

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057243.D
 Acq On : 13 Aug 2019 12:15
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 14 05:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1239598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1774530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1573696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572141	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	236946	17.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.86%	
35) Dibromofluoromethane	7.58	113	213809	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	
50) Toluene-d8	10.08	98	801361	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	
62) 4-Bromofluorobenzene	12.40	95	246814	17.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	202090	17.510	ug/l	98
3) Chloromethane	2.05	50	229074	15.055	ug/l	99
4) Vinyl Chloride	2.18	62	222581	15.220	ug/l	99
5) Bromomethane	2.55	94	165279	18.702	ug/l	98
6) Chloroethane	2.70	64	146881	16.863	ug/l	100
7) Trichlorofluoromethane	3.02	101	348152	18.034	ug/l	100
8) Diethyl Ether	3.40	74	124099	16.776	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	207111	17.926	ug/l	99
10) Methyl Iodide	3.95	142	324950	20.366	ug/l	100
11) Tert butyl alcohol	4.76	59	152227	70.091	ug/l #	77
12) 1,1-Dichloroethene	3.73	96	206097	17.827	ug/l	97
13) Acrolein	3.60	56	113734	122.582	ug/l	99
14) Allyl chloride	4.32	41	310133	15.812	ug/l	100
15) Acrylonitrile	4.98	53	456962	72.355	ug/l	100
16) Acetone	3.81	43	447084	74.139	ug/l	98
17) Carbon Disulfide	4.05	76	541166	17.609	ug/l	99
18) Methyl Acetate	4.31	43	221325	13.407	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	612609	16.793	ug/l	99
20) Methylene Chloride	4.54	84	231301	16.967	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	218970	17.953	ug/l	95
22) Diisopropyl ether	5.94	45	624064	16.215	ug/l	95
23) Vinyl Acetate	5.88	43	2441775	78.609	ug/l	99
24) 1,1-Dichloroethane	5.84	63	383134	16.902	ug/l	100
25) 2-Butanone	6.82	43	598407	68.347	ug/l	100
26) 2,2-Dichloropropane	6.81	77	319069	19.082	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	253032	18.015	ug/l	100
28) Bromochloromethane	7.19	49	185134	17.691	ug/l	100
29) Tetrahydrofuran	7.20	42	372575	65.529	ug/l	99
30) Chloroform	7.36	83	402576	17.617	ug/l	98
31) Cyclohexane	7.65	56	340514	16.119	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	347462	19.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	297955	18.194	ug/l	99
37) Ethyl Acetate	6.91	43	240172	15.517	ug/l	99
38) Carbon Tetrachloride	7.77	117	314302	20.103	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	350838	17.469	ug/l	98
40) Benzene	8.03	78	915057	18.321	ug/l	99
41) Methacrylonitrile	7.20	41	335682	49.887	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	295303	18.617	ug/l	100
43) Isopropyl Acetate	8.16	43	396150	16.044	ug/l	99
44) Trichloroethene	8.83	130	259332	18.881	ug/l	100
45) 1,2-Dichloropropane	9.11	63	232916	17.703	ug/l	98
46) Dibromomethane	9.20	93	156248	18.942	ug/l	99
47) Bromodichloromethane	9.40	83	302417	19.154	ug/l	99
48) Methyl methacrylate	9.19	41	180596	15.221	ug/l	96
49) 1,4-Dioxane	9.19	88	79621	321.915	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1154988	73.252	ug/l	99
52) Toluene	10.15	92	574666	19.234	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320032	19.394	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	368436	19.322	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	221230	17.815	ug/l	98
56) Ethyl methacrylate	10.43	69	306978	17.379	ug/l	99
57) 1,3-Dichloropropane	10.70	76	364488	17.990	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	371741	47.455	ug/l	99
59) 2-Hexanone	10.75	43	828689	73.592	ug/l	99
60) Dibromochloromethane	10.90	129	246606	19.905	ug/l	99
61) 1,2-Dibromoethane	11.00	107	230526	18.618	ug/l	100
64) Tetrachloroethene	10.63	164	266945	19.572	ug/l	98
65) Chlorobenzene	11.43	112	618695	19.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240609	20.107	ug/l	99
67) Ethyl Benzene	11.51	91	1062401	18.815	ug/l	100
68) m/p-Xylenes	11.62	106	790126	37.470	ug/l	99
69) o-Xylene	11.95	106	387656	18.705	ug/l	100
70) Styrene	11.96	104	602712	18.049	ug/l	99
71) Bromoform	12.13	173	176692	19.431	ug/l #	98
73) Isopropylbenzene	12.25	105	1036071	22.049	ug/l	99
74) N-amyl acetate	12.07	43	276026	16.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	290135	18.774	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	351476	28.531	ug/l #	100
77) Bromobenzene	12.53	156	269661	21.903	ug/l	98
78) n-propylbenzene	12.59	91	1024857	19.858	ug/l	100
79) 2-Chlorotoluene	12.67	91	657768	20.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	851732	21.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82152	20.128	ug/l	96
82) 4-Chlorotoluene	12.77	91	593276	19.629	ug/l	100
83) tert-Butylbenzene	12.99	119	768942	22.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	784380	20.397	ug/l	99
85) sec-Butylbenzene	13.17	105	911112	20.689	ug/l	99
86) p-Isopropyltoluene	13.29	119	782268	19.713	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	376862	18.957	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	349308	18.170	ug/l	99
89) n-Butylbenzene	13.62	91	578892	18.557	ug/l	99
90) Hexachloroethane	13.88	117	155667	23.636	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370087	18.337	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35904	15.056	ug/l	96

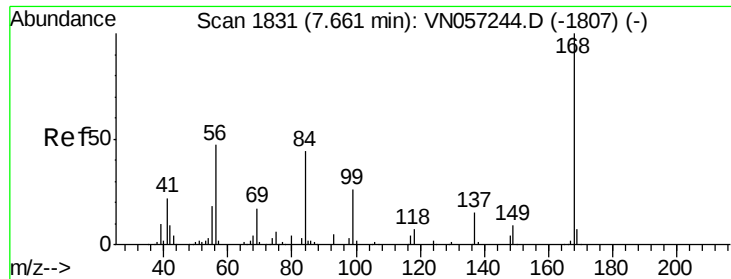
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	94898	10.880	ug/l	99
94) Hexachlorobutadiene	15.01	225	167165	22.298	ug/l	99
95) Naphthalene	15.13	128	170071	7.592	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	90276	10.150	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

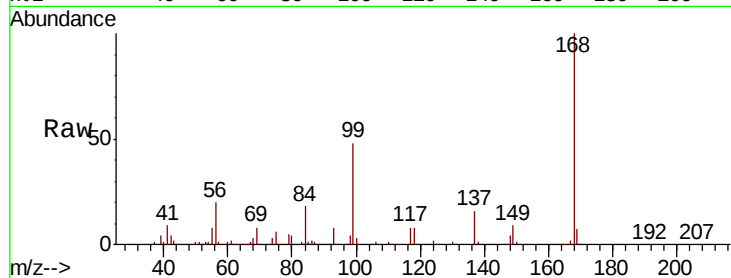
VSTDIC020

Tgt Ion:168 Resp: 1239598

Ion Ratio Lower Upper

168 100

99 47.7 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

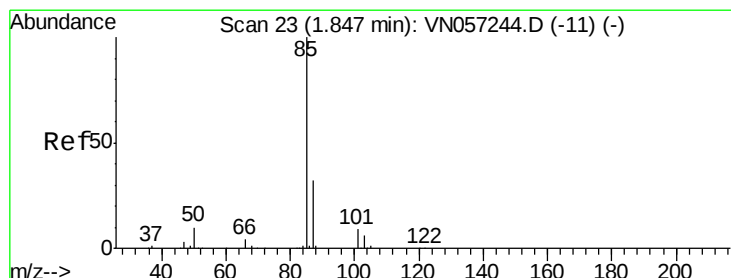
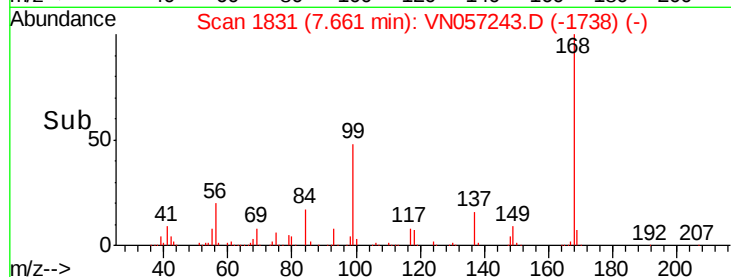
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.510 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057243.D

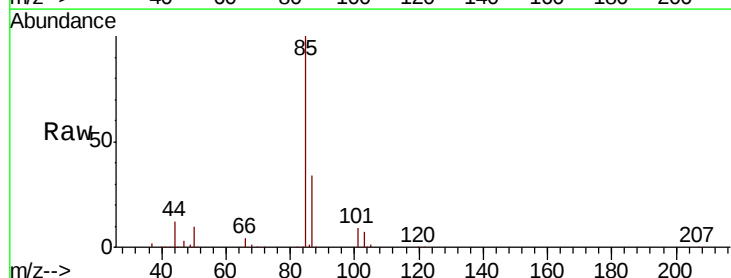
Acq: 13 Aug 2019 12:15

Tgt Ion: 85 Resp: 202090

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

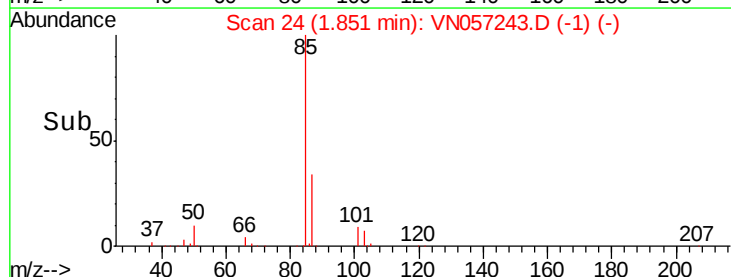
1.85

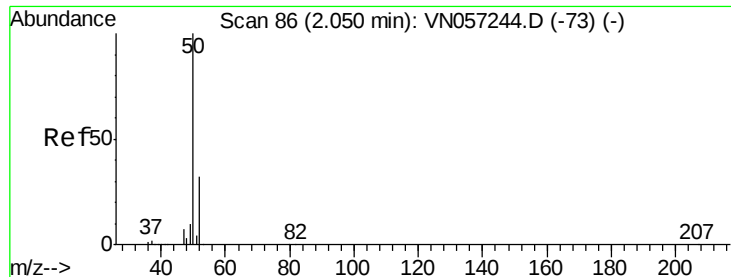
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 15.055 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

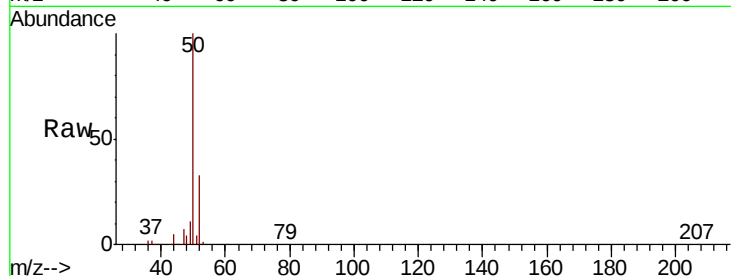
VSTDIC020

Tgt Ion: 50 Resp: 229074

Ion Ratio Lower Upper

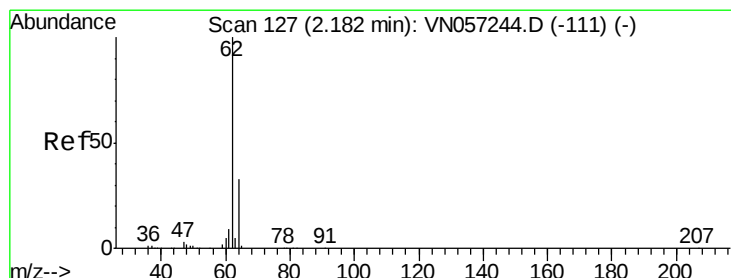
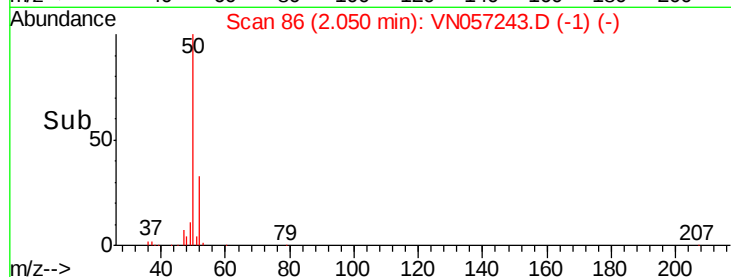
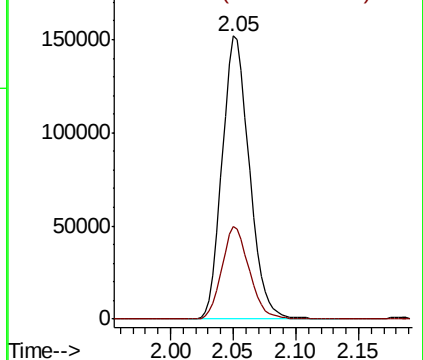
50 100

52 32.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 15.220 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057243.D

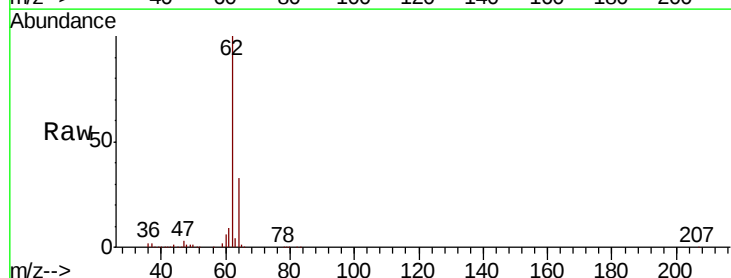
Acq: 13 Aug 2019 12:15

Tgt Ion: 62 Resp: 222581

Ion Ratio Lower Upper

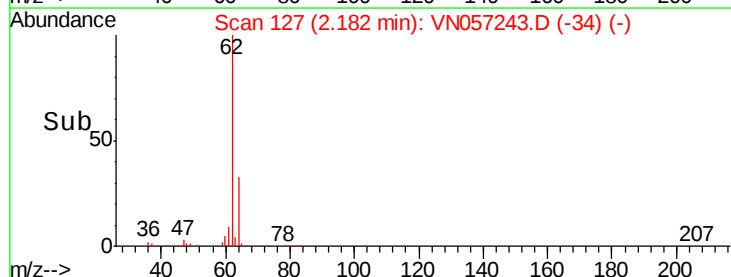
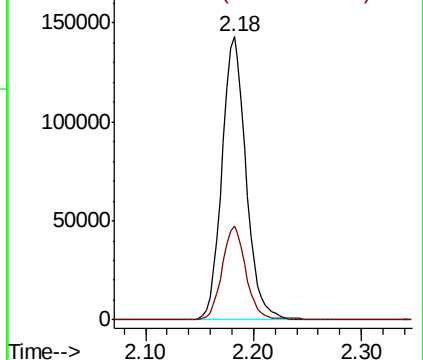
62 100

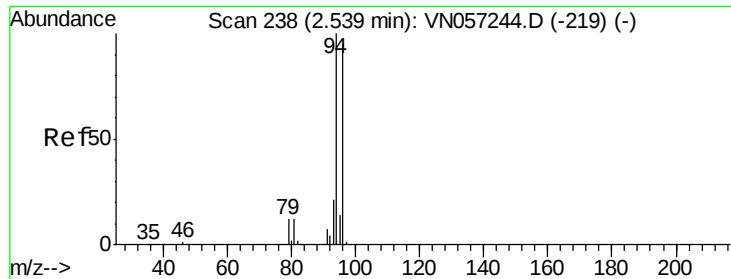
64 33.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.702 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

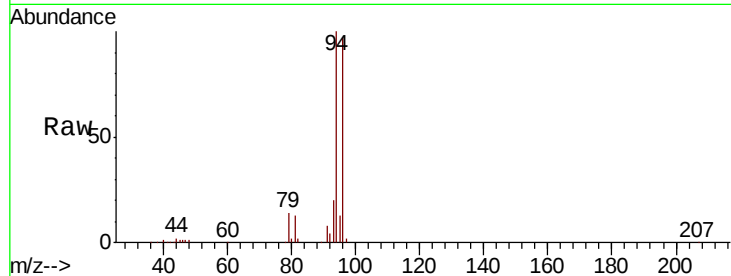
VSTDIC020

Tgt Ion: 94 Resp: 165279

Ion Ratio Lower Upper

94 100

96 96.6 75.7 113.5

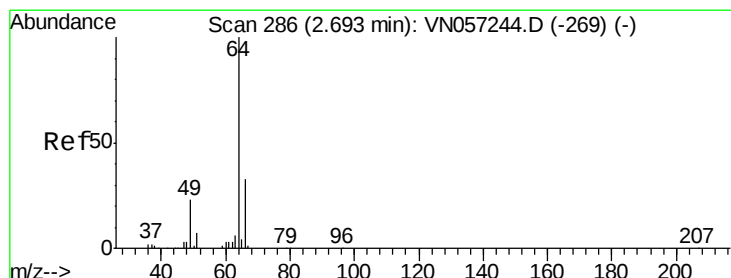
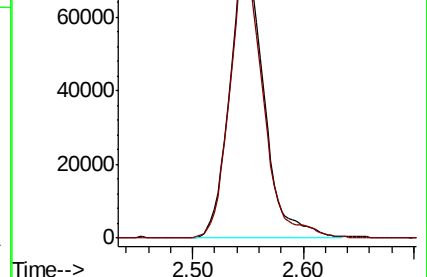
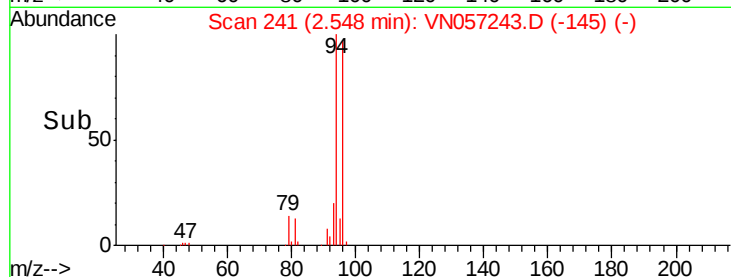


Abundance Ion 93.90 (93.60 to 94.60): VN057243.D (-241) (-)

Ion 95.90 (95.60 to 96.60): VN057243.D (-241) (-)

2.55

Time-->



#6

Chloroethane

Concen: 16.863 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057243.D

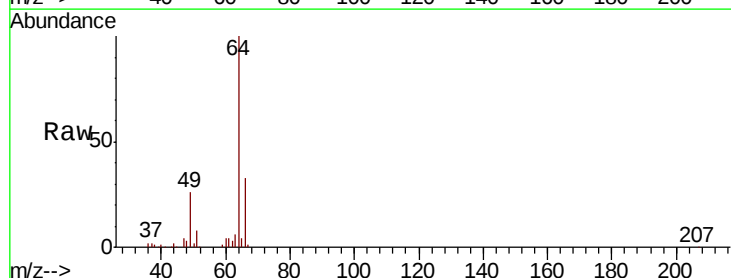
Acq: 13 Aug 2019 12:15

Tgt Ion: 64 Resp: 146881

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5

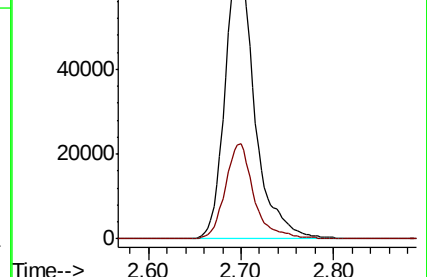
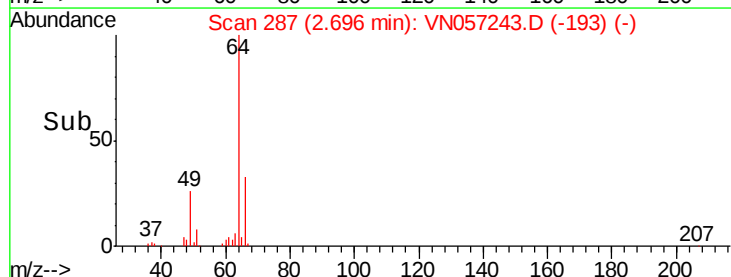


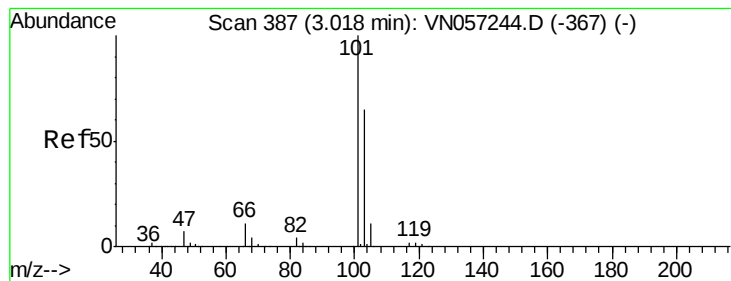
Abundance Ion 63.90 (63.60 to 64.60): VN057243.D (-287) (-)

Ion 65.90 (65.60 to 66.60): VN057243.D (-287) (-)

2.70

Time-->



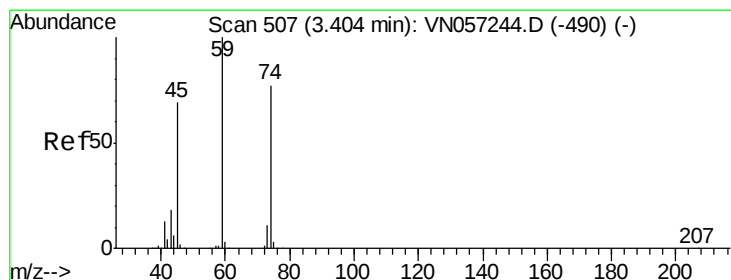
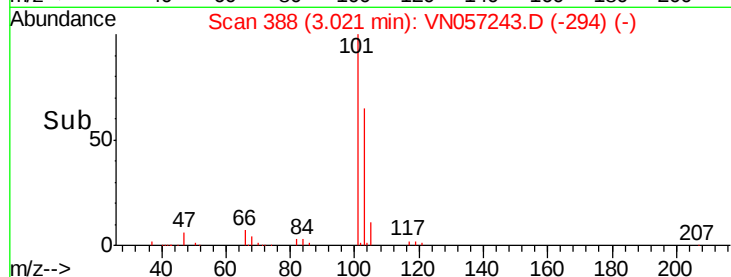
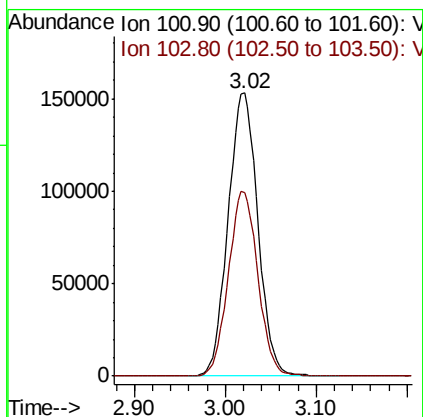
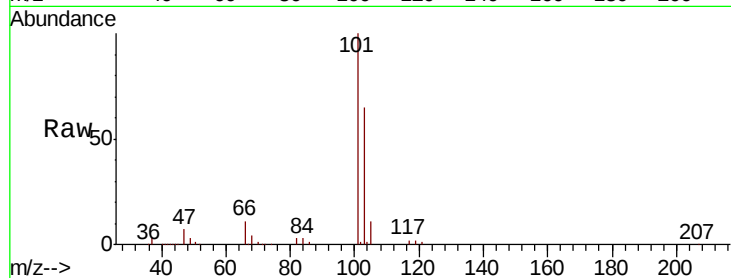


#7

Trichlorofluoromethane
 Concen: 18.034 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

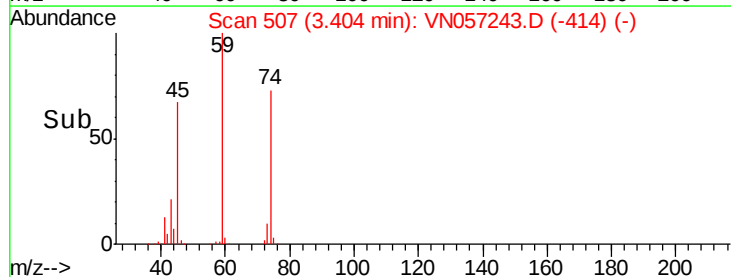
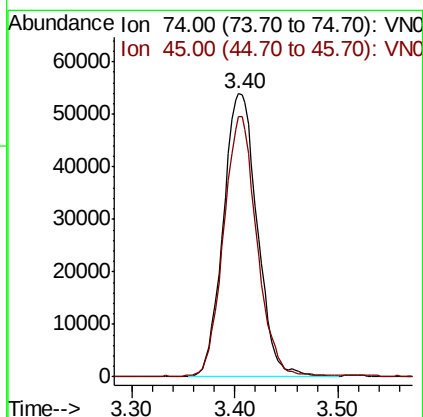
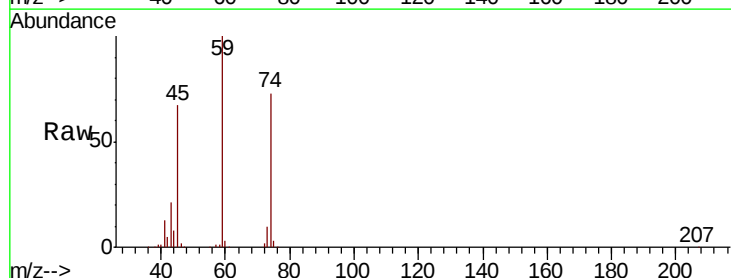
Tgt Ion: 101 Resp: 348152
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.6

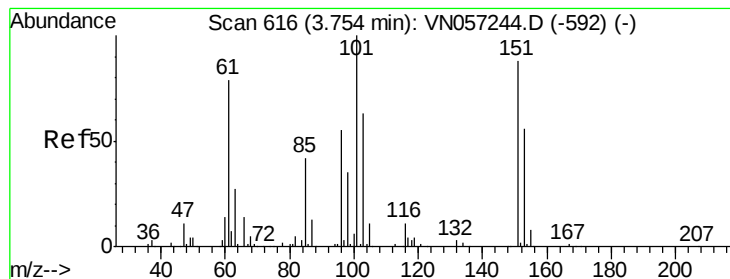


#8

Diethyl Ether
 Concen: 16.776 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 74 Resp: 124099
 Ion Ratio Lower Upper
 74 100
 45 90.2 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.926 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

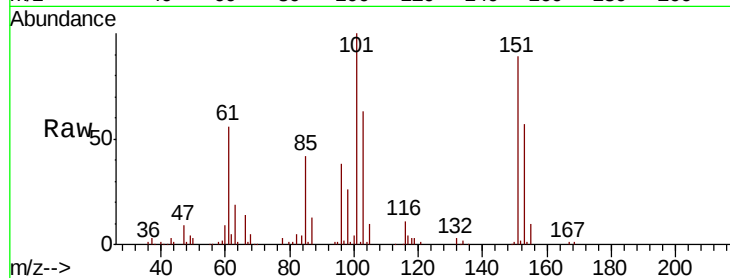
Tgt Ion:101 Resp: 207111

Ion Ratio Lower Upper

101 100

85 41.7 32.7 49.1

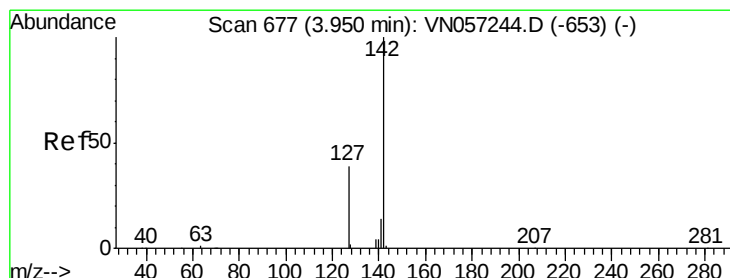
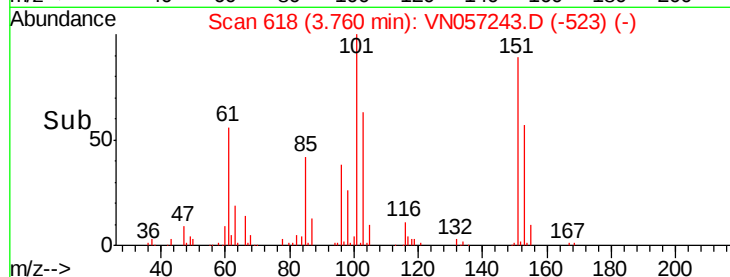
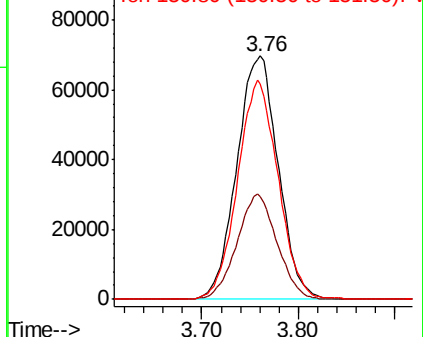
151 88.0 70.1 105.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.366 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

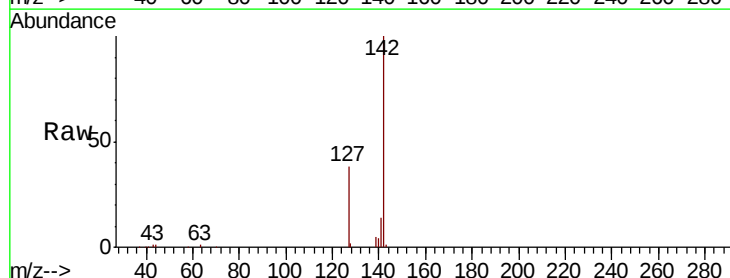
Tgt Ion:142 Resp: 324950

Ion Ratio Lower Upper

142 100

127 38.8 30.7 46.1

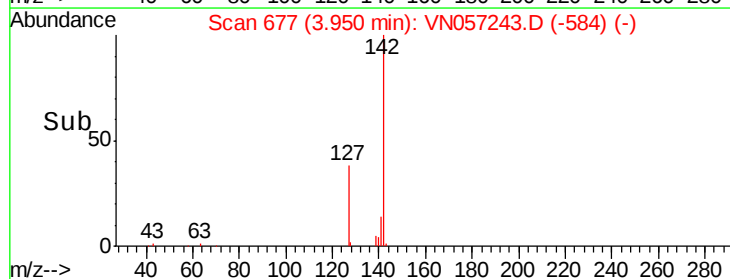
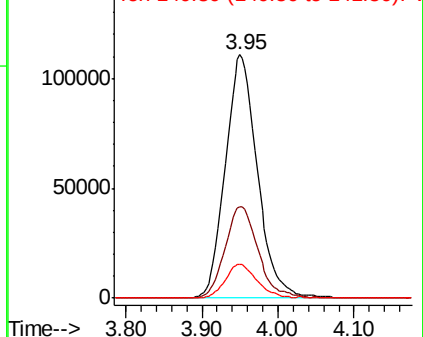
141 13.8 11.0 16.6

