

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058399.D
 Acq On : 27 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 27 23:04:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	461970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	770650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	6948	1.07	ug/l	0.00
Spiked Amount			Recovery	=	2.14%	
35) Dibromofluoromethane	7.57	113	4422	0.94	ug/l	0.00
Spiked Amount			Recovery	=	1.88%	
50) Toluene-d8	10.09	98	17984	0.99	ug/l	0.00
Spiked Amount			Recovery	=	1.98%	
62) 4-Bromofluorobenzene	12.41	95	7660	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	5031	1.236	ug/l	88
3) Chloromethane	2.04	50	6638	1.675	ug/l	96
4) Vinyl Chloride	2.17	62	5818	1.436	ug/l	96
5) Bromomethane	2.55	94	3577	1.729	ug/l	82
6) Chloroethane	2.69	64	3493	1.331	ug/l #	65
7) Trichlorofluoromethane	3.00	101	7081	1.281	ug/l	97
8) Diethyl Ether	3.39	74	2765	1.114	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3083	0.785	ug/l #	47
10) Methyl Iodide	3.93	142	3529	0.987	ug/l #	96
11) Tert butyl alcohol	4.75	59	571	0.747	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	4411	1.280	ug/l	88
13) Acrolein	3.58	56	793	5.917	ug/l #	32
14) Allyl chloride	4.30	41	8125	1.248	ug/l	98
15) Acrylonitrile	4.97	53	10437	5.030	ug/l	93
16) Acetone	3.79	43	12046	5.382	ug/l	95
17) Carbon Disulfide	4.03	76	11259	1.809	ug/l	96
18) Methyl Acetate	4.31	43	7292	1.260	ug/l #	66
19) Methyl tert-butyl Ether	5.01	73	15618	1.082	ug/l	100
20) Methylene Chloride	4.54	84	6355	1.418	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	4975	1.331	ug/l #	83
22) Diisopropyl ether	5.93	45	17836	1.124	ug/l	92
23) Vinyl Acetate	5.88	43	58502	5.241	ug/l	98
24) 1,1-Dichloroethane	5.82	63	9884	1.148	ug/l #	94
25) 2-Butanone	6.83	43	15597	5.157	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	7923	1.087	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	5923	1.209	ug/l	81
28) Bromochloromethane	7.18	49	3903	0.998	ug/l #	87
29) Tetrahydrofuran	7.20	42	5859	3.112	ug/l #	65
30) Chloroform	7.36	83	10455	1.142	ug/l	97
31) Cyclohexane	7.64	56	19688	2.849	ug/l #	45
32) 1,1,1-Trichloroethane	7.55	97	7705	1.091	ug/l #	51
36) 1,1-Dichloropropene	7.78	75	7569	1.271	ug/l	95
37) Ethyl Acetate	6.91	43	5416	0.917	ug/l #	94
38) Carbon Tetrachloride	7.76	117	6112	1.045	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	8973	1.395	ug/l	94
40) Benzene	8.03	78	22208	1.243	ug/l	95
41) Methacrylonitrile	7.16	41	2756	0.988	ug/l #	86
42) 1,2-Dichloroethane	8.11	62	8882	1.208	ug/l	94
43) Isopropyl Acetate	8.16	43	14239	1.298	ug/l #	73
44) Trichloroethene	8.83	130	5475	1.250	ug/l	90
45) 1,2-Dichloropropane	9.11	63	5986	1.152	ug/l	99
46) Dibromomethane	9.20	93	3725	1.169	ug/l	88
47) Bromodichloromethane	9.39	83	6345	0.967	ug/l #	97
48) Methyl methacrylate	9.19	41	5603	1.127	ug/l	93
49) 1,4-Dioxane	9.19	88	1227	15.550	ug/l #	86
51) 4-Methyl-2-Pentanone	9.98	43	29268	5.080	ug/l	99
52) Toluene	10.15	92	15011	1.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	6407	0.940	ug/l #	88
54) cis-1,3-Dichloropropene	9.83	75	6960	0.923	ug/l #	83
55) 1,1,2-Trichloroethane	10.56	97	4821	1.011	ug/l #	90
56) Ethyl methacrylate	10.43	69	6581	0.950	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	8402	1.017	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	12341	3.893	ug/l	97
59) 2-Hexanone	10.75	43	19884	4.658	ug/l	97
60) Dibromochloromethane	10.90	129	3655	0.797	ug/l	96
61) 1,2-Dibromoethane	11.00	107	4761	1.056	ug/l	98
64) Tetrachloroethene	10.62	164	4460	1.297	ug/l	95
65) Chlorobenzene	11.44	112	13864	1.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4163	0.968	ug/l #	64
67) Ethyl Benzene	11.51	91	25168	1.210	ug/l	97
68) m/p-Xylenes	11.63	106	18620	2.373	ug/l	94
69) o-Xylene	11.95	106	8755	1.141	ug/l	92
70) Styrene	11.97	104	12947	0.990	ug/l	98
71) Bromoform	12.13	173	2122	0.784	ug/l #	98
73) Isopropylbenzene	12.25	105	21668	1.190	ug/l	99
74) N-amyl acetate	12.08	43	7510	0.998	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	6597	1.111	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	7505	1.470	ug/l #	100
77) Bromobenzene	12.53	156	5274	1.162	ug/l	94
78) n-propylbenzene	12.60	91	23646	1.142	ug/l	100
79) 2-Chlorotoluene	12.68	91	15467	1.202	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	17290	1.127	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	955	0.608	ug/l #	38
82) 4-Chlorotoluene	12.78	91	15130	1.125	ug/l	98
83) tert-Butylbenzene	13.00	119	14511	1.071	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	17729	1.161	ug/l	98
85) sec-Butylbenzene	13.18	105	19740	1.114	ug/l	98
86) p-Isopropyltoluene	13.30	119	16001	1.018	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	9753	1.185	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	9753	1.164	ug/l	95
89) n-Butylbenzene	13.63	91	14894	1.013	ug/l	97
90) Hexachloroethane	13.88	117	2060	0.847	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	8398	1.026	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	895	0.839	ug/l #	56

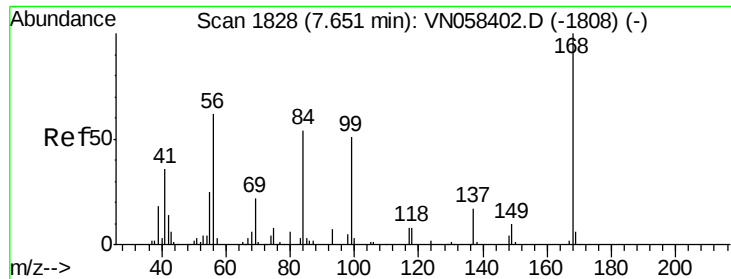
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	3722	0.723	ug/l	97
94) Hexachlorobutadiene	15.01	225	2664	1.068	ug/l	89
95) Naphthalene	15.14	128	9071	0.681	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3263	0.675	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

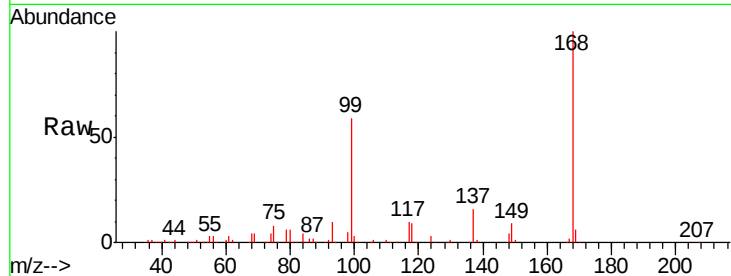
VSTDIC001

Tgt Ion:168 Resp: 461970

Ion Ratio Lower Upper

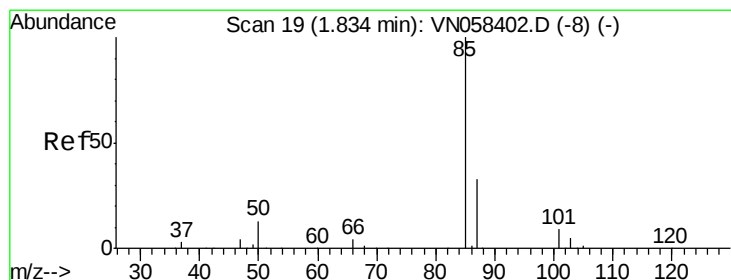
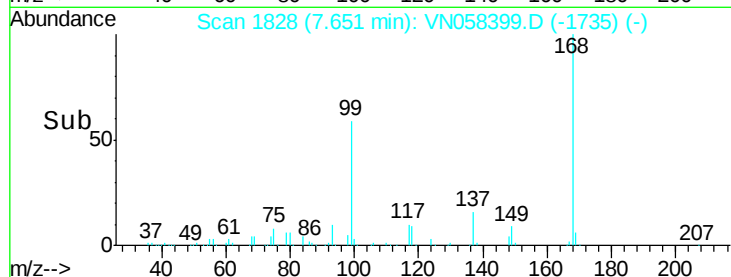
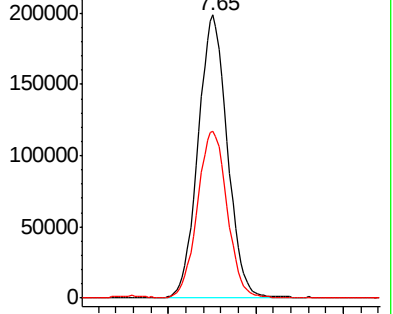
168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.236 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058399.D

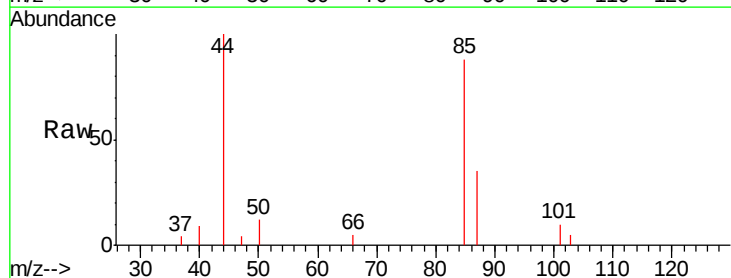
Acq: 27 Sep 2019 11:11

Tgt Ion: 85 Resp: 5031

Ion Ratio Lower Upper

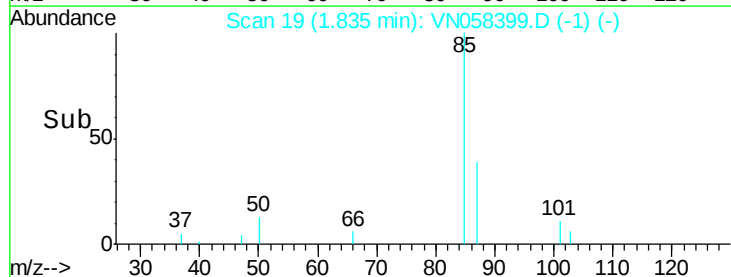
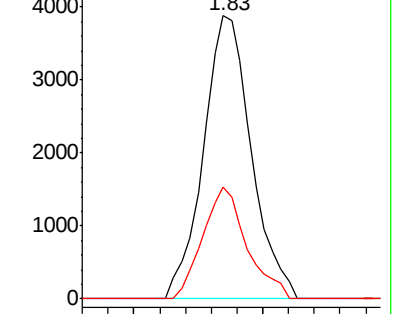
85 100

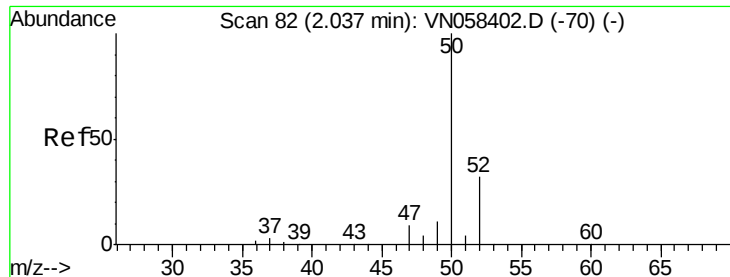
87 39.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.675 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

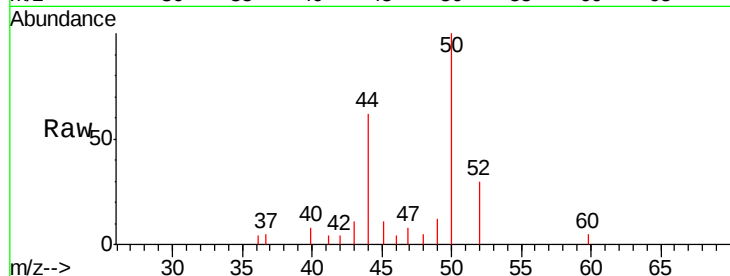
VSTDIC001

Tgt Ion: 50 Resp: 6638

Ion Ratio Lower Upper

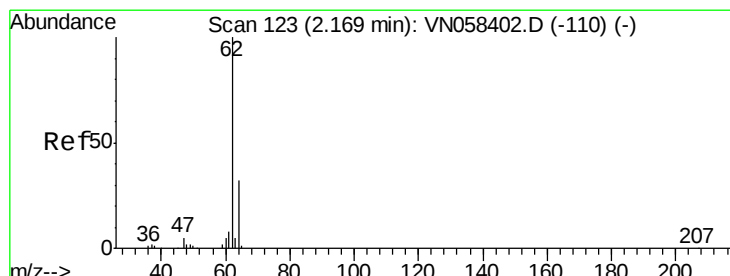
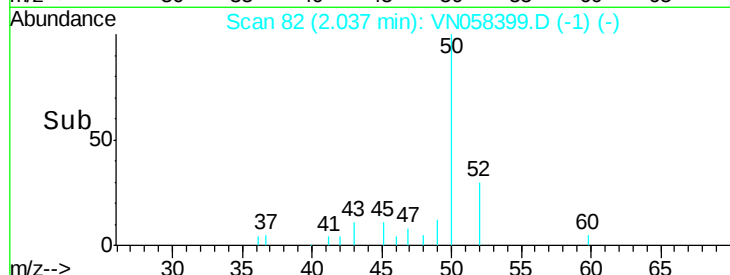
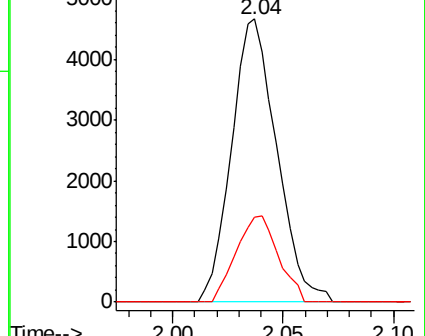
50 100

52 30.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.436 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058399.D

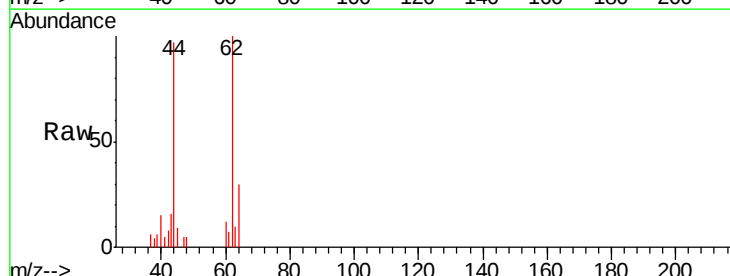
Acq: 27 Sep 2019 11:11

Tgt Ion: 62 Resp: 5818

Ion Ratio Lower Upper

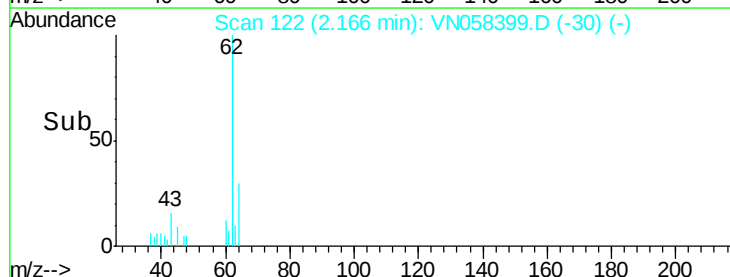
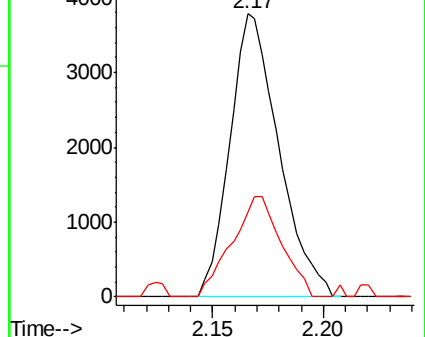
62 100

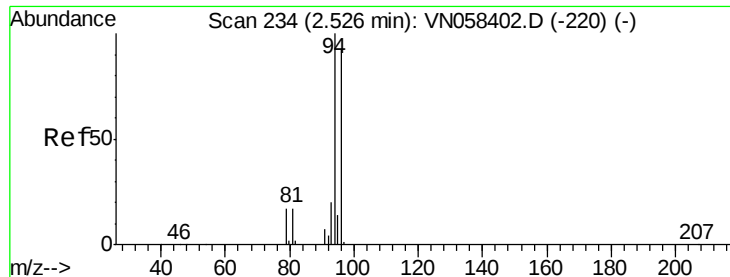
64 29.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.729 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

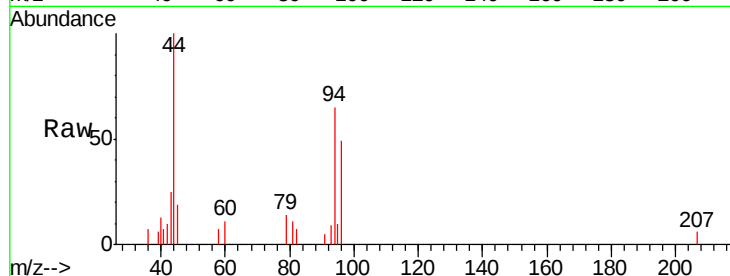
VSTDIC001

Tgt Ion: 94 Resp: 3577

Ion Ratio Lower Upper

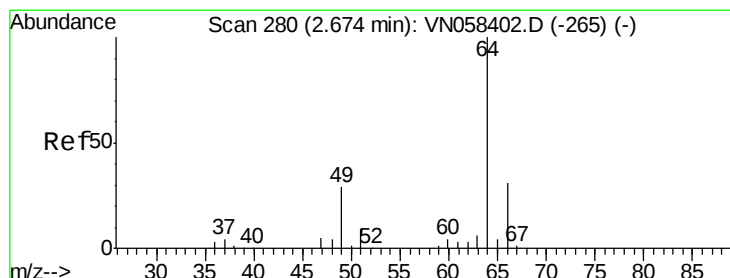
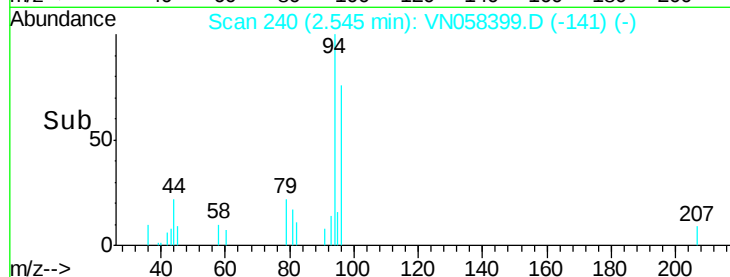
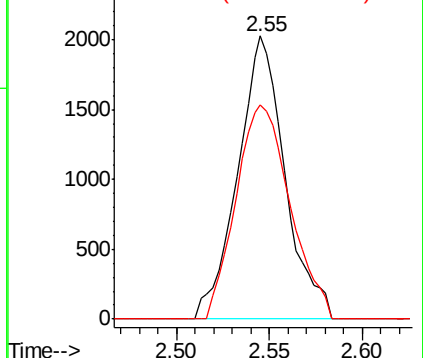
94 100

96 75.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.331 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058399.D

