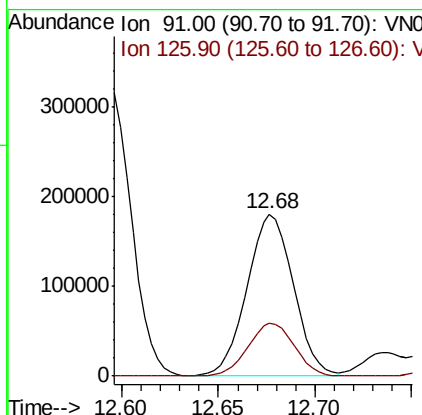
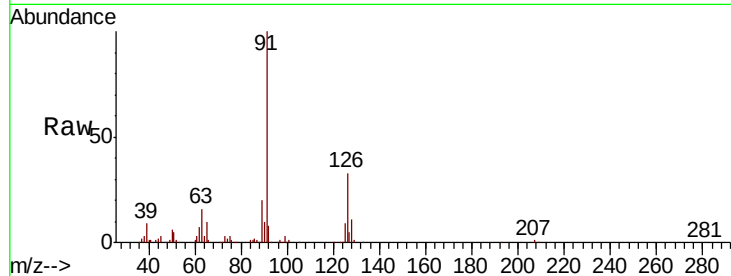




#79
2-Chlorotoluene
Concen: 20.443 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

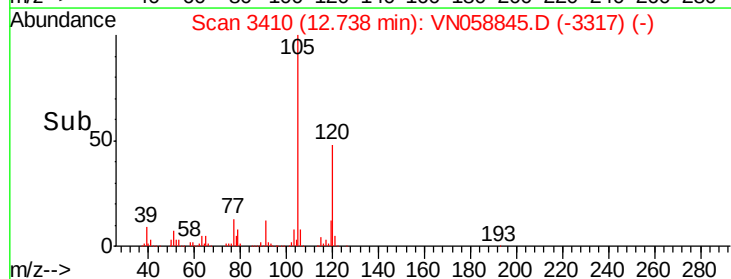
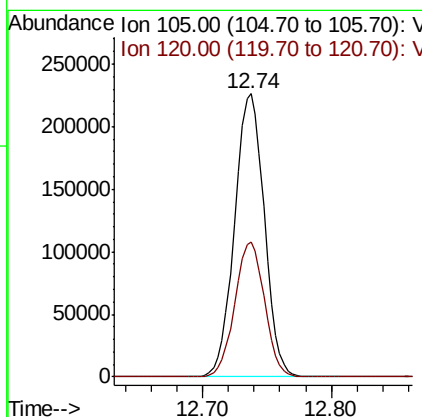
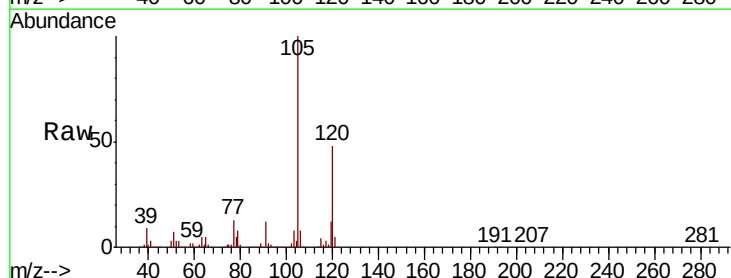
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

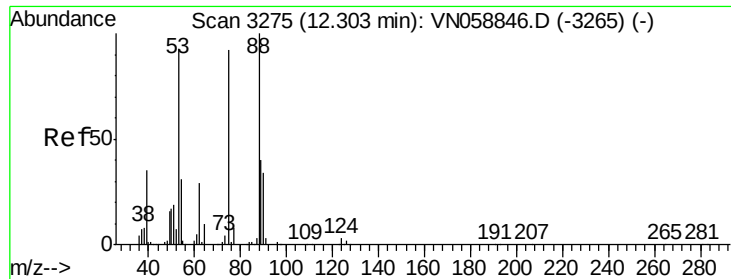
Tot Ion: 91 Resp: 300047
Ion Ratio Lower Upper
91 100
126 33.2 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 20.854 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058845.D
Acq: 18 Oct 2019 9:37

Tgt Ion: 105 Resp: 360891
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.827 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