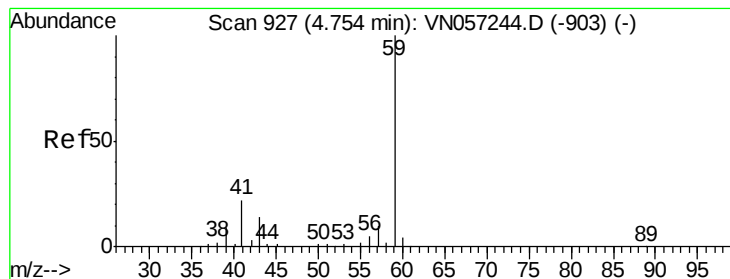


Abundance Ion 141.80 (141.50 to 142.50): V

150000 Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



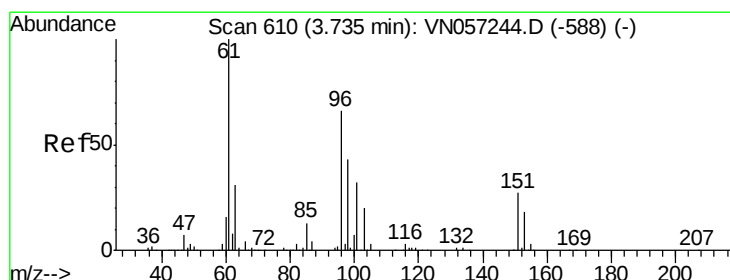
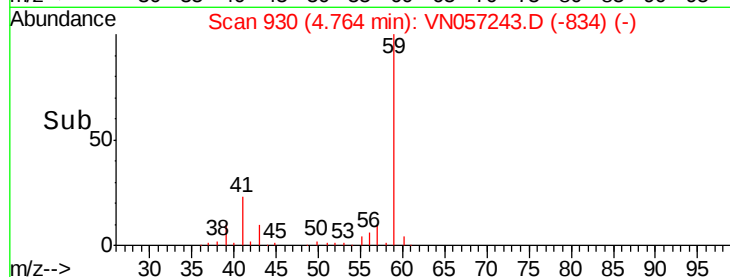
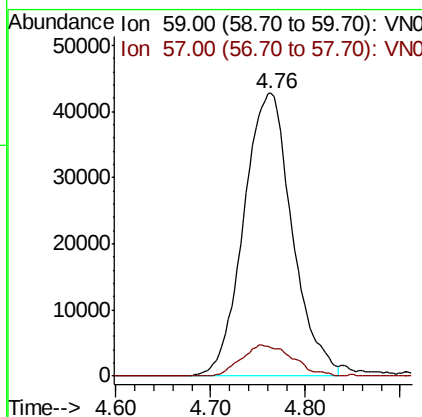
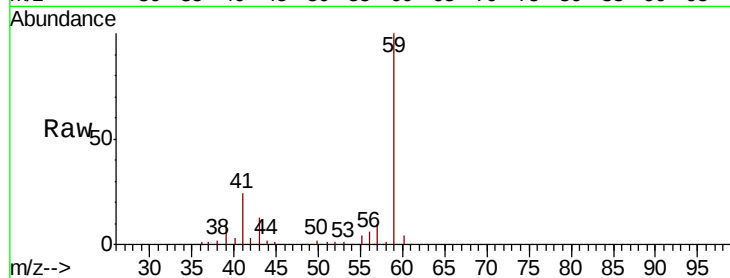


#11

Tert butyl alcohol
 Concen: 70.091 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

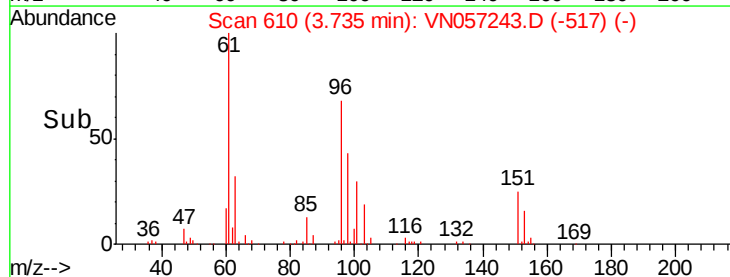
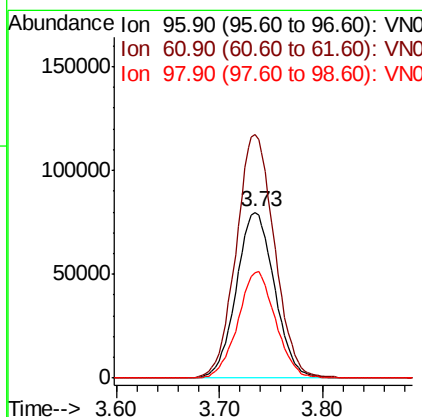
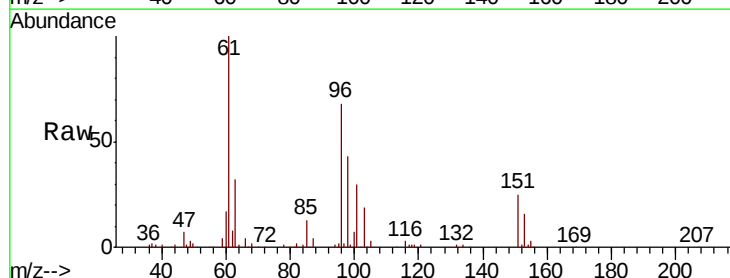
Tgt Ion: 59 Resp: 152227
 Ion Ratio Lower Upper
 59 100
 57 11.7 3.4 5.2#

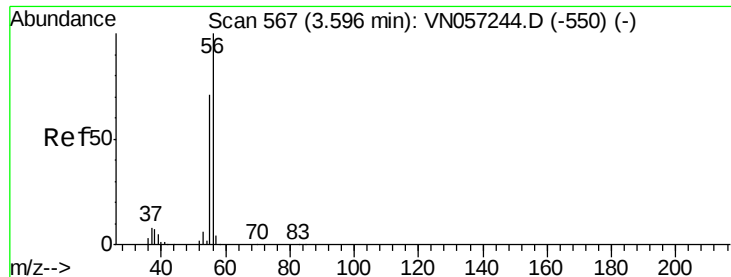


#12

1,1-Dichloroethene
 Concen: 17.827 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 96 Resp: 206097
 Ion Ratio Lower Upper
 96 100
 61 146.7 121.1 181.7
 98 63.6 52.0 78.0





#13

Acrolein

Concen: 122.582 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

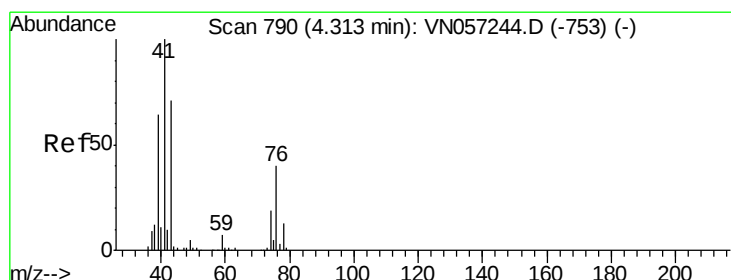
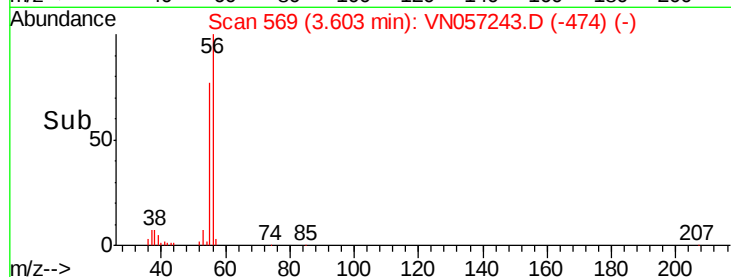
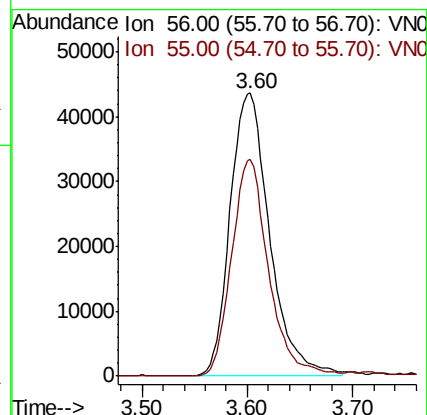
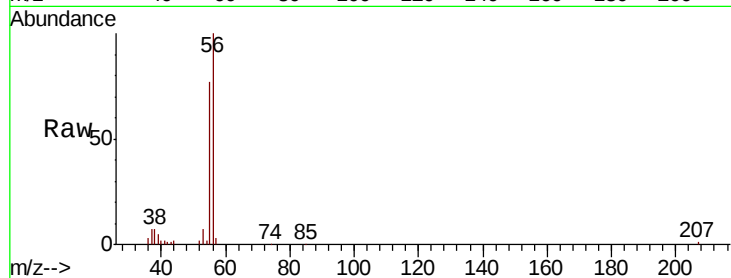
VSTDIC020

Tgt Ion: 56 Resp: 113734

Ion Ratio Lower Upper

56 100

55 71.5 56.6 84.8



#14

Allyl chloride

Concen: 15.812 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

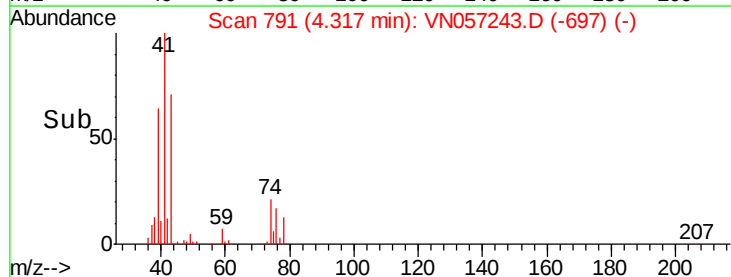
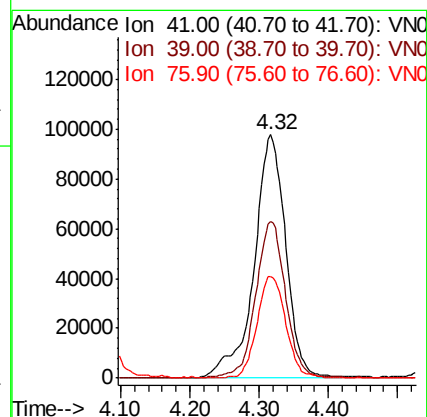
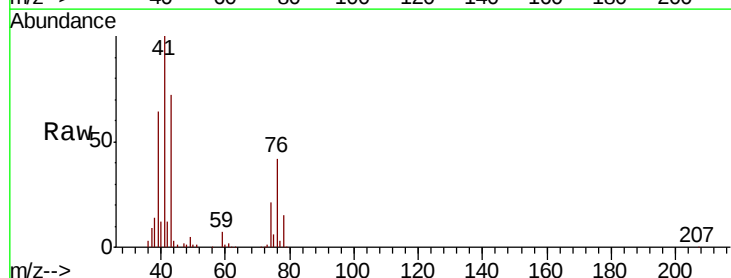
Tgt Ion: 41 Resp: 310133

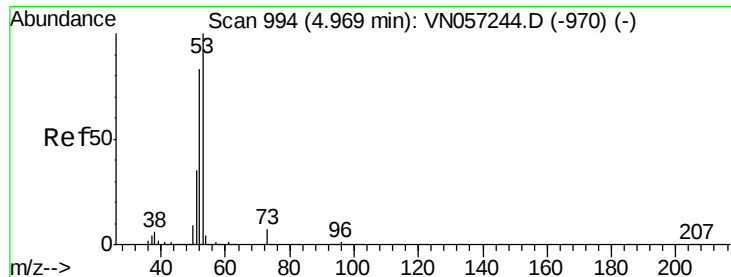
Ion Ratio Lower Upper

41 100

39 60.6 48.5 72.7

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 72.355 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

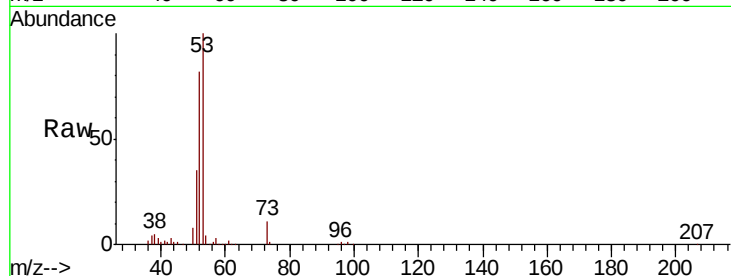
Tgt Ion: 53 Resp: 456962

Ion Ratio Lower Upper

53 100

52 82.1 65.9 98.9

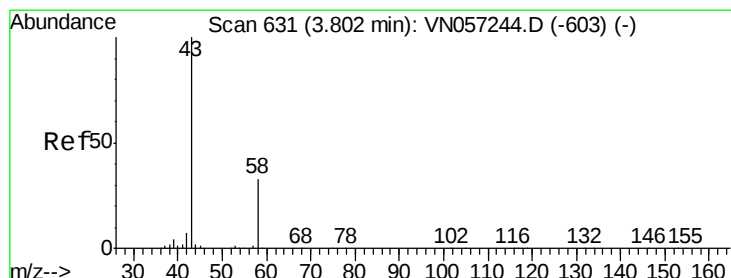
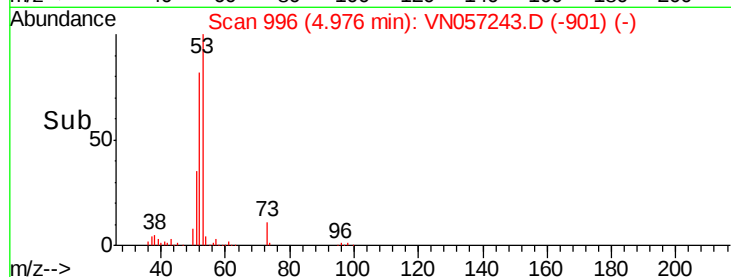
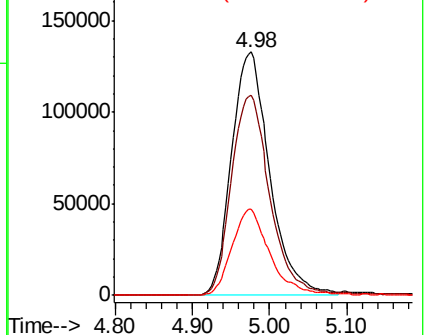
51 35.2 27.8 41.6



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: 74.139 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057243.D

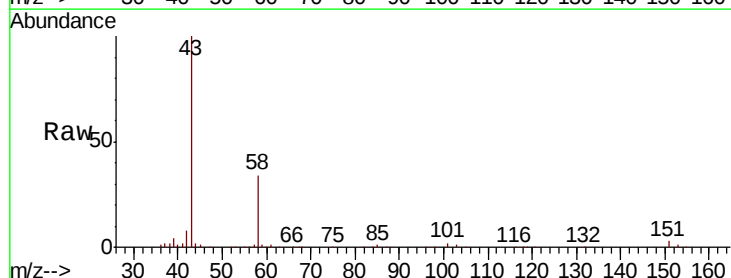
Acq: 13 Aug 2019 12:15

Tgt Ion: 43 Resp: 447084

Ion Ratio Lower Upper

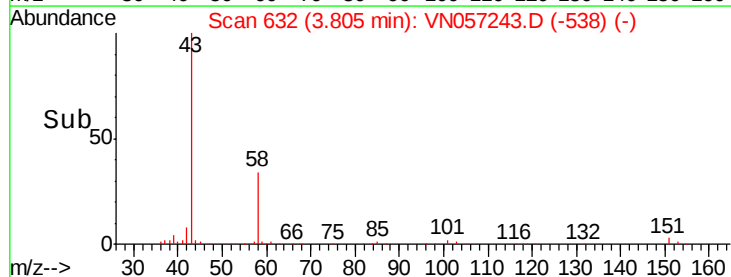
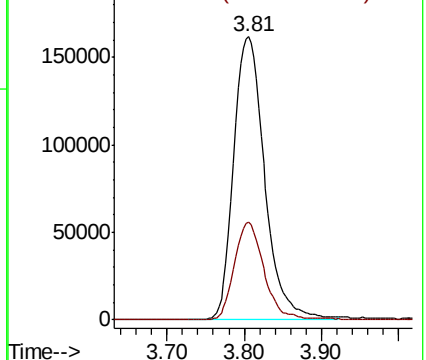
43 100

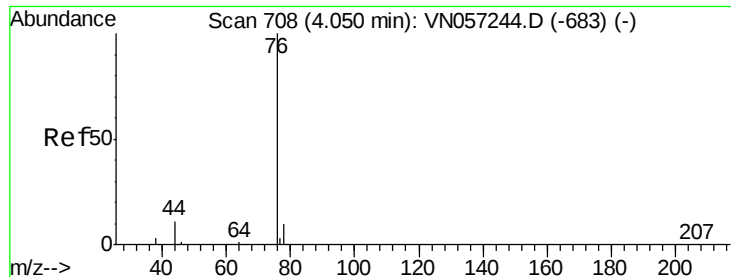
58 34.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.609 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

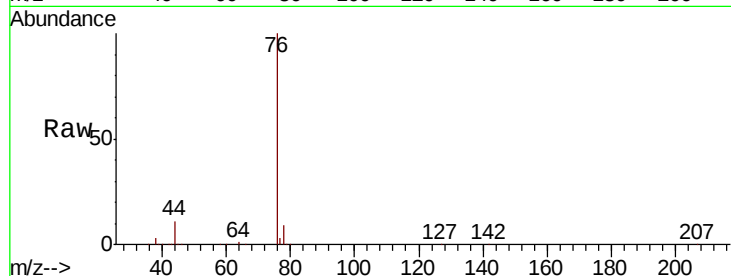
VSTDIC020

Tgt Ion: 76 Resp: 541166

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN057243.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN057243.D (-615) (-)

4.05

200000

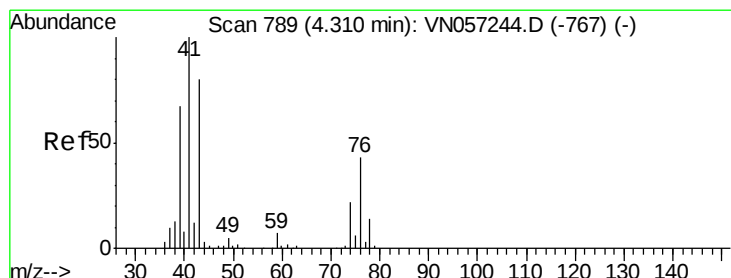
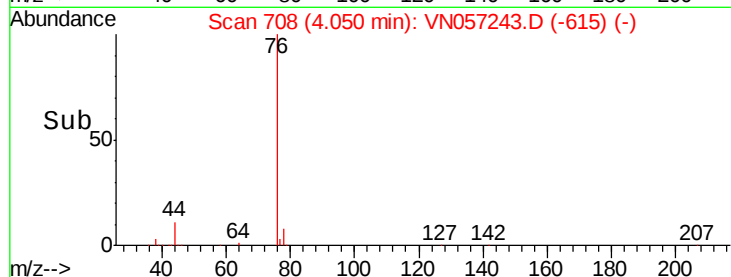
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 13.407 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057243.D

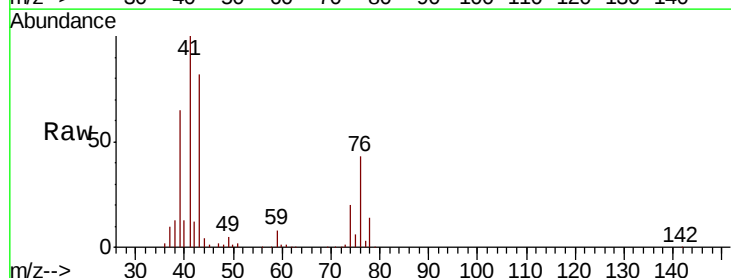
Acq: 13 Aug 2019 12:15

Tgt Ion: 43 Resp: 221325

Ion Ratio Lower Upper

43 100

74 25.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN057243.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN057243.D (-696) (-)

4.31

80000

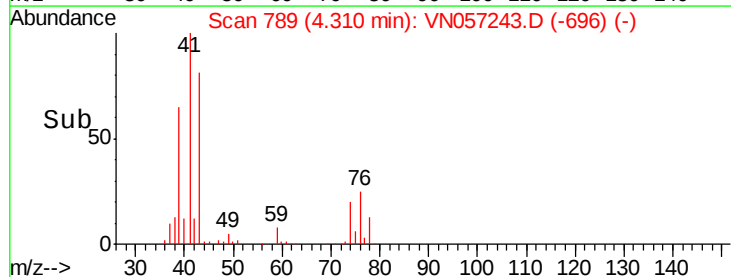
60000

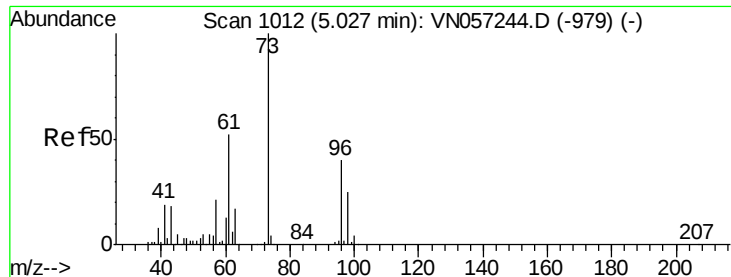
40000

20000

0

Time-->

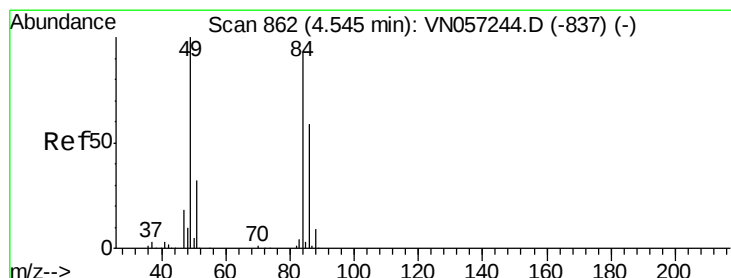
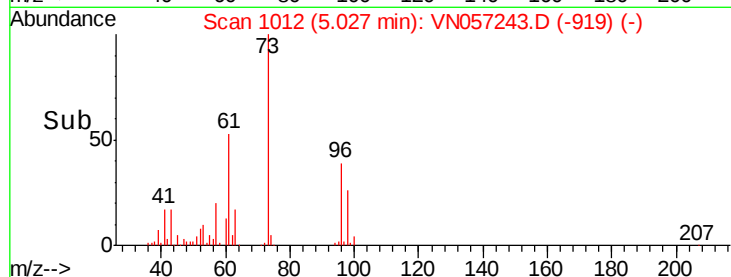
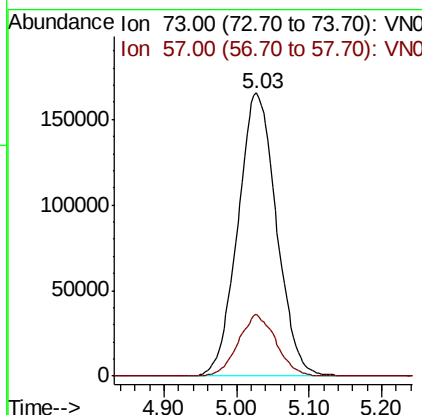
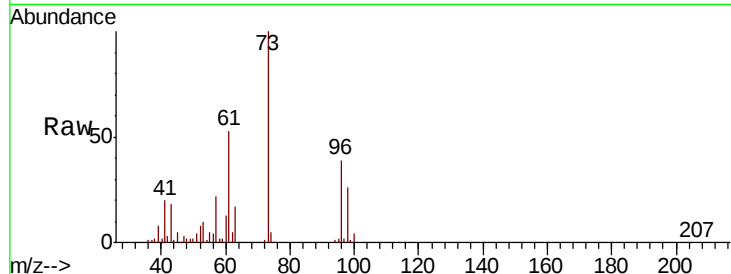




#19
Methyl tert-butyl Ether
Concen: 16.793 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

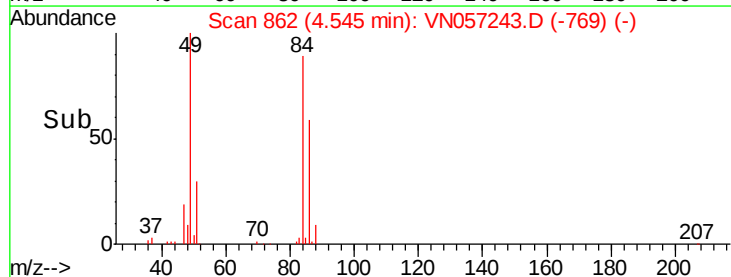
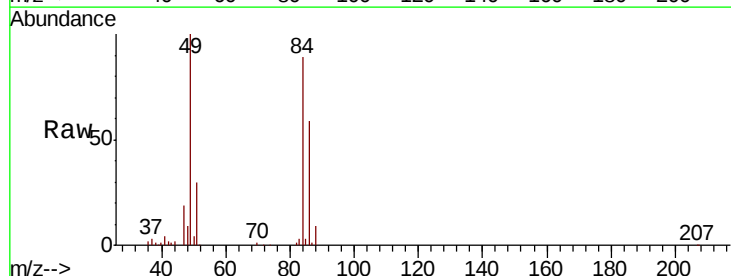
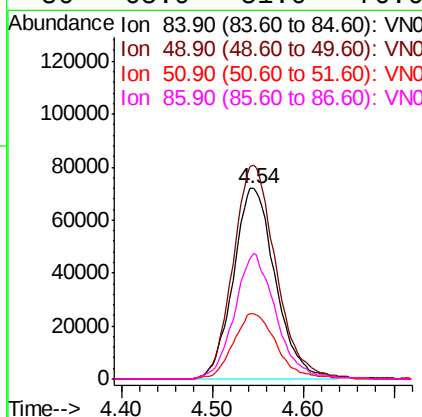
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

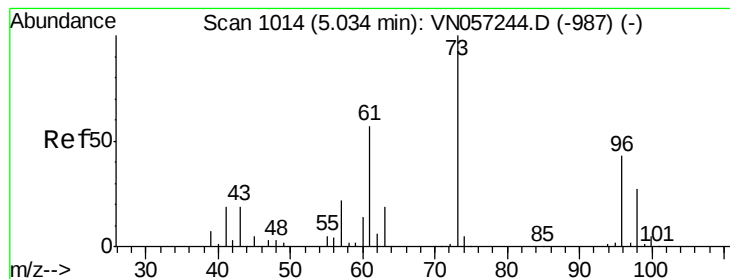
Tgt Ion: 73 Resp: 612609
Ion Ratio Lower Upper
73 100
57 21.8 17.1 25.7



#20
Methylene Chloride
Concen: 16.967 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion: 84 Resp: 231301
Ion Ratio Lower Upper
84 100
49 111.8 85.9 128.9
51 33.9 27.1 40.7
86 65.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 17.953 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

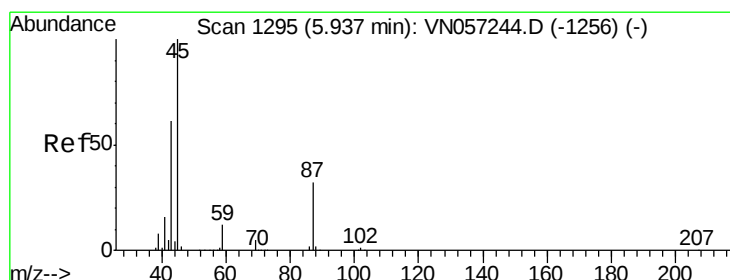
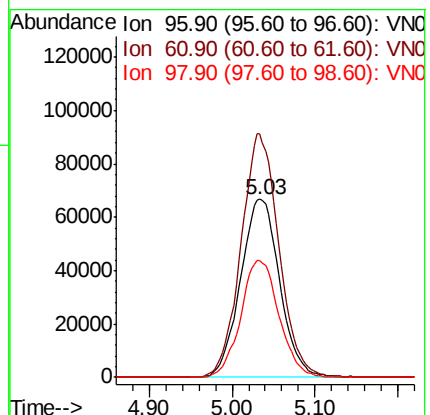
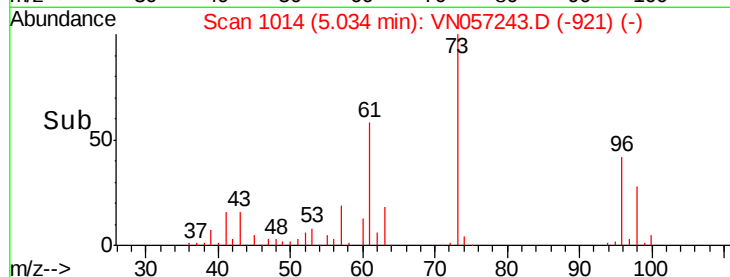
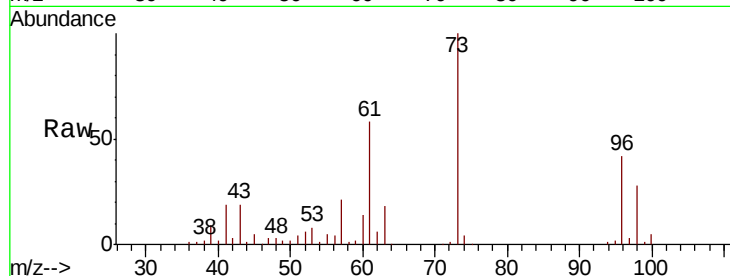
Tgt Ion: 96 Resp: 218970

Ion Ratio Lower Upper

96 100

61 136.5 104.6 156.8

98 66.0 49.7 74.5



#22

Diisopropyl ether

Concen: 16.215 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Tgt Ion: 45 Resp: 624064

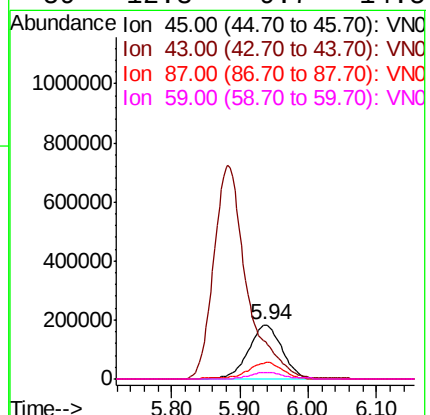
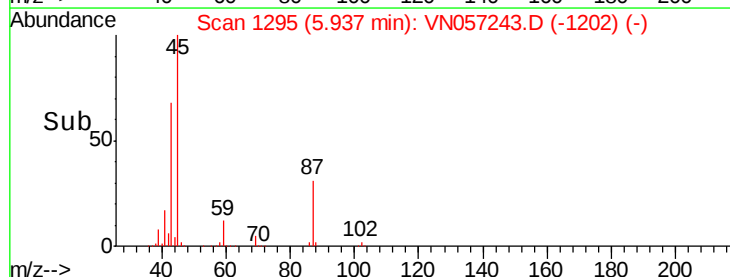
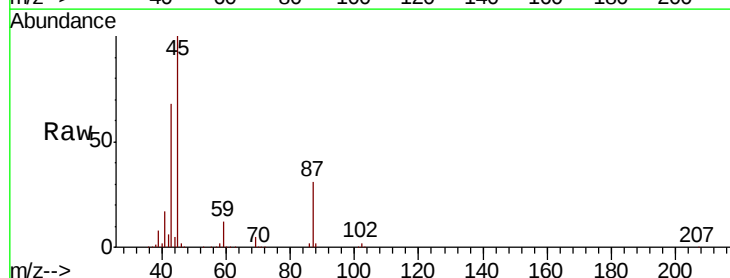
Ion Ratio Lower Upper