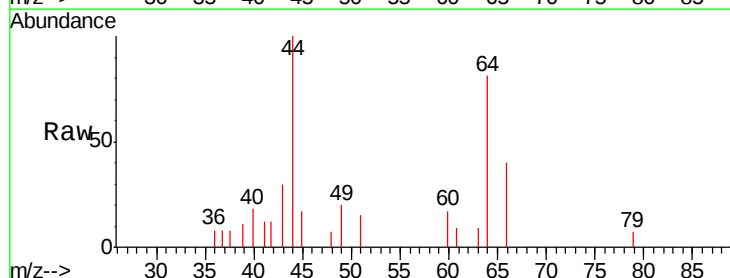
Acq: 27 Sep 2019 11:11

Tgt Ion: 64 Resp: 3493

Ion Ratio Lower Upper

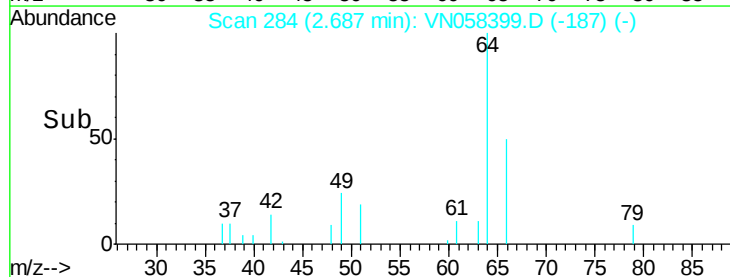
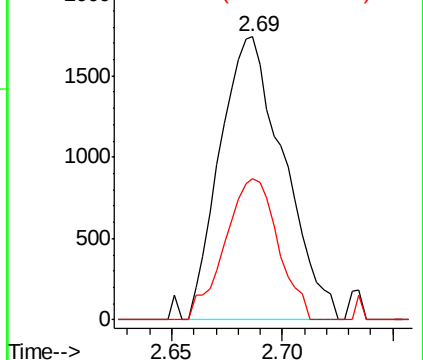
64 100

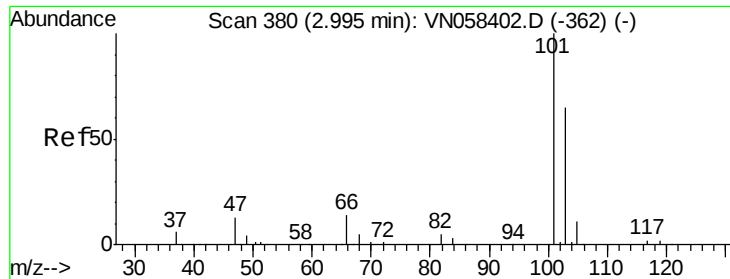
66 49.8 24.4 36.6#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



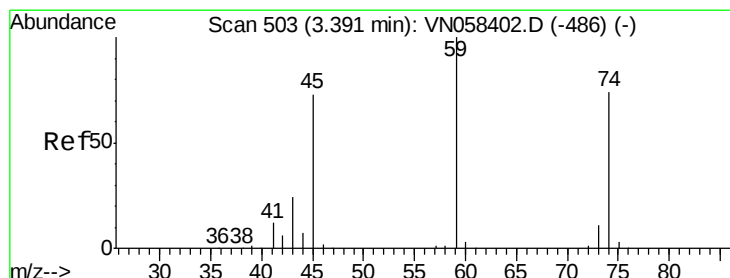
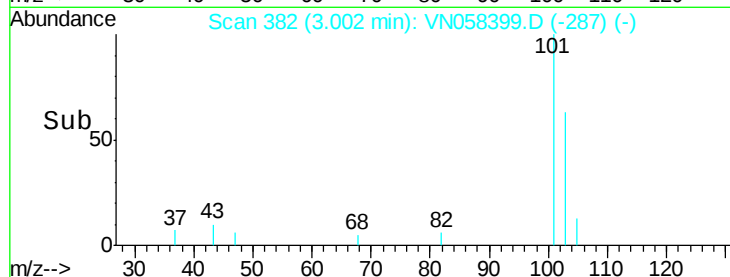
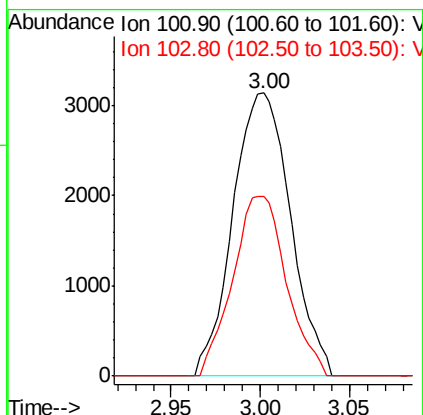
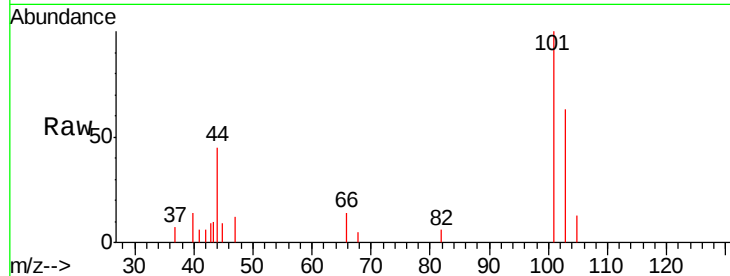


#7

Trichlorofluoromethane
 Concen: 1.281 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

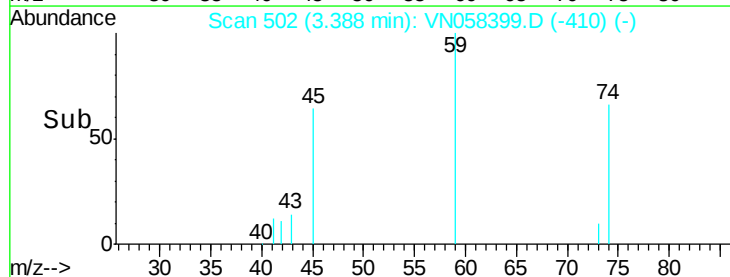
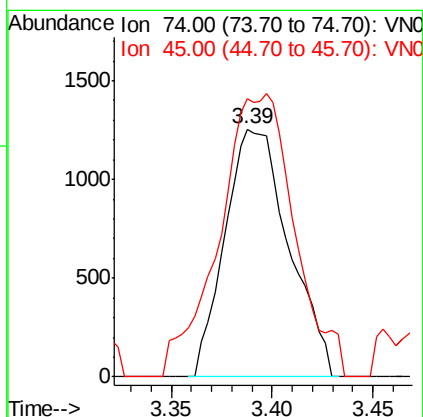
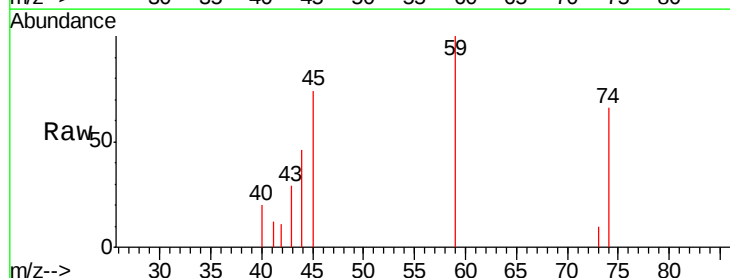
Tgt Ion: 101 Resp: 7081
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5

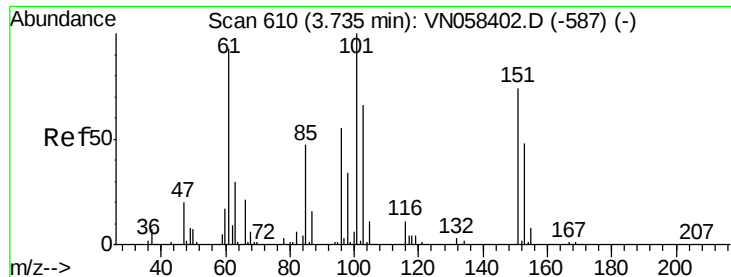


#8

Diethyl Ether
 Concen: 1.114 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 74 Resp: 2765
 Ion Ratio Lower Upper
 74 100
 45 134.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.785 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

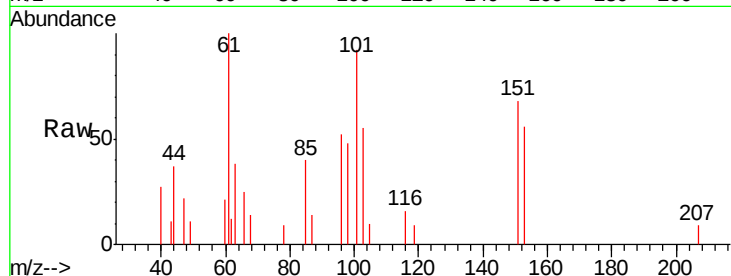
Tgt Ion:101 Resp: 3083

Ion Ratio Lower Upper

101 100

85 75.0 36.7 55.1#

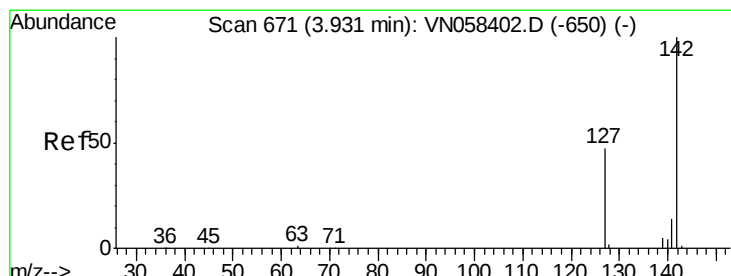
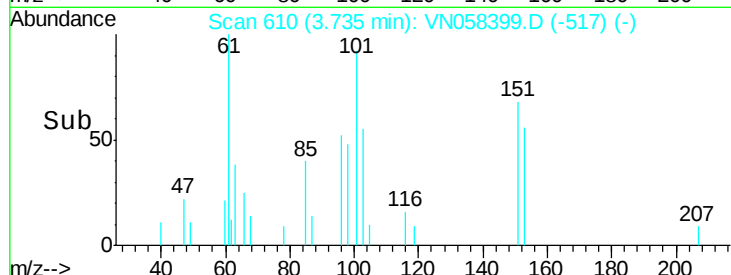
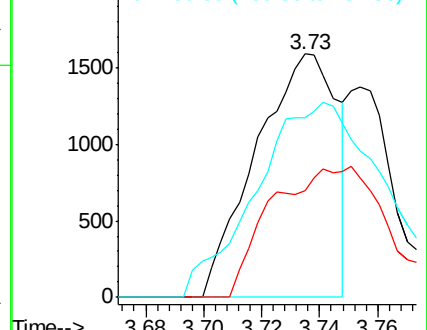
151 123.5 59.4 89.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.987 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

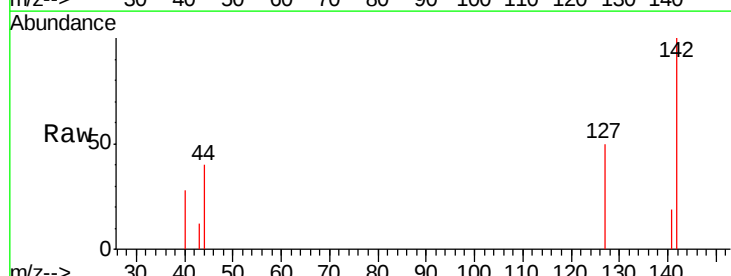
Tgt Ion:142 Resp: 3529

Ion Ratio Lower Upper

142 100

127 48.5 37.2 55.8

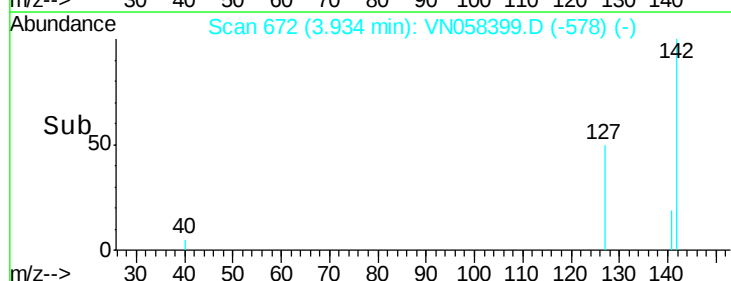
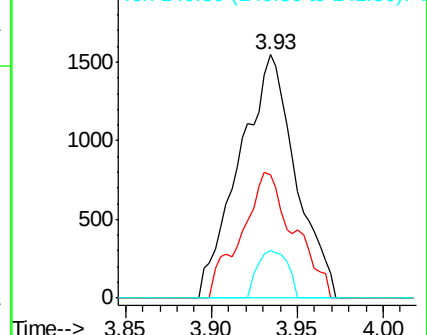
141 10.4 11.3 16.9#

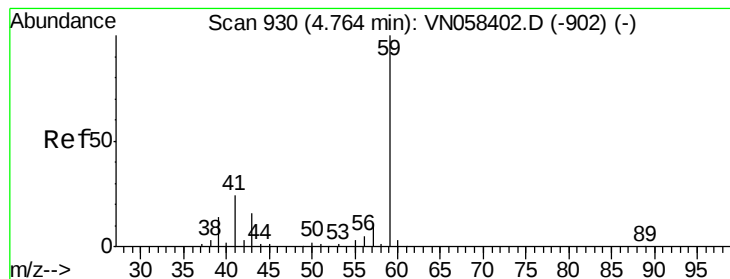


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



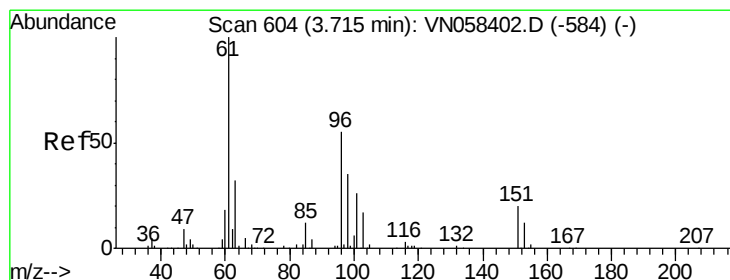
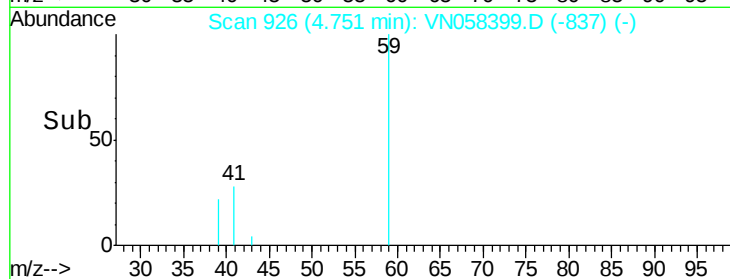
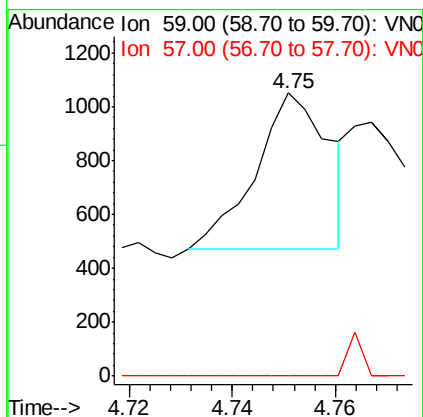
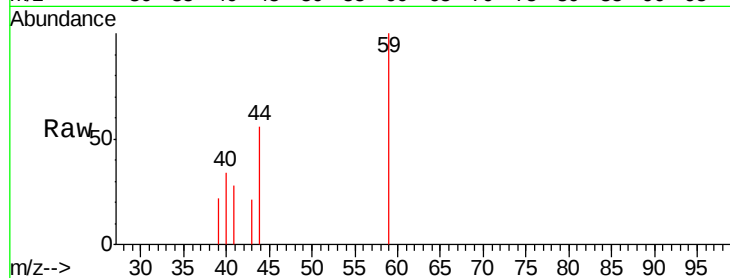


#11

Tert butyl alcohol
 Concen: 0.747 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

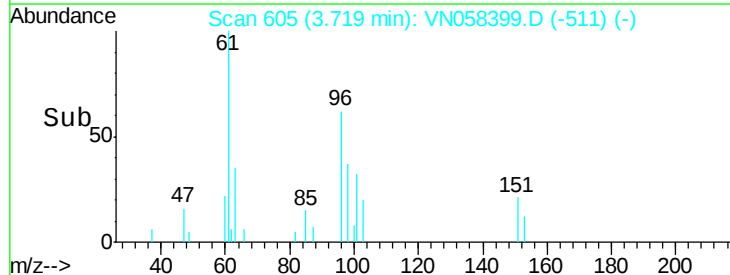
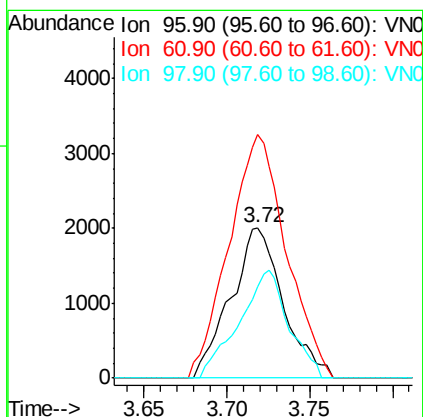
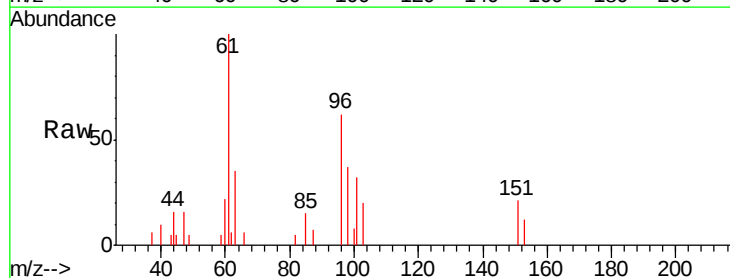
Tgt Ion: 59 Resp: 571
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

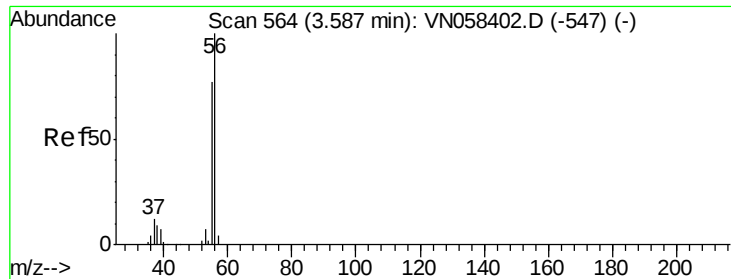


#12

1,1-Dichloroethene
 Concen: 1.280 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 96 Resp: 4411
 Ion Ratio Lower Upper
 96 100
 61 161.6 146.7 220.1
 98 60.6 51.3 76.9

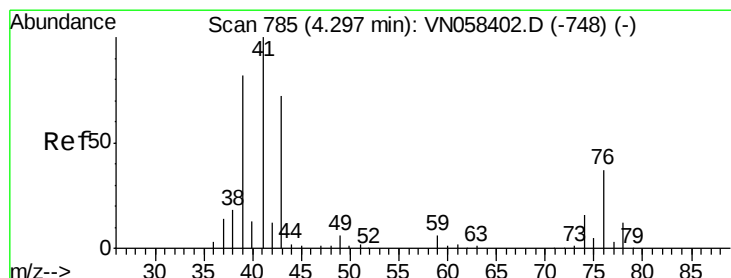
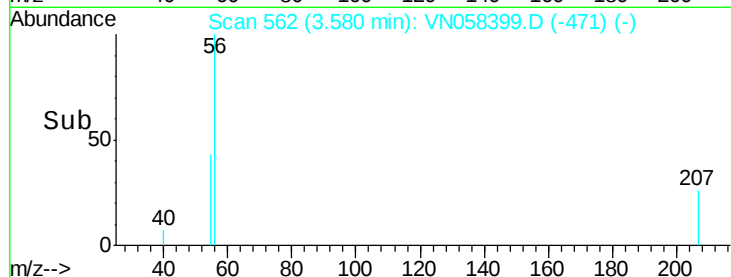
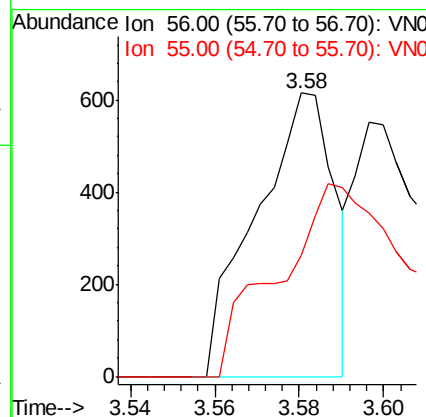
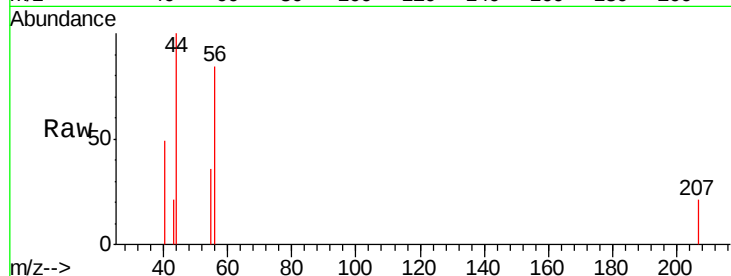