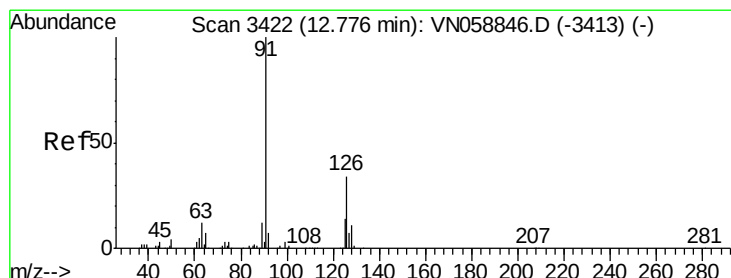
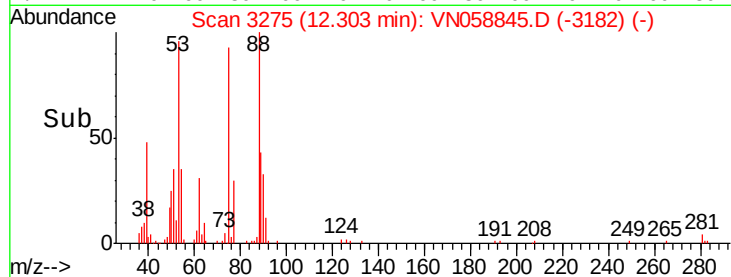
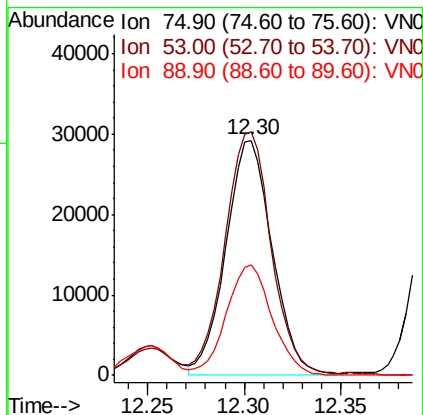
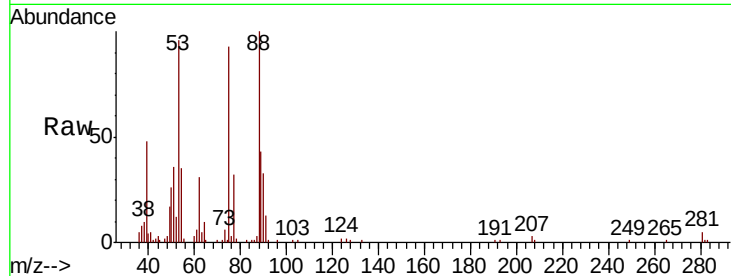
Tot Ion: 75 Resp: 48522

Ion Ratio Lower Upper

75 100

53 103.3 78.6 118.0

89 46.4 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.482 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058845.D

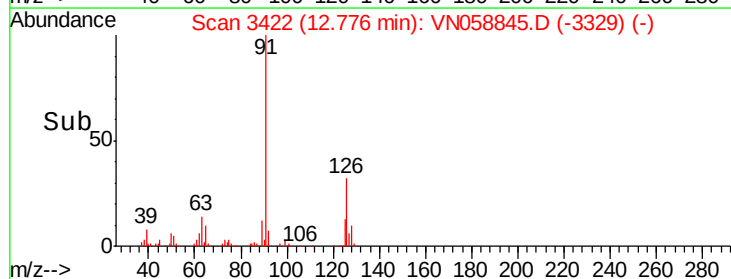
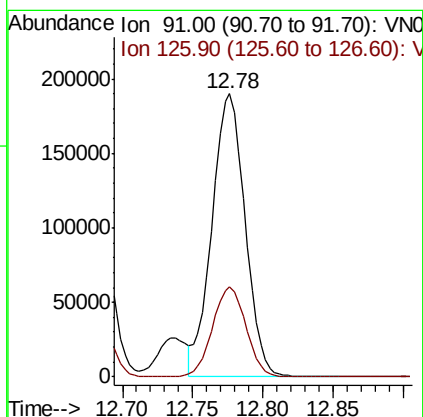
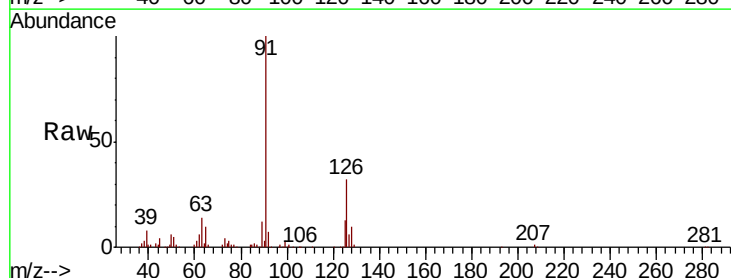
Acq: 18 Oct 2019 9:37