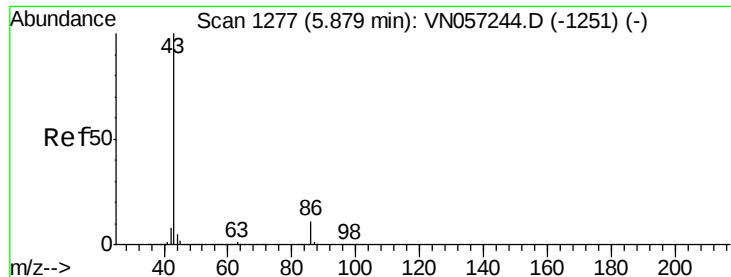
45 100

43 66.3 48.9 73.3

87 30.6 25.5 38.3

59 12.3 9.7 14.5





#23

Vinyl Acetate

Concen: 78.609 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

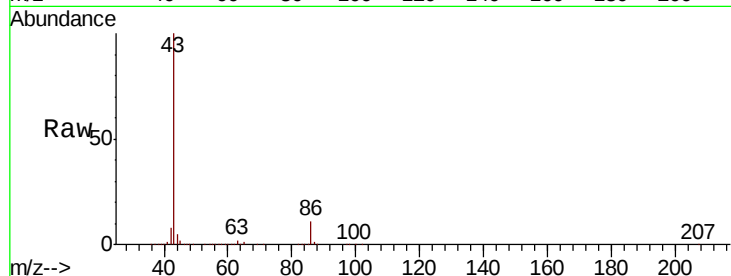
VSTDIC020

Tgt Ion: 43 Resp: 2441775

Ion Ratio Lower Upper

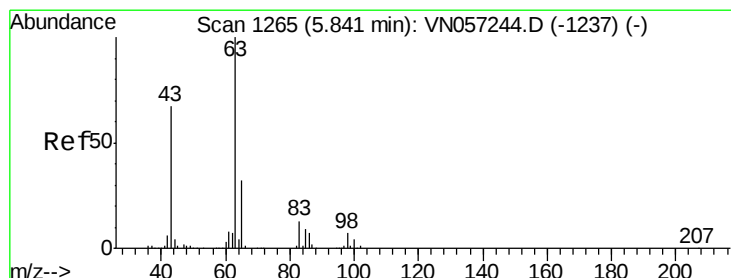
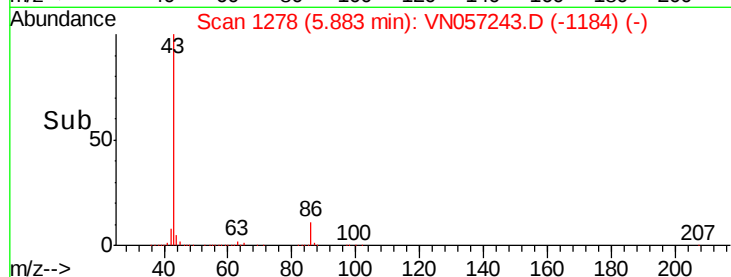
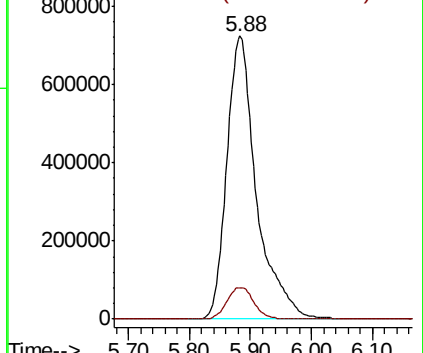
43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN057244.D (-1251) (-)



#24

1,1-Dichloroethane

Concen: 16.902 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

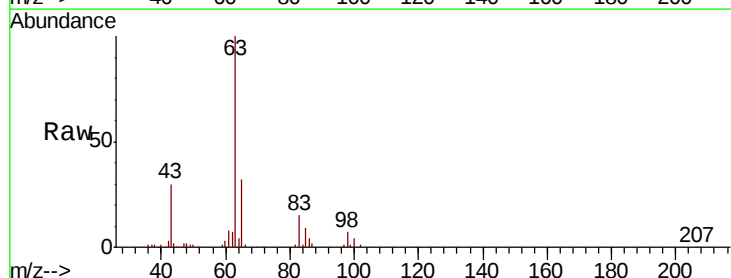
Tgt Ion: 63 Resp: 383134

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

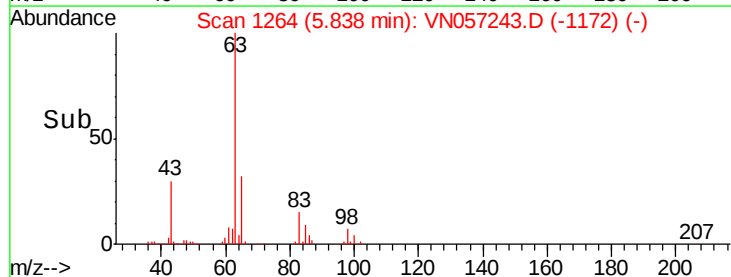
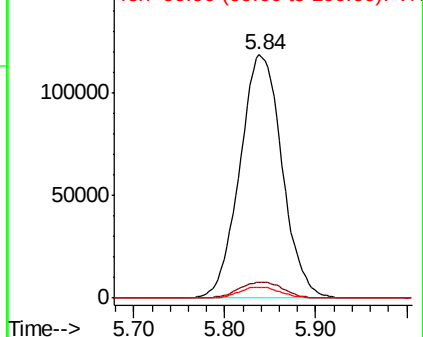
100 4.2 2.1 6.2

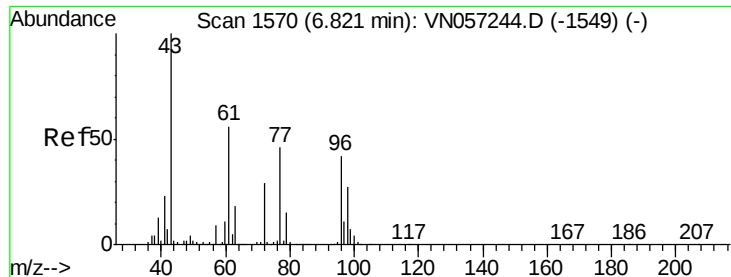


Abundance Ion 62.90 (62.60 to 63.60): VN057244.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN057244.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN057244.D (-1237) (-)

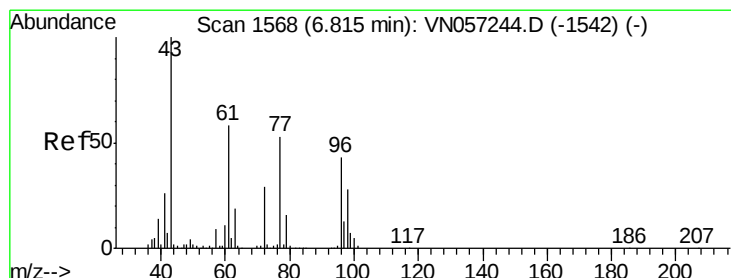
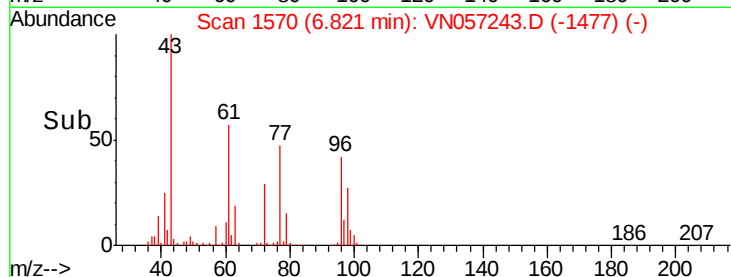
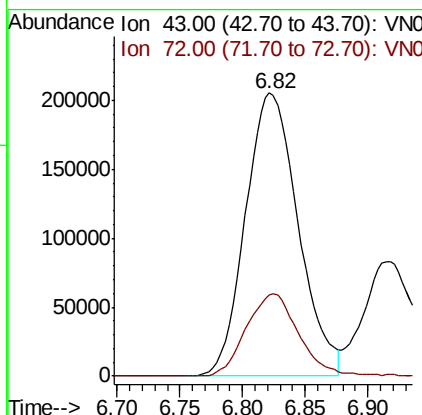
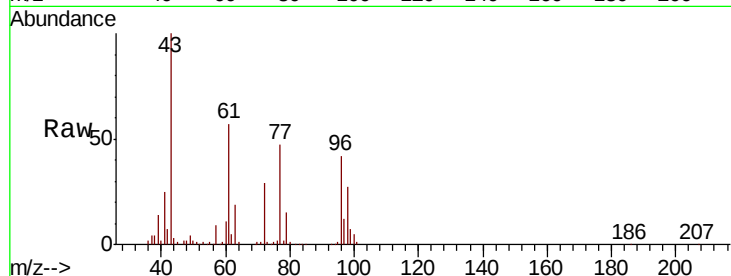




#25
 2-Butanone
 Concen: 68.347 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

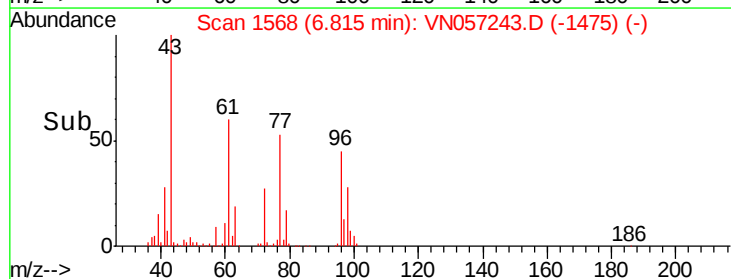
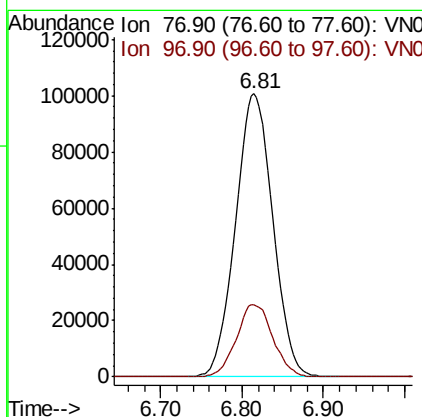
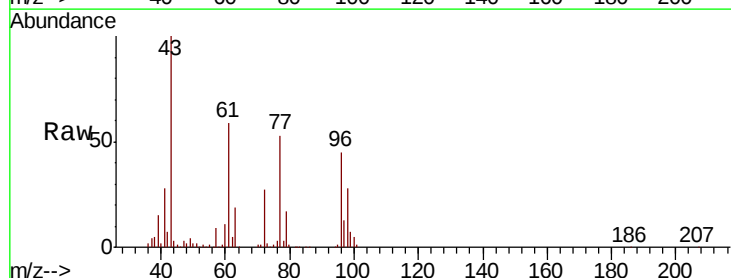
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

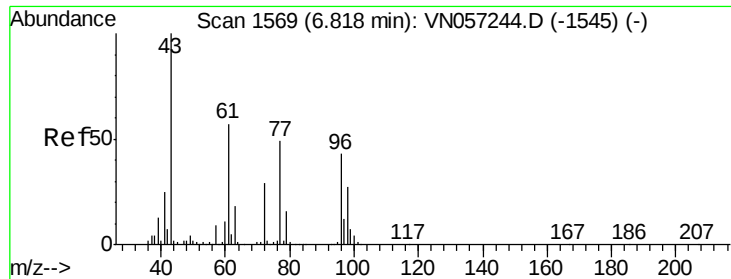
Tgt Ion: 43 Resp: 598407
 Ion Ratio Lower Upper
 43 100
 72 28.8 23.1 34.7



#26
 2,2-Dichloropropane
 Concen: 19.082 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 77 Resp: 319069
 Ion Ratio Lower Upper
 77 100
 97 24.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.015 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

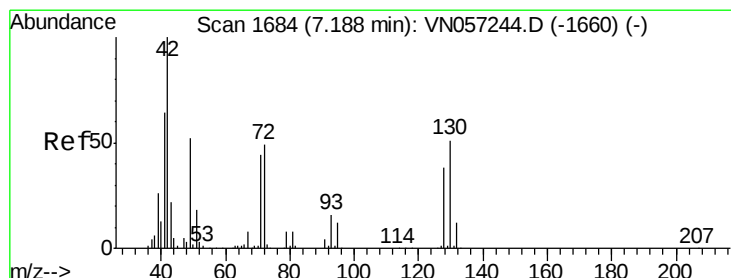
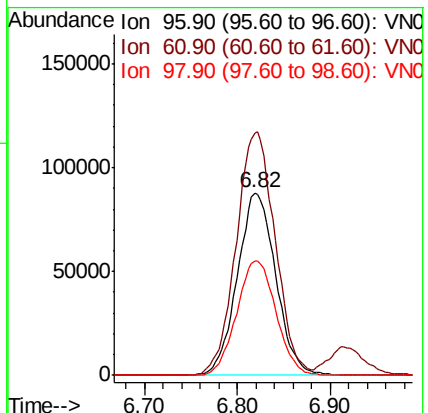
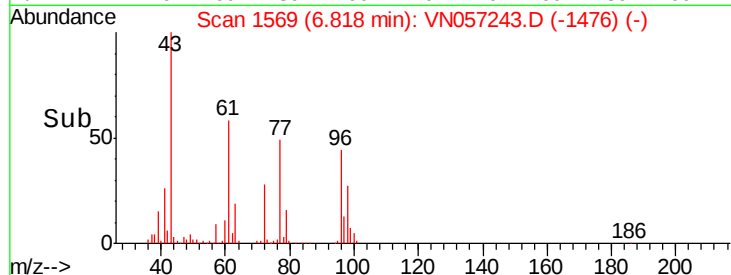
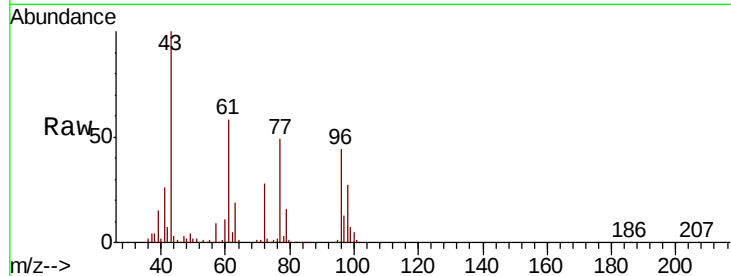
Tgt Ion: 96 Resp: 253032

Ion Ratio Lower Upper

96 100

61 135.3 0.0 271.0

98 64.4 0.0 129.2



#28

Bromochloromethane

Concen: 17.691 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

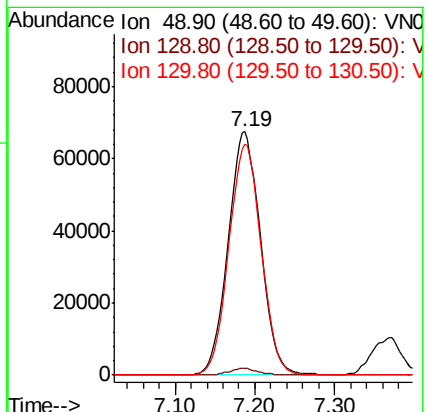
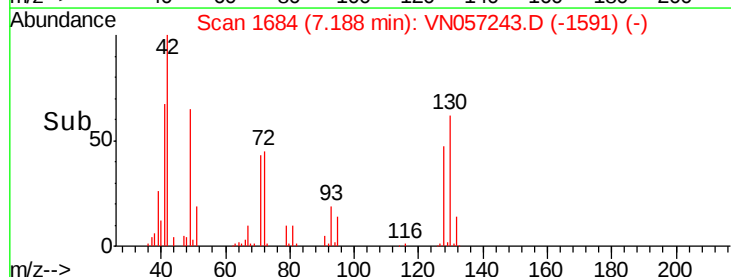
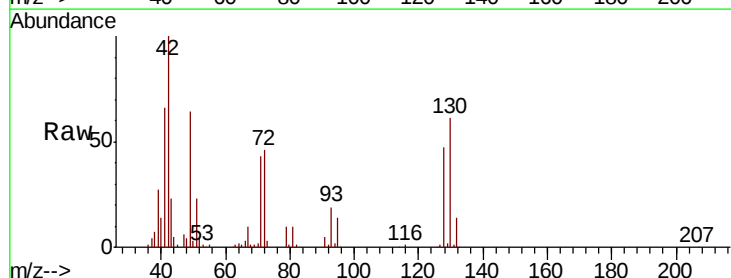
Tgt Ion: 49 Resp: 185134

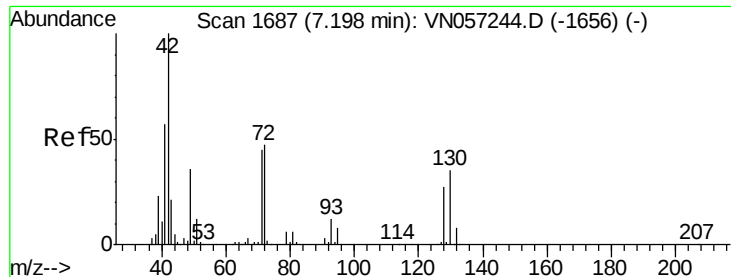
Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.0

130 94.5 75.6 113.4





#29

Tetrahydrofuran

Concen: 65.529 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

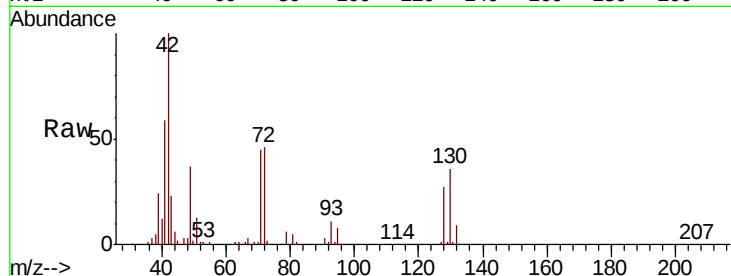
Tgt Ion: 42 Resp: 372575

Ion Ratio Lower Upper

42 100

72 46.5 37.6 56.4

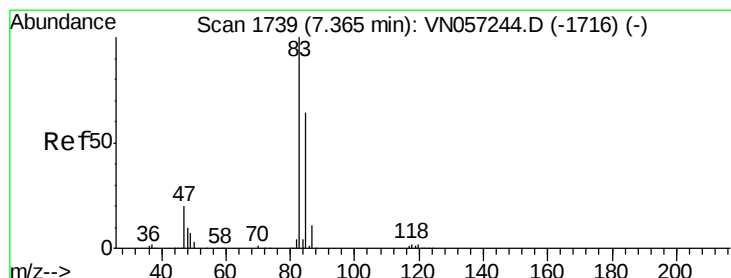
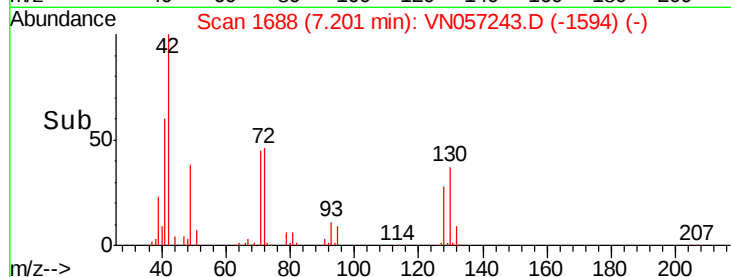
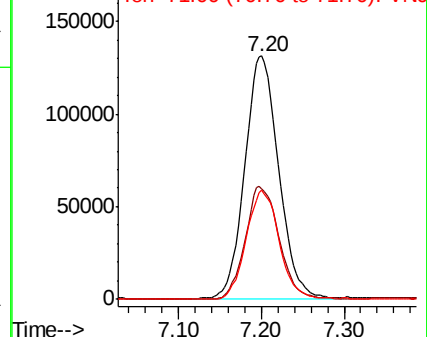
71 43.7 35.6 53.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 17.617 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN057243.D

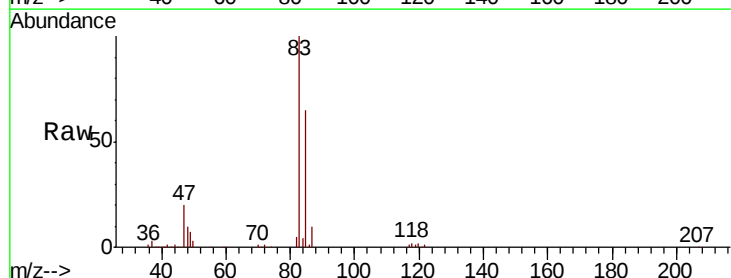
Acq: 13 Aug 2019 12:15

Tgt Ion: 83 Resp: 402576

Ion Ratio Lower Upper

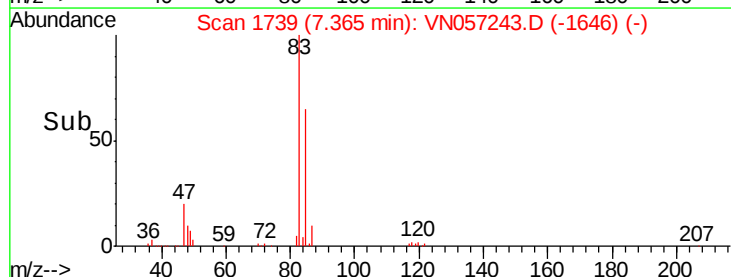
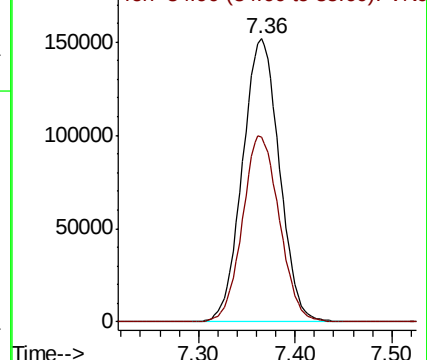
83 100

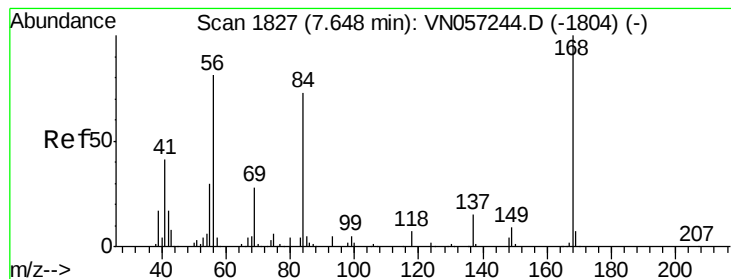
85 65.3 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.119 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

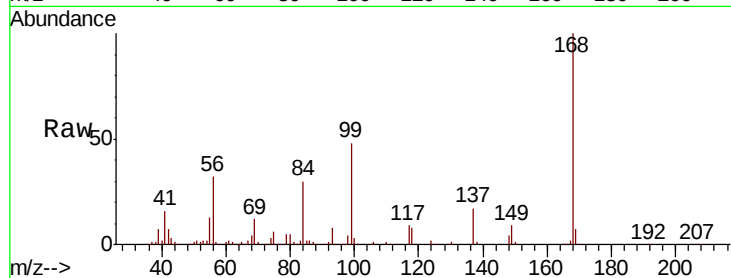
Tgt Ion: 56 Resp: 340514

Ion Ratio Lower Upper

56 100

69 38.8 27.8 41.8

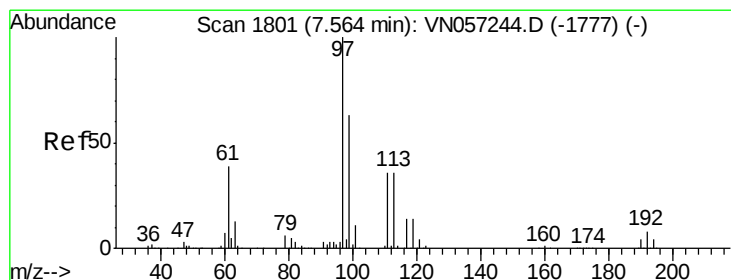
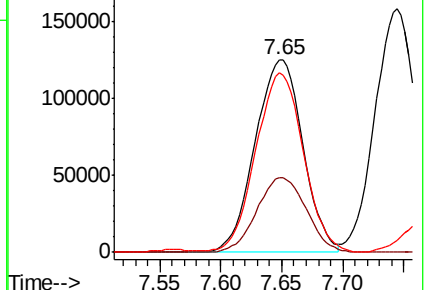
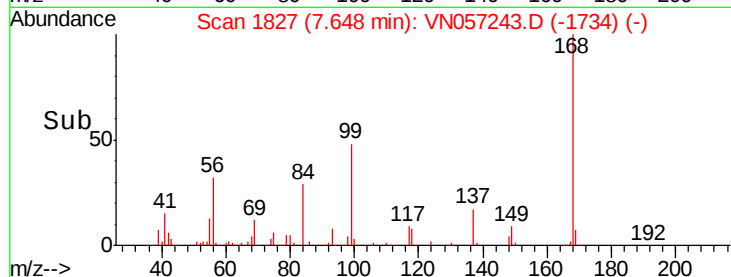
84 91.8 72.0 108.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.022 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

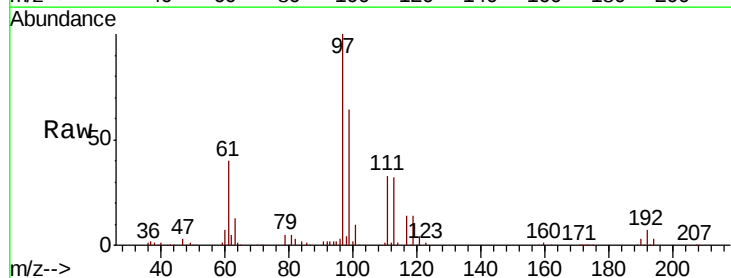
Tgt Ion: 97 Resp: 347462

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

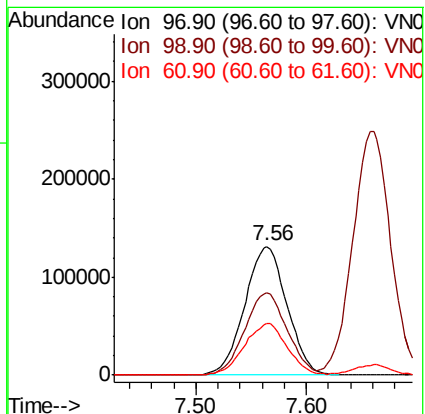
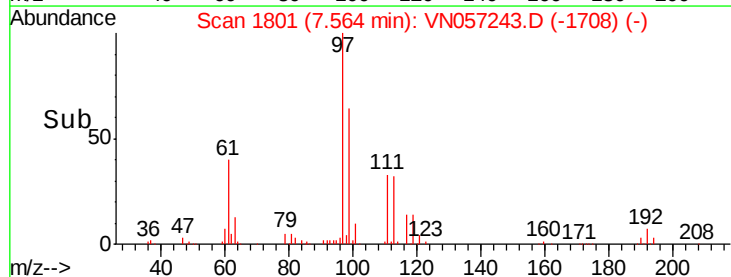
61 40.9 32.1 48.1

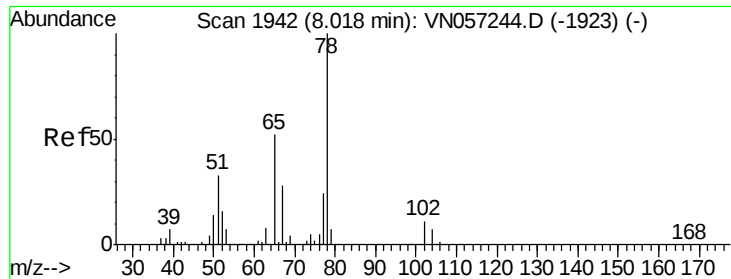


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

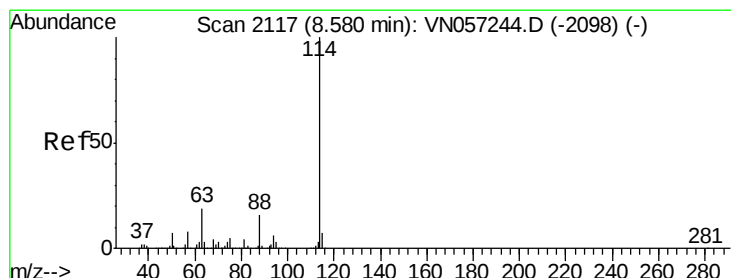
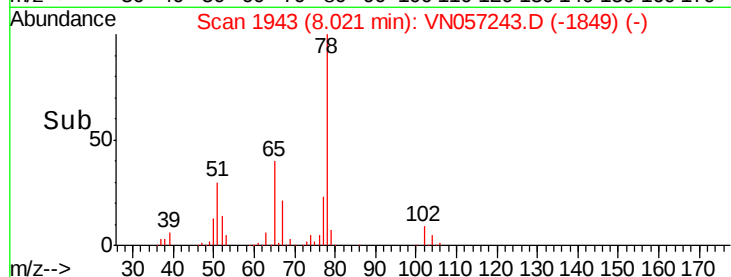
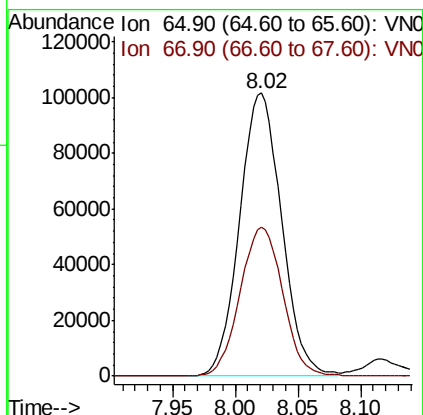
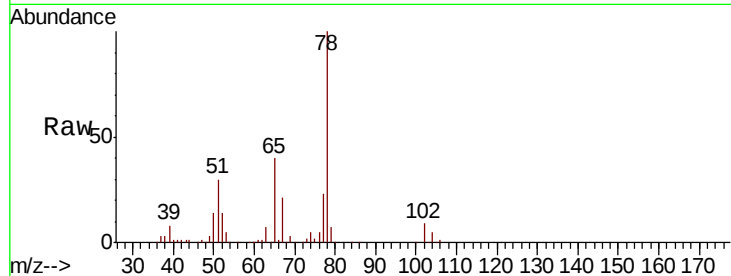




#33
 1,2-Dichloroethane-d4
 Concen: 17.432 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

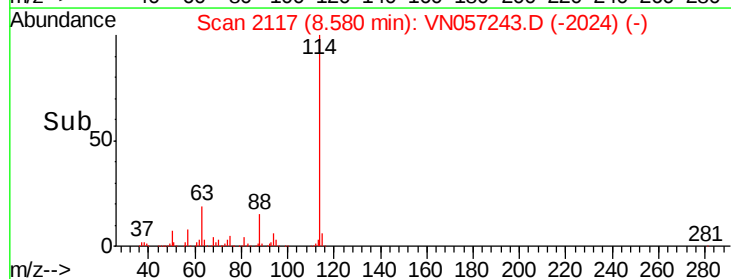
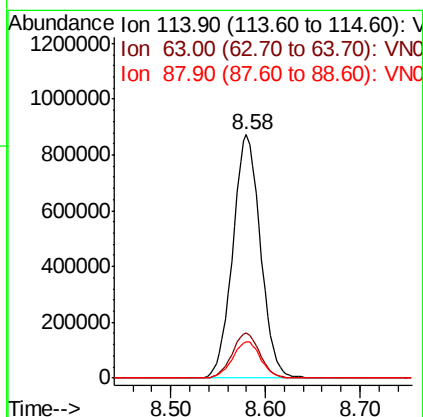
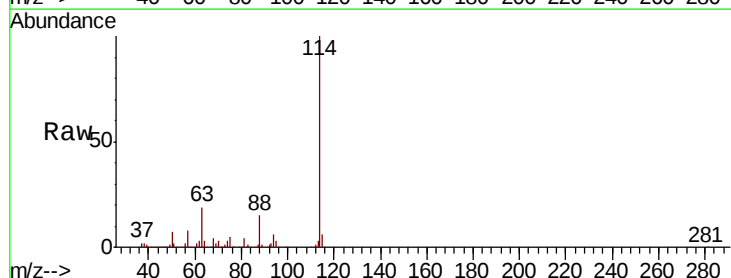
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

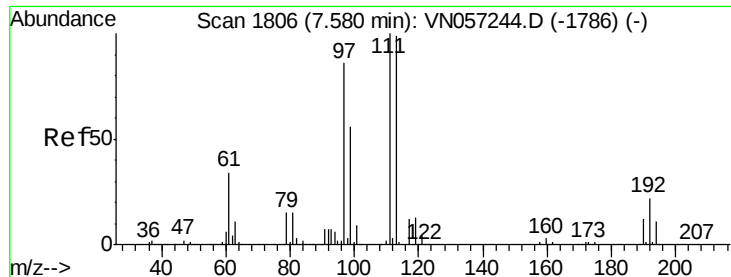
Tgt Ion: 65 Resp: 236946
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 114 Resp: 1774530
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 15.1 0.0 31.0