#13
Acrolein
Concen: 5.917 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

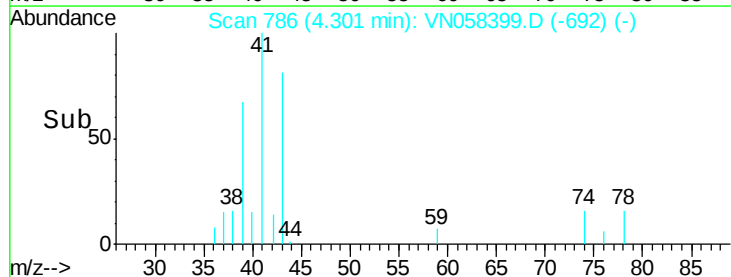
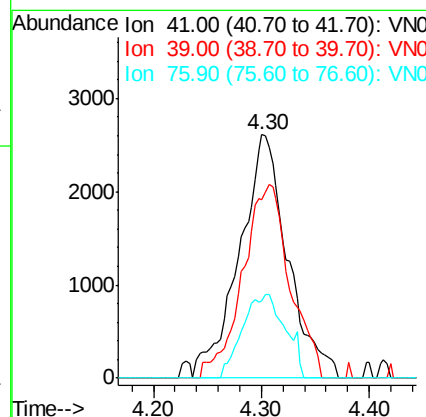
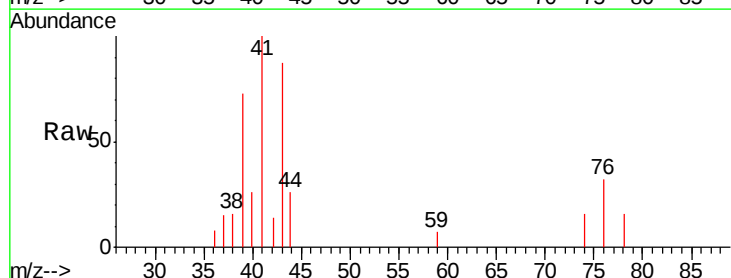
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

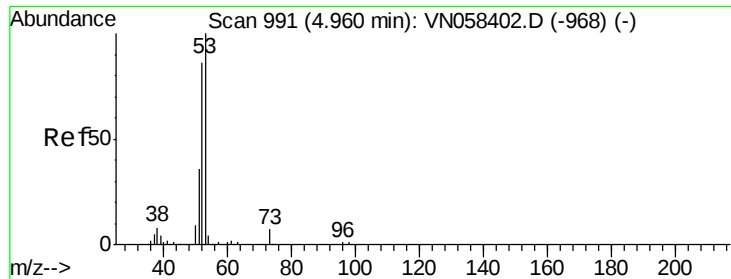
Tgt Ion: 56 Resp: 793
Ion Ratio Lower Upper
56 100
55 130.0 58.3 87.5#



#14
Allyl chloride
Concen: 1.248 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 41 Resp: 8125
Ion Ratio Lower Upper
41 100
39 77.7 62.3 93.5
76 30.5 26.9 40.3





#15

Acrylonitrile

Concen: 5.030 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

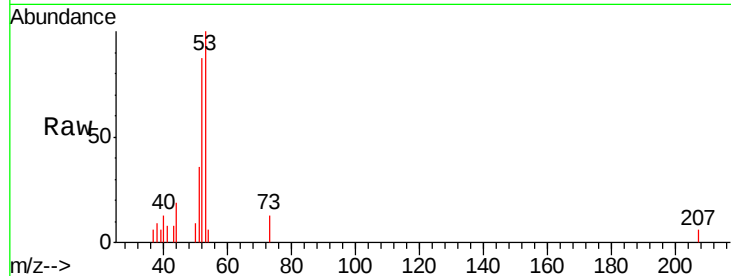
Tgt Ion: 53 Resp: 10437

Ion Ratio Lower Upper

53 100

52 76.2 66.6 100.0

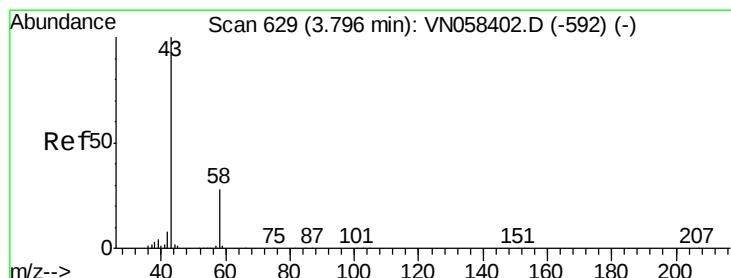
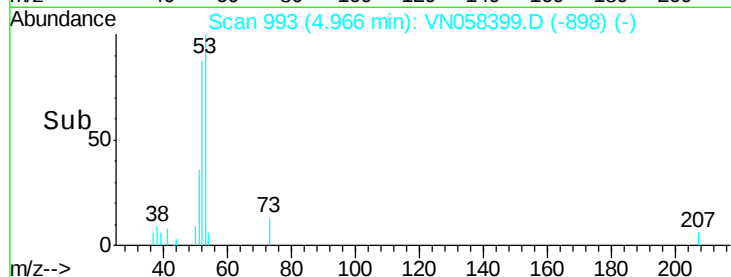
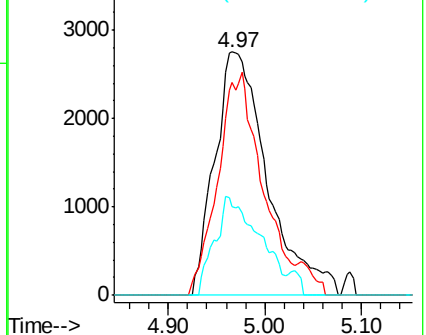
51 34.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 5.382 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058399.D

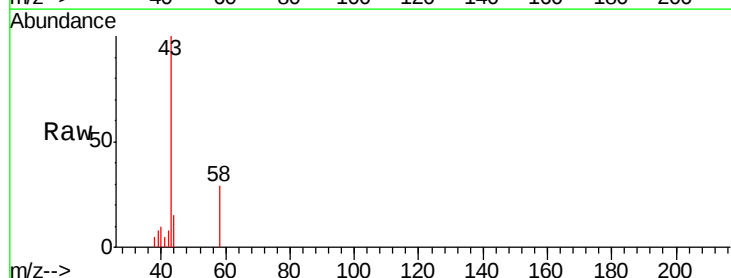
Acq: 27 Sep 2019 11:11

Tgt Ion: 43 Resp: 12046

Ion Ratio Lower Upper

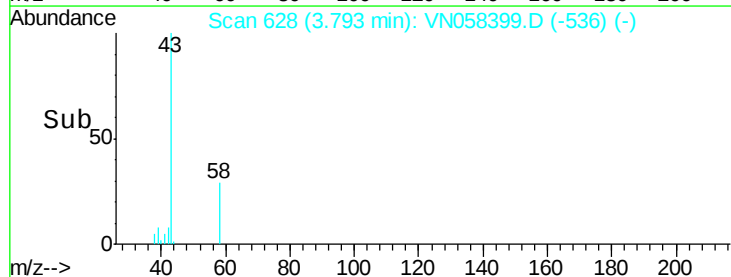
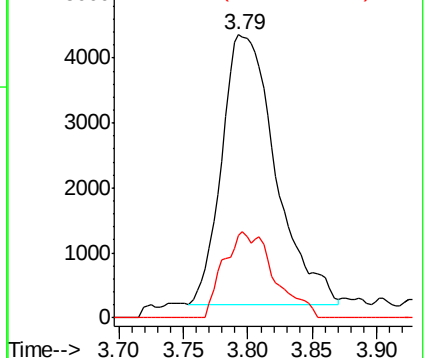
43 100

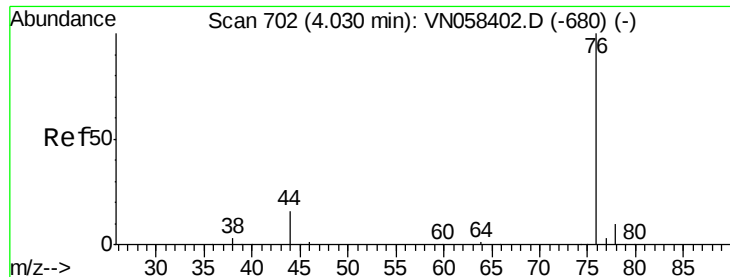
58 30.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.809 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

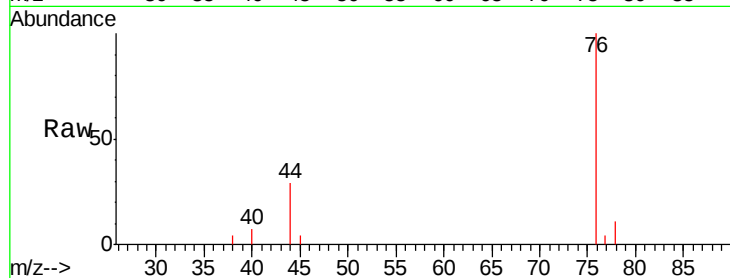
VSTDIC001

Tgt Ion: 76 Resp: 11259

Ion Ratio Lower Upper

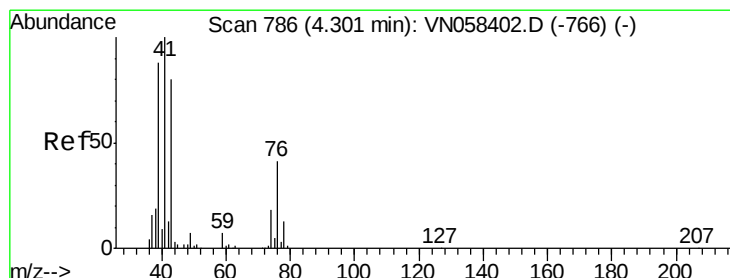
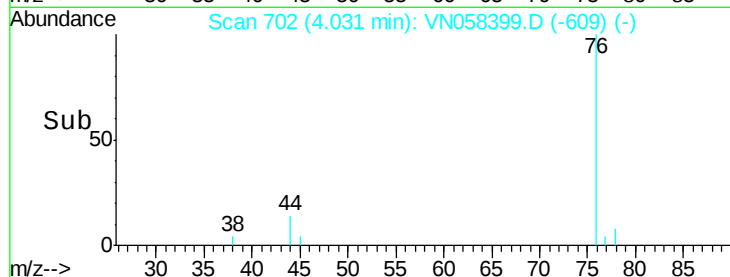
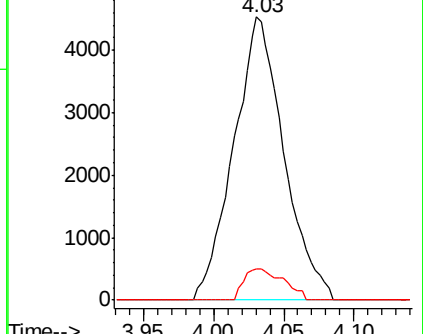
76 100

78 11.0 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.260 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058399.D

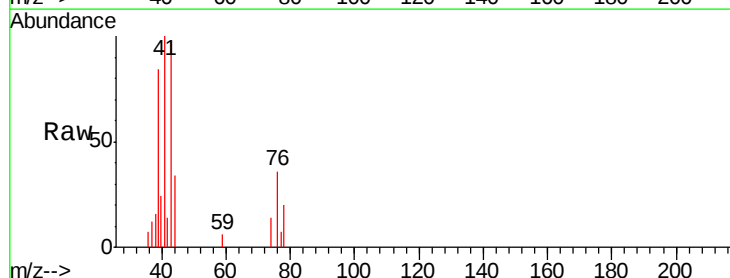
Acq: 27 Sep 2019 11:11

Tgt Ion: 43 Resp: 7292

Ion Ratio Lower Upper

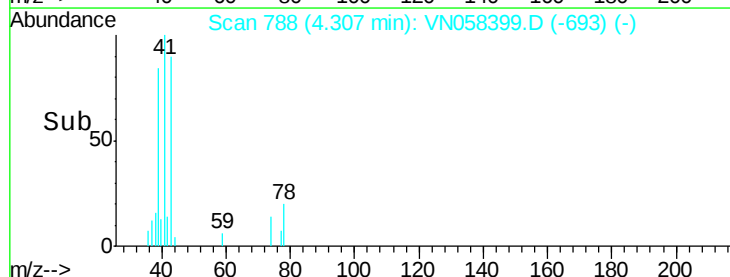
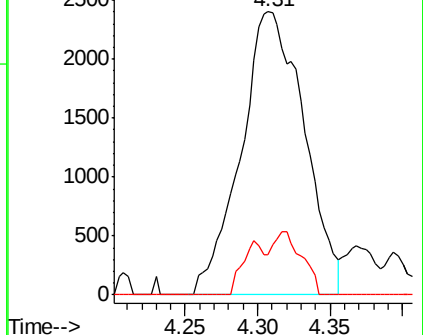
43 100

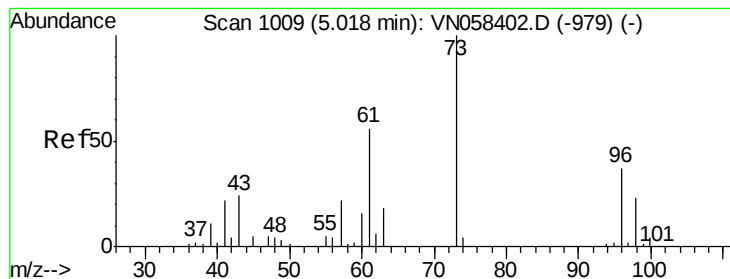
74 6.2 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 1.082 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

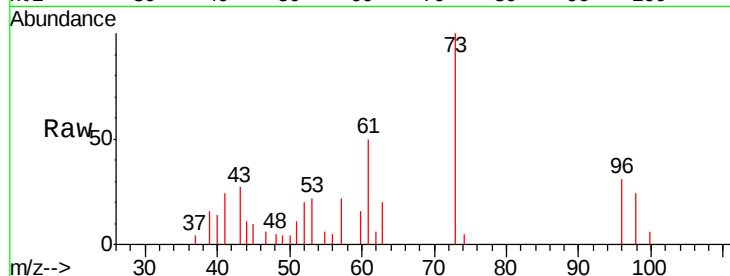
VSTDIC001

Tgt Ion: 73 Resp: 15618

Ion Ratio Lower Upper

73 100

57 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VN058402.D (-979) (-)

Ion 57.00 (56.70 to 57.70): VN058402.D (-979) (-)

5000

4000

3000

2000

1000

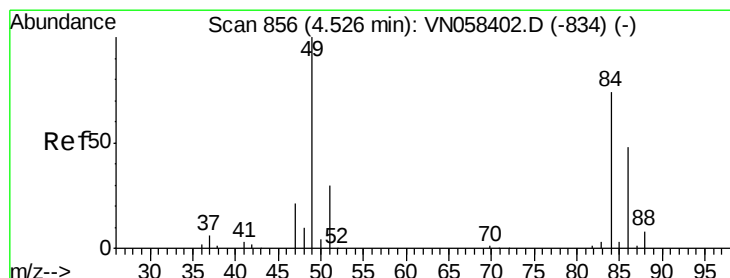
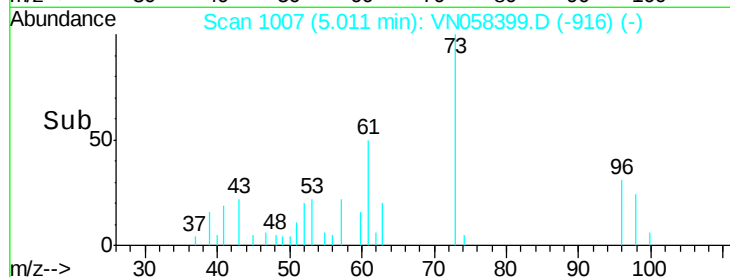
0

Time-->

4.90

5.01

5.10



#20

Methylene Chloride

Concen: 1.418 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion: 84 Resp: 6355

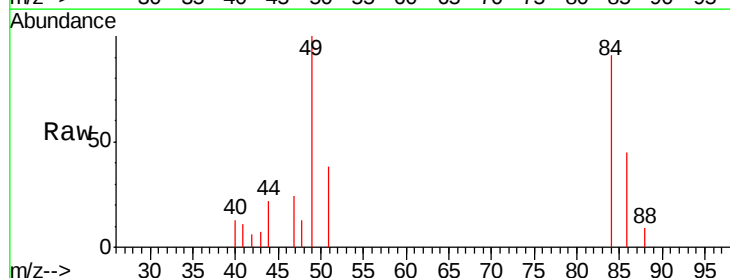
Ion Ratio Lower Upper

84 100

49 110.3 107.9 161.9

51 41.9 32.8 49.2

86 49.5 51.5 77.3#



Abundance Ion 83.90 (83.60 to 84.60): VN058402.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN058402.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN058402.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN058402.D (-834) (-)

4000

3000

2000

1000

0

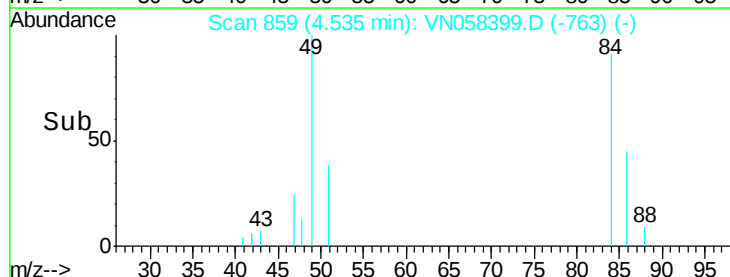
Time-->

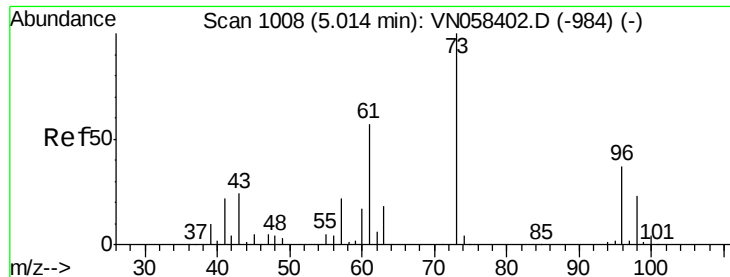
4.45

4.50

4.54

4.60

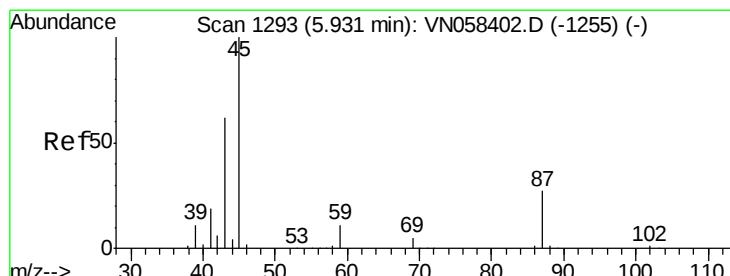
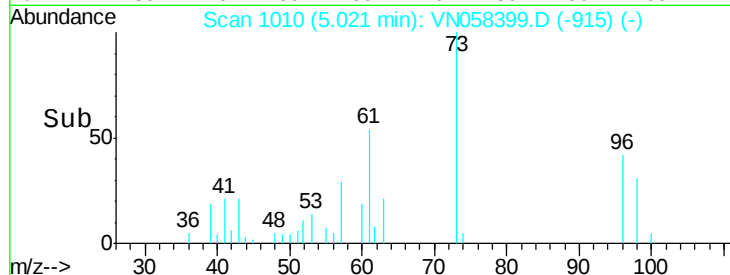
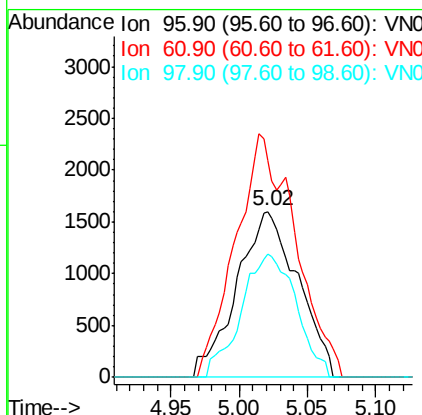
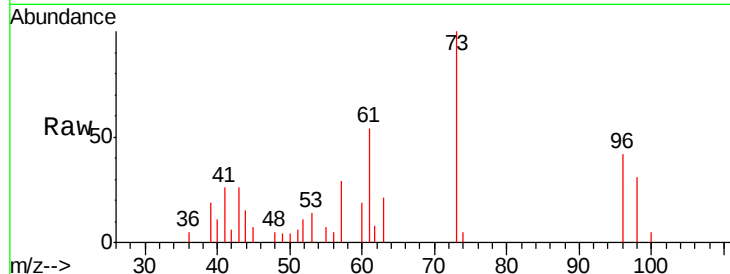




#21
trans-1,2-Dichloroethene
Concen: 1.331 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