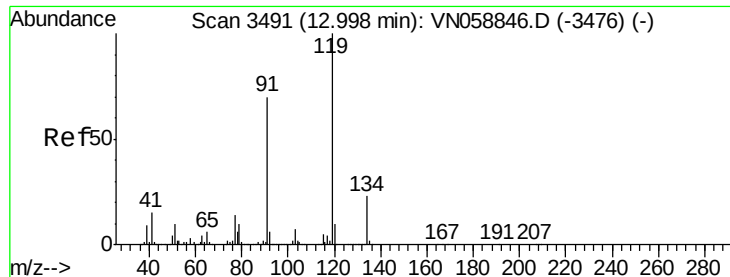
Tgt Ion: 91 Resp: 308347

Ion Ratio Lower Upper

91 100

126 32.2 16.0 47.9





#83

tert-Butylbenzene

Concen: 20.322 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

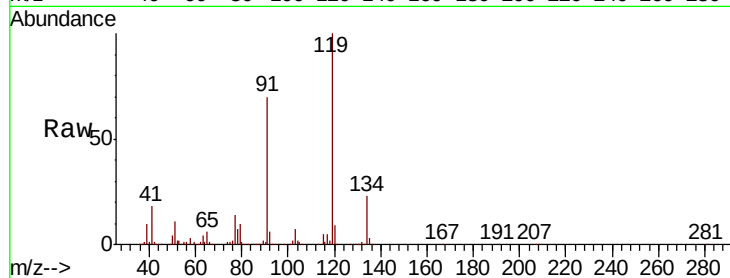
Tot Ion:119 Resp: 301209

Ion Ratio Lower Upper

119 100

91 69.1 34.1 102.3

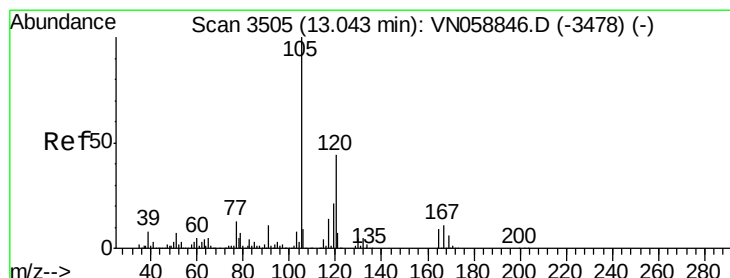
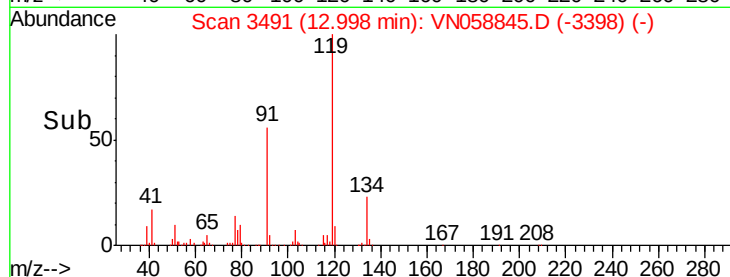
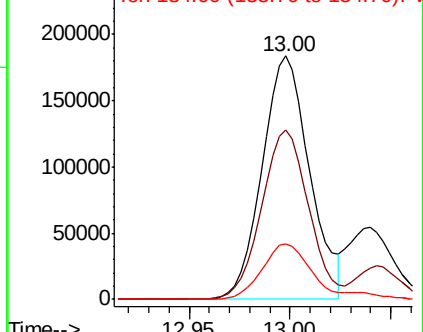
134 23.0 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.198 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058845.D

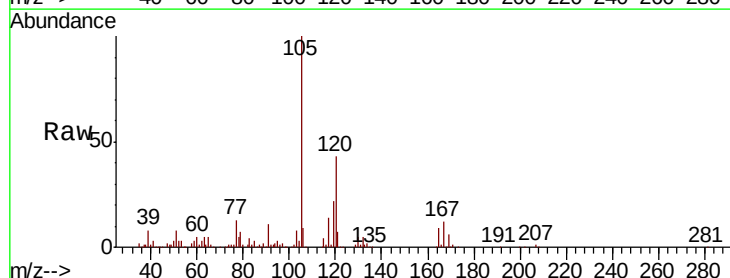
Acq: 18 Oct 2019 9:37

Tgt Ion:105 Resp: 364683

Ion Ratio Lower Upper

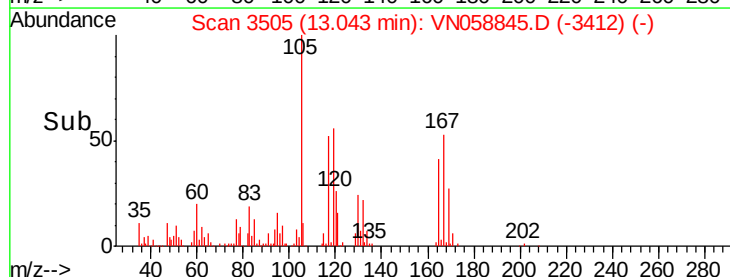
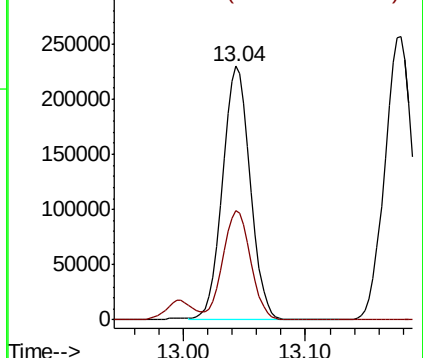
105 100

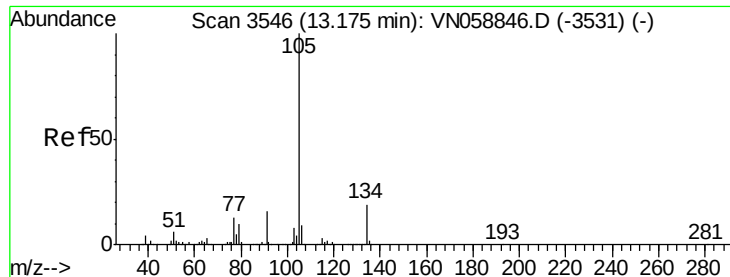
120 43.6 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.098 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