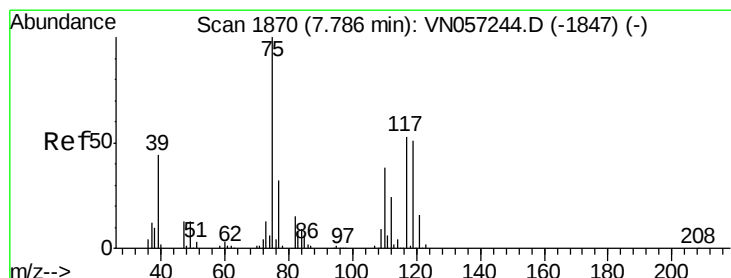
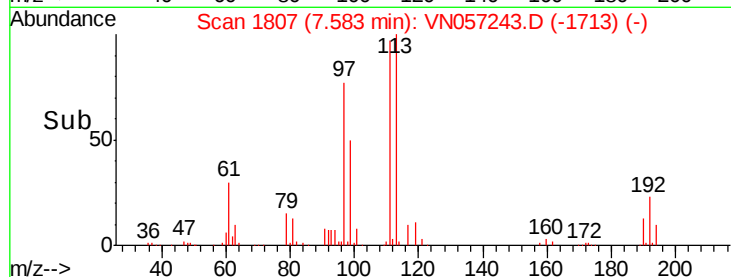
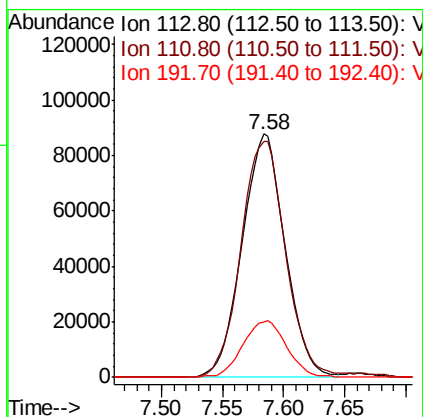
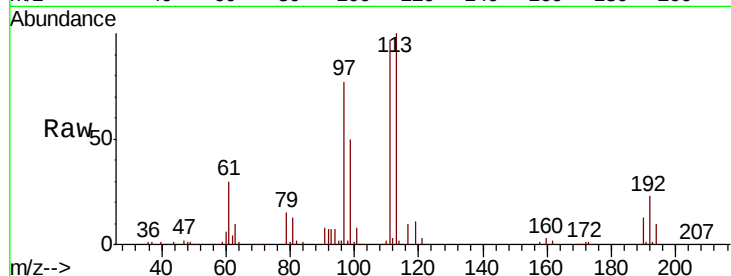




#35
 Dibromofluoromethane
 Concen: 19.127 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

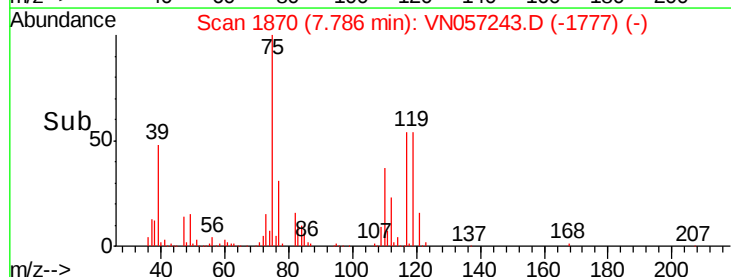
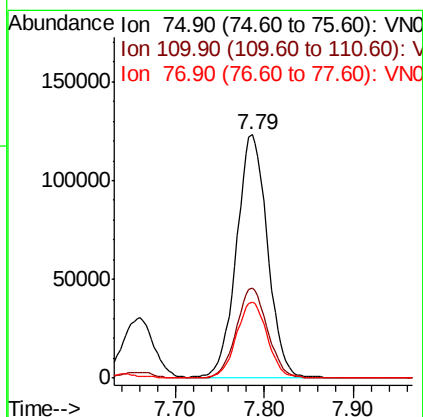
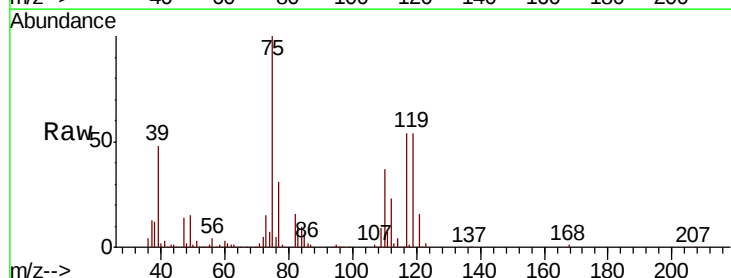
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

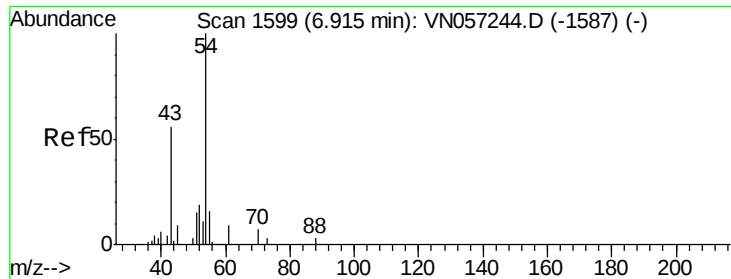
Tgt Ion: 113 Resp: 213809
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.2
 192 23.7 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 18.194 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 75 Resp: 297955
 Ion Ratio Lower Upper
 75 100
 110 37.0 19.1 57.1
 77 31.3 25.2 37.8

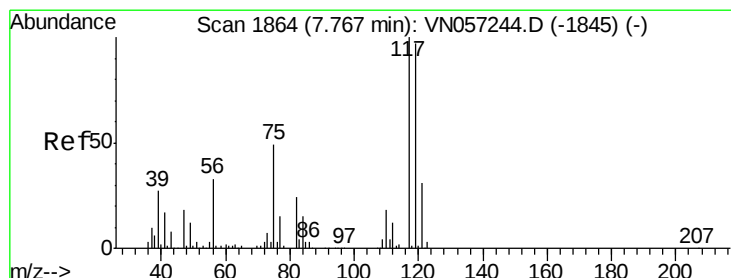
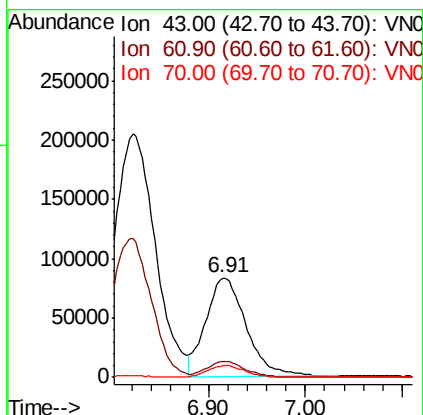
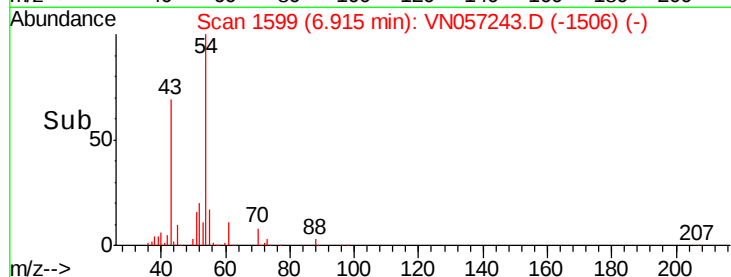
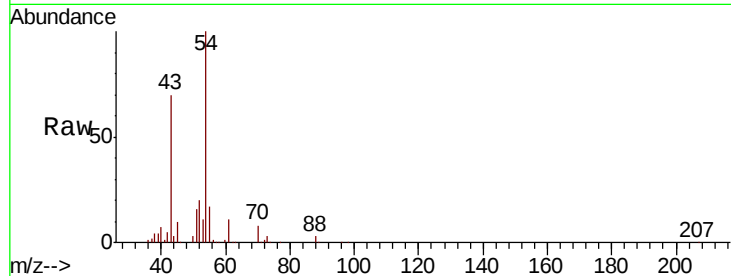




#37
 Ethyl Acetate
 Concen: 15.517 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

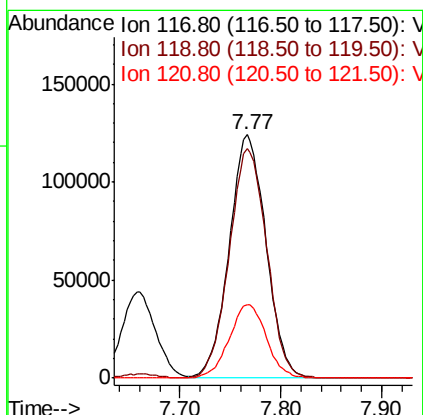
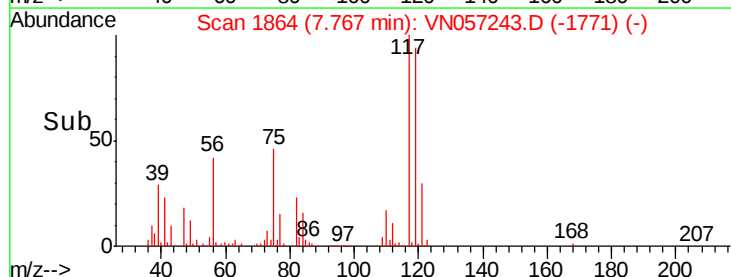
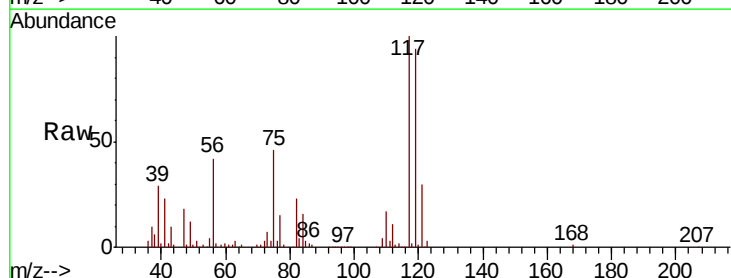
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

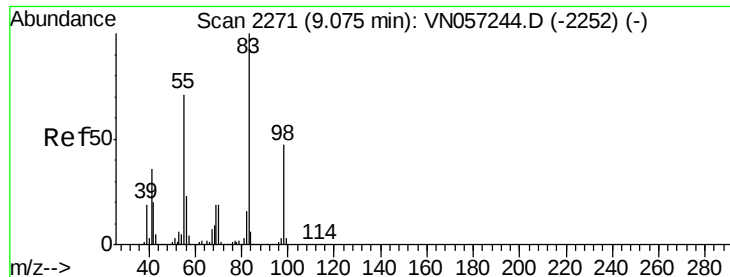
Tgt Ion: 43 Resp: 240172
 Ion Ratio Lower Upper
 43 100
 61 15.3 12.7 19.1
 70 11.3 9.0 13.4



#38
 Carbon Tetrachloride
 Concen: 20.103 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 117 Resp: 314302
 Ion Ratio Lower Upper
 117 100
 119 94.2 77.8 116.6
 121 30.1 24.9 37.3

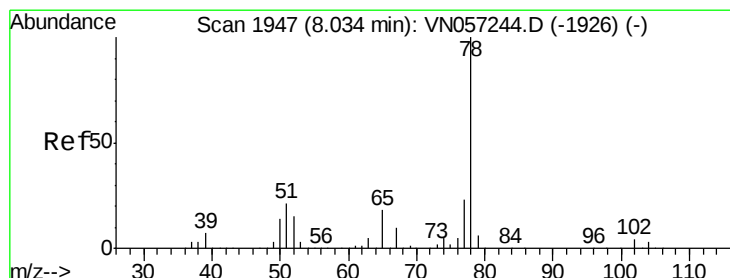
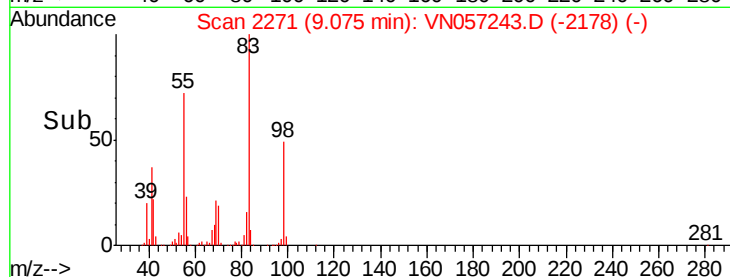
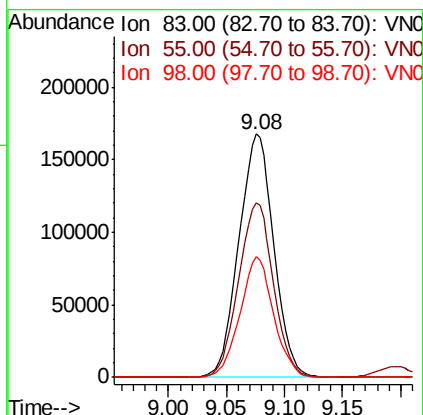
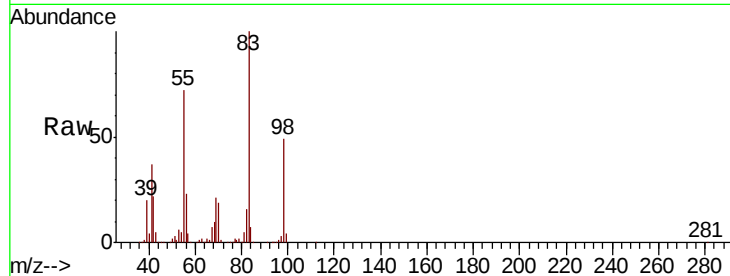




#39
Methylcyclohexane
Concen: 17.469 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

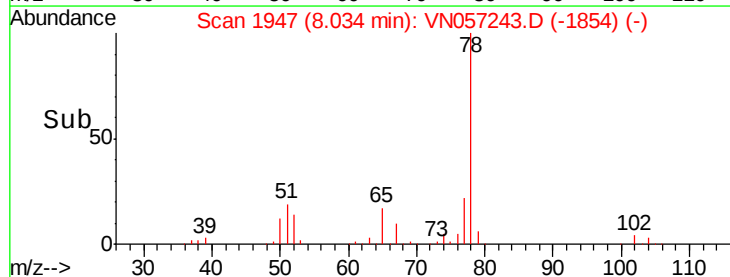
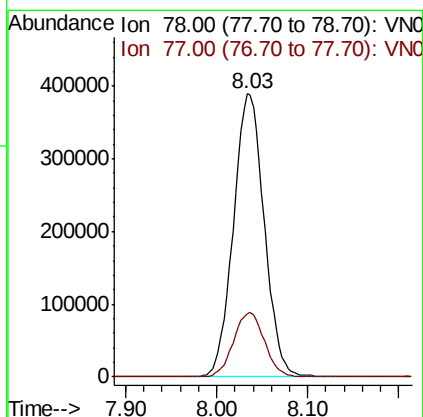
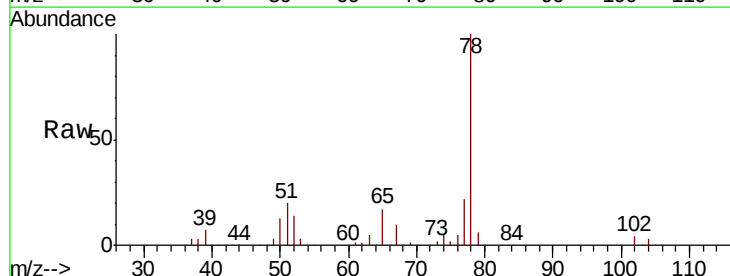
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

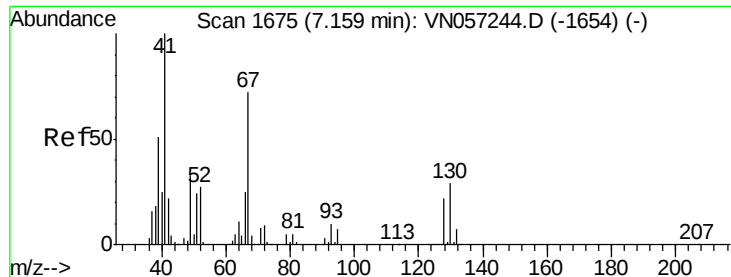
Tgt Ion: 83 Resp: 350838
Ion Ratio Lower Upper
83 100
55 71.7 57.0 85.4
98 49.4 37.2 55.8



#40
Benzene
Concen: 18.321 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion: 78 Resp: 915057
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.4

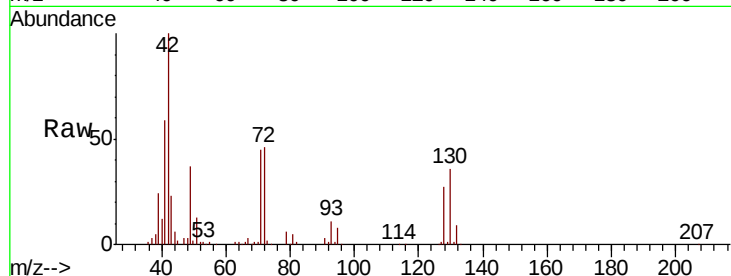




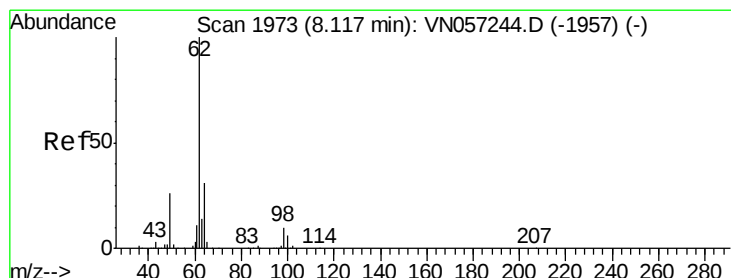
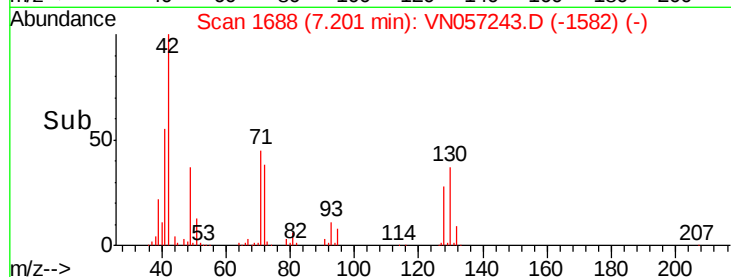
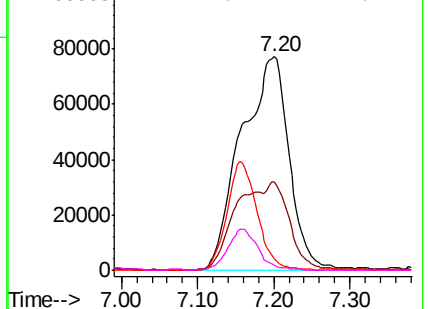
#41
Methacrylonitrile
Concen: 49.887 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.04 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	335682
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

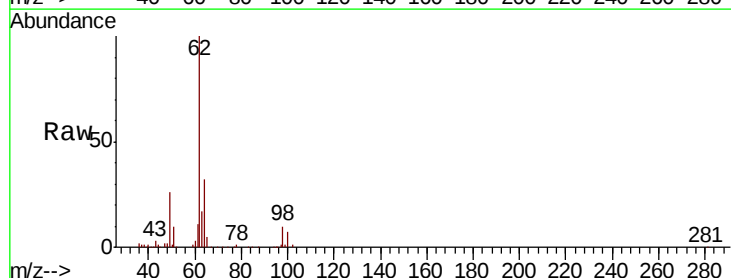


Abundance Ion 41.00 (40.70 to 41.70): VN0
120000 Ion 39.00 (38.70 to 39.70): VN0
100000 Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

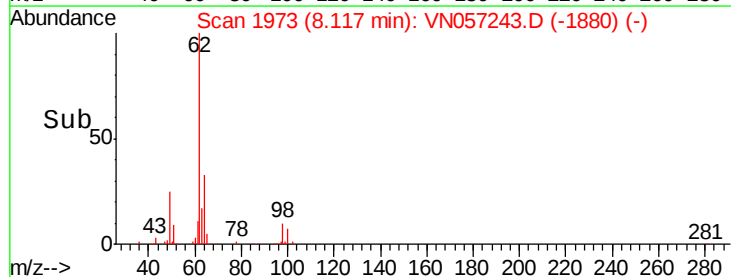
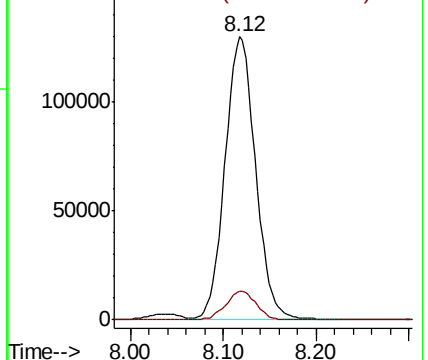


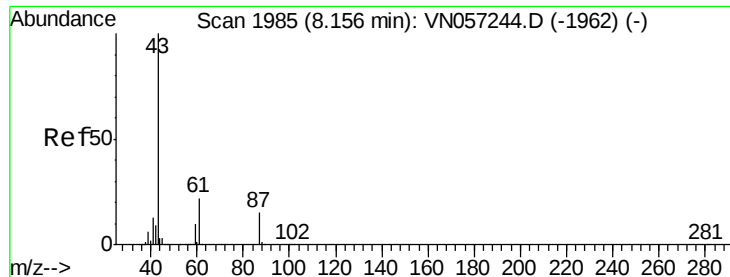
#42
1,2-Dichloroethane
Concen: 18.617 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion:	62	Resp:	295303
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
150000 Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 16.044 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

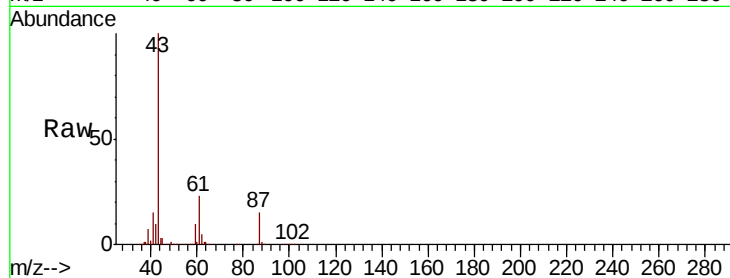
Tgt Ion: 43 Resp: 396150

Ion Ratio Lower Upper

43 100

61 29.9 23.5 35.3

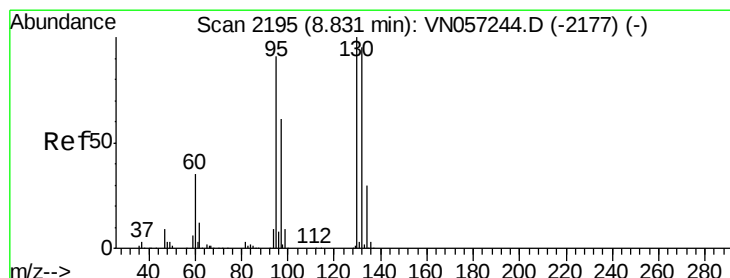
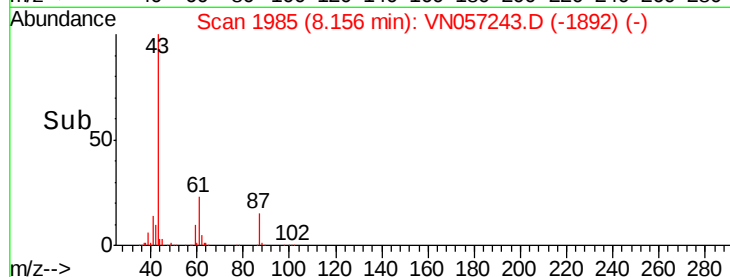
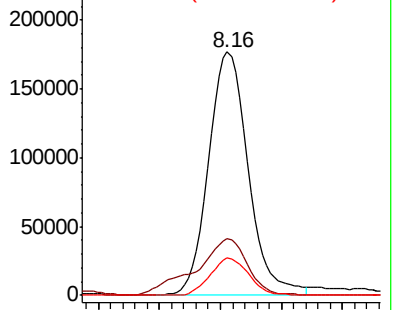
87 14.8 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN057243.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN057243.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN057243.D (-1962) (-)



#44

Trichloroethene

Concen: 18.881 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057243.D

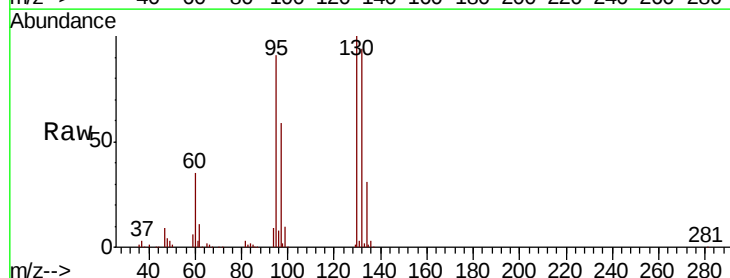
Acq: 13 Aug 2019 12:15

Tgt Ion: 130 Resp: 259332

Ion Ratio Lower Upper

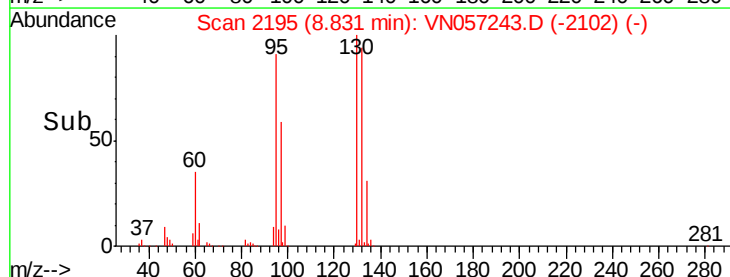
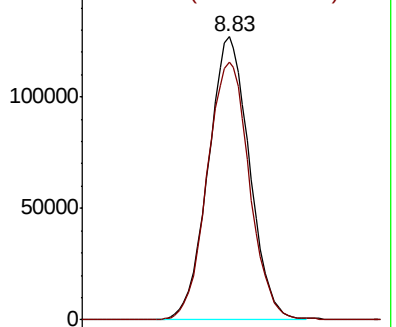
130 100

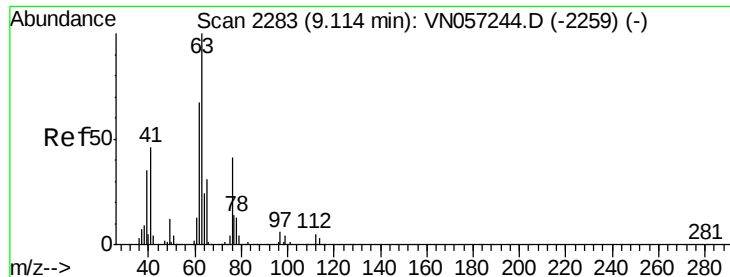
95 90.9 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN057243.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057243.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 17.703 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

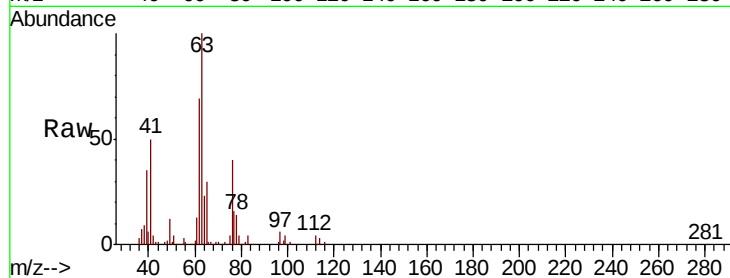
VSTDIC020

Tgt Ion: 63 Resp: 232916

Ion Ratio Lower Upper

63 100

65 29.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

120000

100000

80000

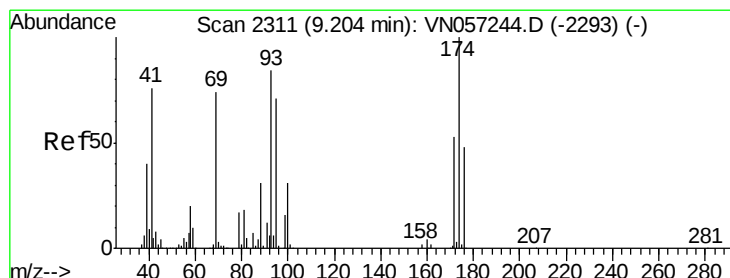
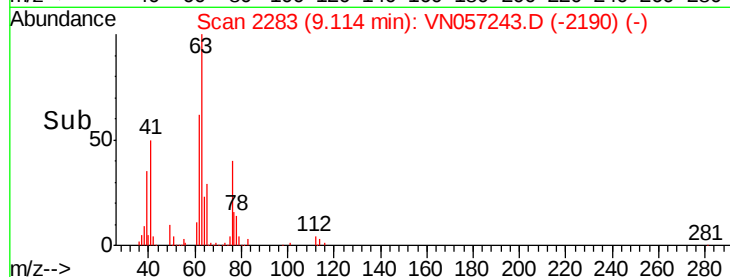
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 18.942 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

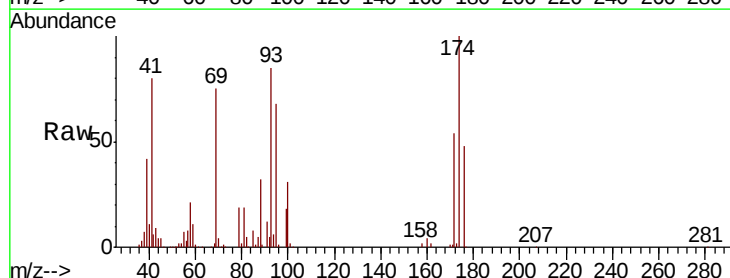
Tgt Ion: 93 Resp: 156248

Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.4

174 118.9 96.2 144.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

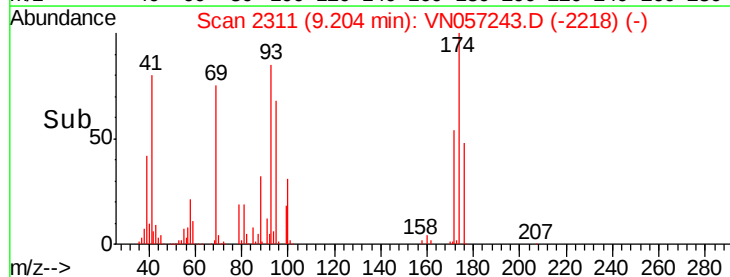
60000

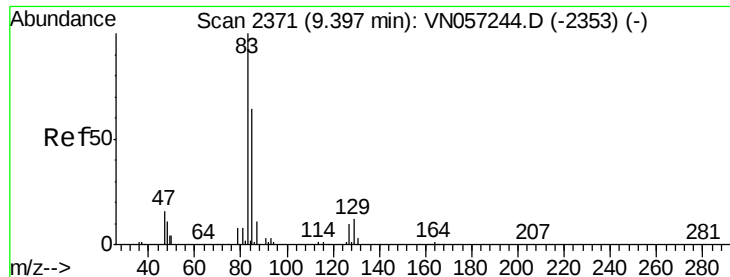
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.154 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

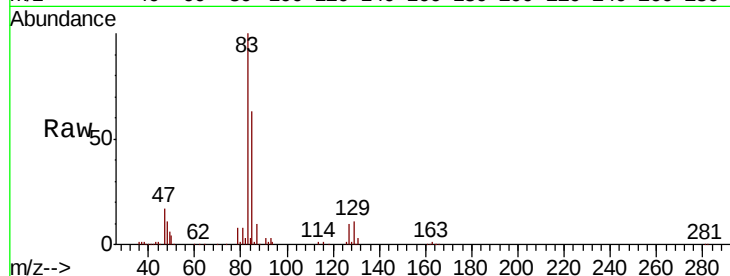
Tgt Ion: 83 Resp: 302417

Ion Ratio Lower Upper

83 100

85 63.1 51.4 77.0

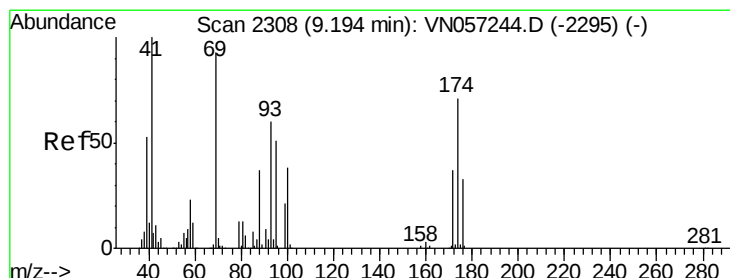
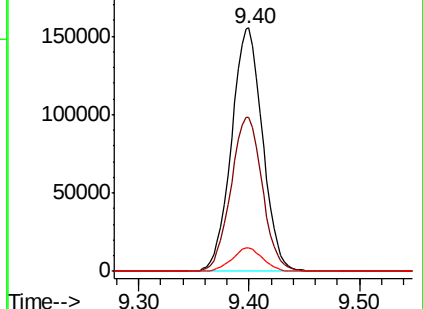
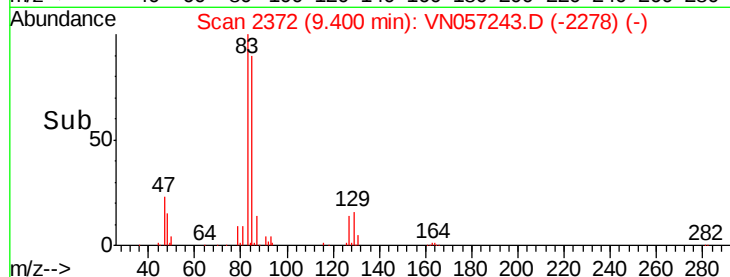
127 9.6 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VN057243.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057243.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057243.D (-2278) (-)