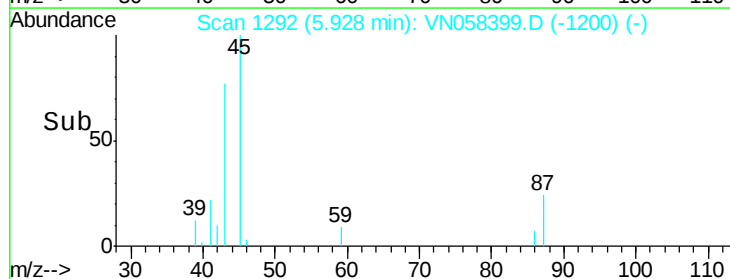
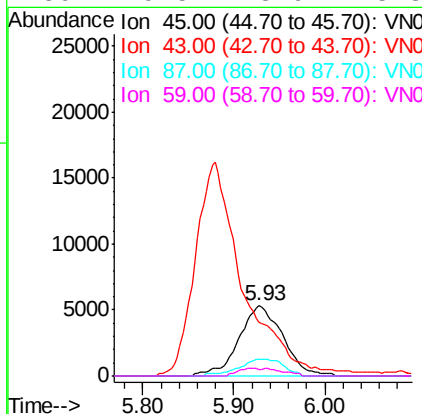
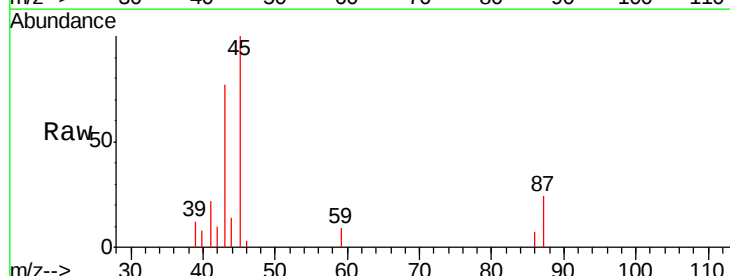
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

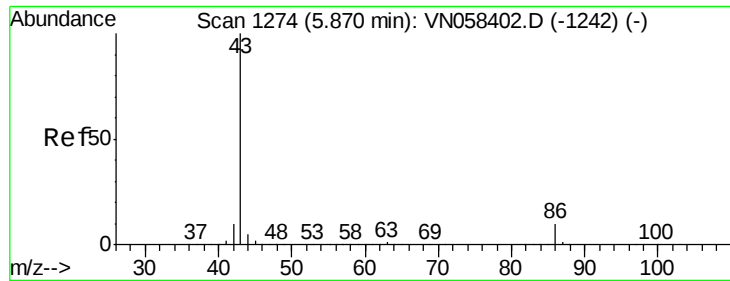
Tgt Ion: 96 Resp: 4975
Ion Ratio Lower Upper
96 100
61 130.7 121.9 182.9
98 74.0 49.3 73.9#



#22
Diisopropyl ether
Concen: 1.124 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 45 Resp: 17836
Ion Ratio Lower Upper
45 100
43 69.9 49.7 74.5
87 23.7 21.5 32.3
59 9.5 8.9 13.3





#23

Vinyl Acetate

Concen: 5.241 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

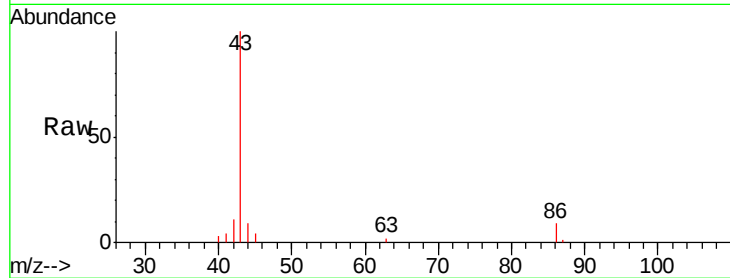
VSTDIC001

Tgt Ion: 43 Resp: 58502

Ion Ratio Lower Upper

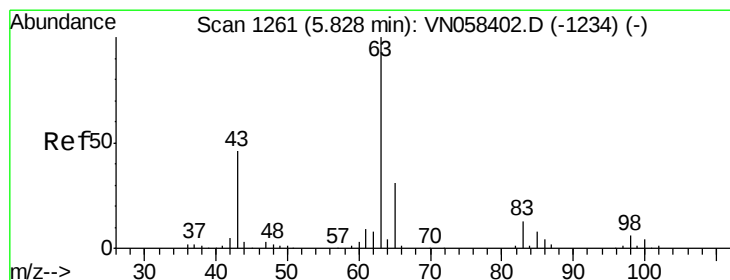
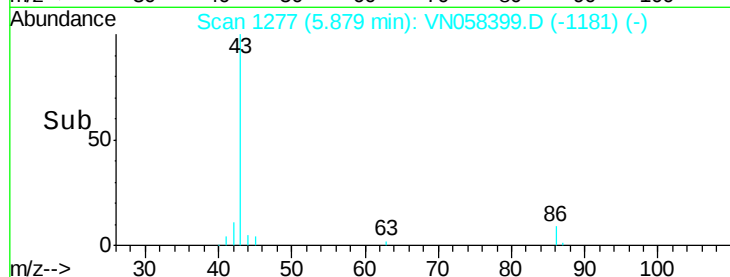
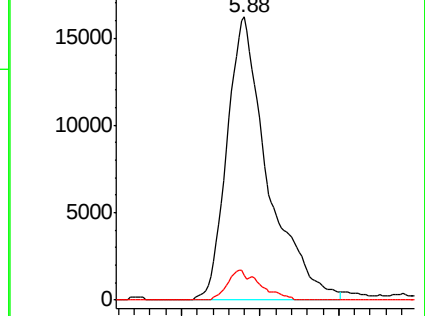
43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN058399.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058399.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 1.148 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

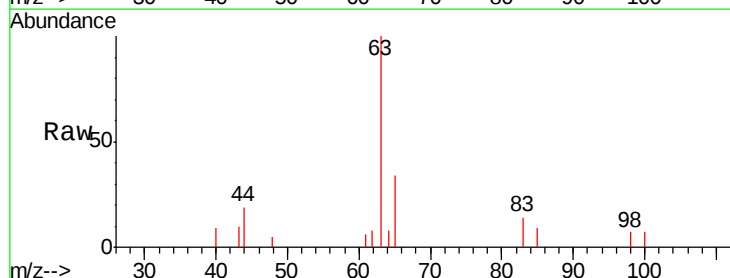
Tgt Ion: 63 Resp: 9884

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.0

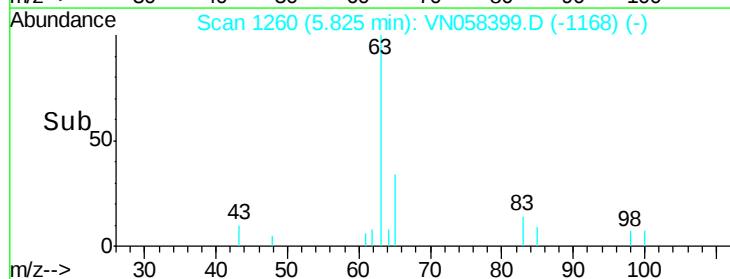
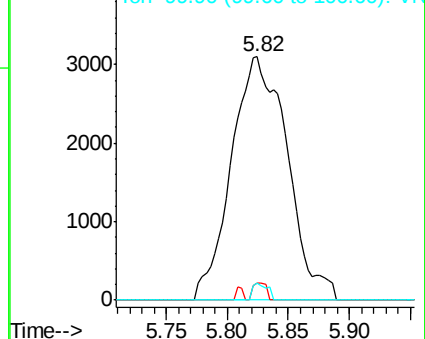
100 7.3 2.0 5.8#

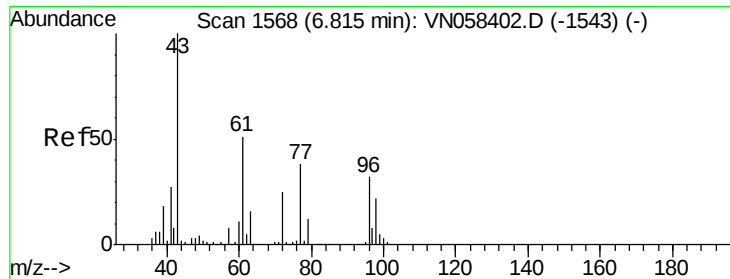


Abundance Ion 62.90 (62.60 to 63.60): VN058399.D (-1168) (-)

Ion 97.90 (97.60 to 98.60): VN058399.D (-1168) (-)

Ion 99.90 (99.60 to 100.60): VN058399.D (-1168) (-)





#25

2-Butanone

Concen: 5.157 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

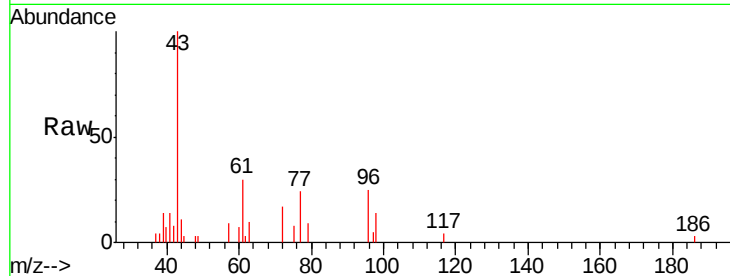
VSTDIC001

Tgt Ion: 43 Resp: 15597

Ion Ratio Lower Upper

43 100

72 16.9 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

6000

5000

4000

3000

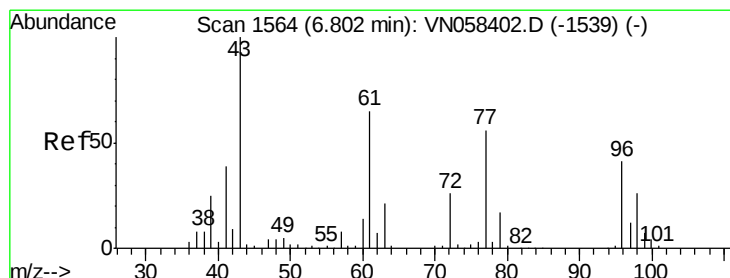
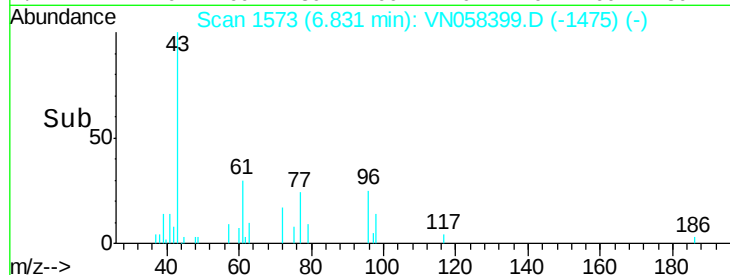
2000

1000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058399.D

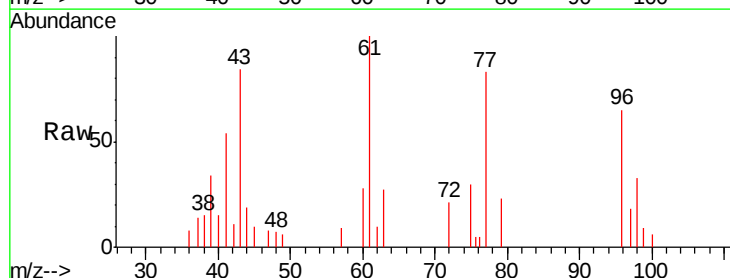
Acq: 27 Sep 2019 11:11

Tgt Ion: 77 Resp: 7923

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

3000

2500

2000

1500

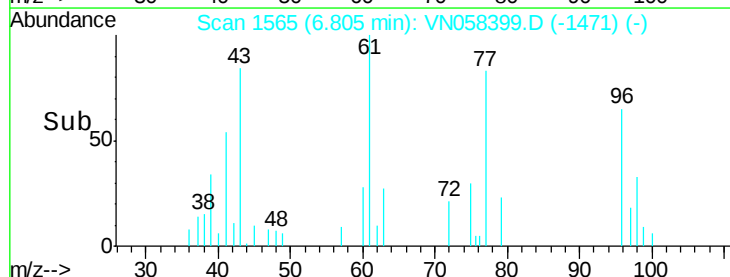
1000

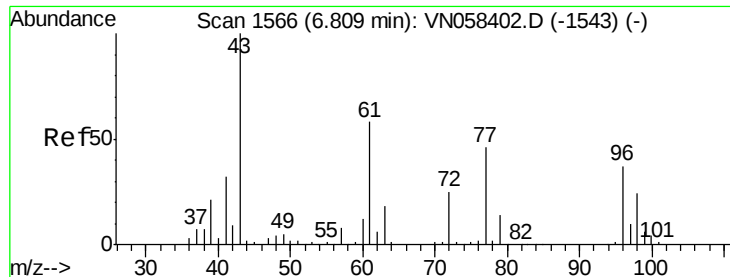
500

0

6.70 6.75 6.80 6.85 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 1.209 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

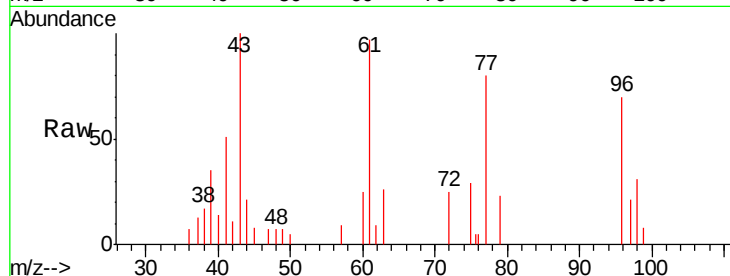
Tgt Ion: 96 Resp: 5923

Ion Ratio Lower Upper

96 100

61 148.0 0.0 318.8

98 29.8 0.0 129.8

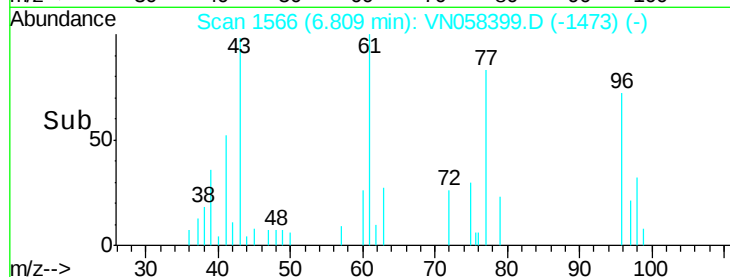


Abundance Ion 95.90 (95.60 to 96.60): VN058402.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1543) (-)

Time-->

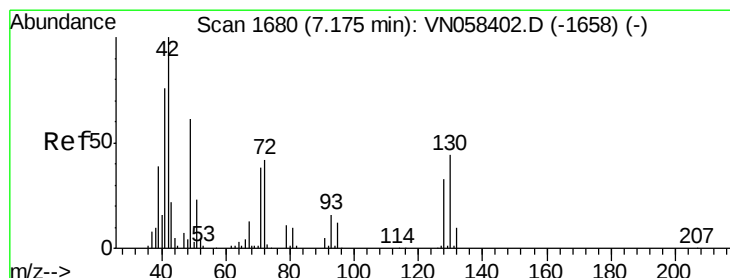


Abundance Ion 95.90 (95.60 to 96.60): VN058399.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058399.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058399.D (-1473) (-)

Time-->



#28

Bromochloromethane

Concen: 0.998 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

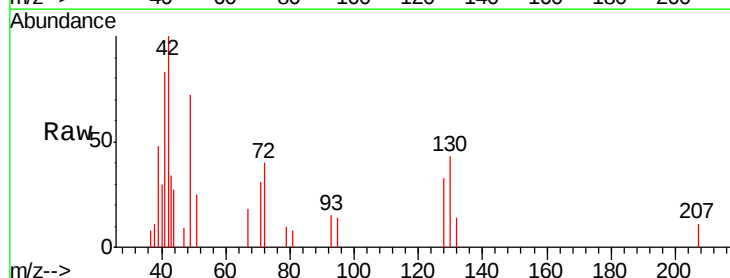
Tgt Ion: 49 Resp: 3903

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 59.9 56.3 84.5

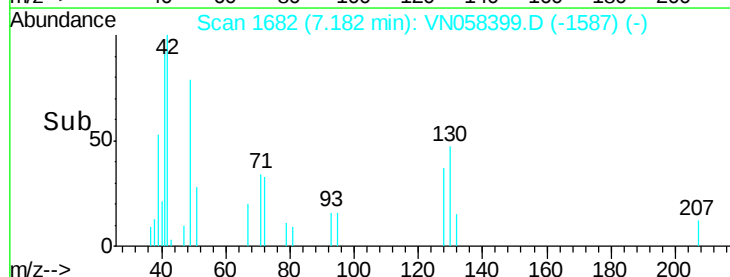


Abundance Ion 48.90 (48.60 to 49.60): VN058402.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN058402.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN058402.D (-1658) (-)

Time-->

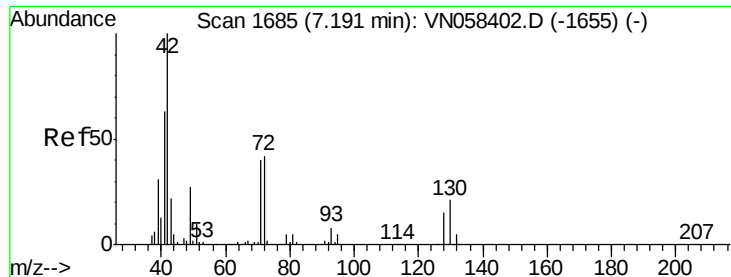


Abundance Ion 48.90 (48.60 to 49.60): VN058399.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058399.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058399.D (-1587) (-)

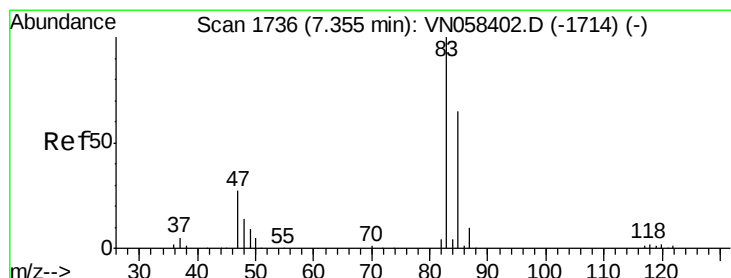
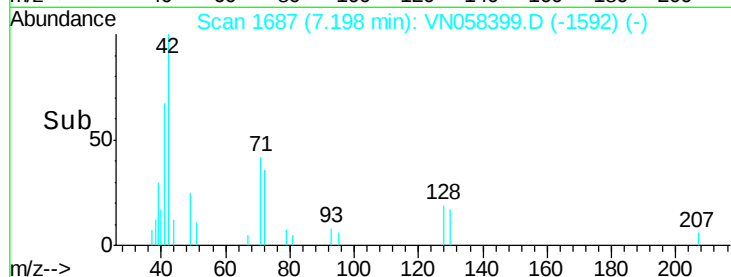
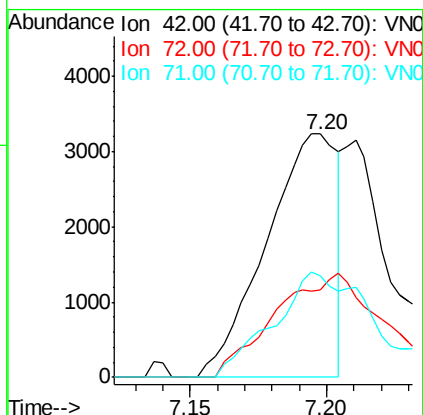
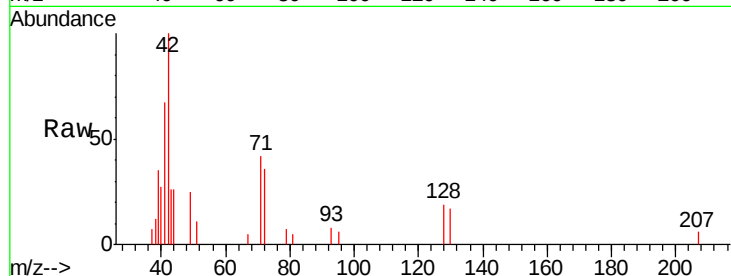
Time-->



#29
Tetrahydrofuran
Concen: 3.112 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