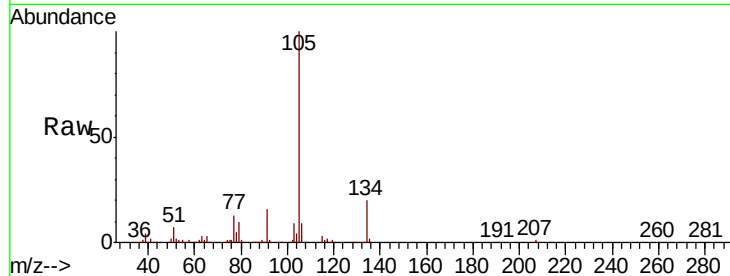
VSTDIC020

Tot Ion:105 Resp: 412494

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

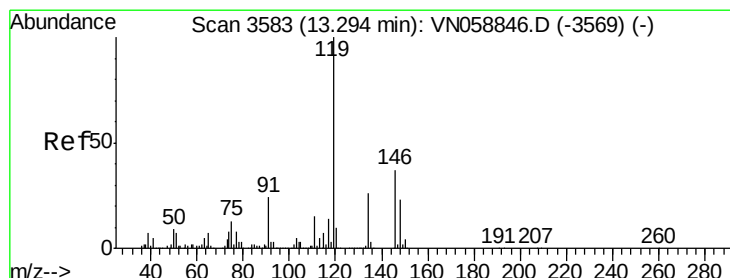
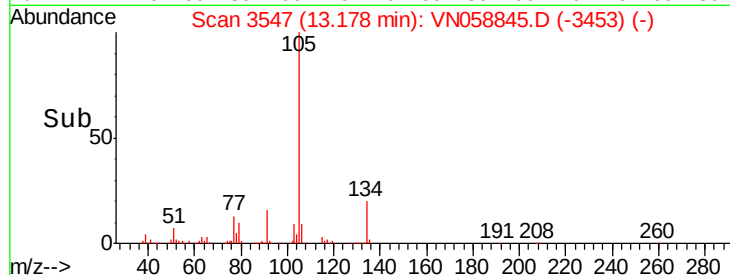
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 20.535 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

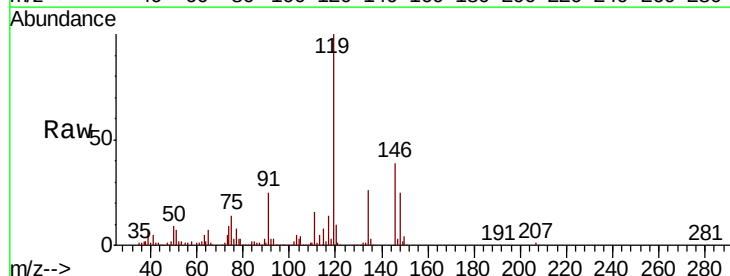
Tgt Ion:119 Resp: 363964

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.9 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

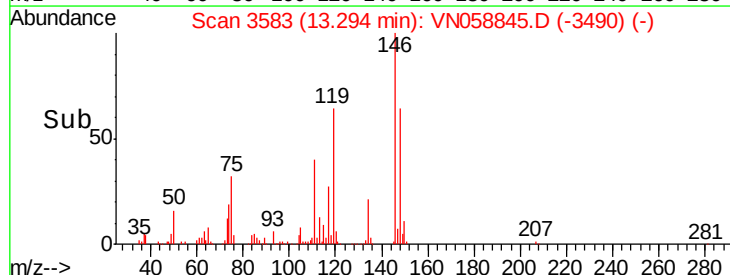
100000

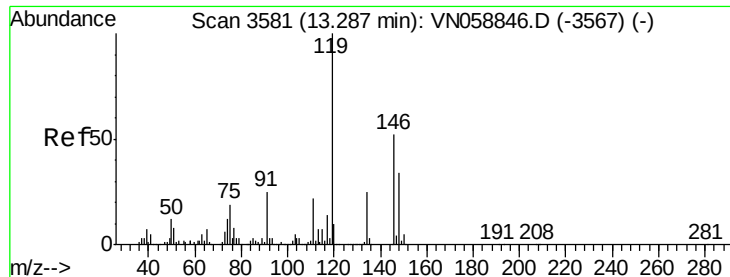
50000

0

13.25 13.30 13.35

Time-->

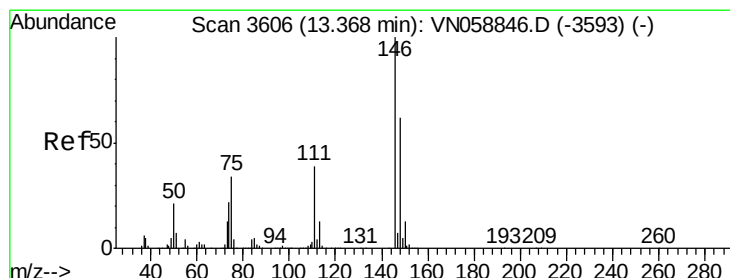
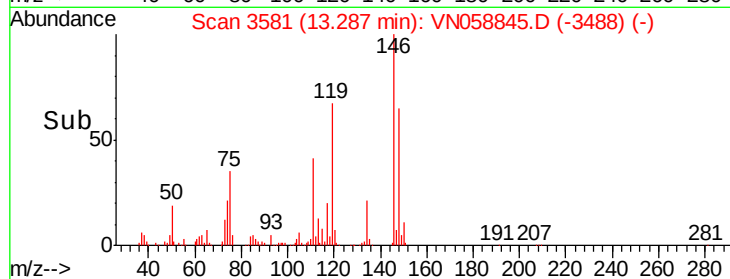
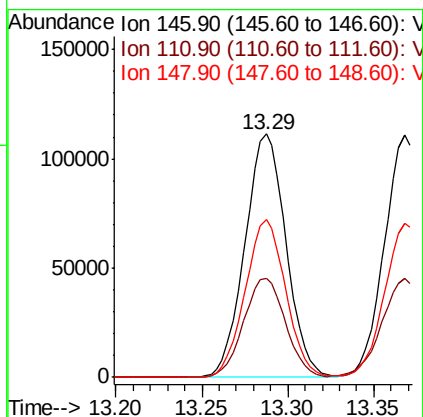
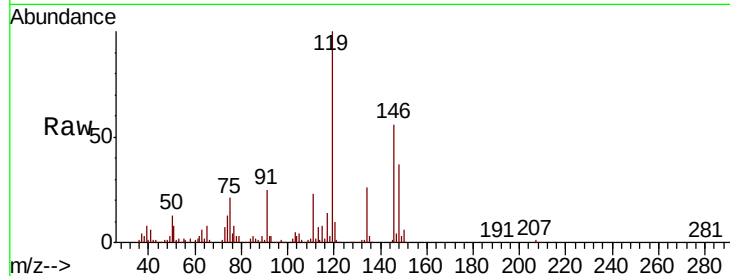