#48

Methyl methacrylate

Concen: 15.221 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

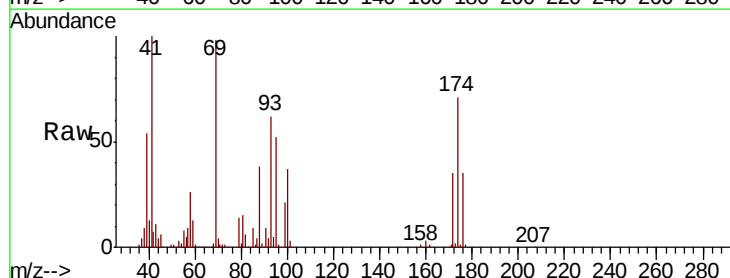
Tgt Ion: 41 Resp: 180596

Ion Ratio Lower Upper

41 100

69 100.8 75.7 113.5

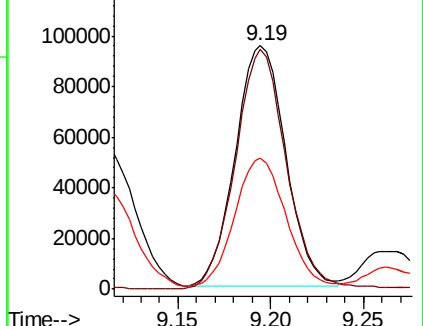
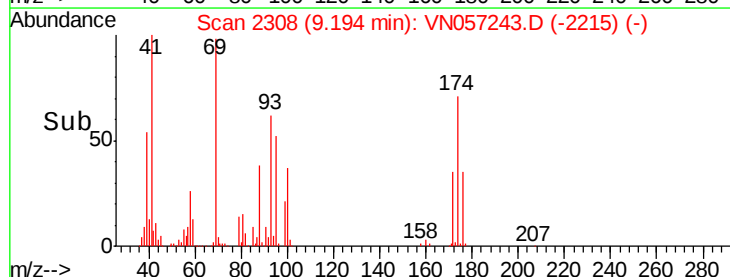
39 53.8 43.3 64.9

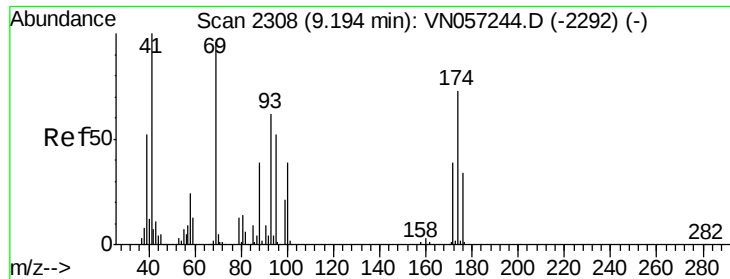


Abundance Ion 41.00 (40.70 to 41.70): VN057243.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057243.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057243.D (-2215) (-)

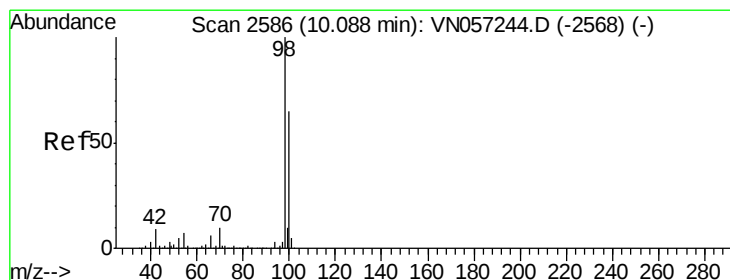
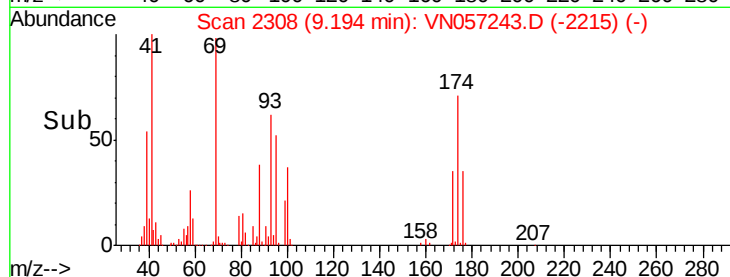
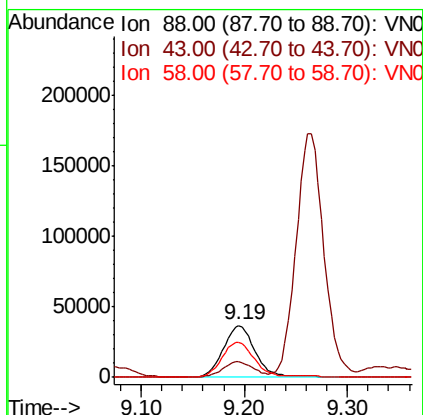
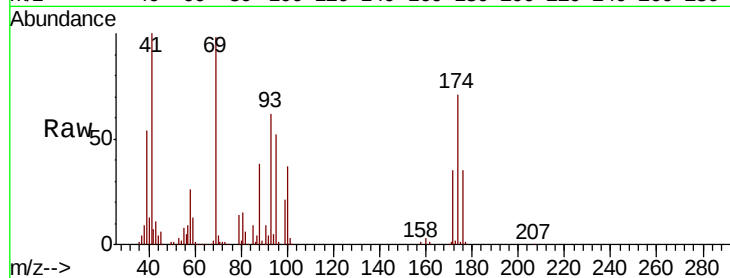




#49
1,4-Dioxane
Concen: 321.915 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

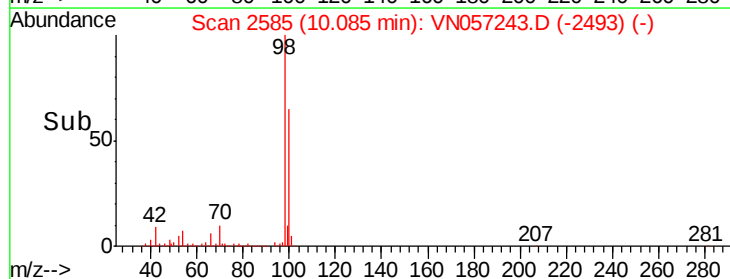
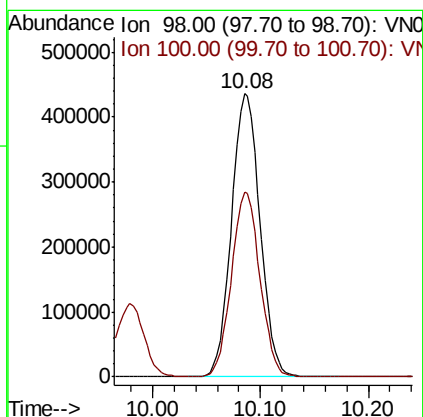
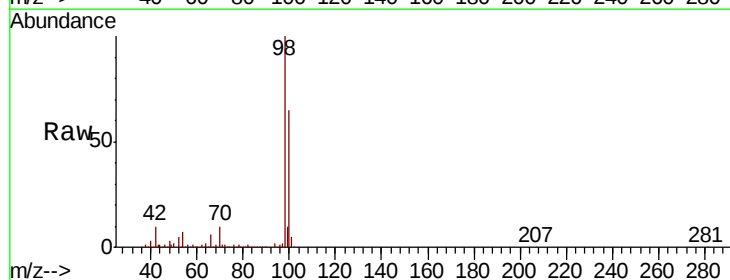
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

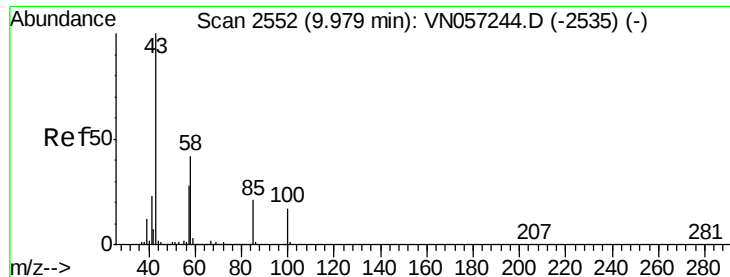
Tgt Ion: 88 Resp: 79621
Ion Ratio Lower Upper
88 100
43 27.5 20.7 31.1
58 68.0 52.0 78.0



#50
Toluene-d8
Concen: 18.644 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion: 98 Resp: 801361
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

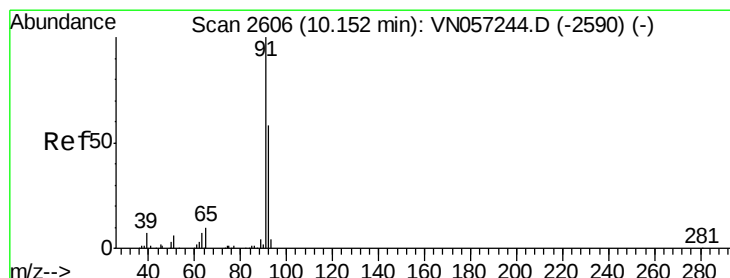
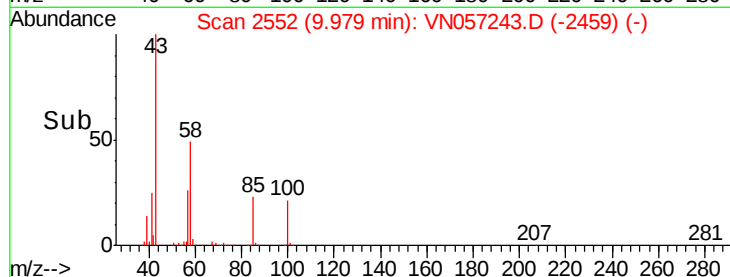
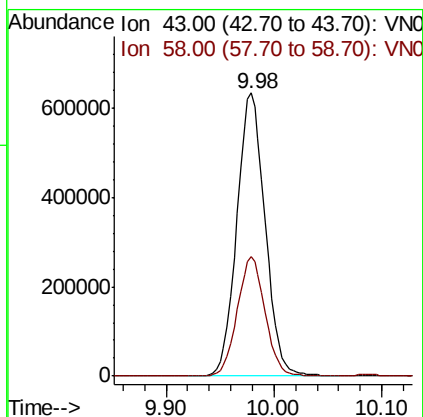
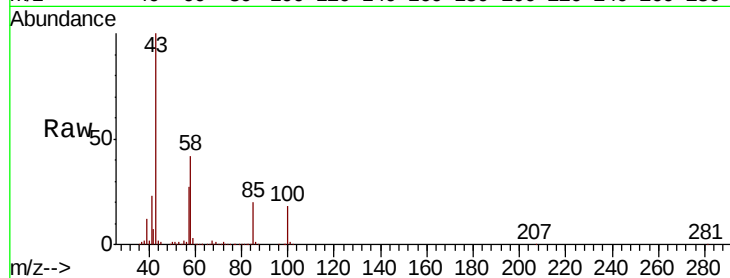




#51
 4-Methyl-2-Pentanone
 Concen: 73.252 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

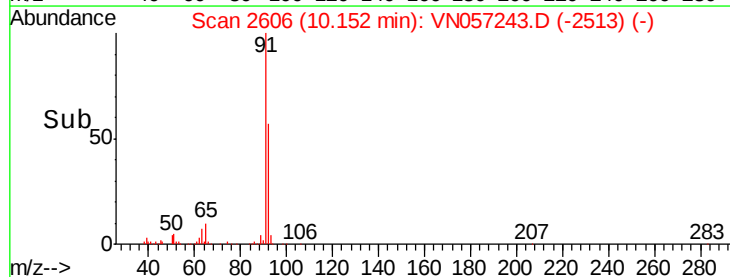
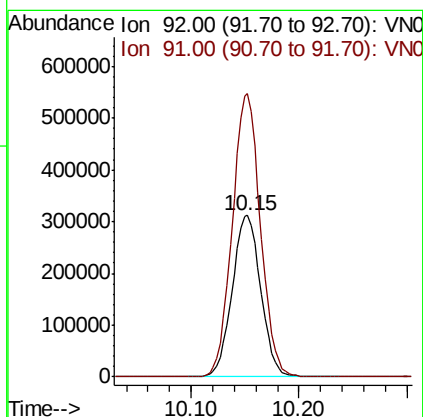
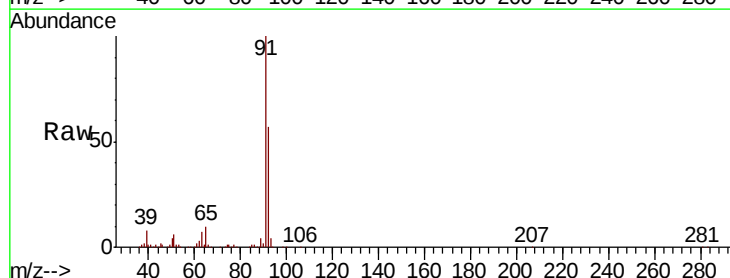
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

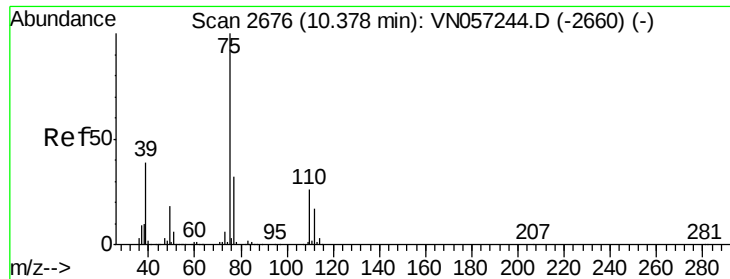
Tgt Ion: 43 Resp: 1154988
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.7 50.5



#52
 Toluene
 Concen: 19.234 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 92 Resp: 574666
 Ion Ratio Lower Upper
 92 100
 91 173.2 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 19.394 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

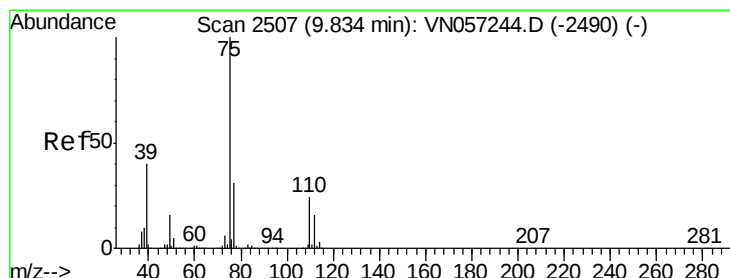
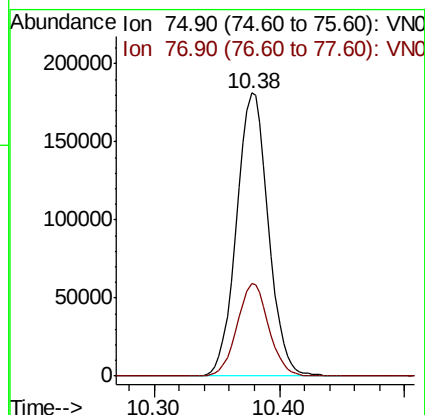
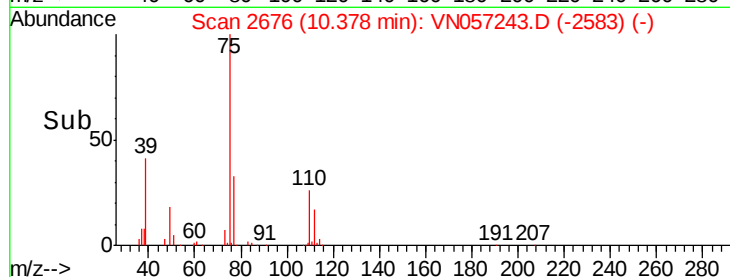
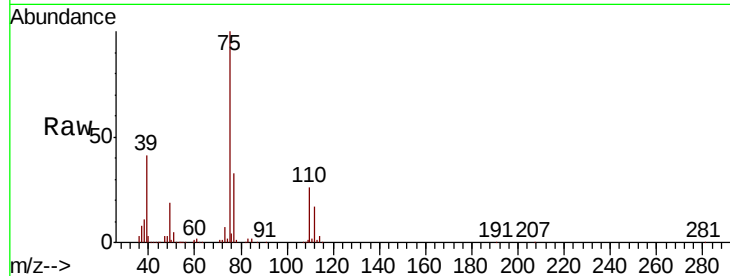
VSTDIC020

Tgt Ion: 75 Resp: 320032

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.322 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

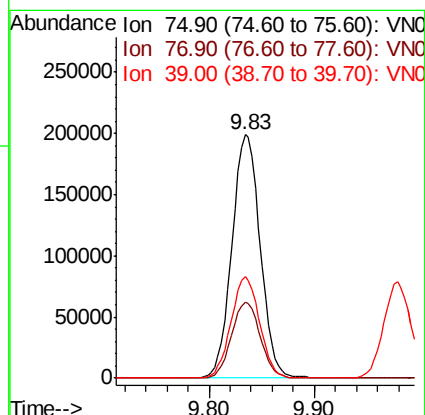
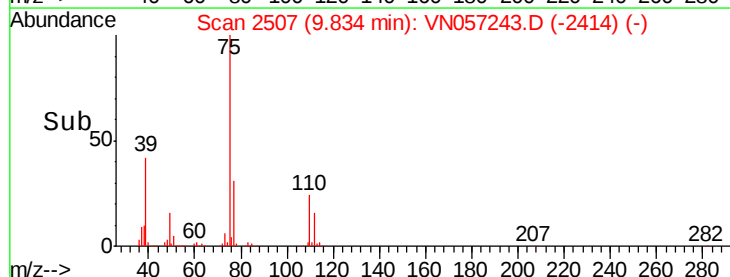
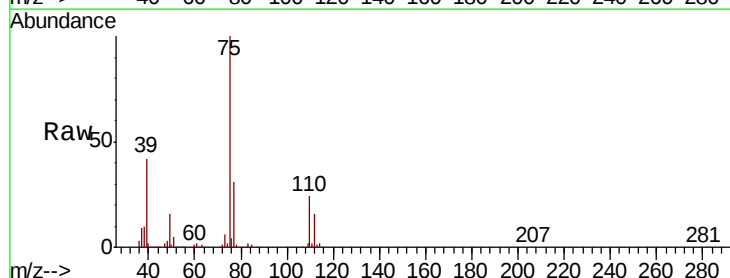
Tgt Ion: 75 Resp: 368436

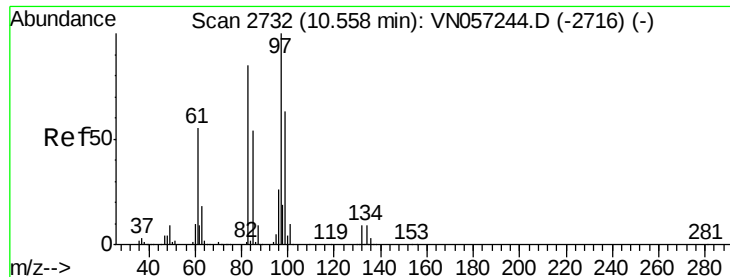
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 41.8 32.3 48.5

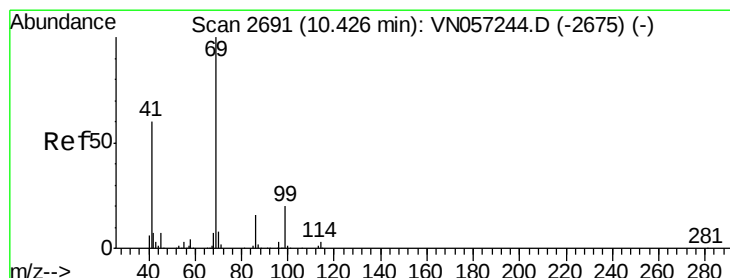
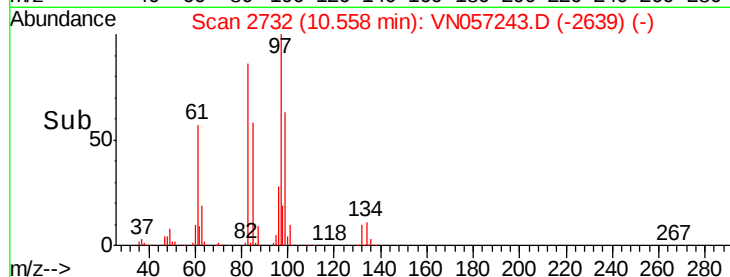
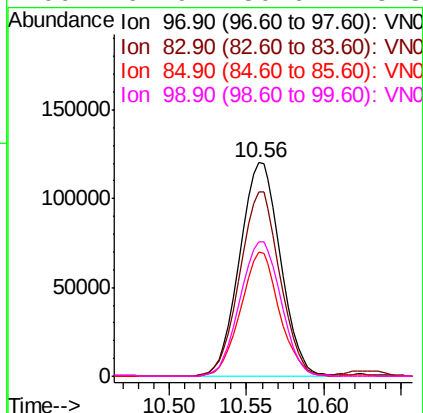
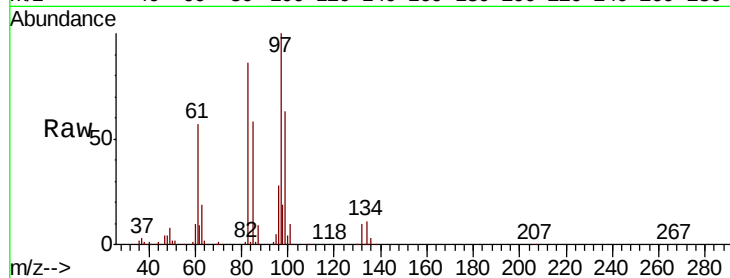




#55
 1,1,2-Trichloroethane
 Concen: 17.815 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

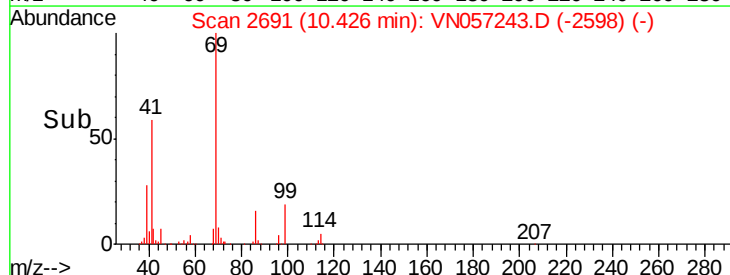
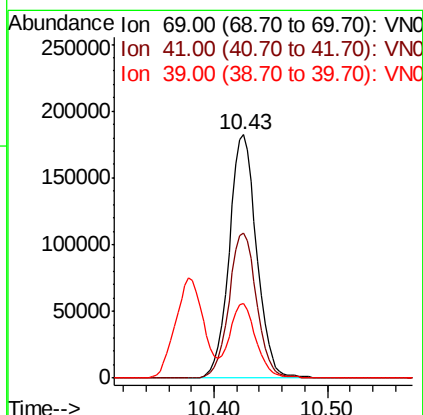
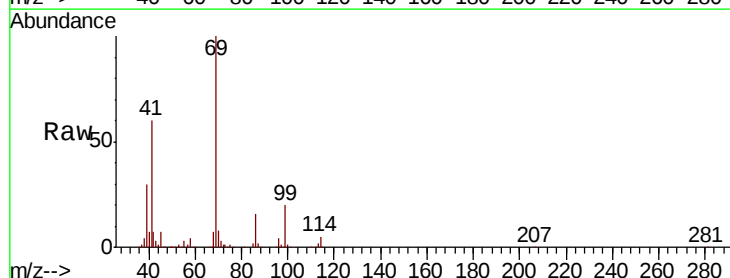
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

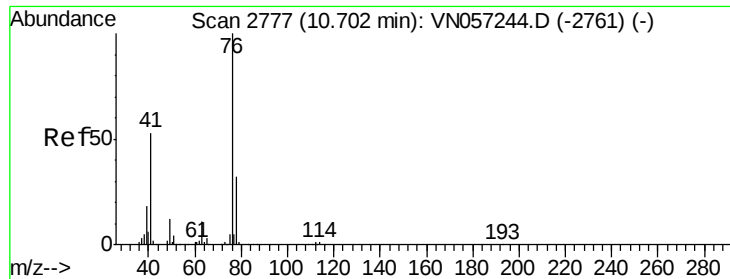
Tgt Ion:	97	Resp:	221230
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.4	102.6
85	57.9	43.0	64.6
99	62.9	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 17.379 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion:	69	Resp:	306978
Ion	Ratio	Lower	Upper
69	100		
41	59.2	47.6	71.4
39	28.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 17.990 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

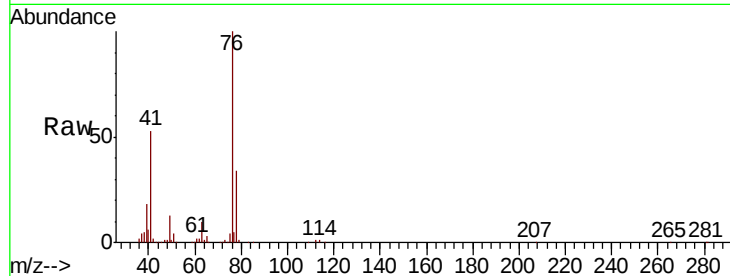
VSTDIC020

Tgt Ion: 76 Resp: 364488

Ion Ratio Lower Upper

76 100

78 33.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

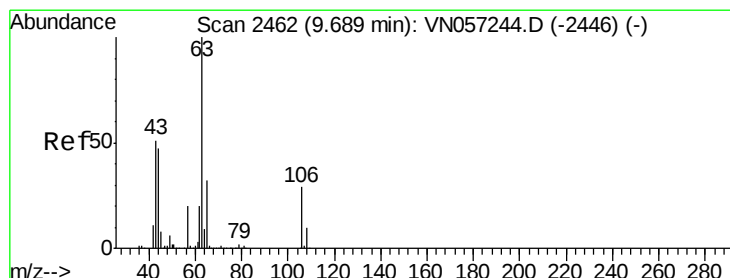
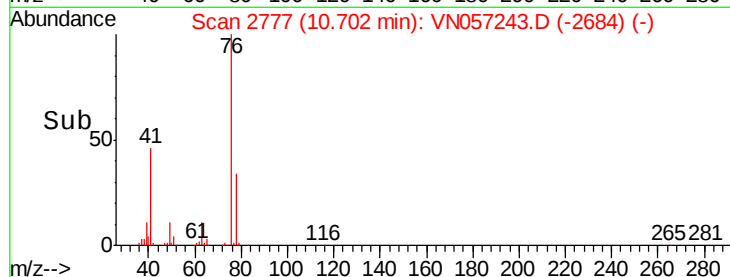
50000

0

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 47.455 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057243.D

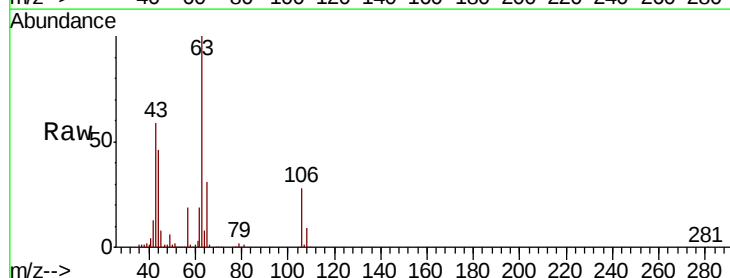
Acq: 13 Aug 2019 12:15

Tgt Ion: 63 Resp: 371741

Ion Ratio Lower Upper

63 100

106 28.6 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

100000

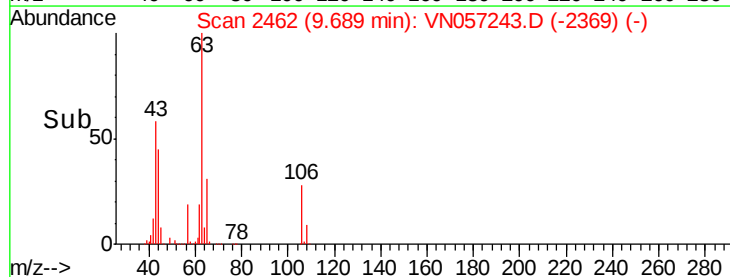
50000

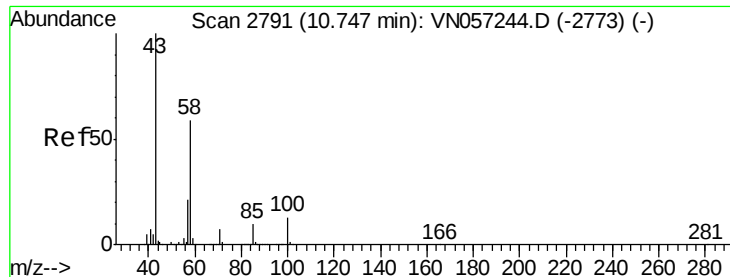
0

9.69

9.75

Time-->

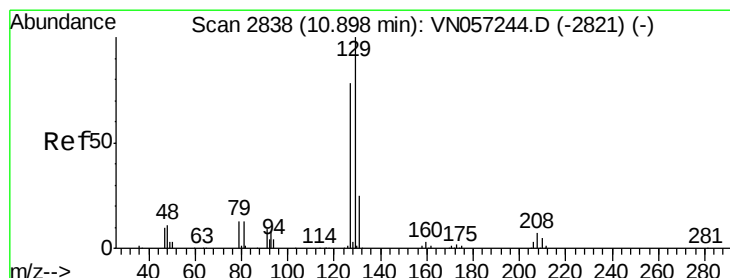
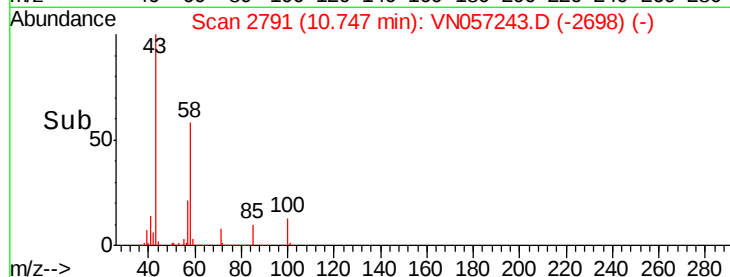
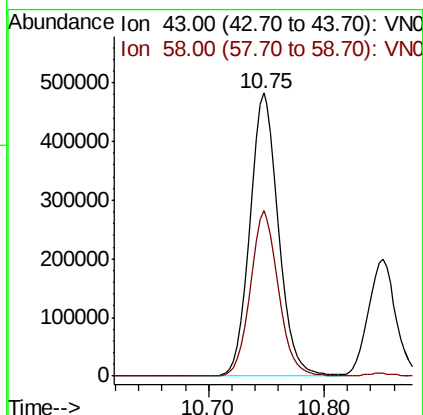
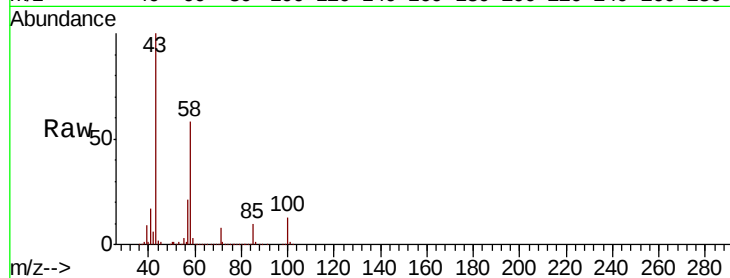