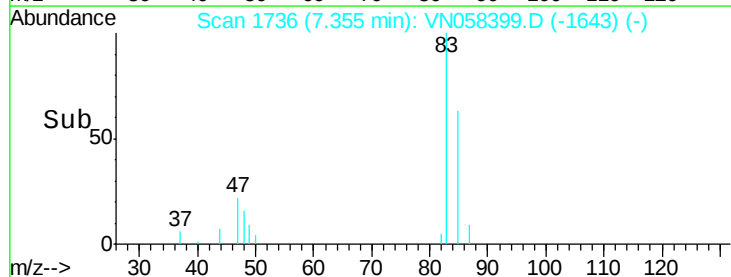
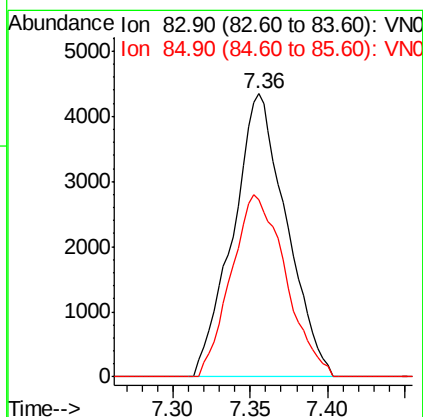
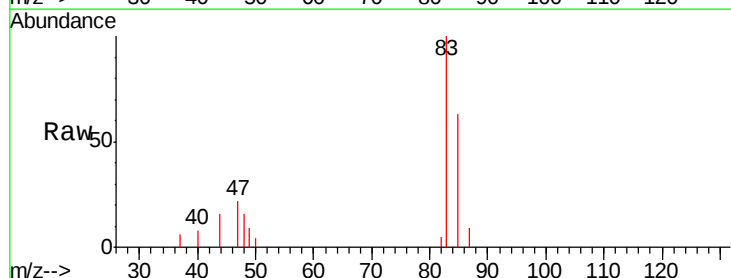
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

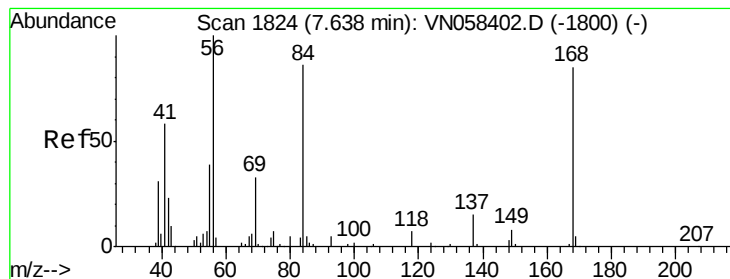
Tgt Ion: 42 Resp: 5859
Ion Ratio Lower Upper
42 100
72 65.3 33.7 50.5#
71 60.5 31.8 47.6#



#30
Chloroform
Concen: 1.142 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 83 Resp: 10455
Ion Ratio Lower Upper
83 100
85 62.6 52.0 78.0





#31

Cyclohexane

Concen: 2.849 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

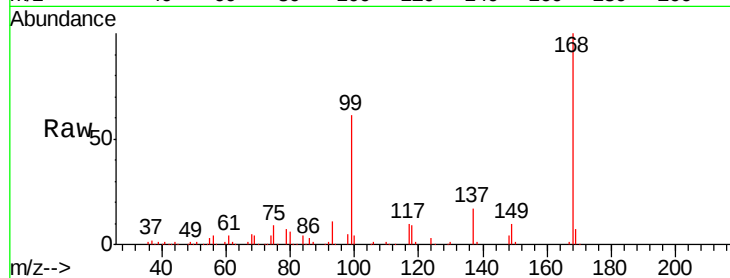
Tgt Ion: 56 Resp: 19688

Ion Ratio Lower Upper

56 100

69 107.5 26.2 39.4#

84 106.7 67.6 101.4#

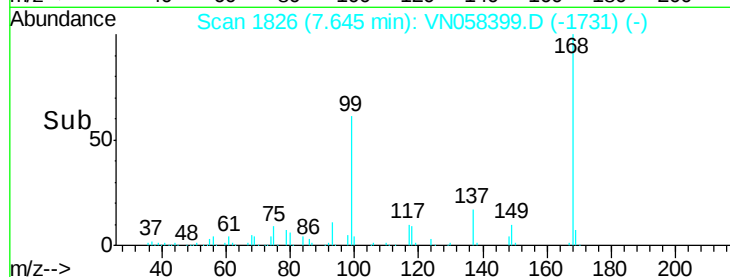


Abundance Ion 56.00 (55.70 to 56.70): VN058399.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058399.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058399.D (-1731) (-)

Time-->

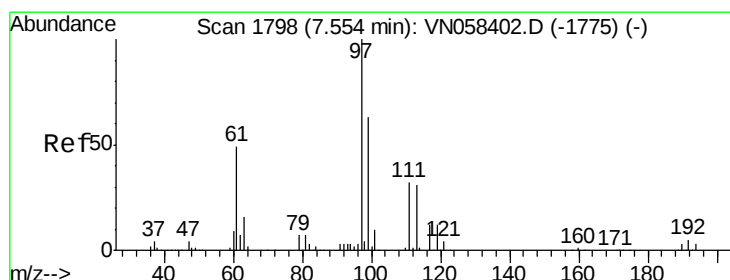


Abundance Ion 56.00 (55.70 to 56.70): VN058399.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN058399.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN058399.D (-1731) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 1.091 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

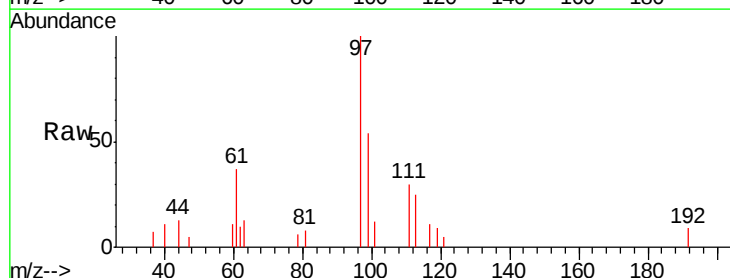
Tgt Ion: 97 Resp: 7705

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 44.1 39.2 58.8

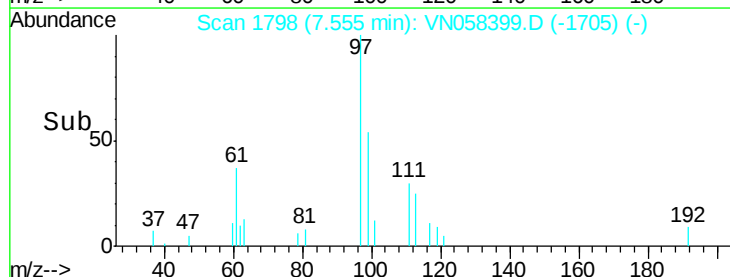


Abundance Ion 96.90 (96.60 to 97.60): VN058399.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058399.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058399.D (-1705) (-)

Time-->

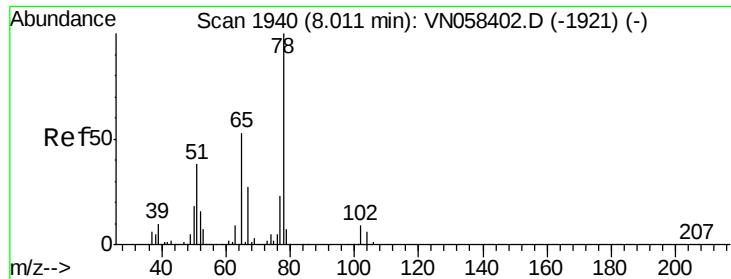


Abundance Ion 96.90 (96.60 to 97.60): VN058399.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN058399.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN058399.D (-1705) (-)

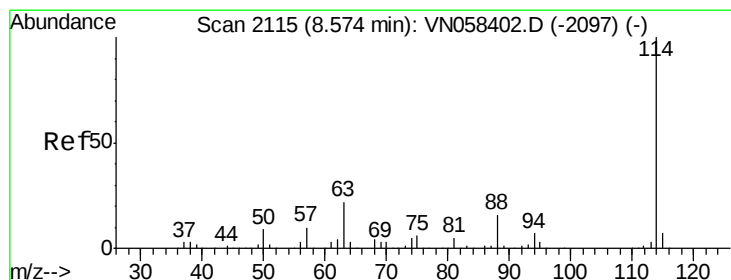
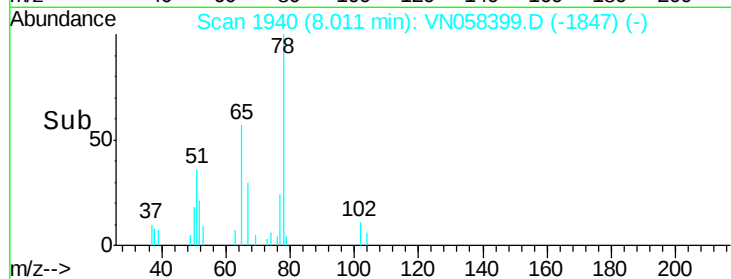
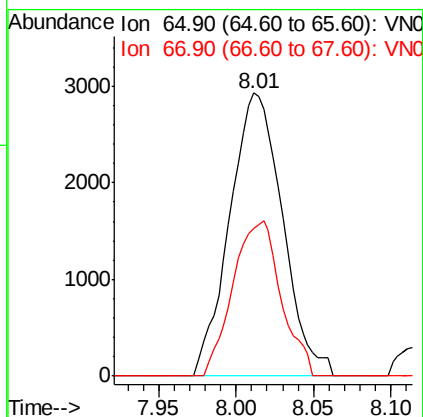
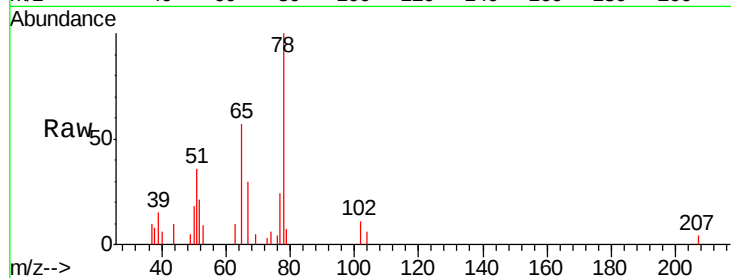
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 1.069 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

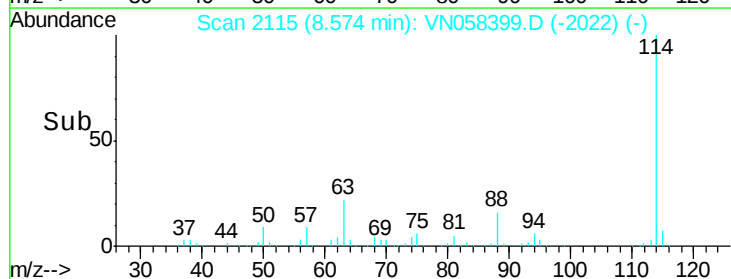
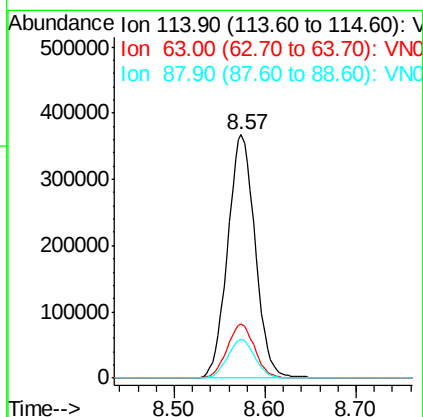
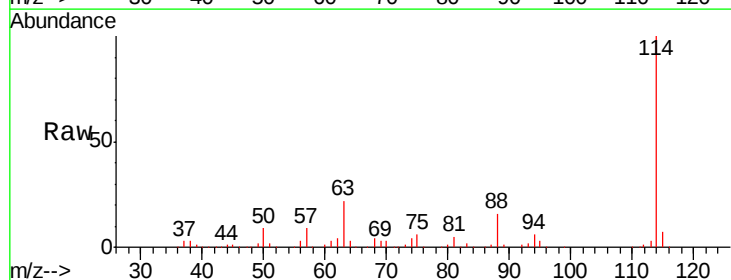
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

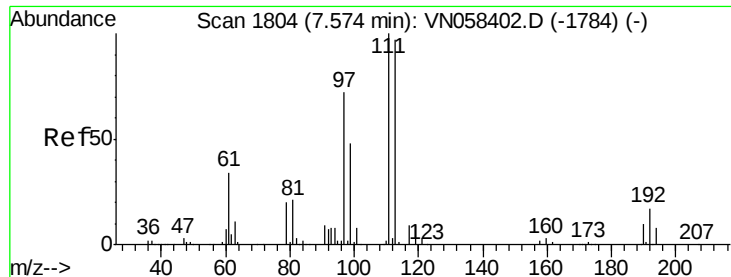
Tgt Ion: 65 Resp: 6948
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 114 Resp: 770650
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.0
 88 15.8 0.0 32.2

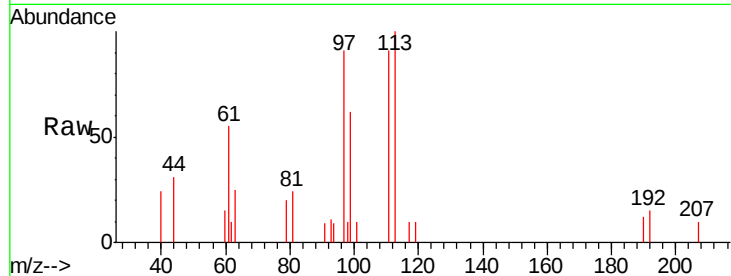




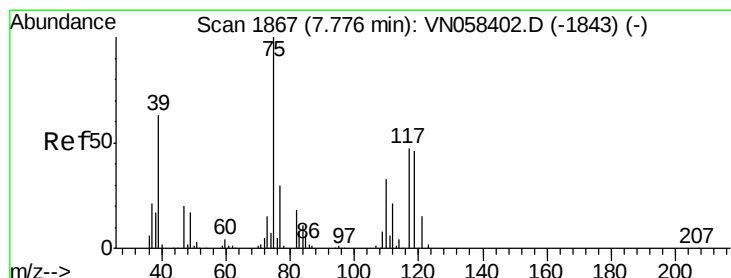
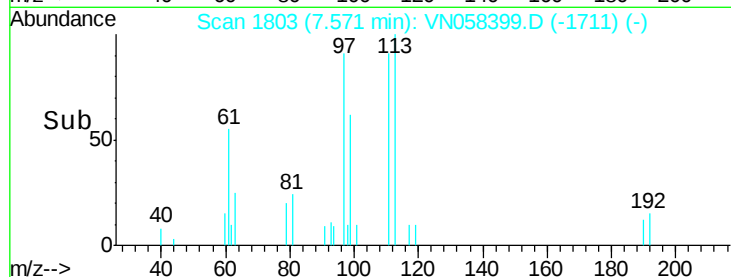
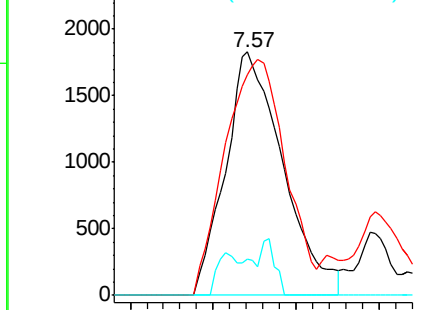
#35
 Dibromofluoromethane
 Concen: 0.943 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:113 Resp: 4422
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.4 125.2
 192 5.4 14.9 22.3#

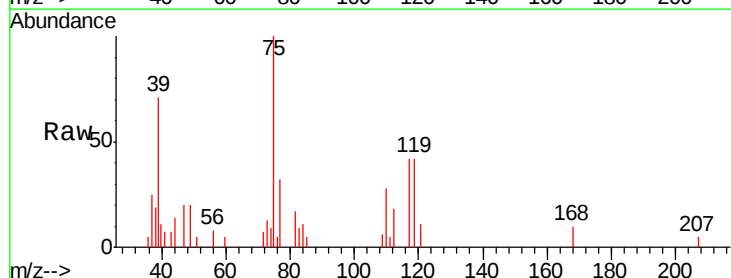


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

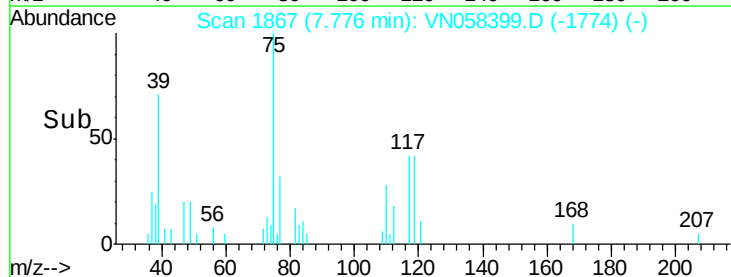
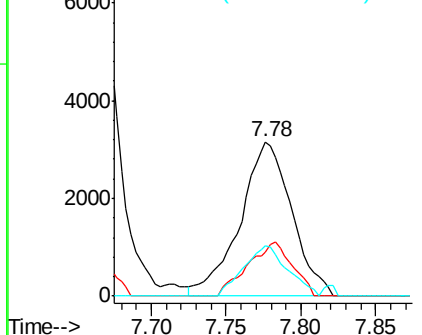


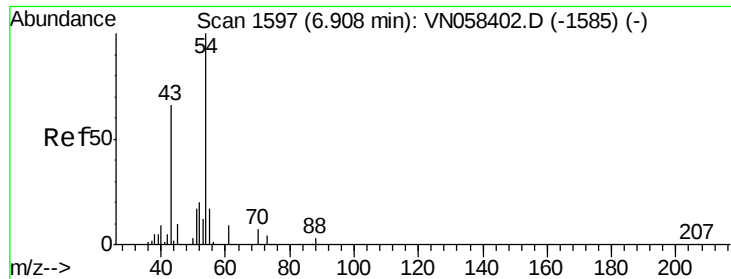
#36
 1,1-Dichloropropene
 Concen: 1.271 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 75 Resp: 7569
 Ion Ratio Lower Upper
 75 100
 110 30.2 16.4 49.2
 77 28.0 24.3 36.5



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





#37

Ethyl Acetate

Concen: 0.917 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

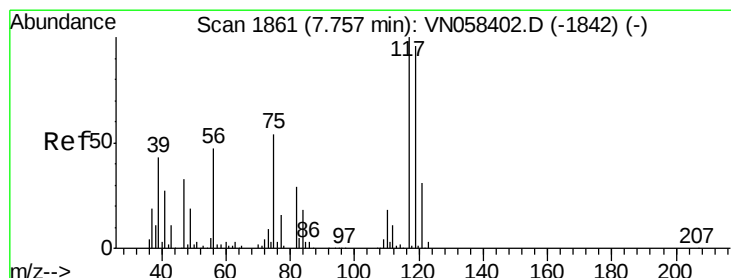
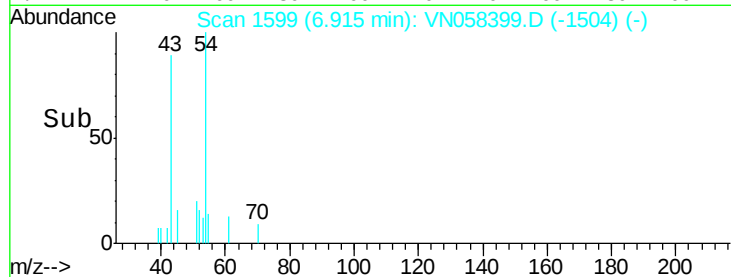
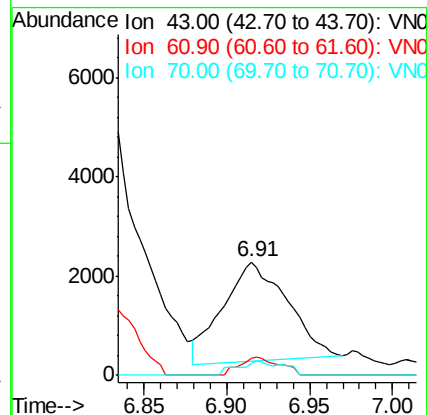
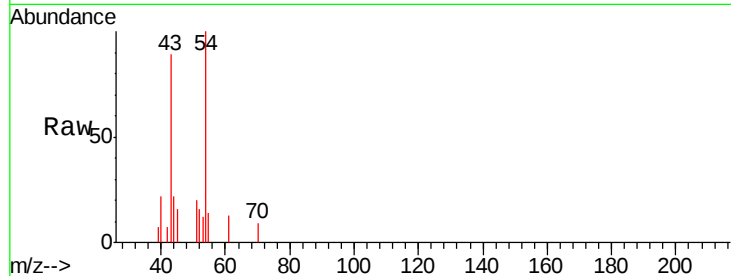
Tgt Ion: 43 Resp: 5416

Ion Ratio Lower Upper

43 100

61 11.3 10.5 15.7

70 7.1 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 1.045 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