#87
 1,3-Dichlorobenzene
 Concen: 20.325 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

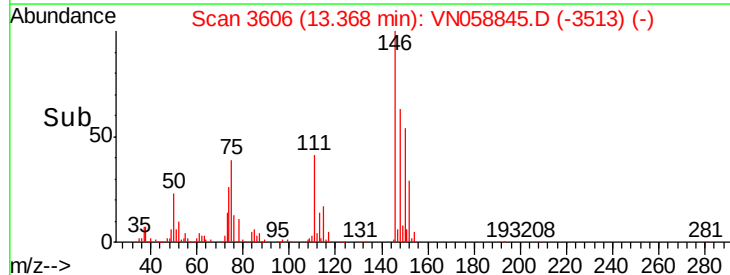
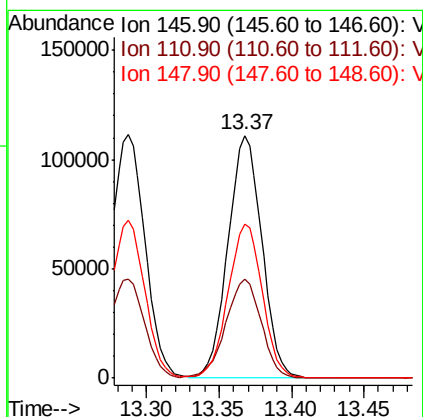
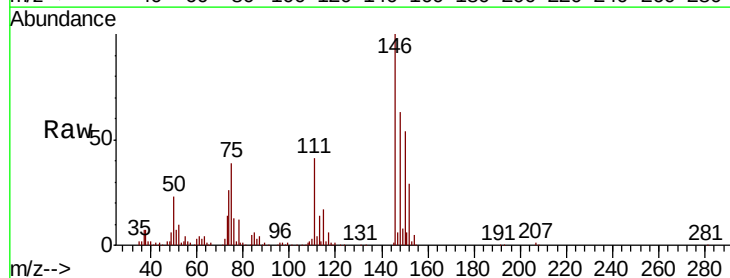
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

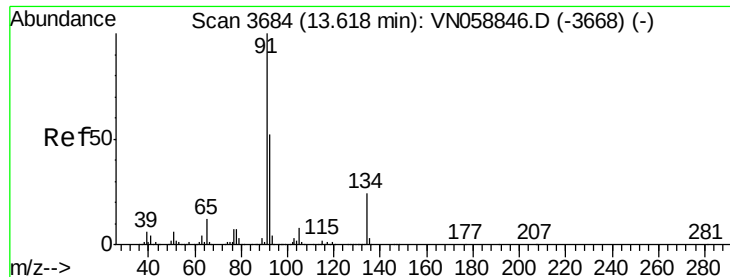
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.1	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.523 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.2	60.6
148	64.1	31.6	94.7





#89

n-Butylbenzene

Concen: 20.126 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

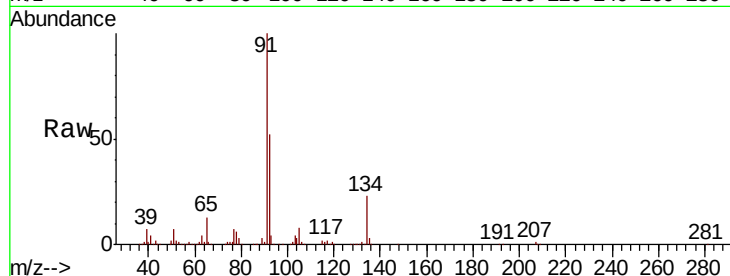
Tot Ion: 91 Resp: 329921

Ion Ratio Lower Upper

91 100

92 50.7 25.7 77.1

134 23.3 11.9 35.5

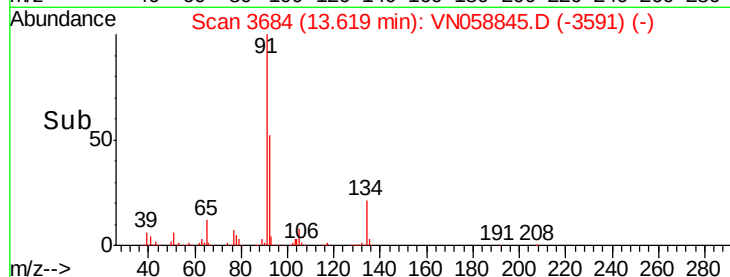


Abundance Ion 91.00 (90.70 to 91.70): VN058845.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058845.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058845.D (-3668) (-)

Time-->

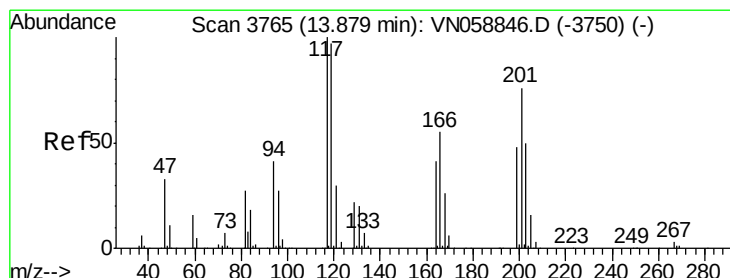


Abundance Ion 91.00 (90.70 to 91.70): VN058845.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058845.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058845.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 21.637 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058845.D