#59
2-Hexanone
Concen: 73.592 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

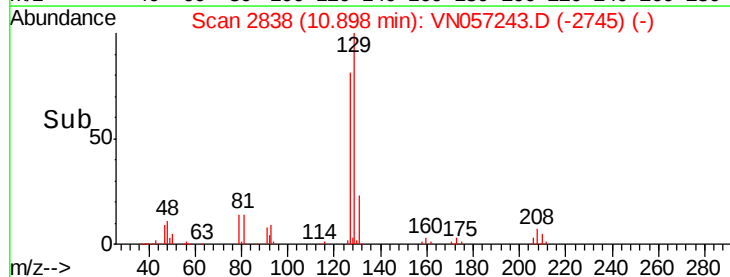
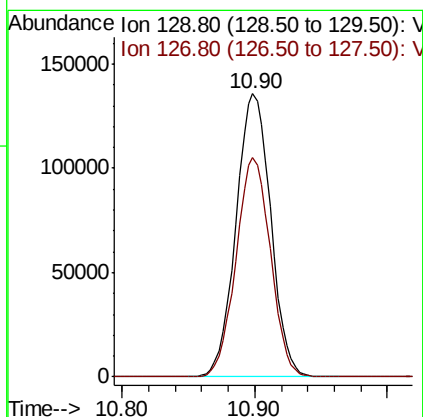
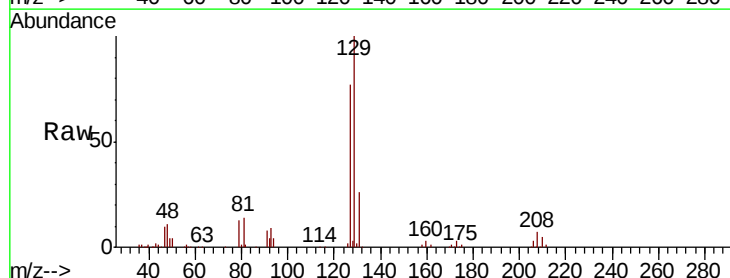
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

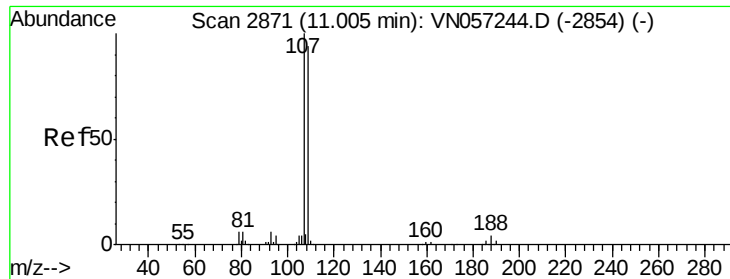
Tgt Ion: 43 Resp: 828689
Ion Ratio Lower Upper
43 100
58 57.6 29.1 87.4



#60
Dibromochloromethane
Concen: 19.905 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion: 129 Resp: 246606
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6

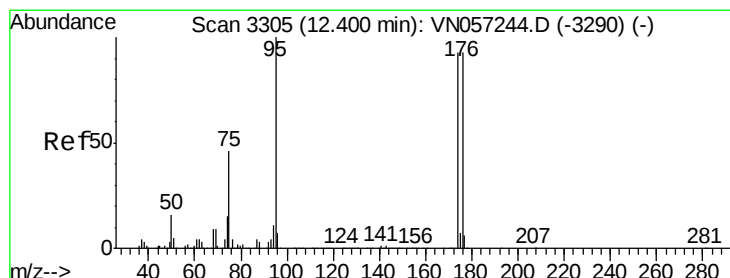
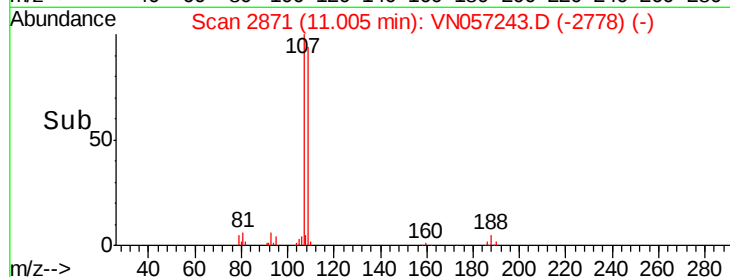
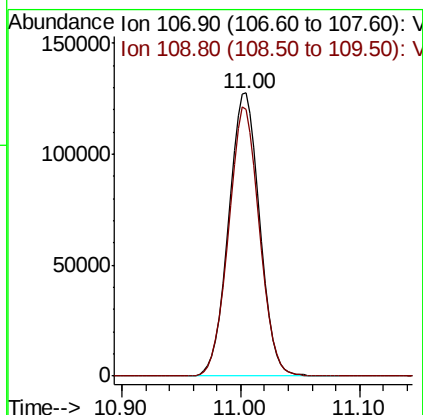
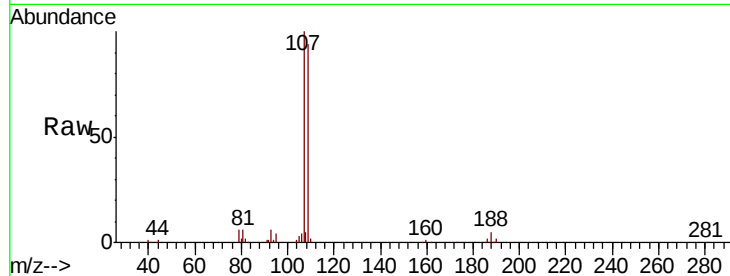




#61
 1,2-Dibromoethane
 Concen: 18.618 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

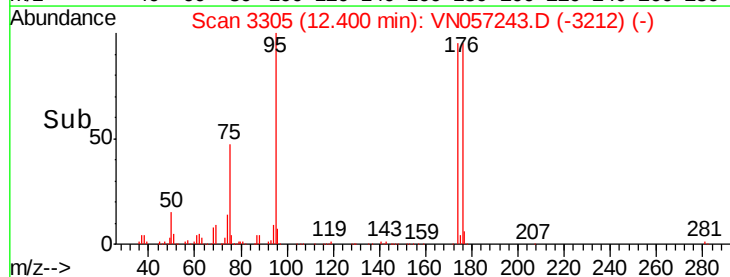
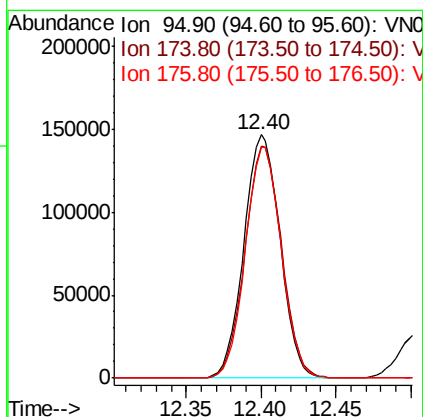
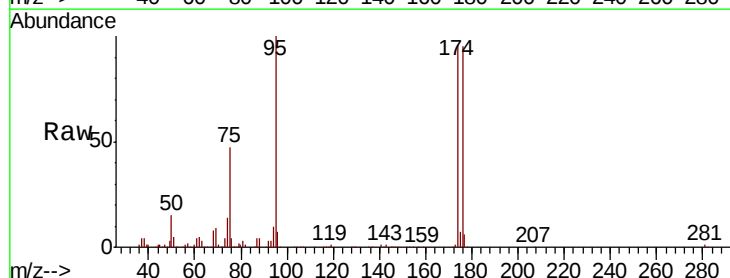
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

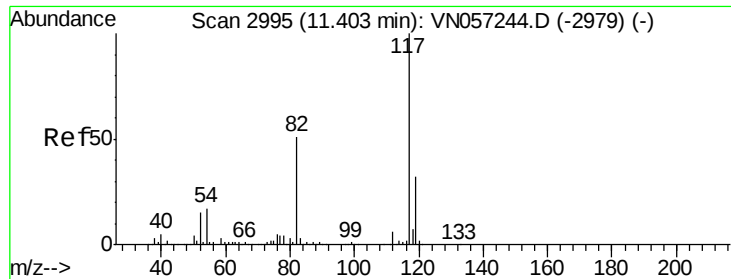
Tgt Ion: 107 Resp: 230526
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 17.096 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion: 95 Resp: 246814
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 187.6
 176 93.9 0.0 185.8

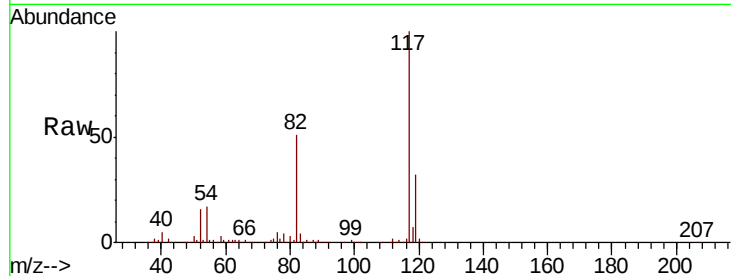




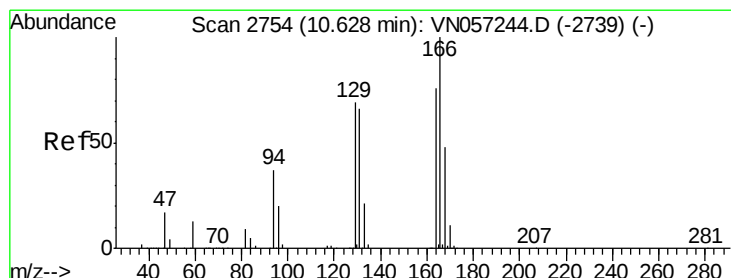
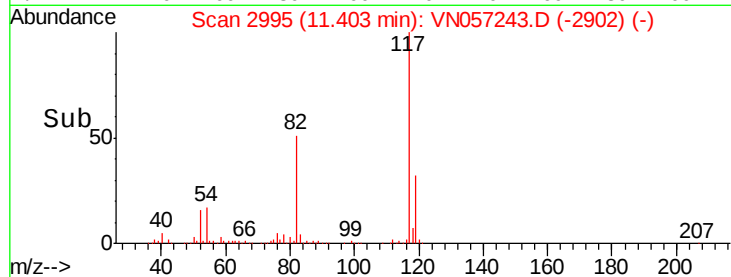
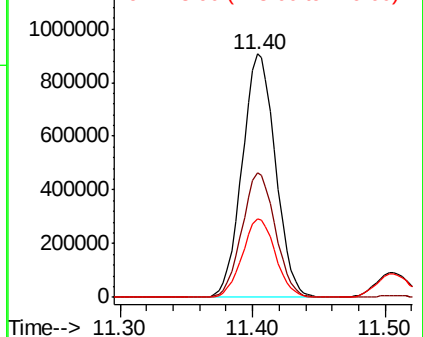
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1573696
Ion Ratio Lower Upper
117 100
82 51.0 40.9 61.3
119 32.4 25.4 38.2

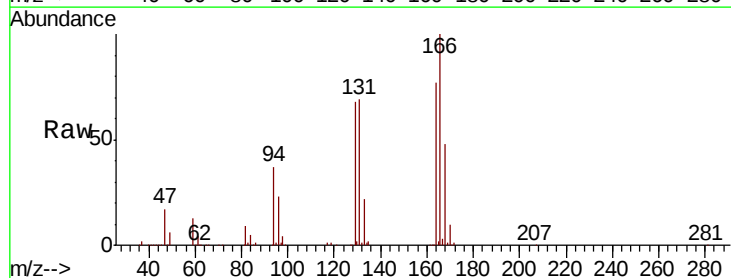


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

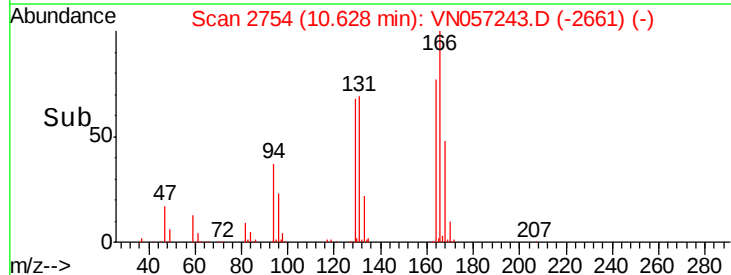
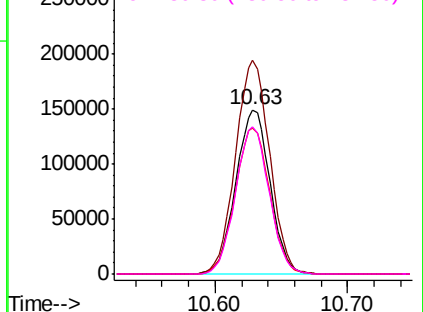


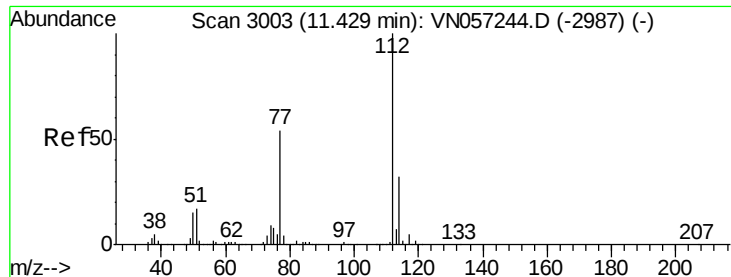
#64
Tetrachloroethene
Concen: 19.572 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion:164 Resp: 266945
Ion Ratio Lower Upper
164 100
166 130.1 104.9 157.3
129 89.1 71.9 107.9
131 89.6 69.1 103.7



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

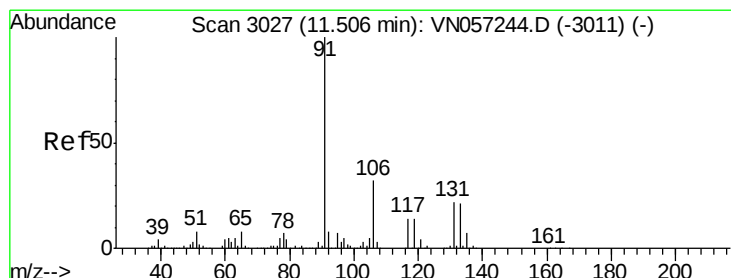
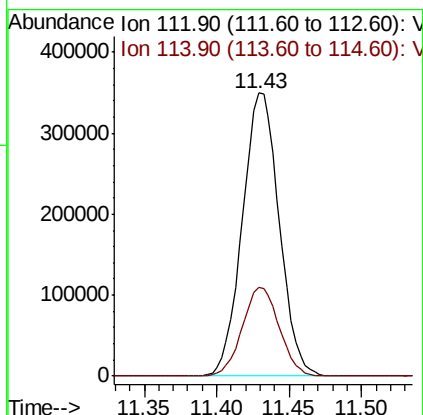
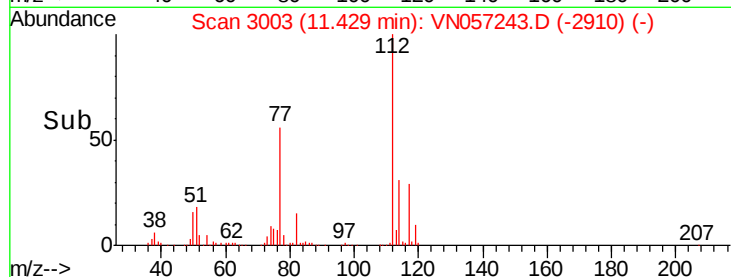
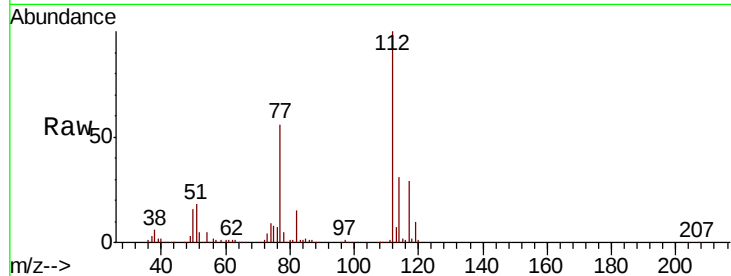




#65
Chlorobenzene
Concen: 19.167 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

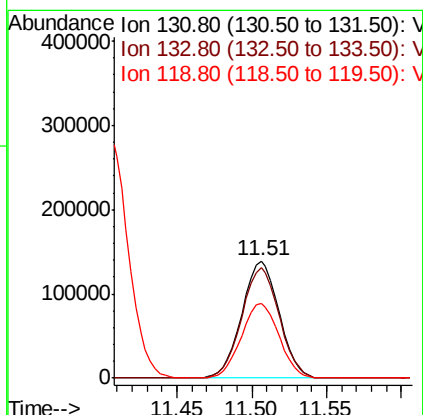
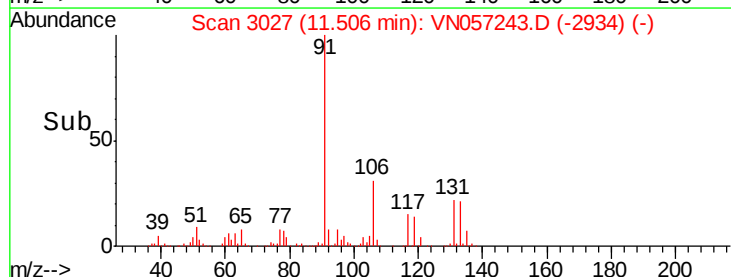
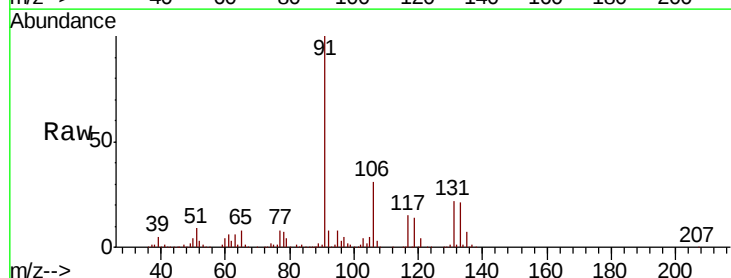
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

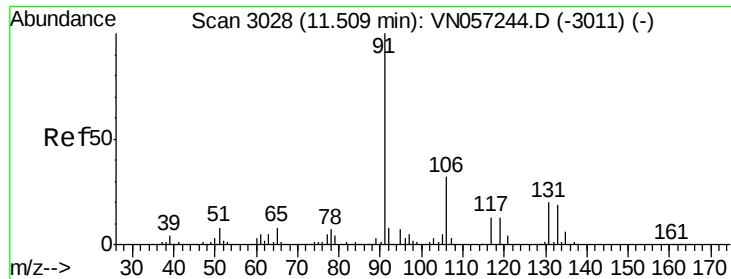
Tgt Ion:112 Resp: 618695
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.107 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion:131 Resp: 240609
Ion Ratio Lower Upper
131 100
133 95.3 46.9 140.7
119 64.8 32.3 96.8

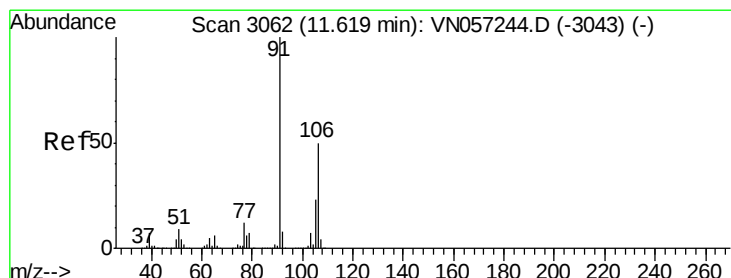
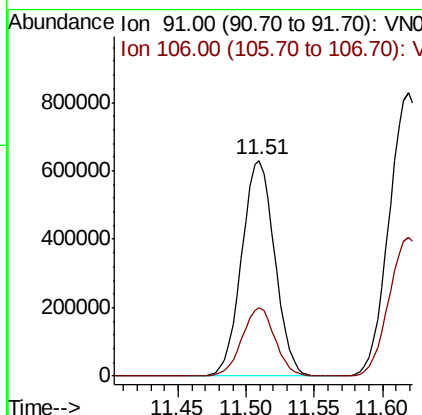
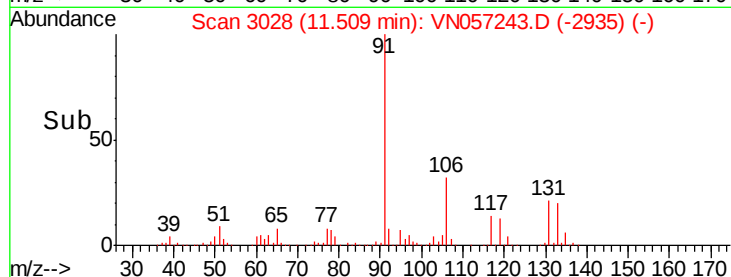
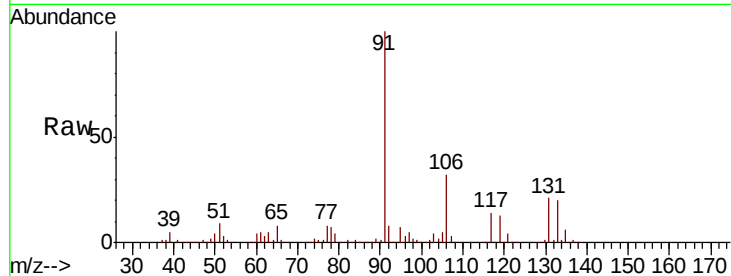




#67
Ethyl Benzene
Concen: 18.815 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

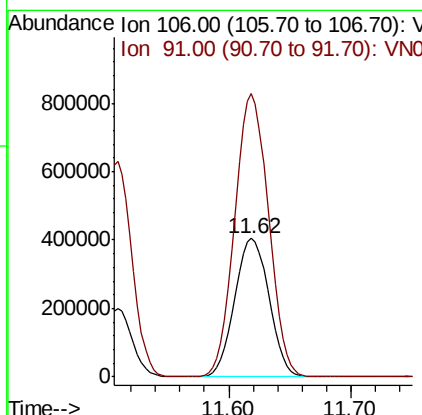
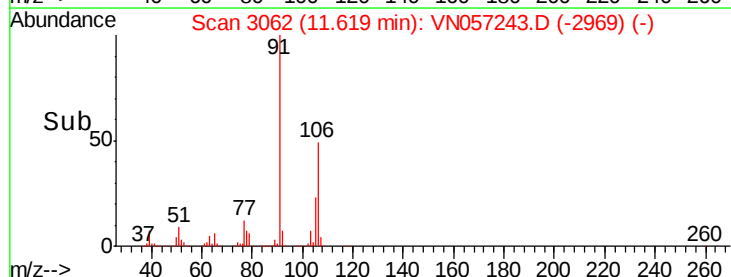
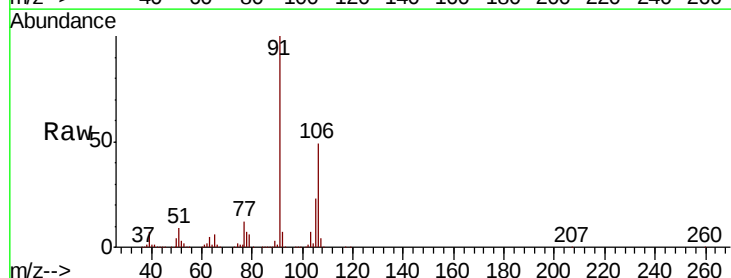
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

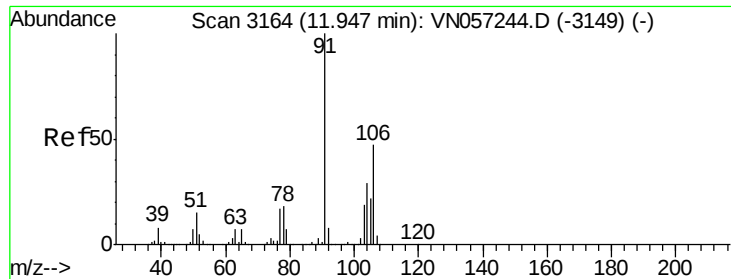
Tgt Ion: 91 Resp: 1062401
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0



#68
m/p-Xylenes
Concen: 37.470 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion: 106 Resp: 790126
Ion Ratio Lower Upper
106 100
91 200.9 161.4 242.0

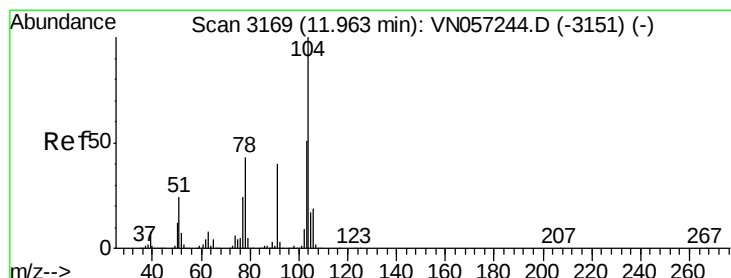
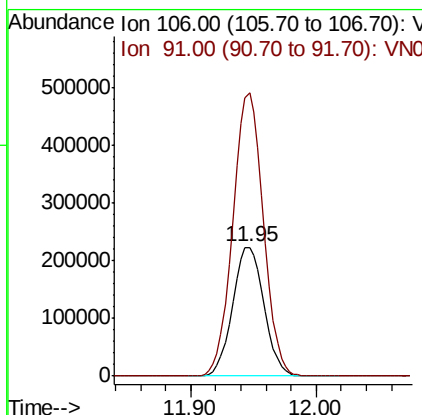
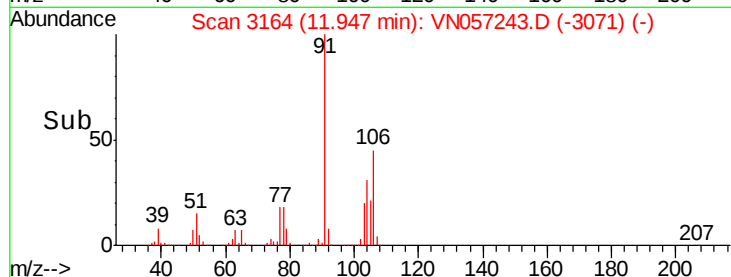
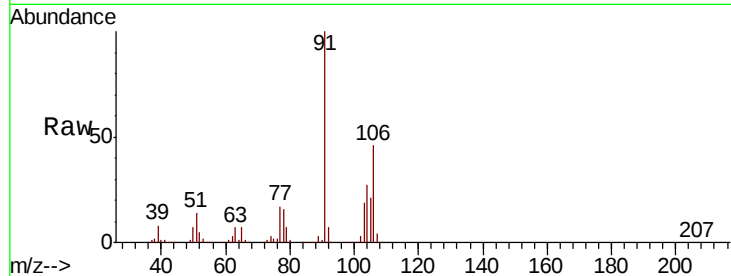




#69
o-Xylene
Concen: 18.705 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

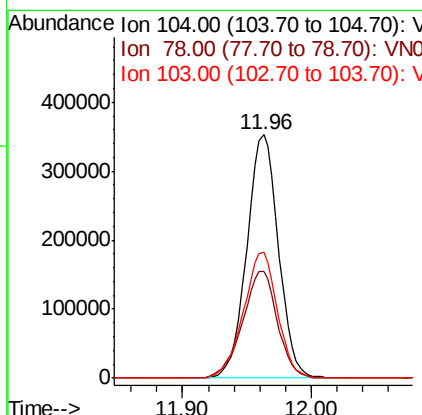
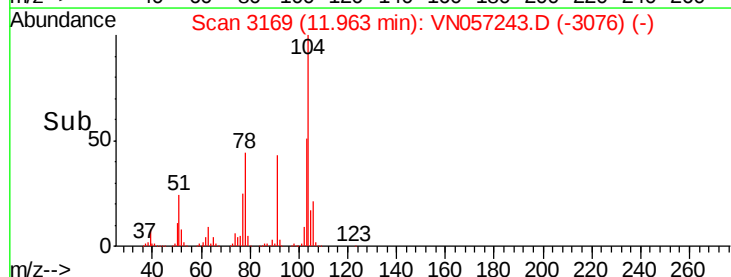
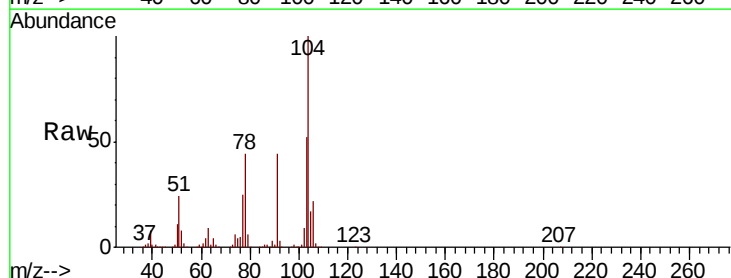
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

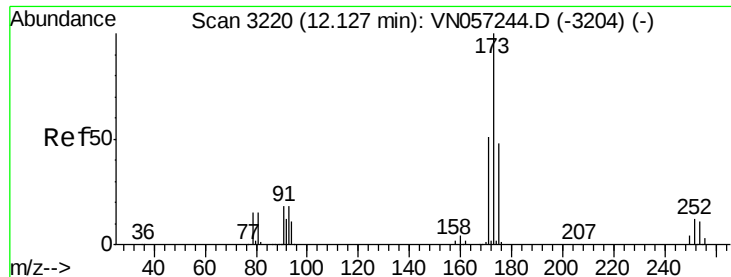
Tgt Ion:106 Resp: 387656
Ion Ratio Lower Upper
106 100
91 213.6 106.5 319.4



#70
Styrene
Concen: 18.049 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion:104 Resp: 602712
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 55.6 43.9 65.9

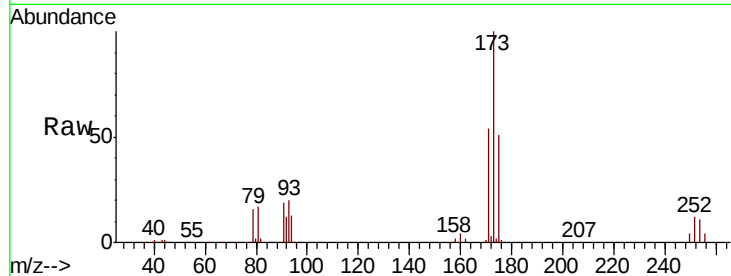




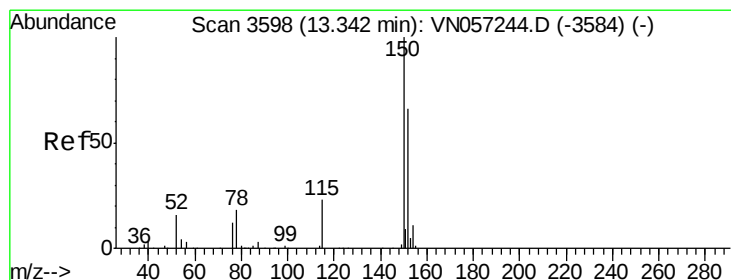
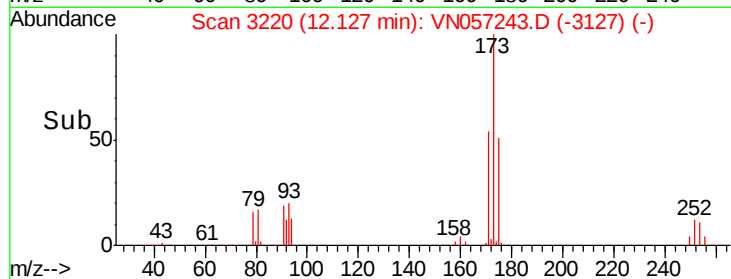
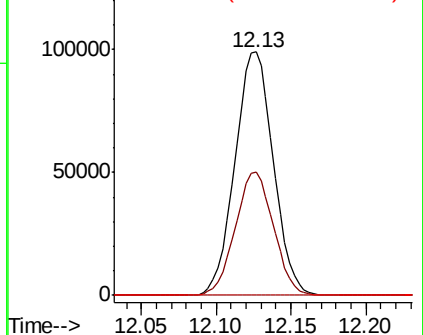
#71
 Bromoform
 Concen: 19.431 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:173 Resp: 176692
 Ion Ratio Lower Upper
 173 100
 175 50.3 24.4 73.2
 254 0.1 0.2 0.2#