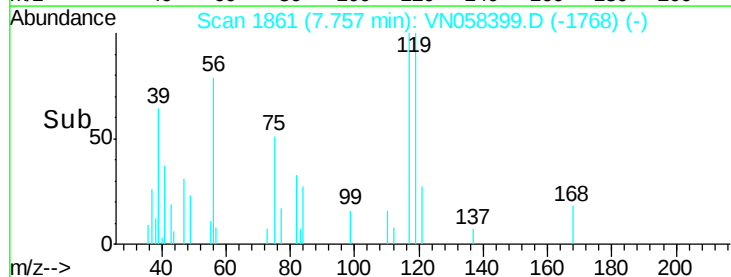
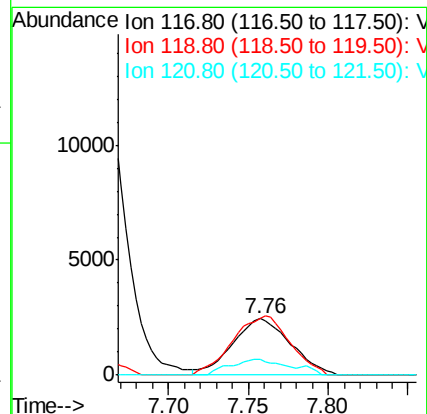
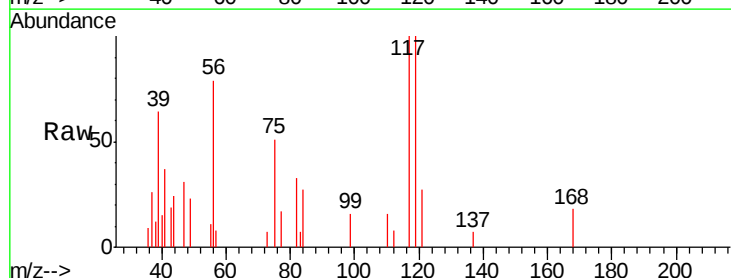
Tgt Ion: 117 Resp: 6112

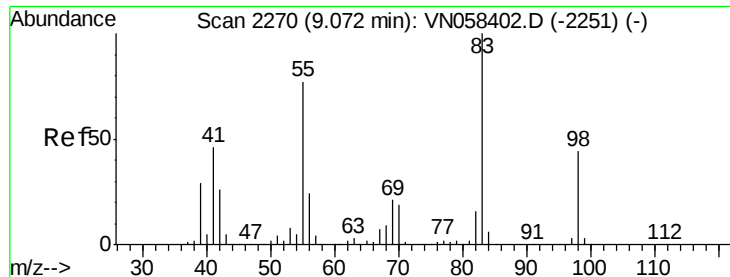
Ion Ratio Lower Upper

117 100

119 100.4 76.6 115.0

121 27.3 24.7 37.1

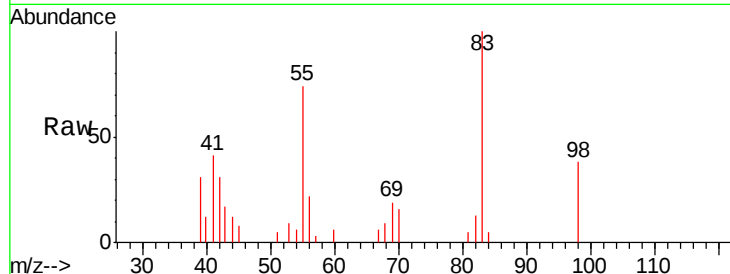




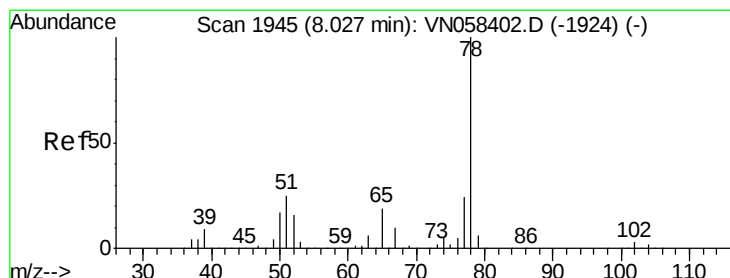
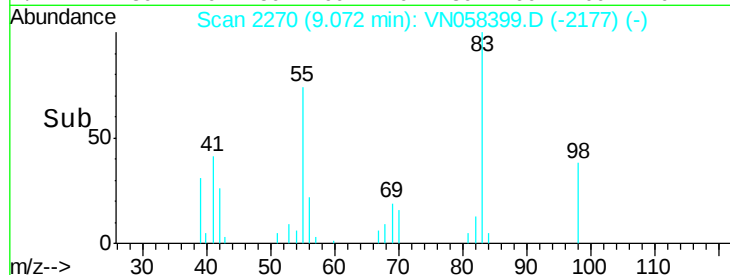
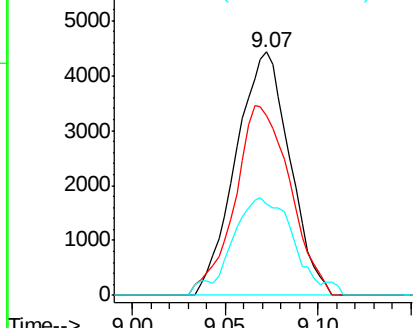
#39
Methylcyclohexane
Concen: 1.395 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 8973
Ion Ratio Lower Upper
83 100
55 73.5 61.8 92.6
98 37.6 35.4 53.0

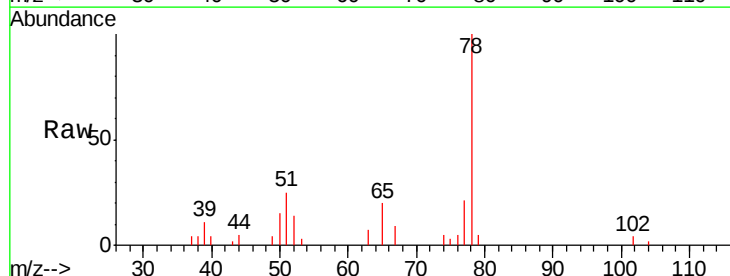


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

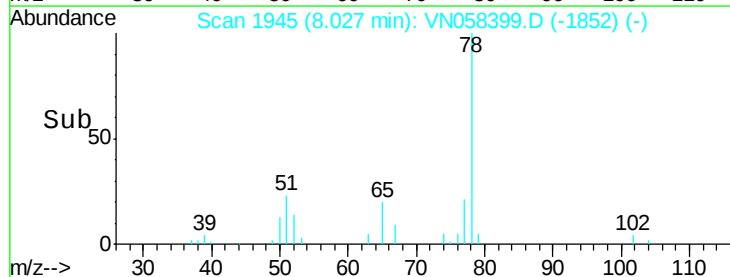
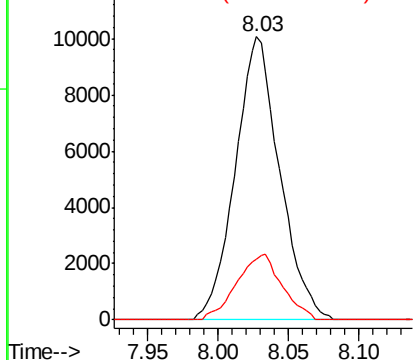


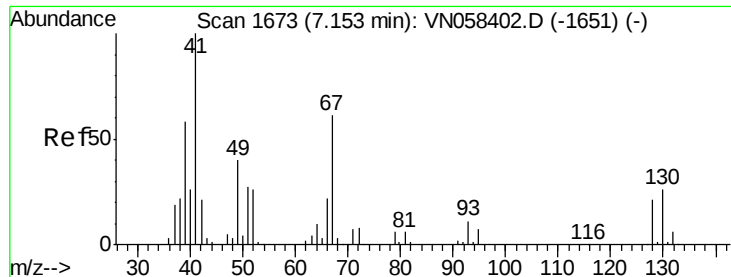
#40
Benzene
Concen: 1.243 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 78 Resp: 22208
Ion Ratio Lower Upper
78 100
77 21.4 18.9 28.3



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





#41

Methacrylonitrile

Concen: 0.988 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 2756

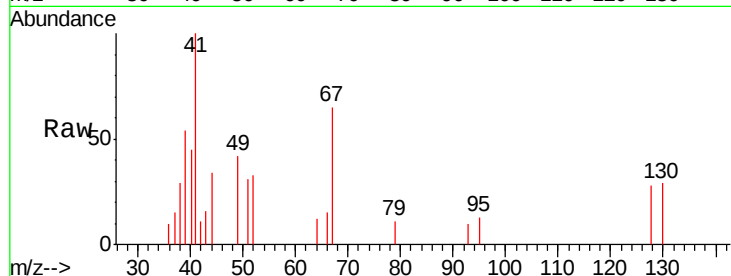
Ion Ratio Lower Upper

41 100

39 44.6 50.2 75.4#

67 79.9 70.2 105.4

52 33.5 31.4 47.0

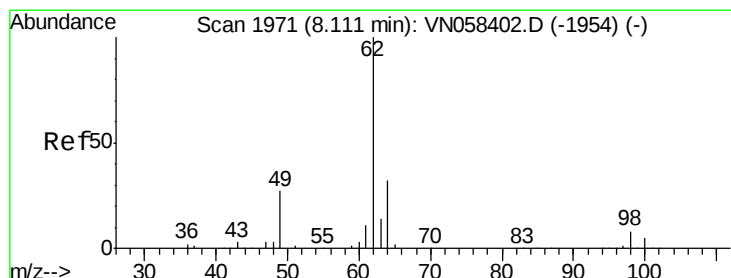
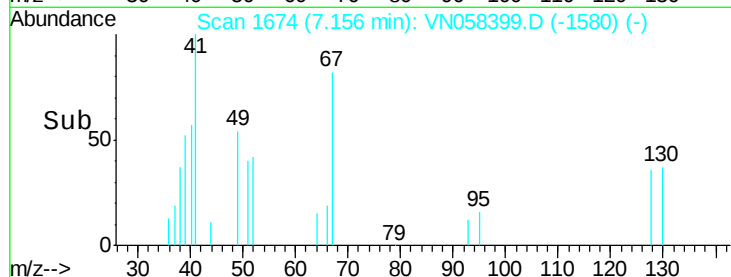
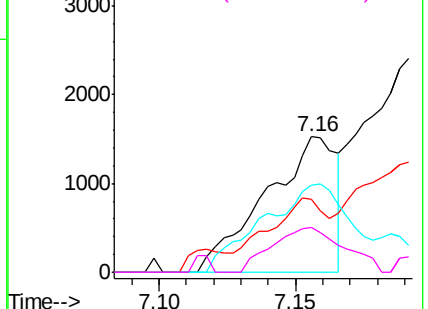


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 1.208 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058399.D

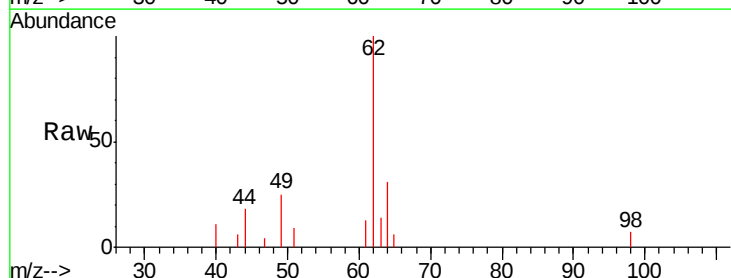
Acq: 27 Sep 2019 11:11

Tgt Ion: 62 Resp: 8882

Ion Ratio Lower Upper

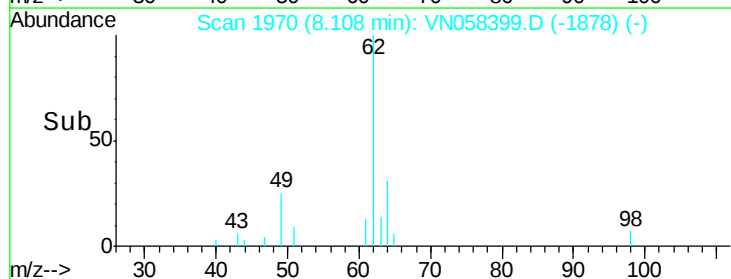
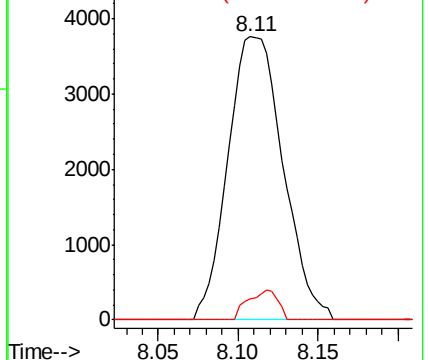
62 100

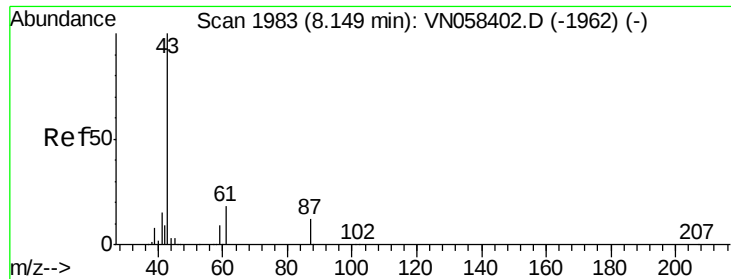
98 5.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 1.298 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

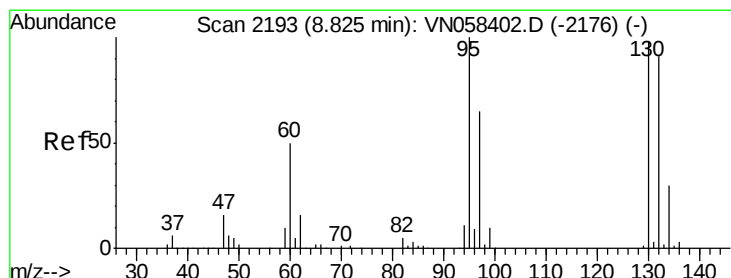
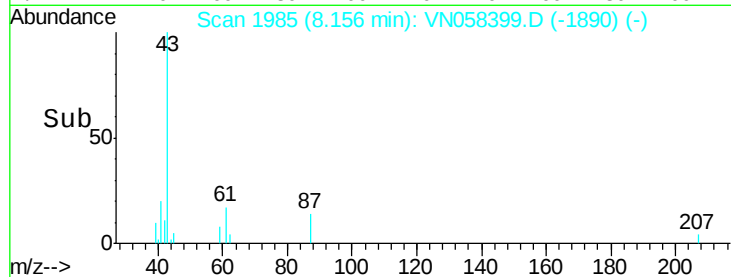
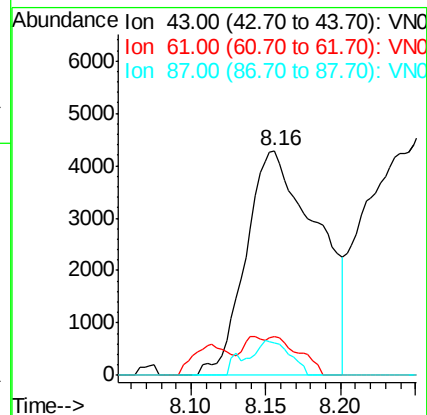
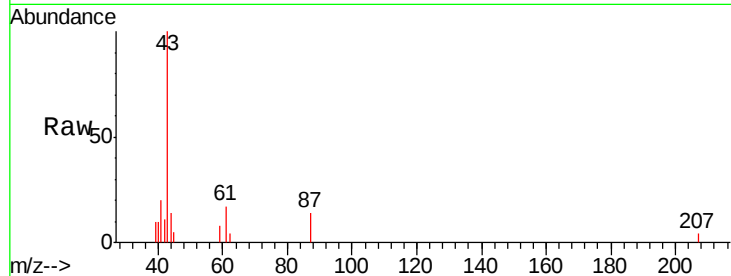
Tgt Ion: 43 Resp: 14239

Ion Ratio Lower Upper

43 100

61 2.4 14.8 22.2#

87 7.0 9.7 14.5#



#44

Trichloroethene

Concen: 1.250 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058399.D

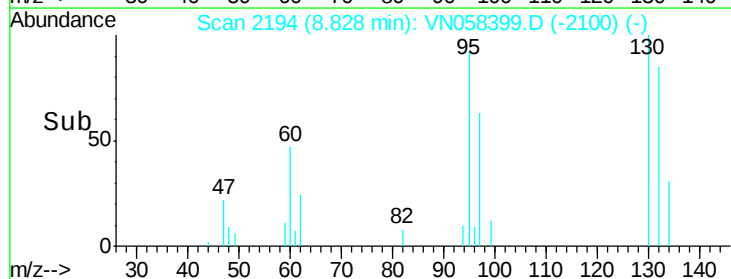
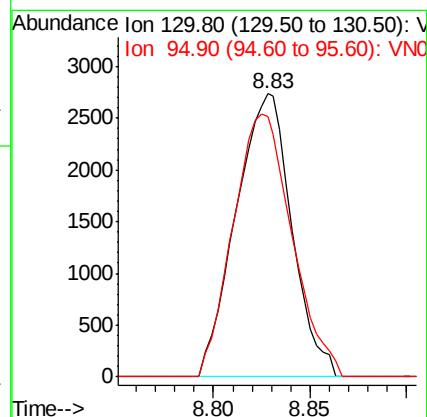
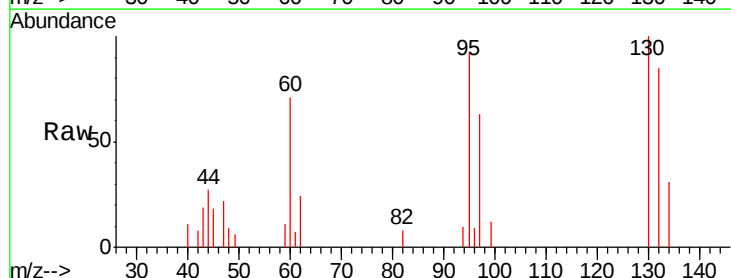
Acq: 27 Sep 2019 11:11

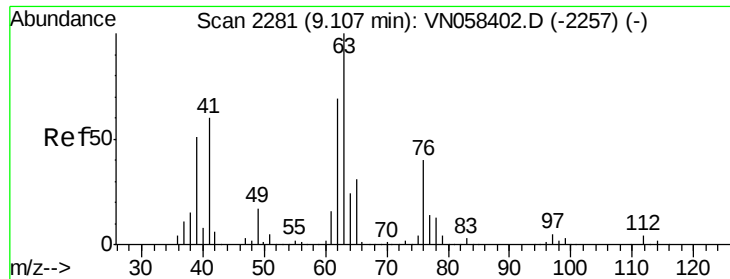
Tgt Ion: 130 Resp: 5475

Ion Ratio Lower Upper

130 100

95 92.0 0.0 204.2

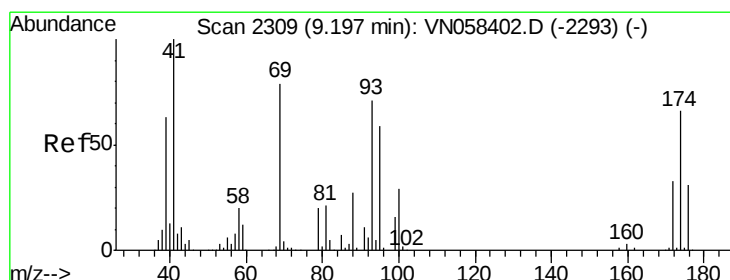
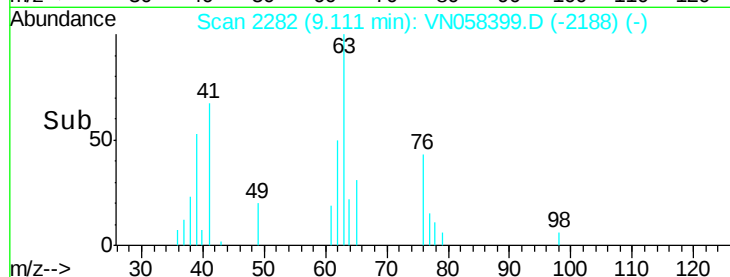
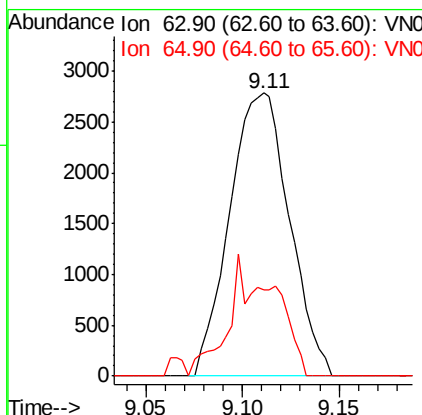
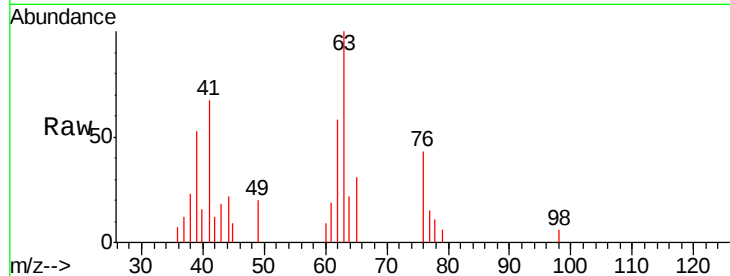