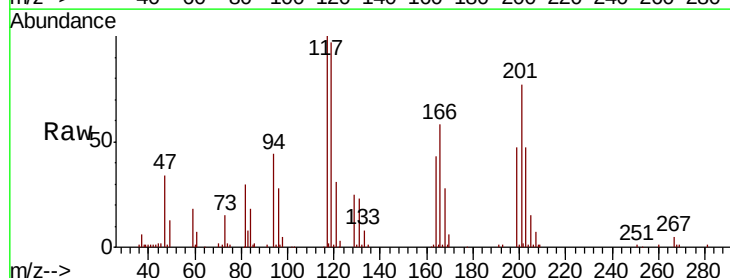
Acq: 18 Oct 2019 9:37

Tgt Ion: 117 Resp: 69311

Ion Ratio Lower Upper

117 100

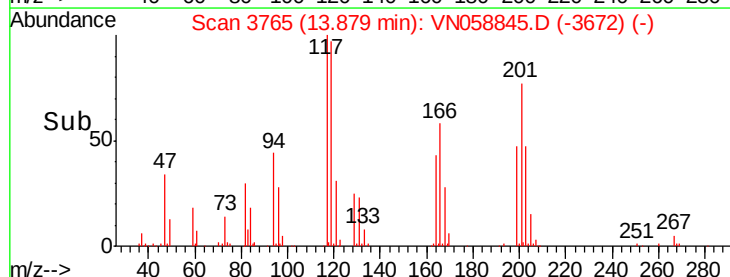
201 76.9 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058845.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058845.D (-3750) (-)

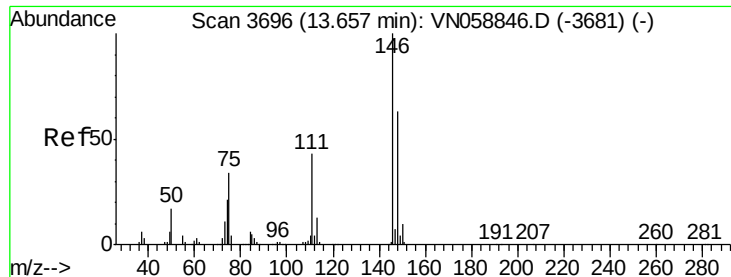
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058845.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058845.D (-3672) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.550 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

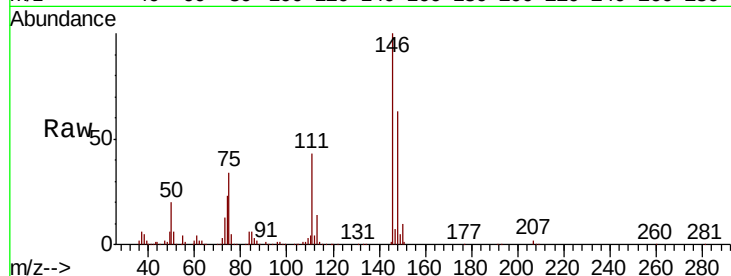
Tot Ion:146 Resp: 182207

Ion Ratio Lower Upper

146 100

111 42.9 21.6 64.8

148 63.7 31.9 95.9

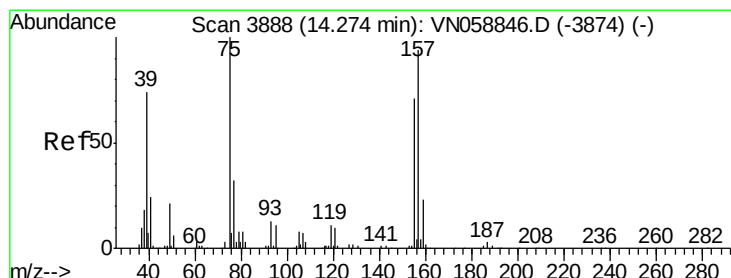
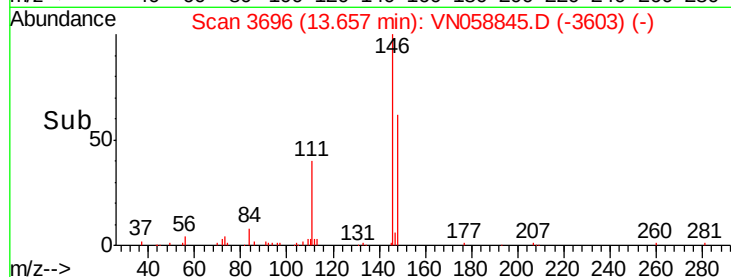
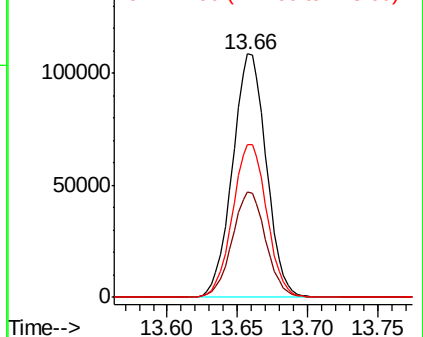


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.093 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