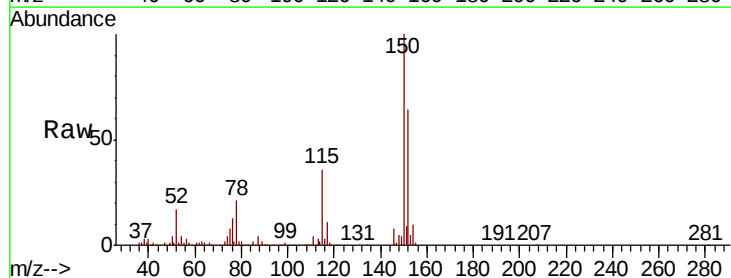


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

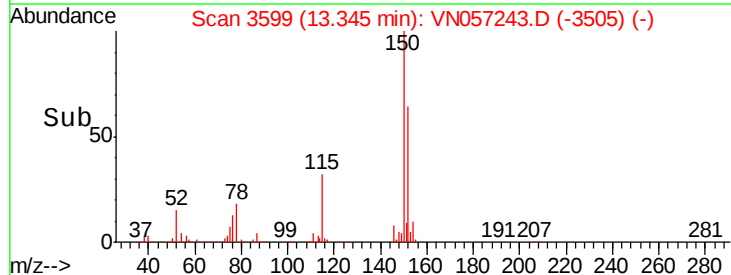
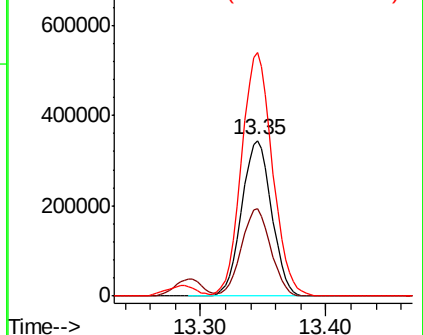


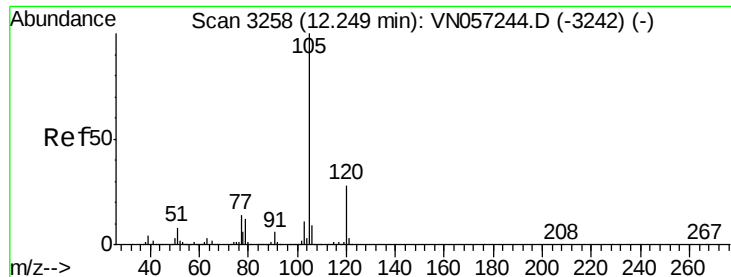
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion:152 Resp: 572141
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.6 82.8
 150 161.4 0.0 348.4



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: 22.049 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

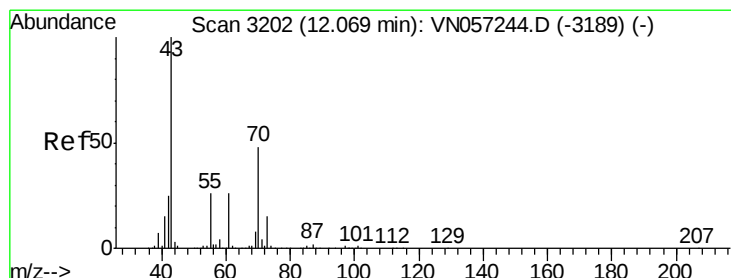
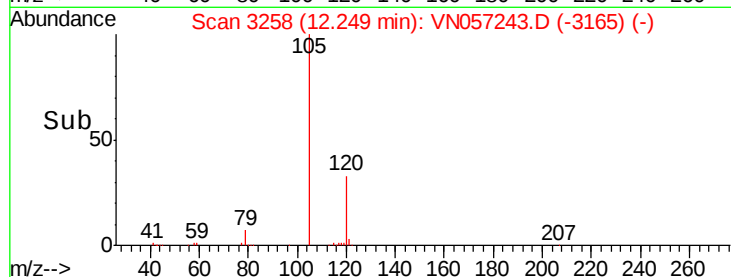
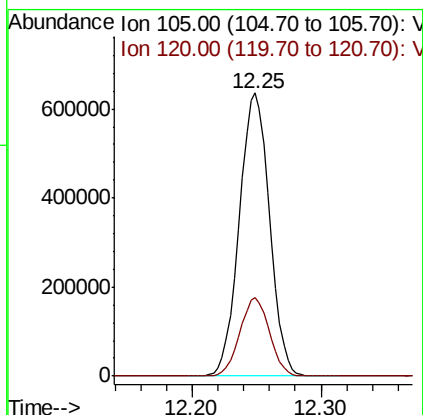
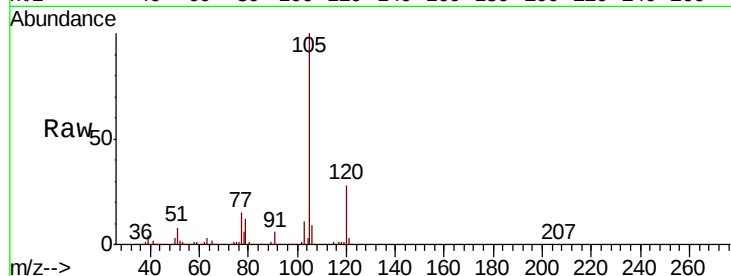
VSTDIC020

Tgt Ion: 105 Resp: 1036071

Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3



#74

N-ethyl acetate

Concen: 16.507 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Tgt Ion: 43 Resp: 276026

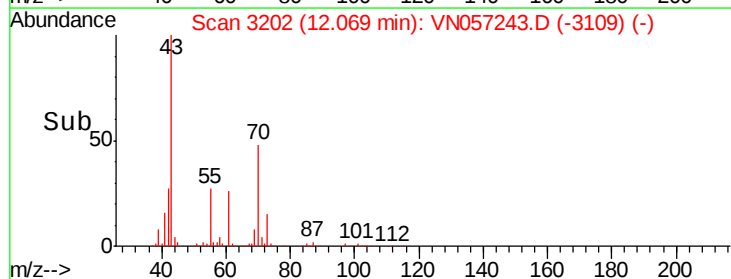
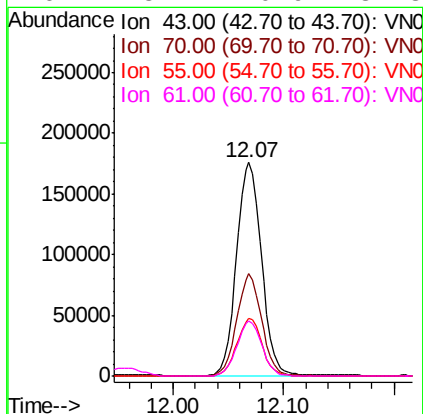
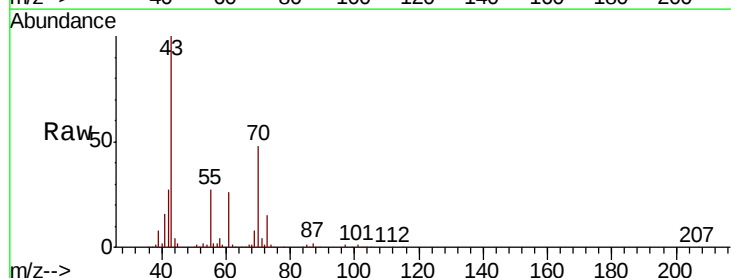
Ion Ratio Lower Upper

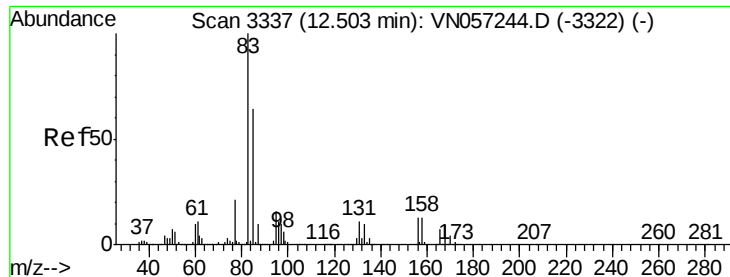
43 100

70 47.6 37.4 56.2

55 27.1 21.0 31.4

61 25.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.774 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

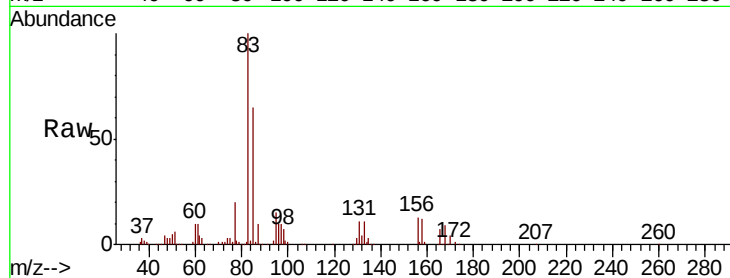
Tgt Ion: 83 Resp: 290135

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

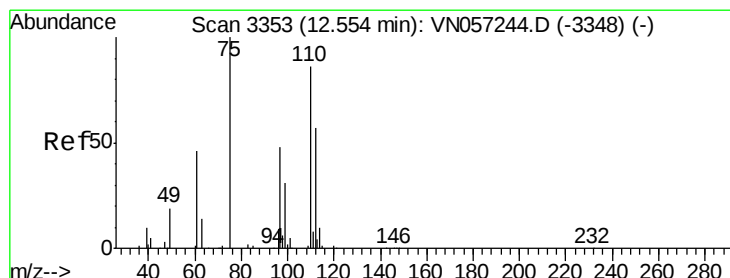
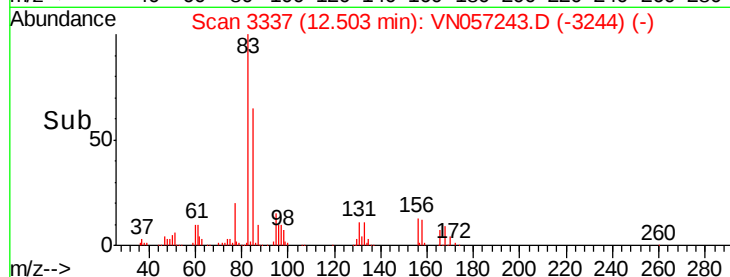
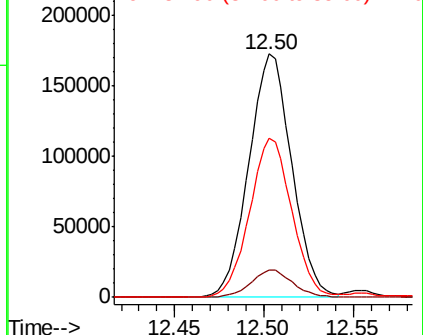
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN057243.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057243.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057243.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 28.531 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057243.D

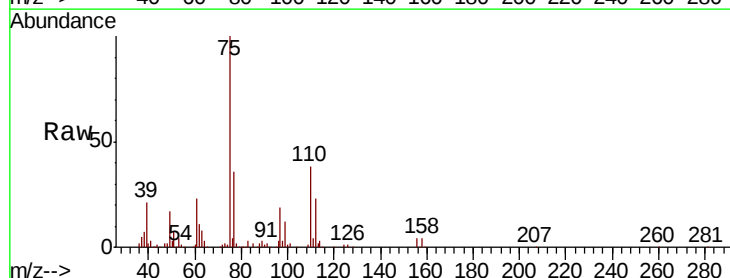
Acq: 13 Aug 2019 12:15

Tgt Ion: 75 Resp: 351476

Ion Ratio Lower Upper

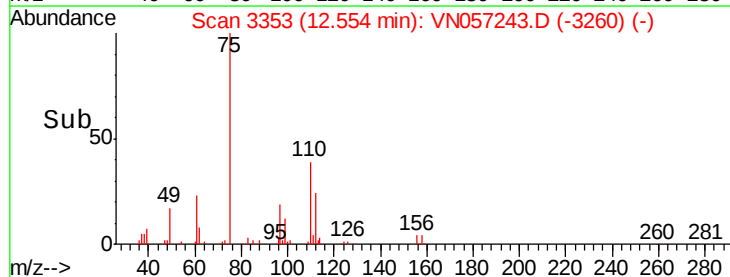
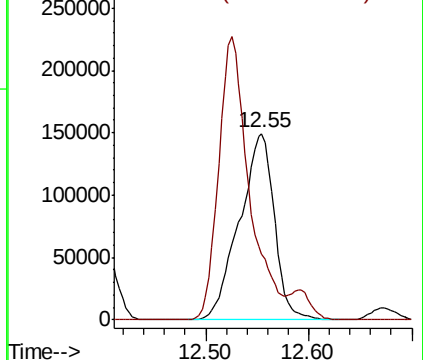
75 100

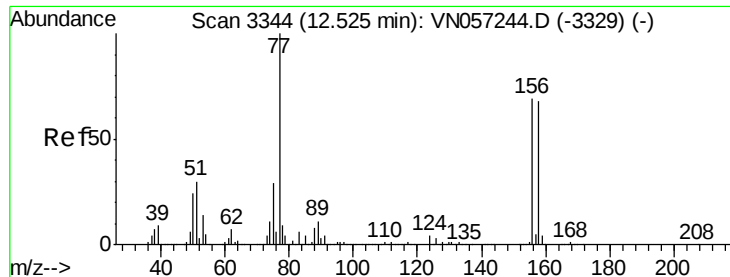
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057243.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN057243.D (-3353) (-)





#77

Bromobenzene

Concen: 21.903 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

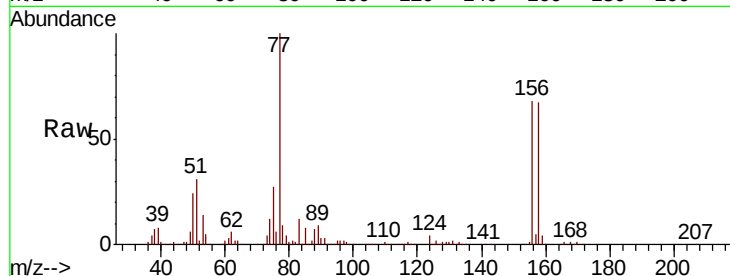
Tgt Ion:156 Resp: 269661

Ion Ratio Lower Upper

156 100

77 173.6 88.0 264.1

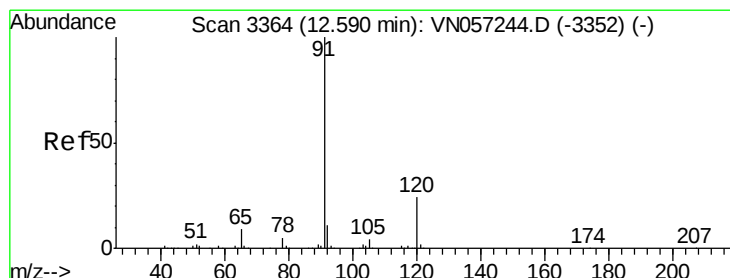
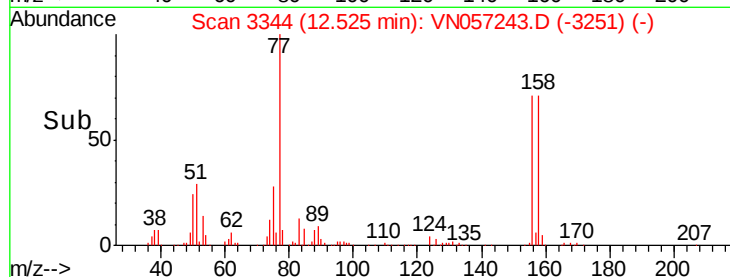
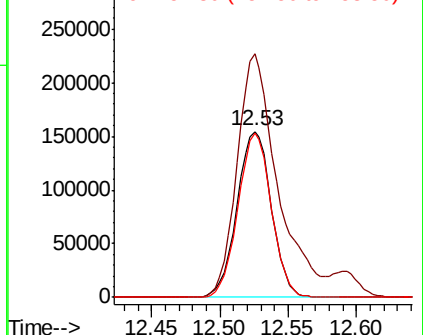
158 96.1 49.4 148.0



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: 19.858 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057243.D

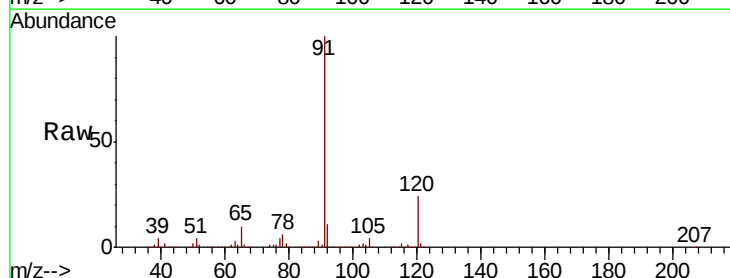
Acq: 13 Aug 2019 12:15

Tgt Ion: 91 Resp: 1024857

Ion Ratio Lower Upper

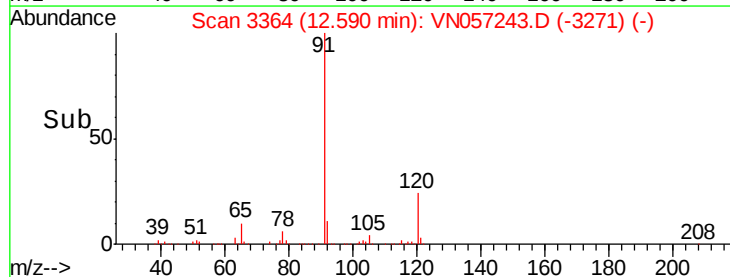
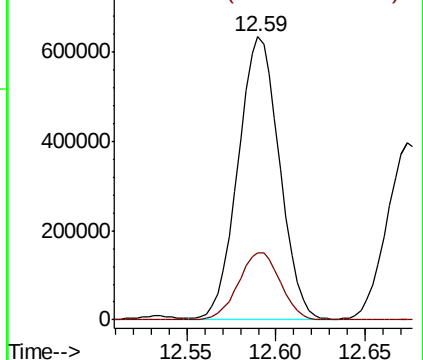
91 100

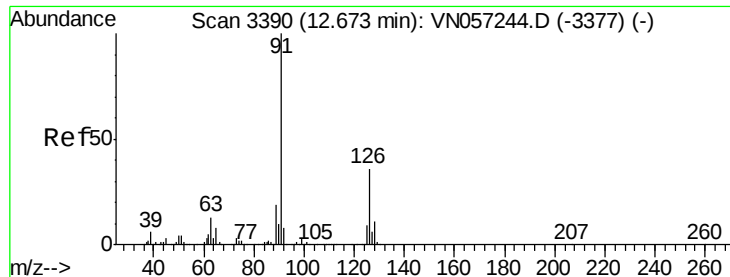
120 24.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.494 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

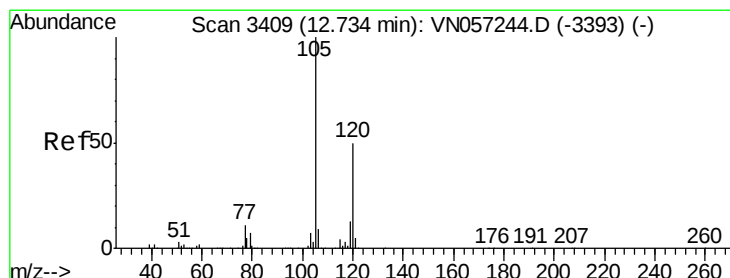
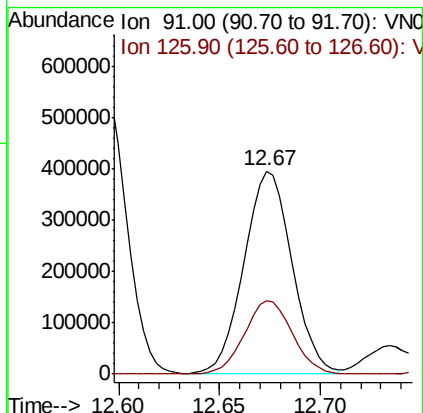
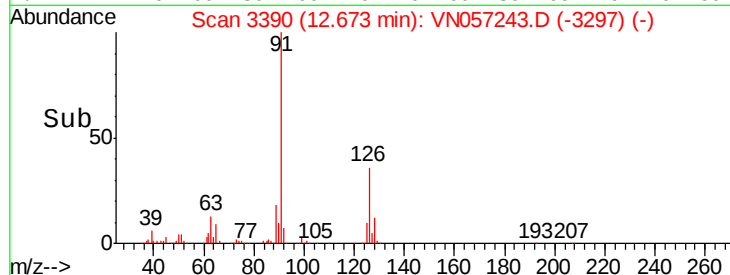
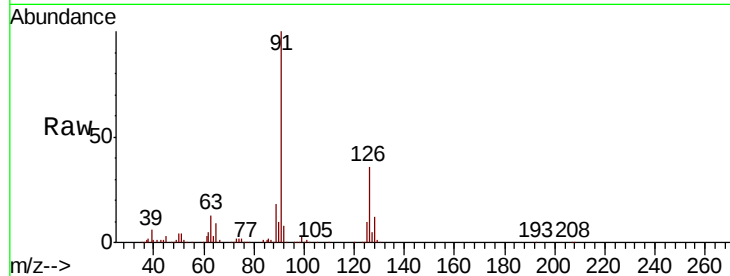
VSTDIC020

Tgt Ion: 91 Resp: 657768

Ion Ratio Lower Upper

91 100

126 36.5 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 21.457 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057243.D

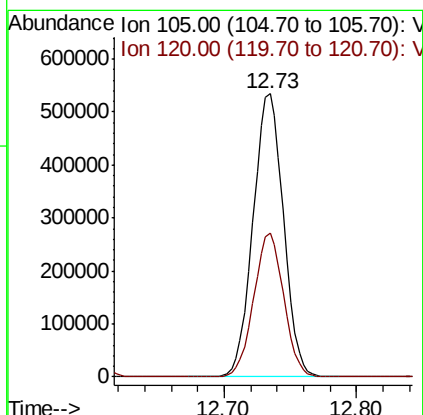
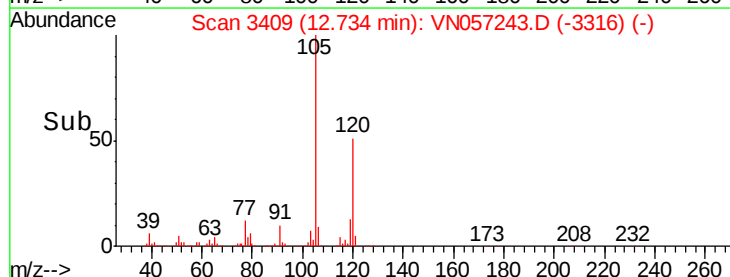
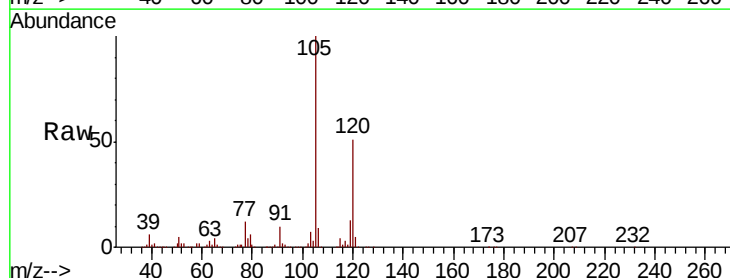
Acq: 13 Aug 2019 12:15

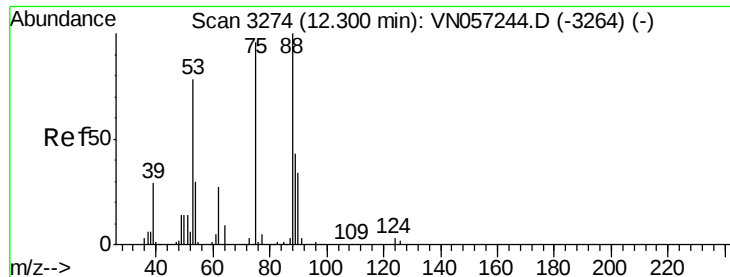
Tgt Ion: 105 Resp: 851732

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.128 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

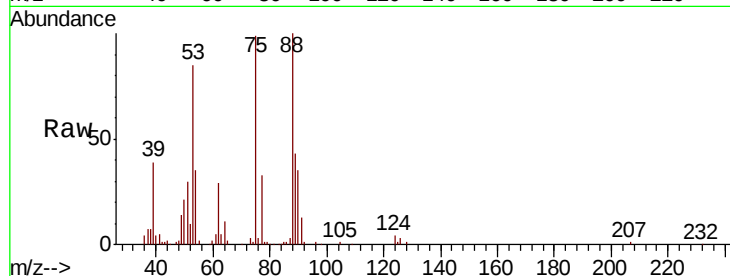
Tgt Ion: 75 Resp: 82152

Ion Ratio Lower Upper

75 100

53 87.8 65.8 98.6

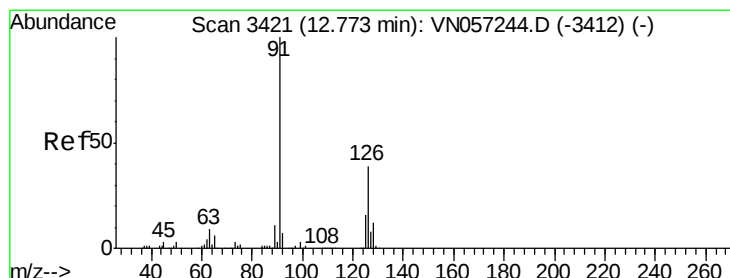
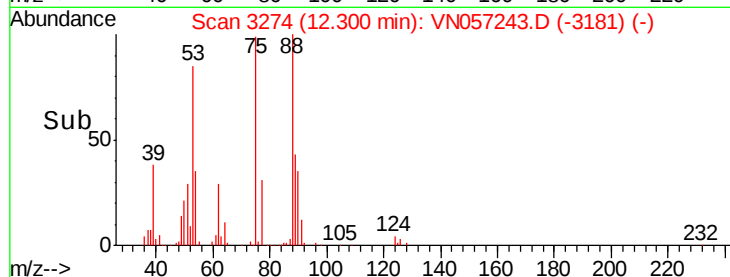
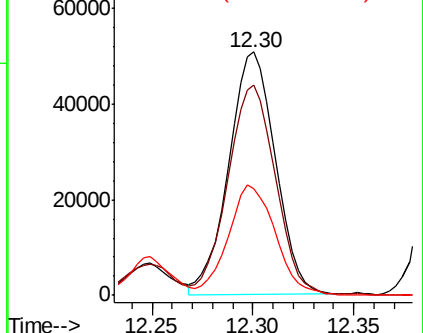
89 46.0 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.629 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057243.D

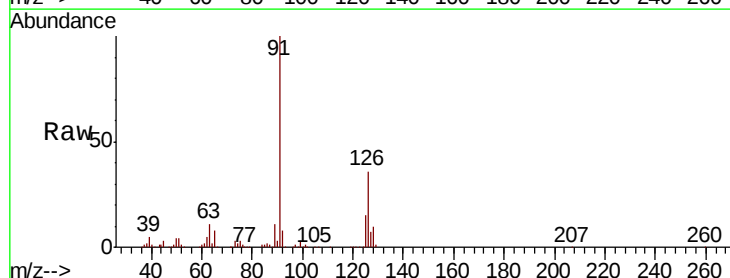
Acq: 13 Aug 2019 12:15

Tgt Ion: 91 Resp: 593276

Ion Ratio Lower Upper

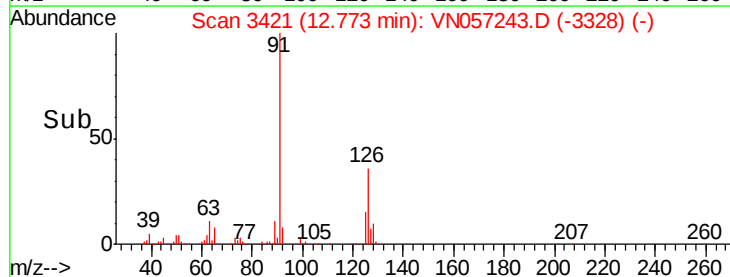
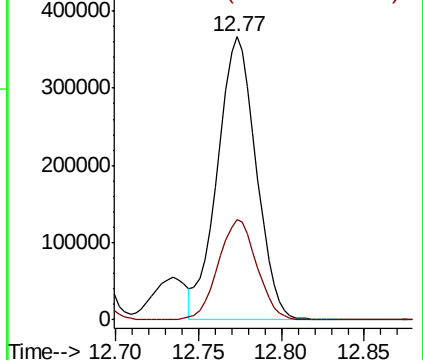
91 100

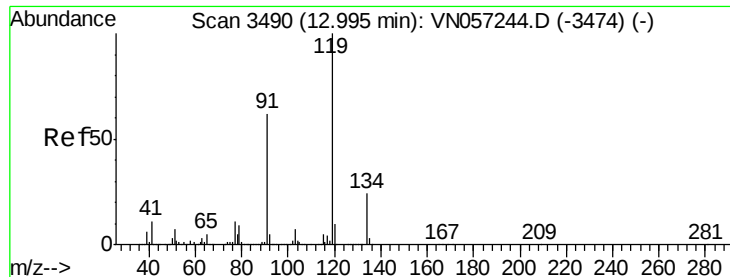
126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.045 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

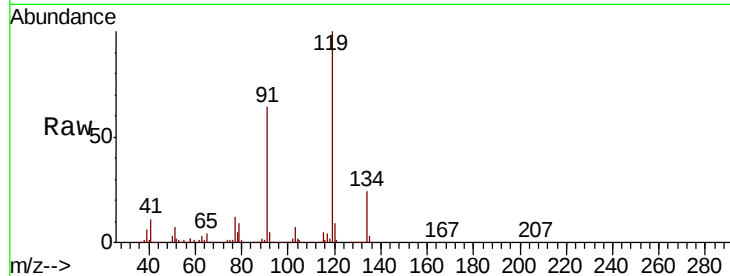
Tgt Ion:119 Resp: 768942

Ion Ratio Lower Upper

119 100

91 62.1 30.8 92.3

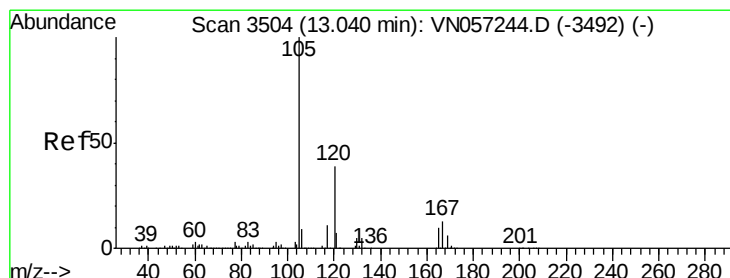
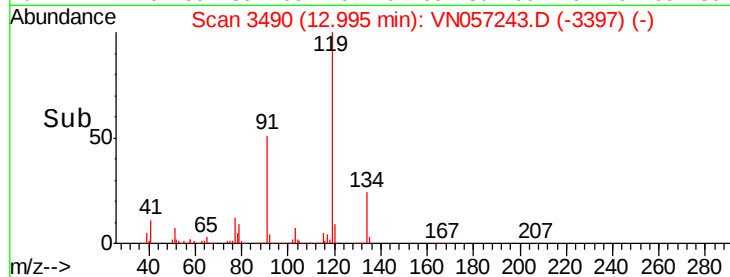
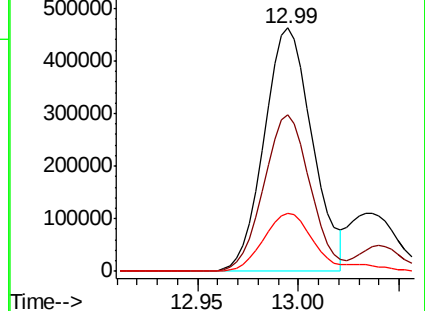
134 24.1 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.397 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057243.D