#45
 1,2-Dichloropropane
 Concen: 1.152 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

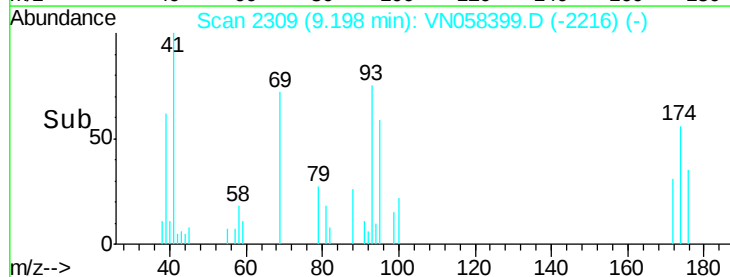
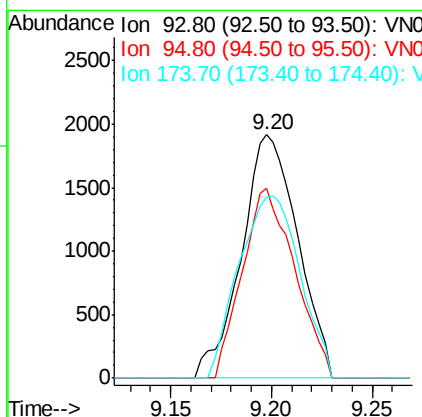
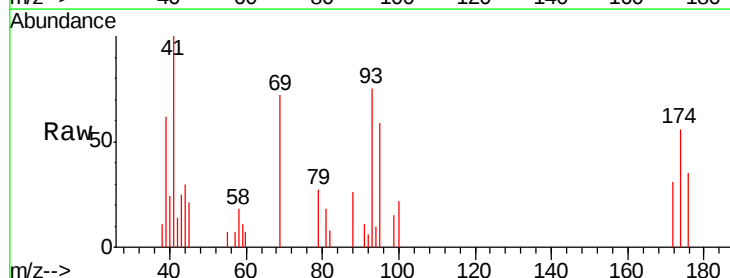
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

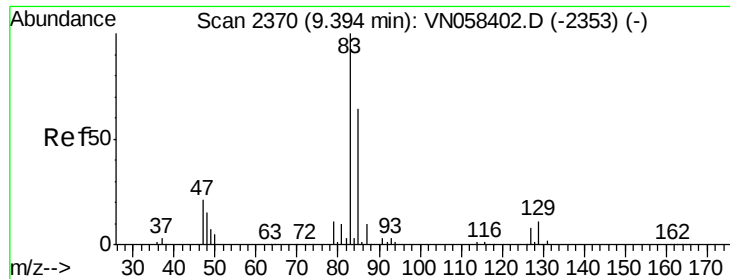
Tgt Ion: 63 Resp: 5986
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4



#46
 Dibromomethane
 Concen: 1.169 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 93 Resp: 3725
 Ion Ratio Lower Upper
 93 100
 95 72.9 67.0 100.4
 174 81.4 74.2 111.2





#47

Bromodichloromethane

Concen: 0.967 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

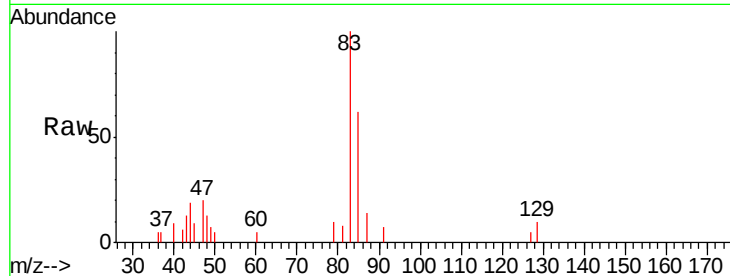
Tgt Ion: 83 Resp: 6345

Ion Ratio Lower Upper

83 100

85 62.0 51.2 76.8

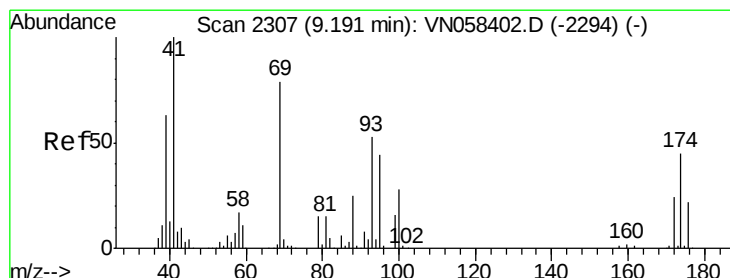
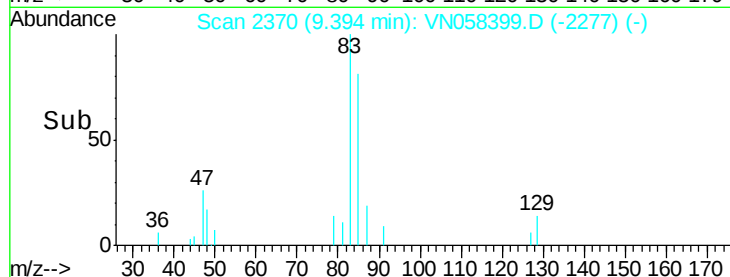
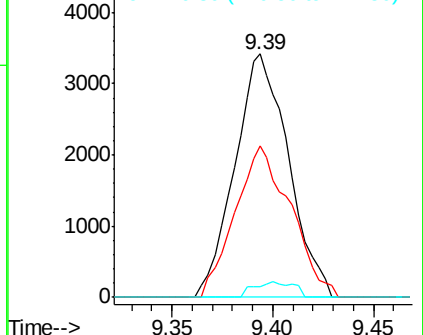
127 4.6 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 1.127 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

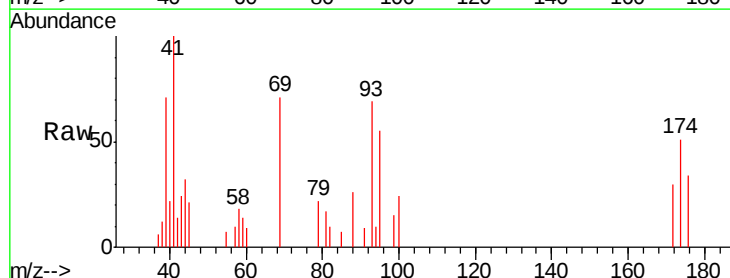
Tgt Ion: 41 Resp: 5603

Ion Ratio Lower Upper

41 100

69 71.1 64.7 97.1

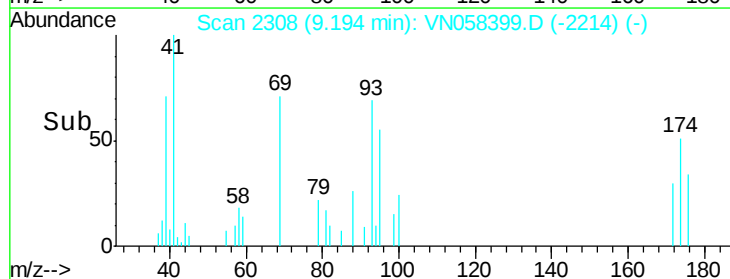
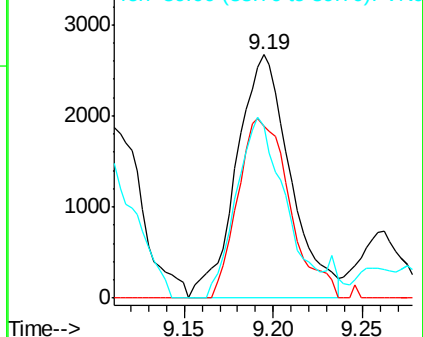
39 67.4 52.9 79.3

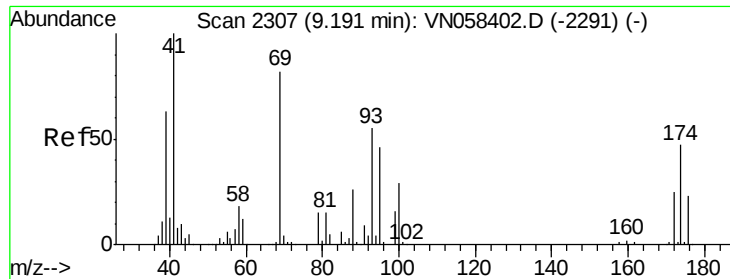


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

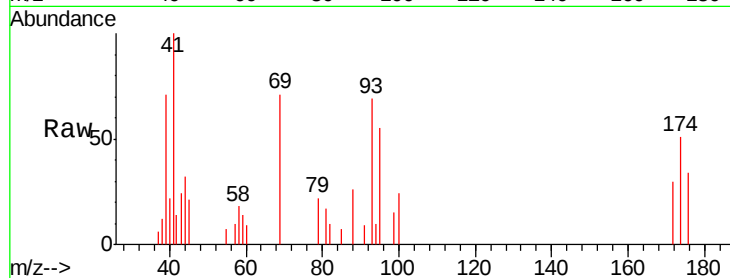




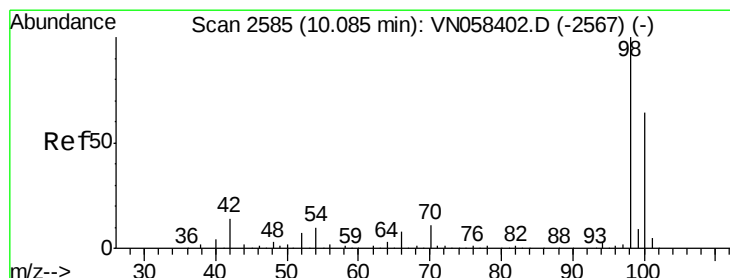
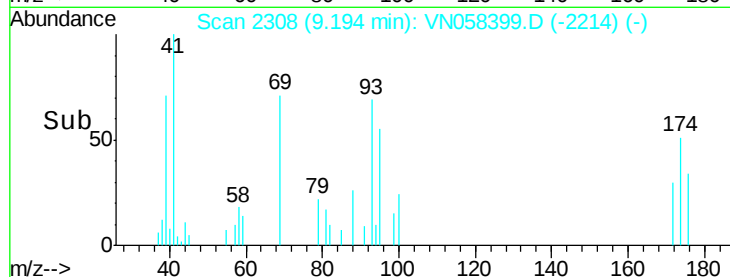
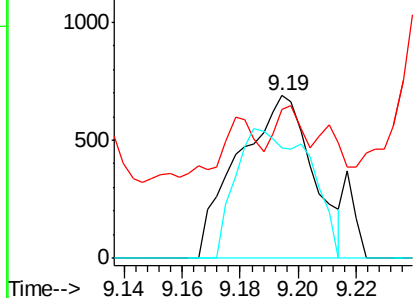
#49
 1,4-Dioxane
 Concen: 15.550 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 88 Resp: 1227
 Ion Ratio Lower Upper
 88 100
 43 21.6 31.1 46.7#
 58 78.3 58.1 87.1

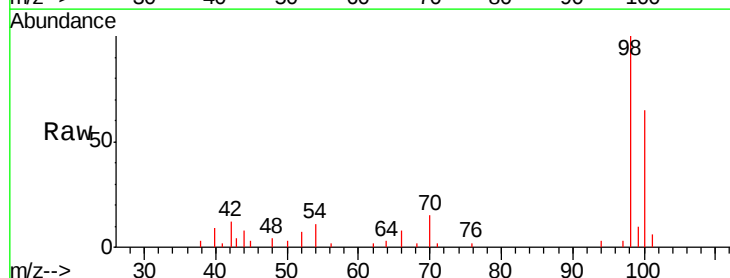


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

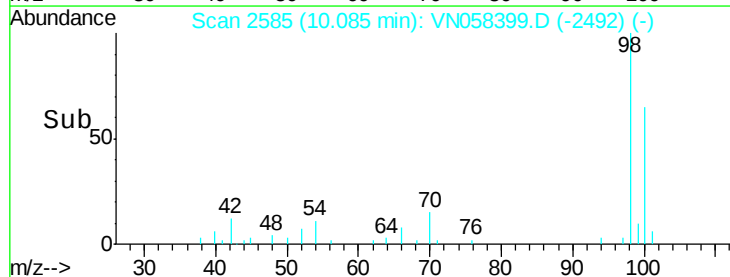
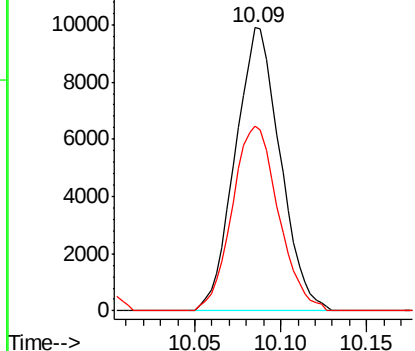


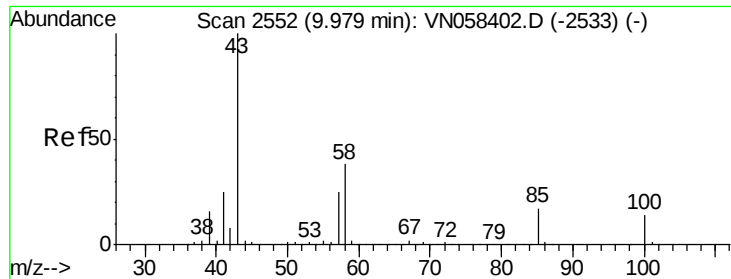
#50
 Toluene-d8
 Concen: 0.987 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 98 Resp: 17984
 Ion Ratio Lower Upper
 98 100
 100 67.0 51.0 76.6



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

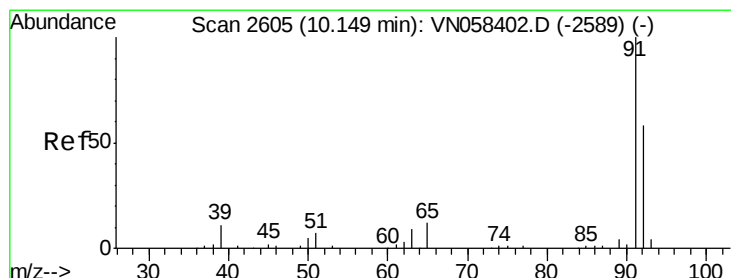
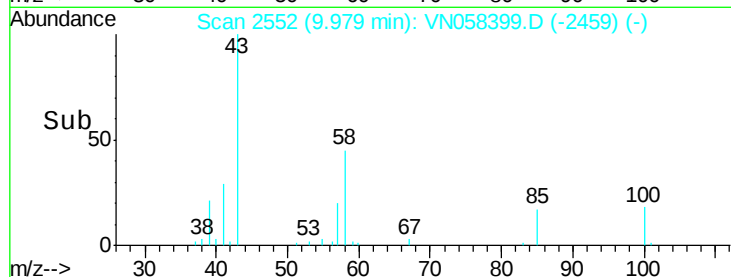
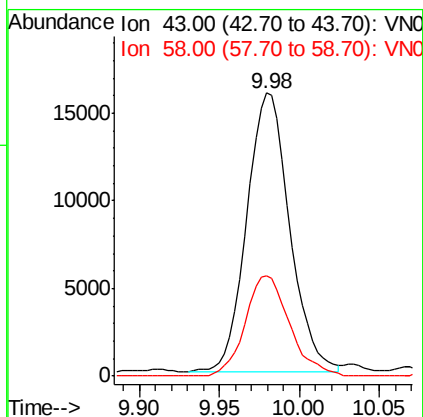
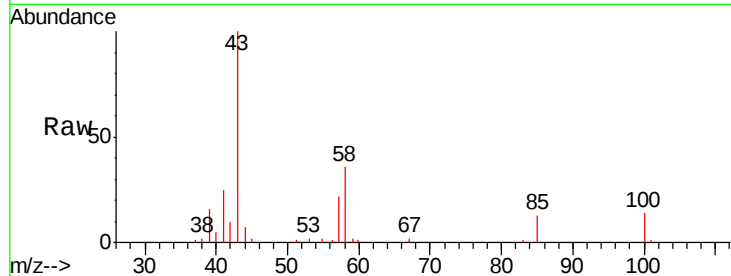




#51
4-Methyl-2-Pentanone
Concen: 5.080 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

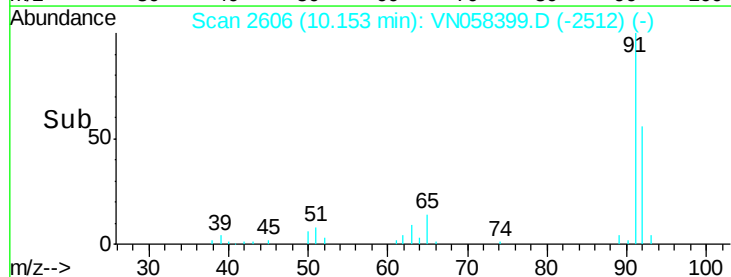
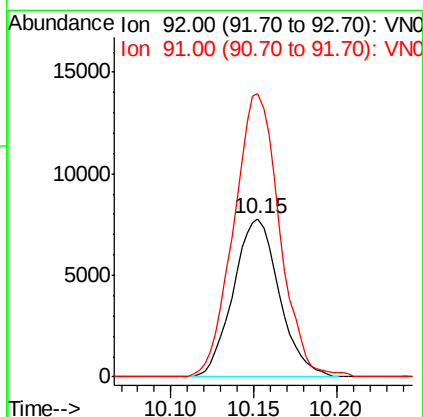
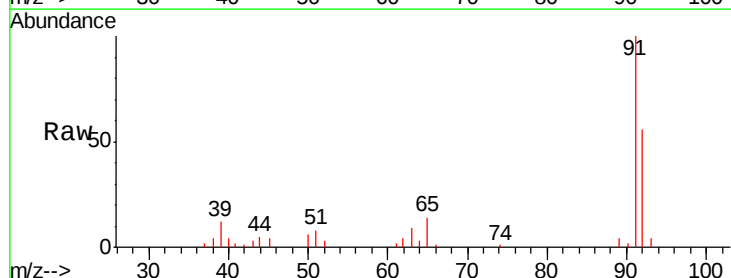
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

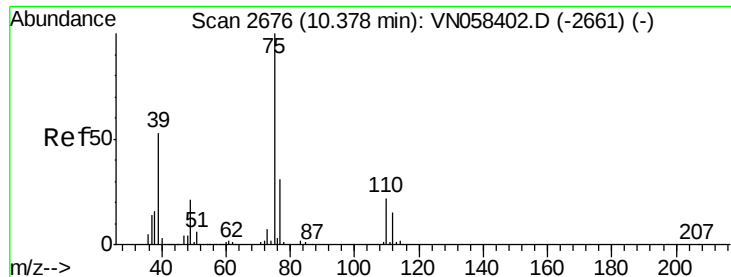
Tgt Ion: 43 Resp: 29268
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2



#52
Toluene
Concen: 1.351 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 92 Resp: 15011
Ion Ratio Lower Upper
92 100
91 178.3 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 0.940 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

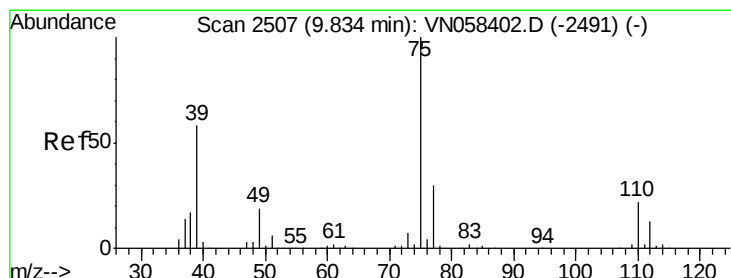
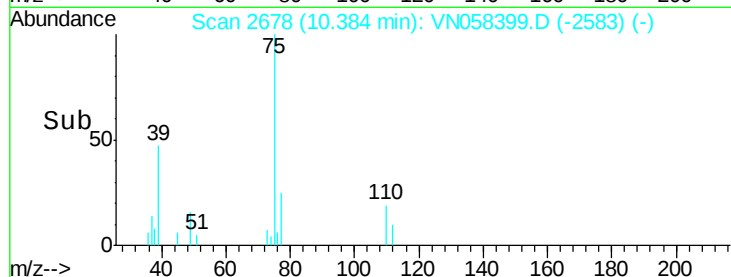
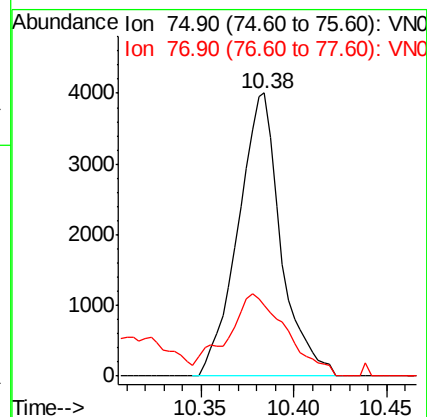
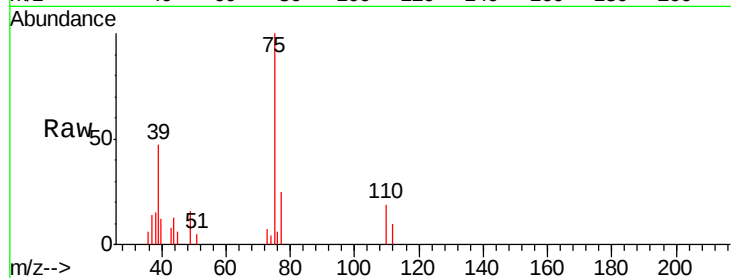
VSTDIC001