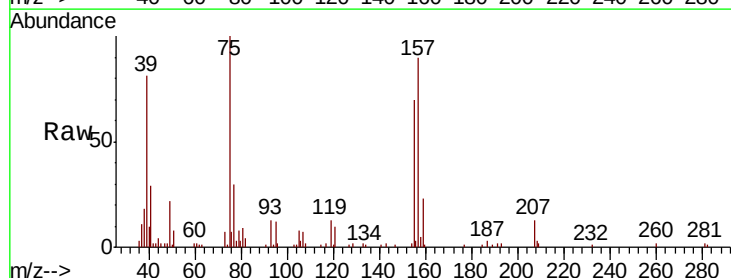
Tgt Ion: 75 Resp: 33256

Ion Ratio Lower Upper

75 100

155 69.1 35.6 106.8

157 88.5 47.4 142.2

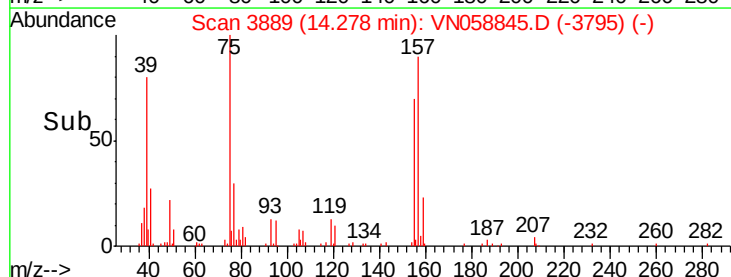
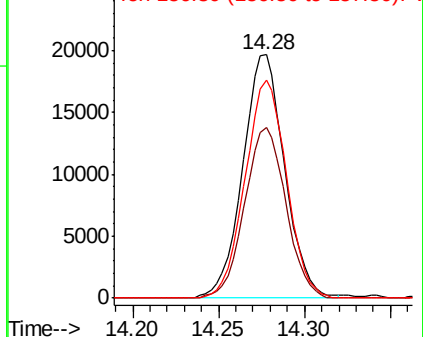


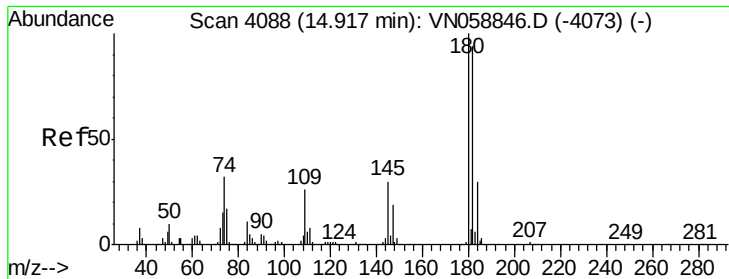
Abundance

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

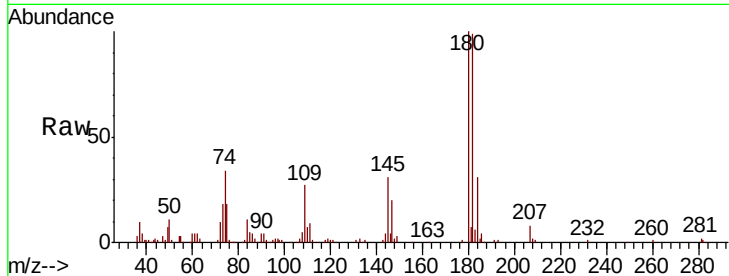




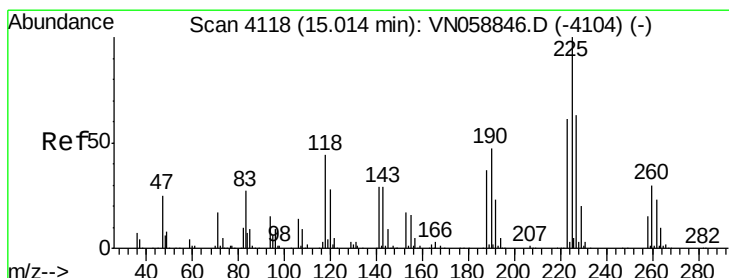
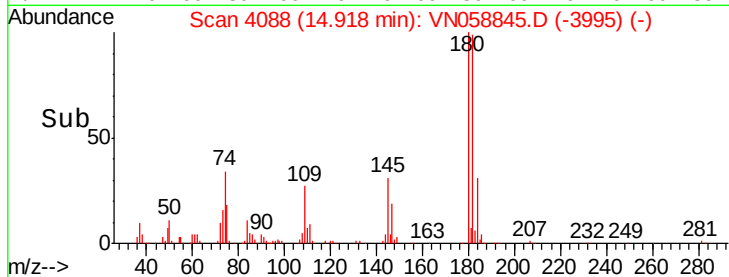
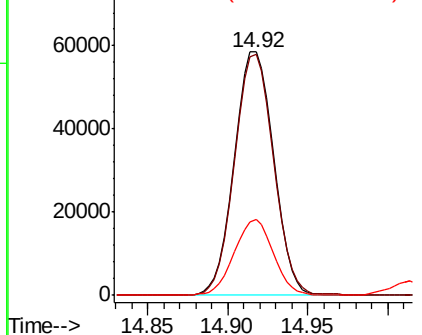
#93
 1,2,4-Trichlorobenzene
 Concen: 18.293 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.3	142.0
145	30.8	15.3	45.8