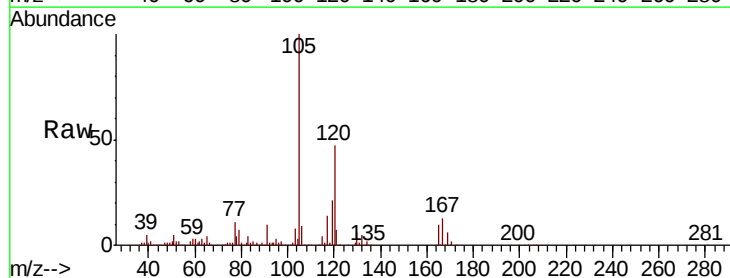
Acq: 13 Aug 2019 12:15

Tgt Ion:105 Resp: 784380

Ion Ratio Lower Upper

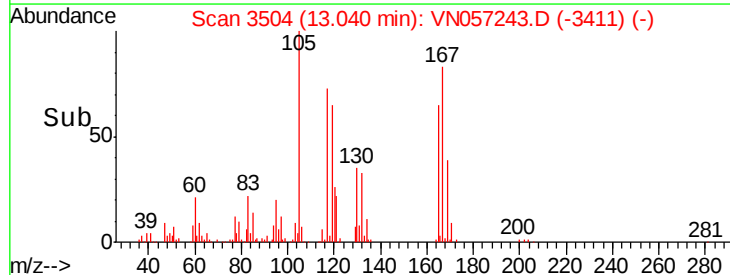
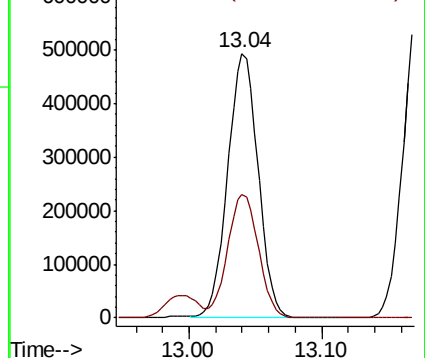
105 100

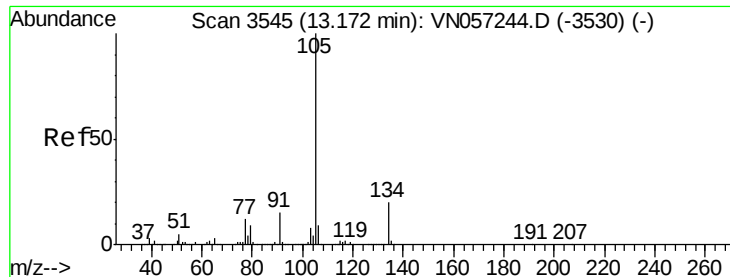
120 47.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

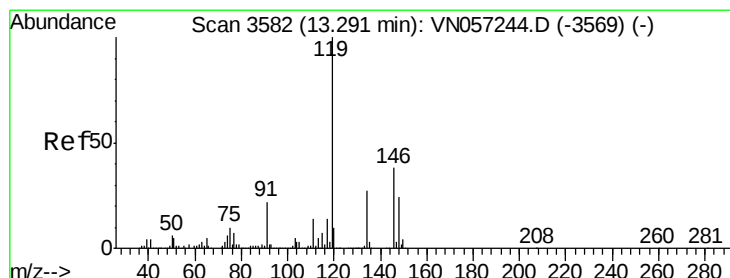
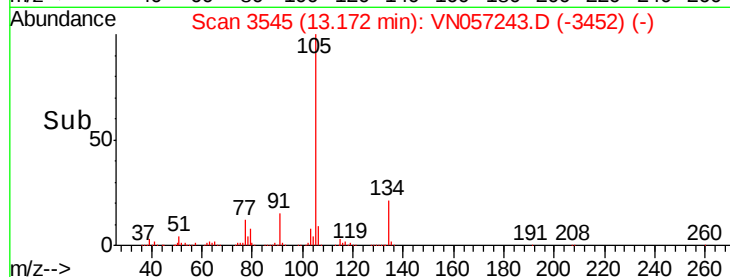
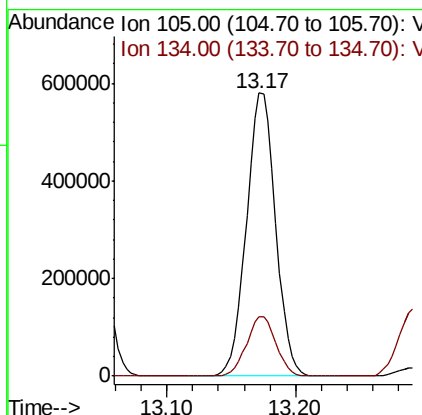
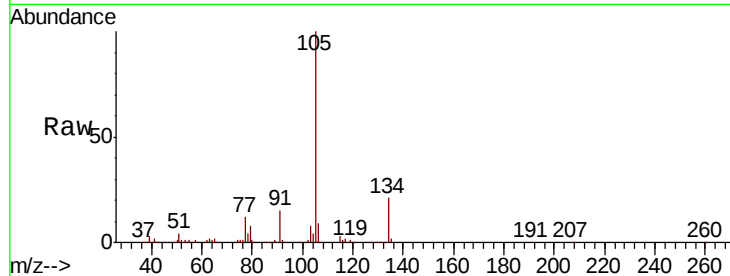




#85
 sec-Butylbenzene
 Concen: 20.689 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

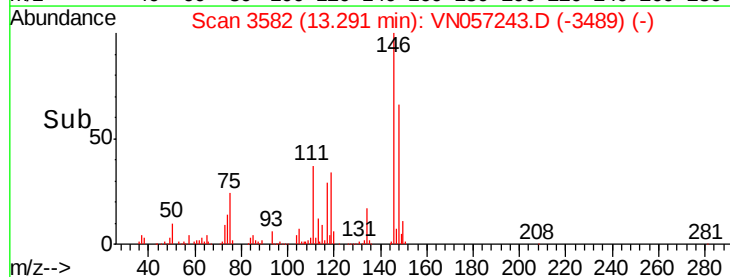
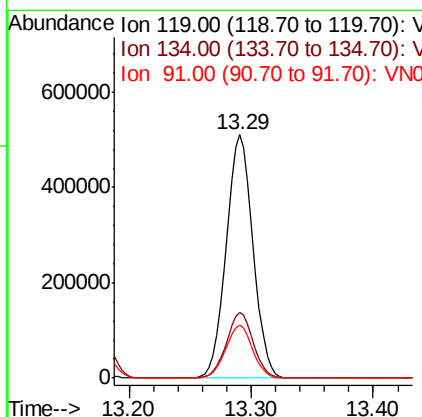
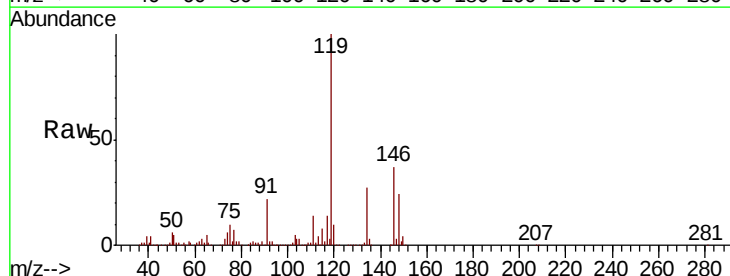
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

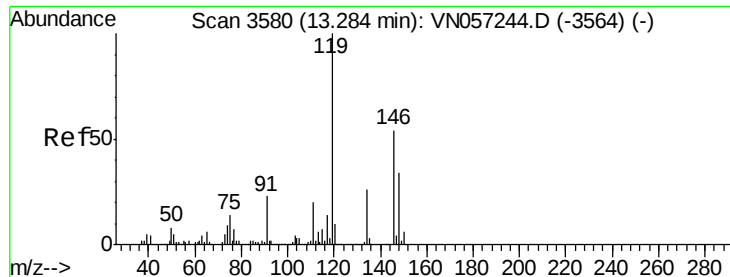
Tgt Ion:105 Resp: 911112
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 19.713 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion:119 Resp: 782268
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 21.9 11.1 33.3

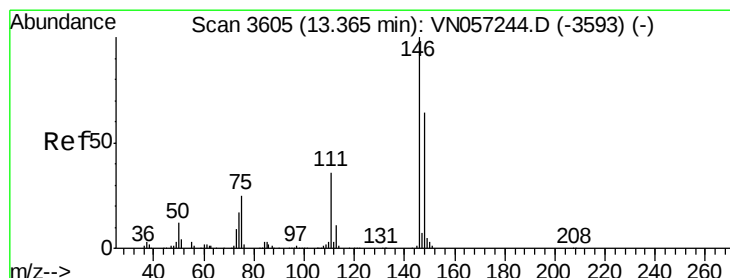
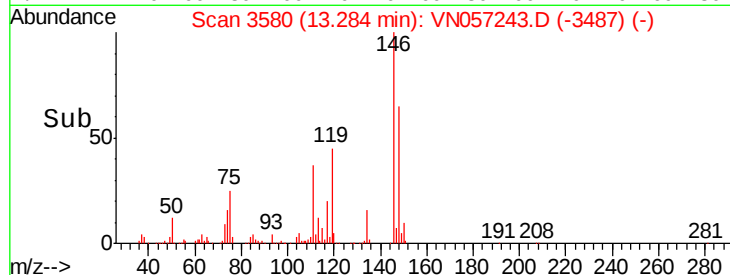
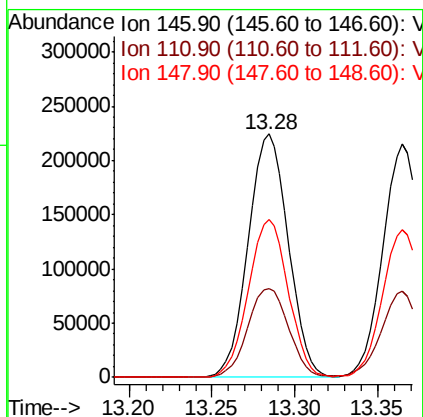
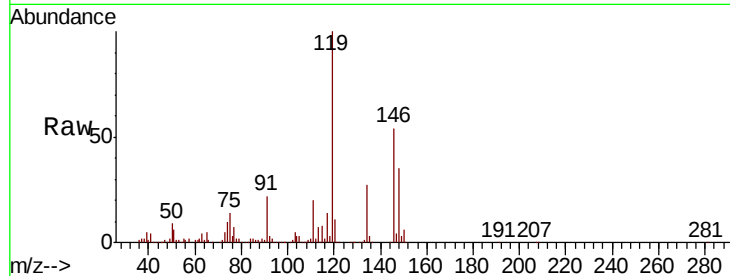




#87
 1,3-Dichlorobenzene
 Concen: 18.957 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

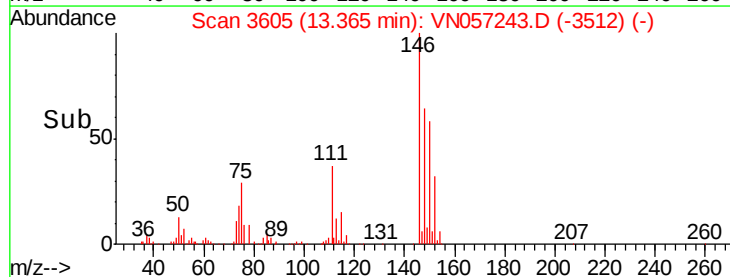
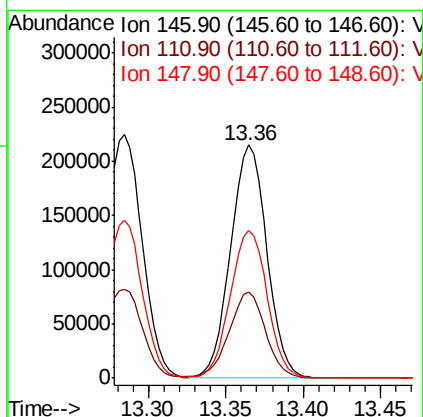
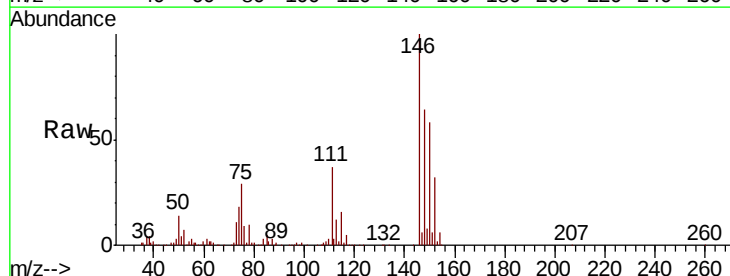
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

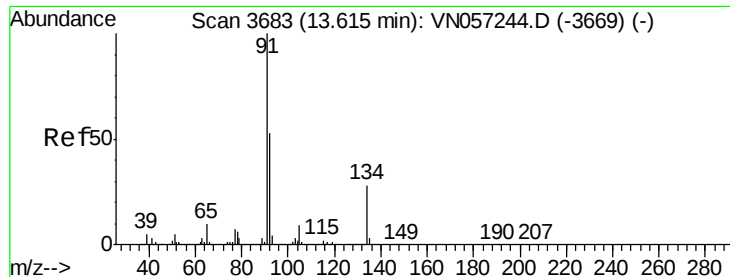
Tgt Ion:146 Resp: 376862
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.170 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion:146 Resp: 349308
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.3 54.8
 148 64.8 32.0 96.0





#89

n-Butylbenzene

Concen: 18.557 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057243.D

Acq: 13 Aug 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

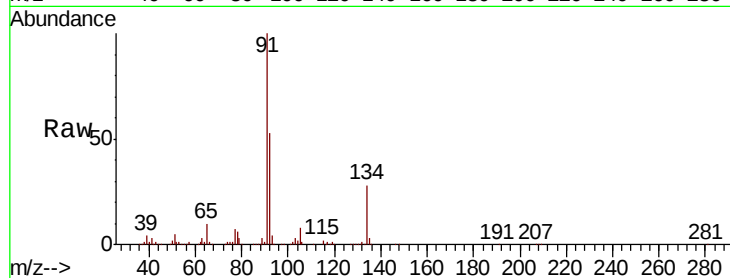
Tgt Ion: 91 Resp: 578892

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

134 27.3 14.1 42.3

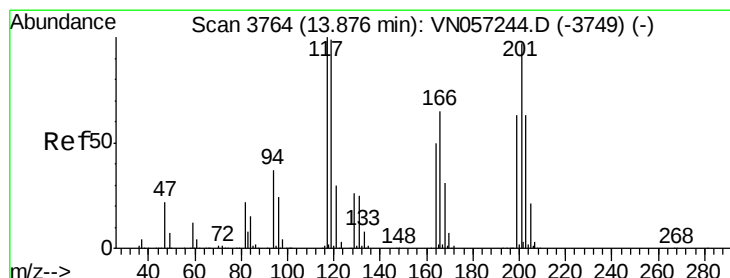
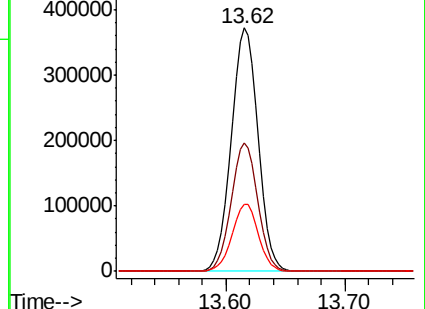
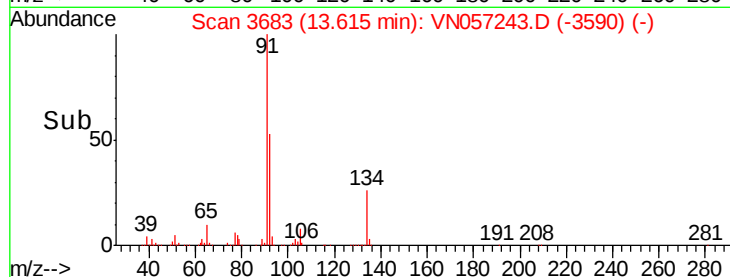


Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057244.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057244.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 23.636 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057243.D

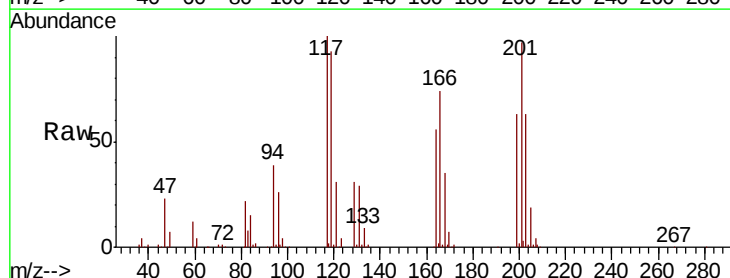
Acq: 13 Aug 2019 12:15

Tgt Ion: 117 Resp: 155667

Ion Ratio Lower Upper

117 100

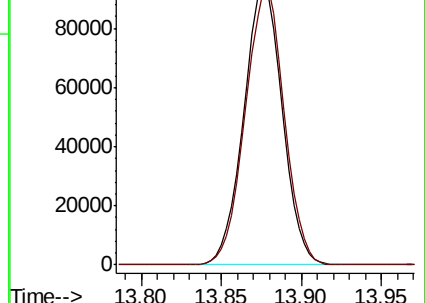
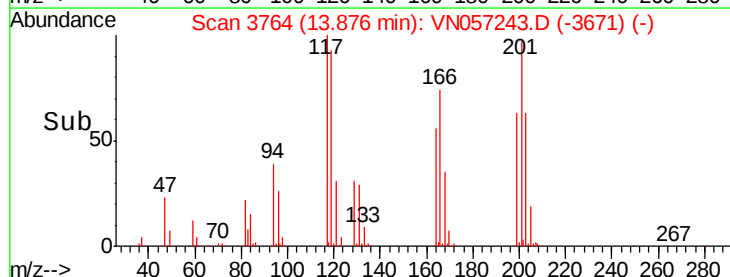
201 99.7 49.5 148.5

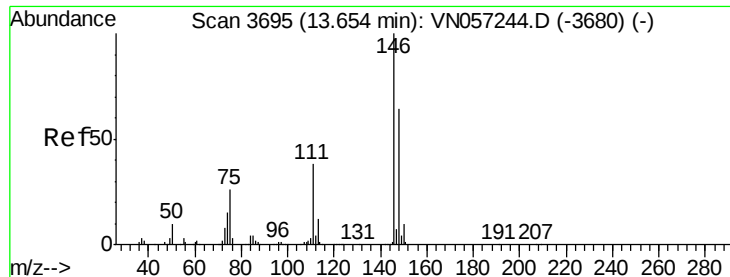


Abundance Ion 116.80 (116.50 to 117.50): VN057244.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057244.D (-3749) (-)

Time-->

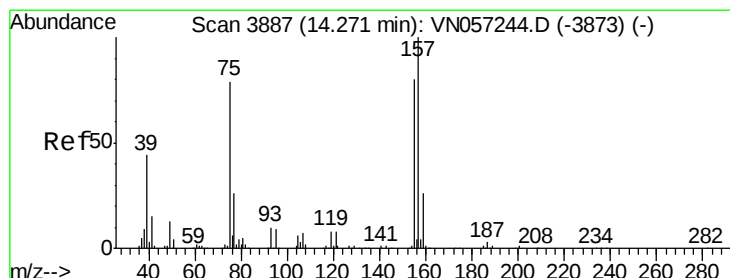
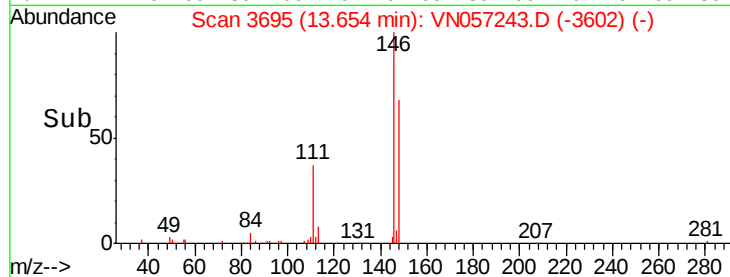
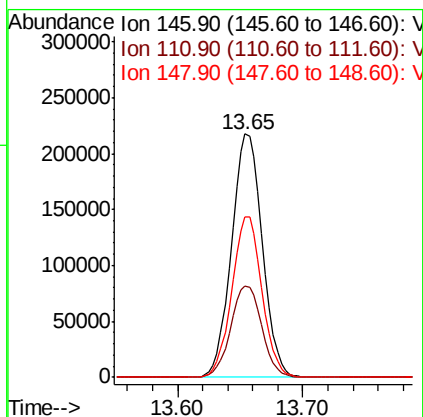
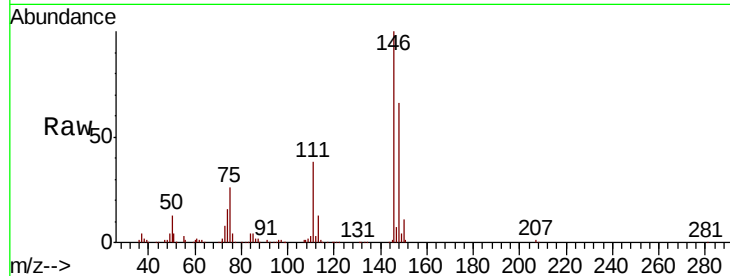




#91
 1,2-Dichlorobenzene
 Concen: 18.337 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

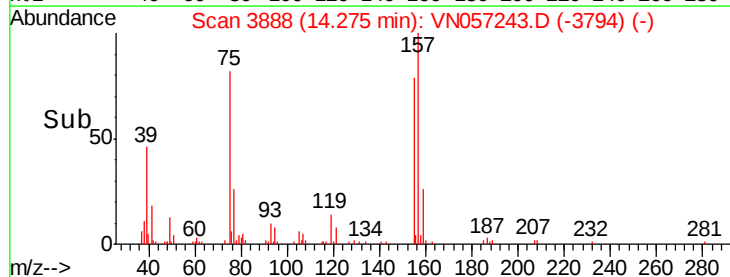
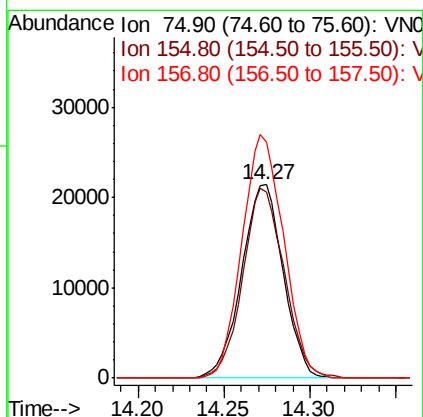
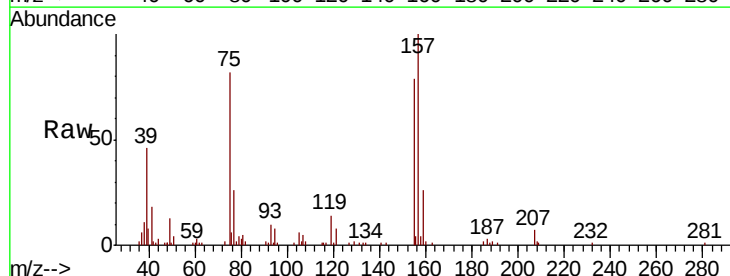
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

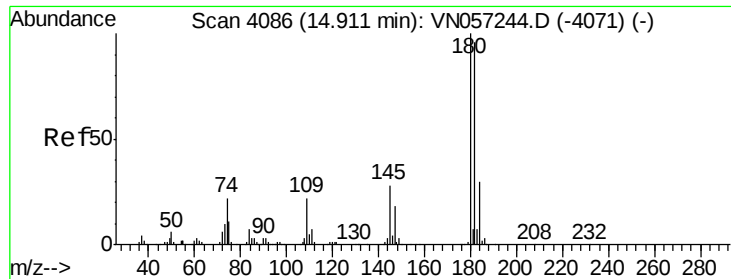
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.056 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	50.3	151.0
157	125.8	65.3	195.9

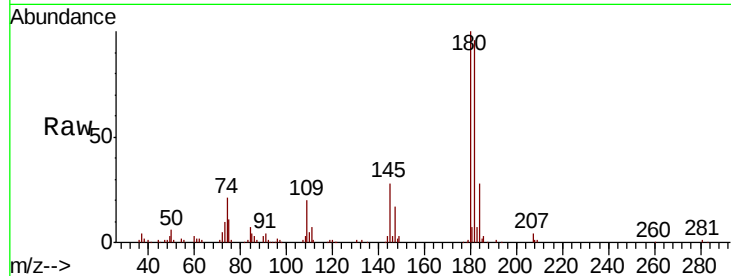




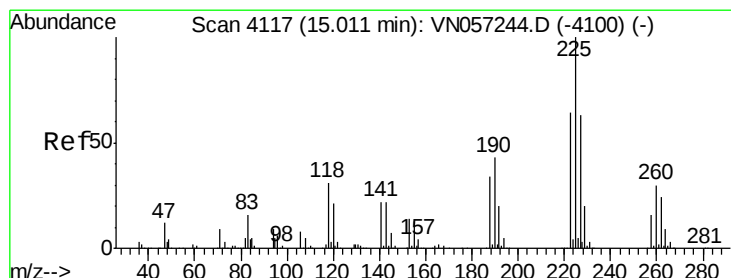
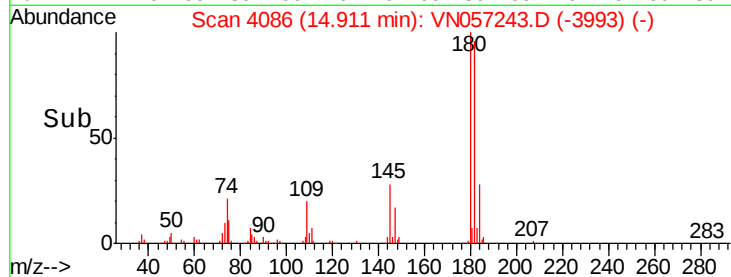
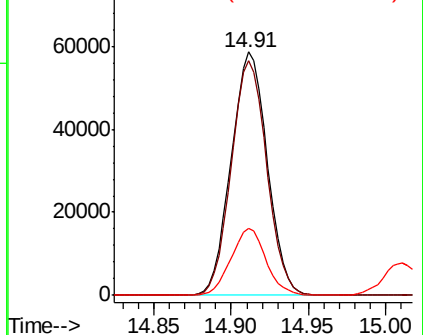
#93
 1,2,4-Trichlorobenzene
 Concen: 10.880 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 94898
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.7 143.1
 145 26.6 14.2 42.6

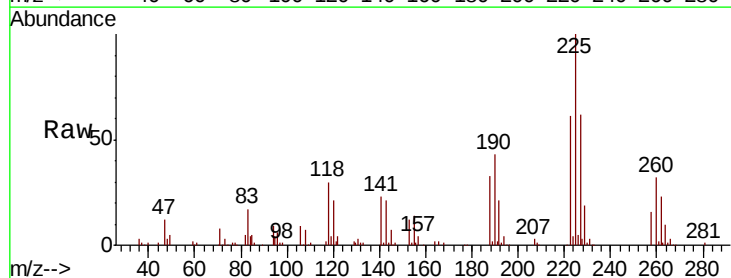


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

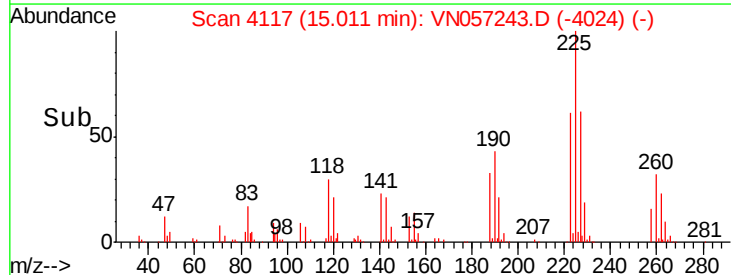
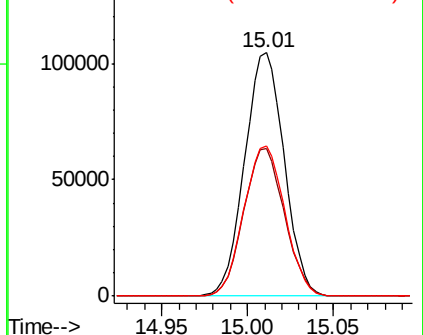


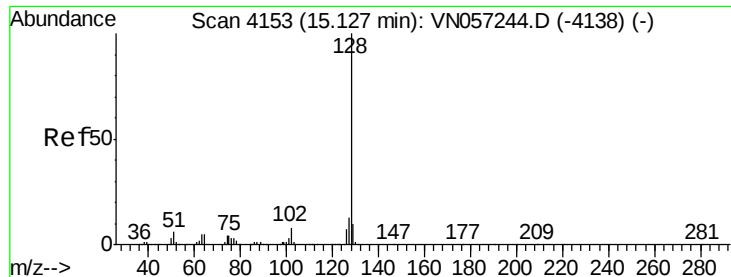
#94
 Hexachlorobutadiene
 Concen: 22.298 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057243.D
 Acq: 13 Aug 2019 12:15

Tgt Ion:225 Resp: 167165
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.2
 227 64.1 31.4 94.3



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

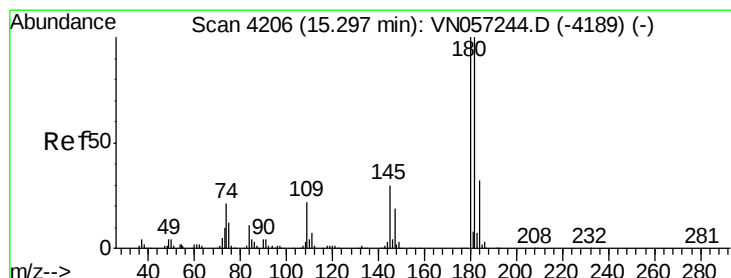
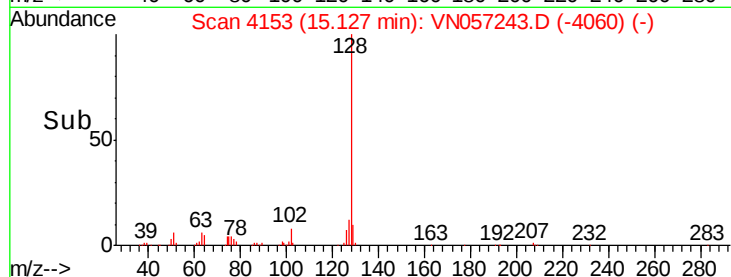
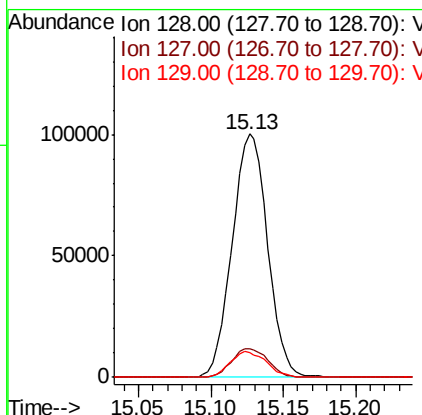
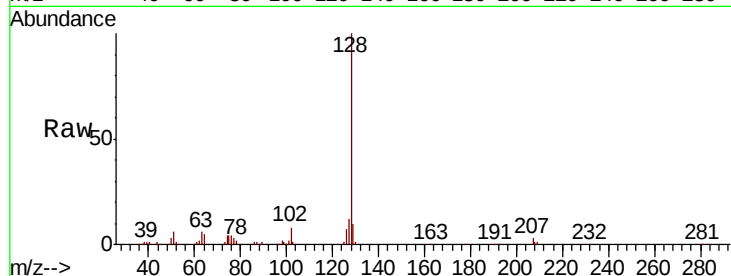




#95
Naphthalene
Concen: 7.592 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.4	15.6
129	10.9	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 10.150 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057243.D
Acq: 13 Aug 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.9	146.7
145	29.7	15.0	45.1