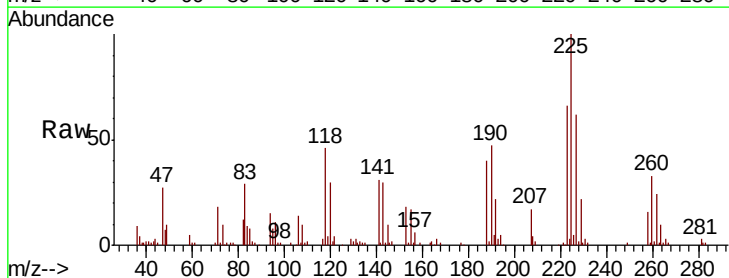


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

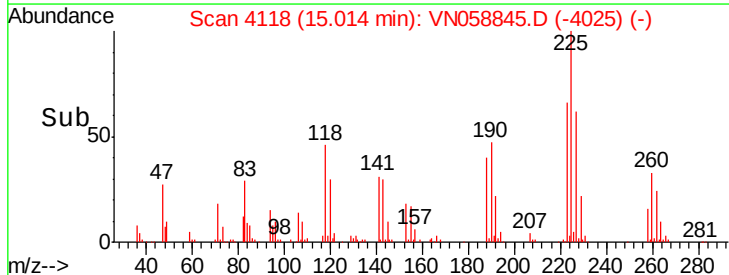
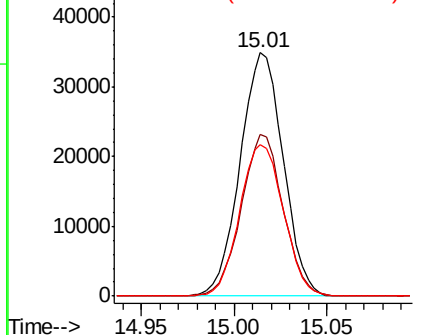


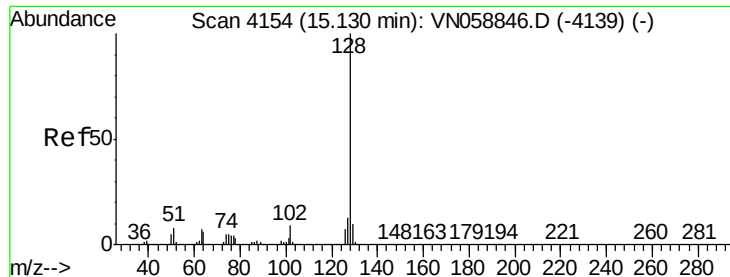
#94
 Hexachlorobutadiene
 Concen: 19.730 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058845.D
 Acq: 18 Oct 2019 9:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.9	92.5
227	63.0	31.6	94.7



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: 18.217 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

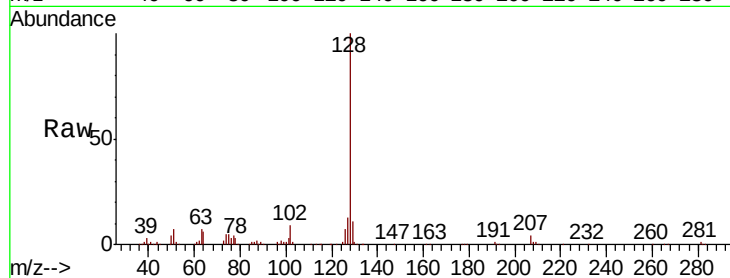
Tot Ion:128 Resp: 279988

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

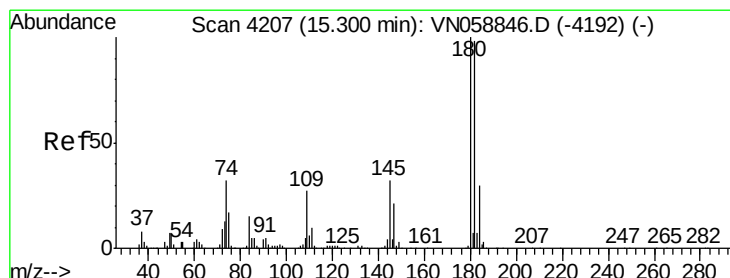
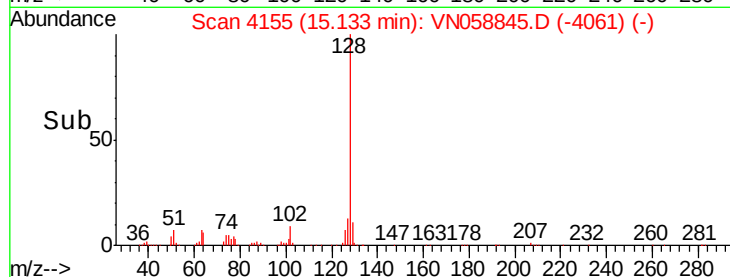
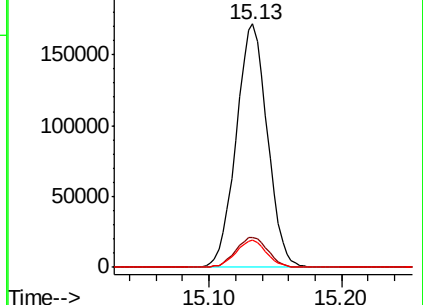
129 10.9 8.4 12.6



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: 18.646 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

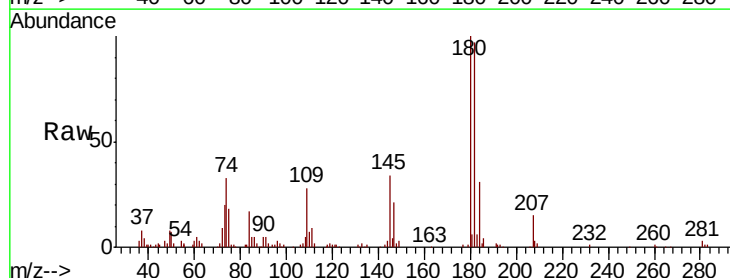
Tgt Ion:180 Resp: 97759

Ion Ratio Lower Upper

180 100

182 97.6 47.9 143.7

145 33.1 15.9 47.7



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