Tgt Ion: 75 Resp: 6407

Ion Ratio Lower Upper

75 100

77 24.9 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 0.923 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

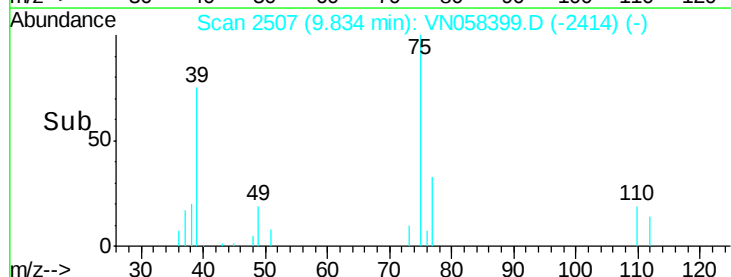
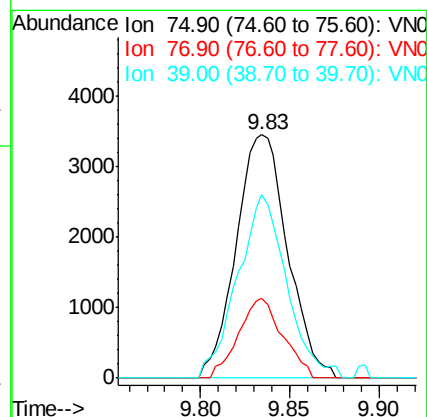
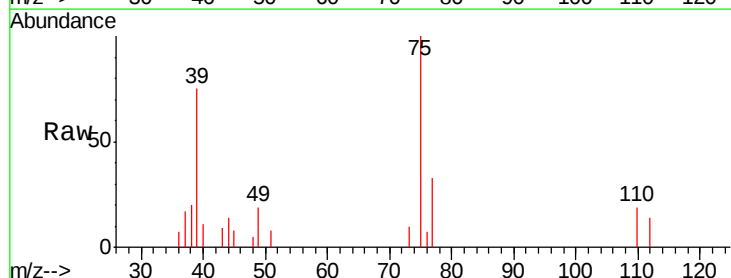
Tgt Ion: 75 Resp: 6960

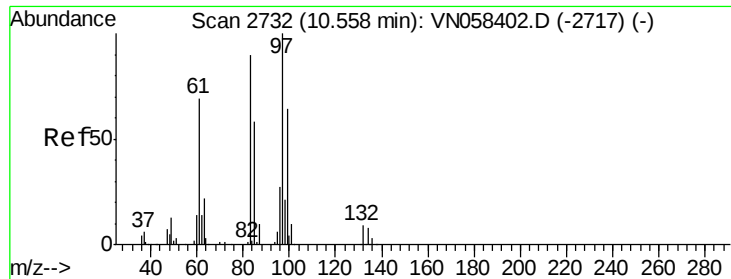
Ion Ratio Lower Upper

75 100

77 32.7 24.2 36.4

39 75.2 46.4 69.6#

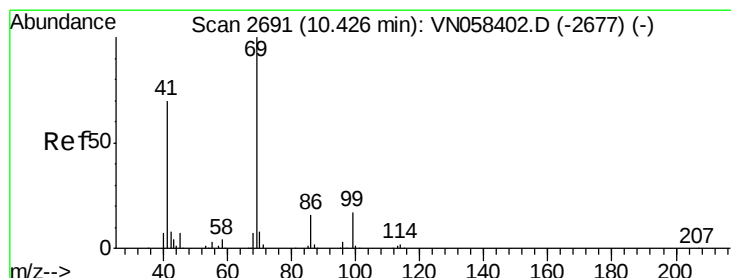
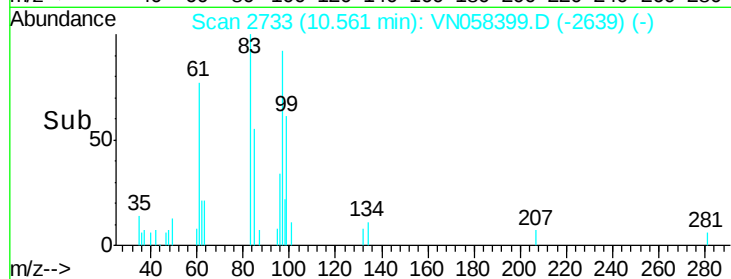
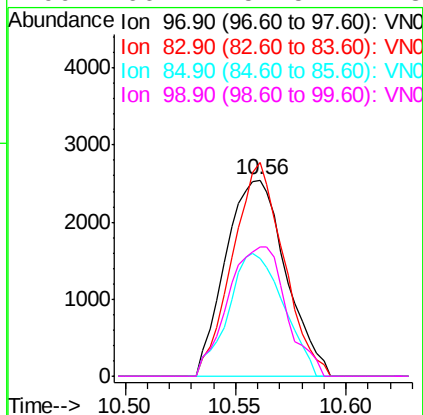
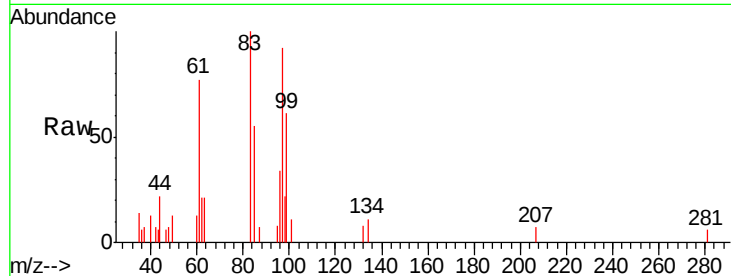




#55
 1,1,2-Trichloroethane
 Concen: 1.011 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

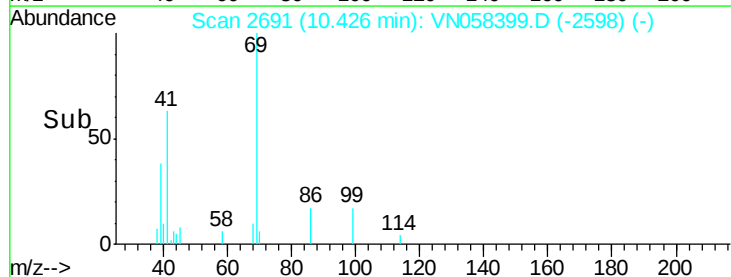
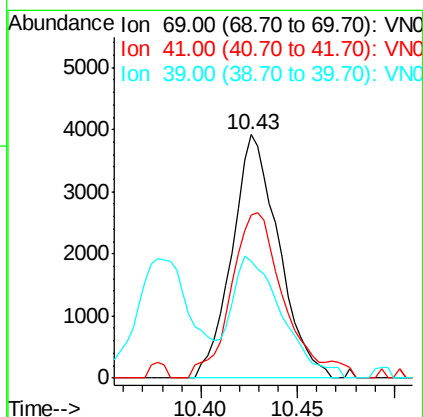
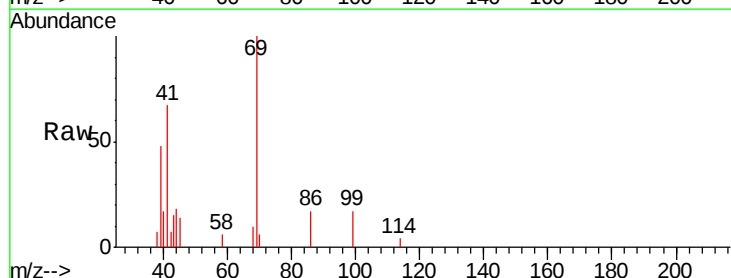
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

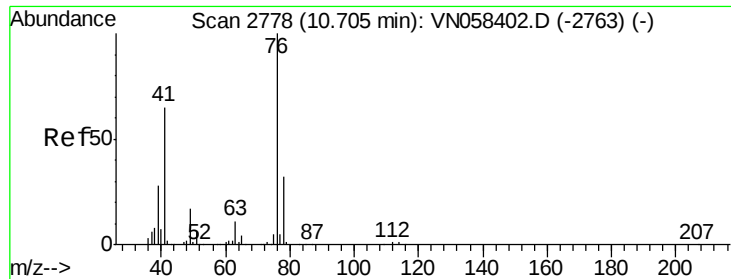
Tgt Ion: 97 Resp: 4821
 Ion Ratio Lower Upper
 97 100
 83 108.8 71.8 107.6#
 85 60.2 46.6 69.8
 99 66.2 51.5 77.3



#56
 Ethyl methacrylate
 Concen: 0.950 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 69 Resp: 6581
 Ion Ratio Lower Upper
 69 100
 41 77.3 56.3 84.5
 39 54.9 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 1.017 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

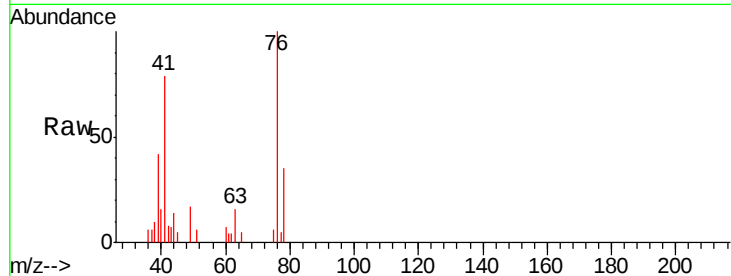
VSTDIC001

Tgt Ion: 76 Resp: 8402

Ion Ratio Lower Upper

76 100

78 34.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

4000

3000

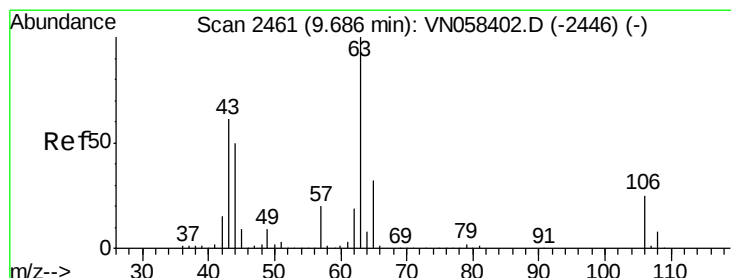
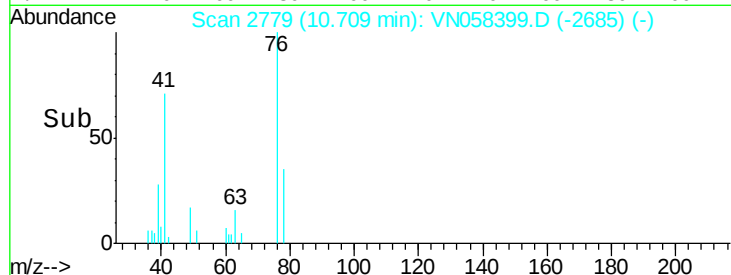
2000

1000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 3.893 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058399.D

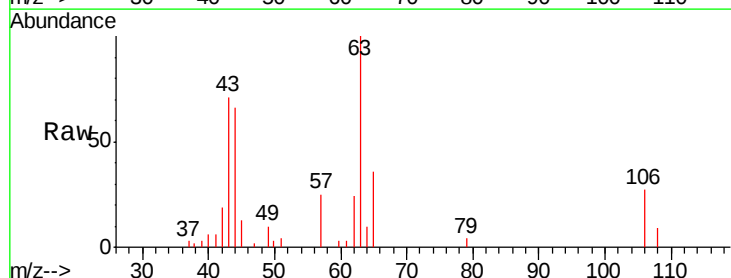
Acq: 27 Sep 2019 11:11

Tgt Ion: 63 Resp: 12341

Ion Ratio Lower Upper

63 100

106 26.7 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

6000

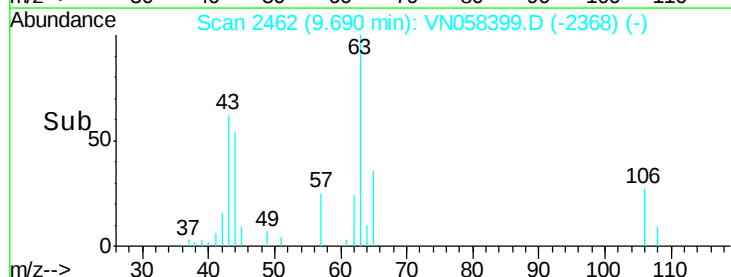
4000

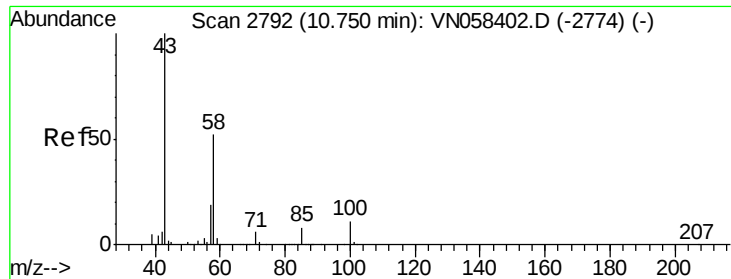
2000

0

Time-->

9.65 9.70 9.75

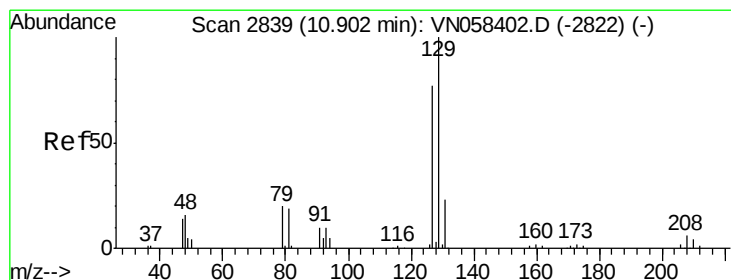
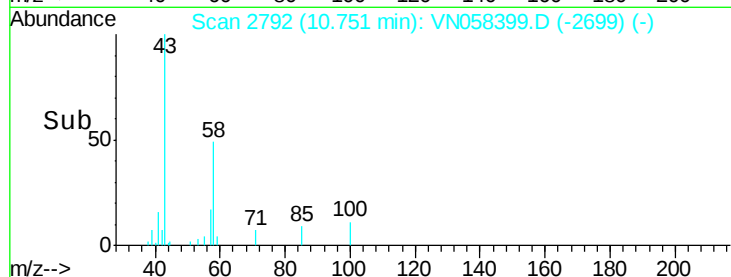
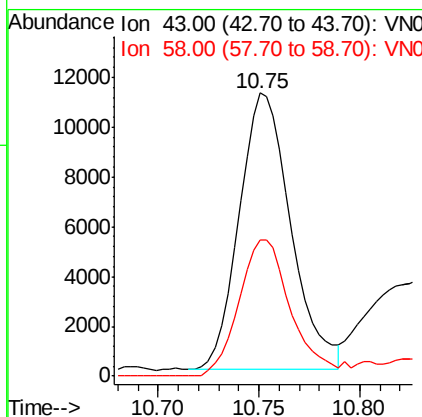
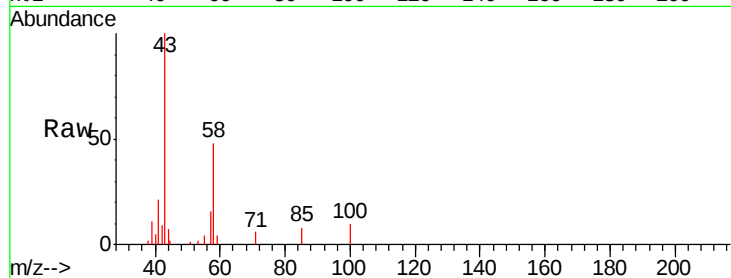




#59
2-Hexanone
Concen: 4.658 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

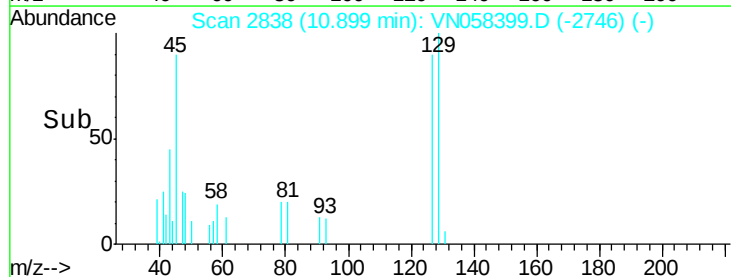
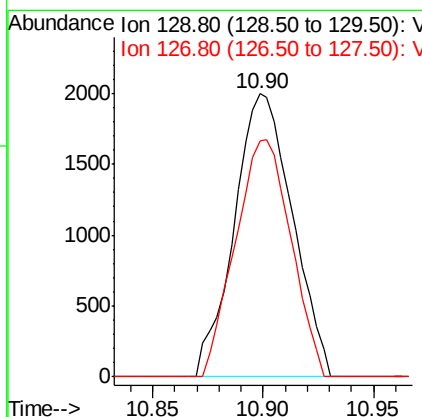
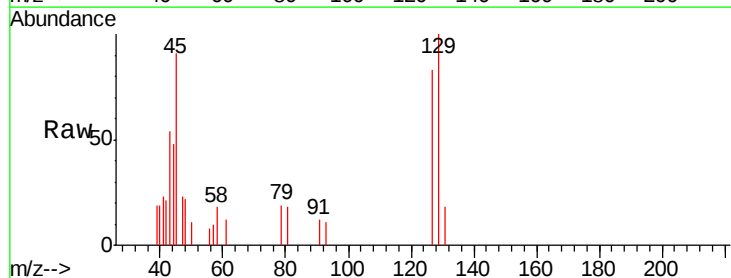
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

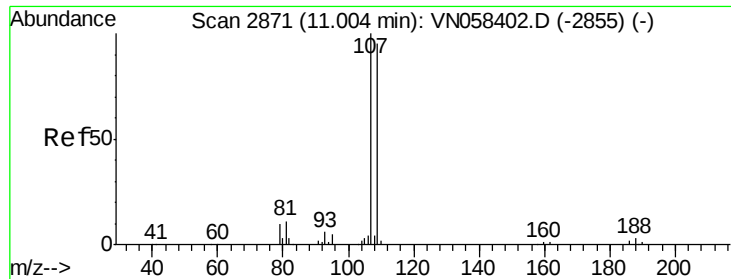
Tgt Ion: 43 Resp: 19884
Ion Ratio Lower Upper
43 100
58 49.2 25.8 77.3



#60
Dibromochloromethane
Concen: 0.797 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 129 Resp: 3655
Ion Ratio Lower Upper
129 100
127 79.8 38.3 114.8

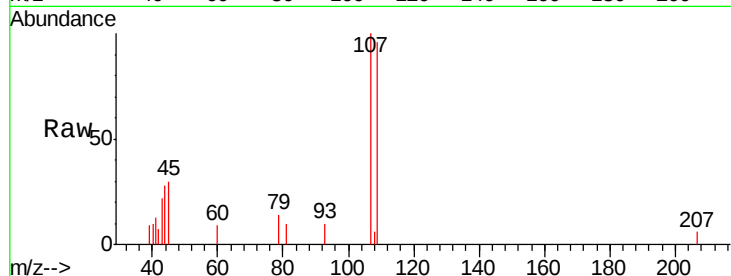




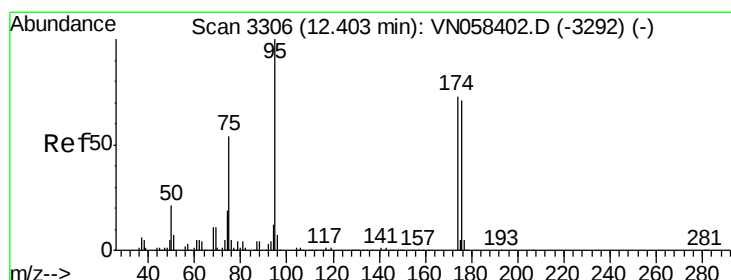
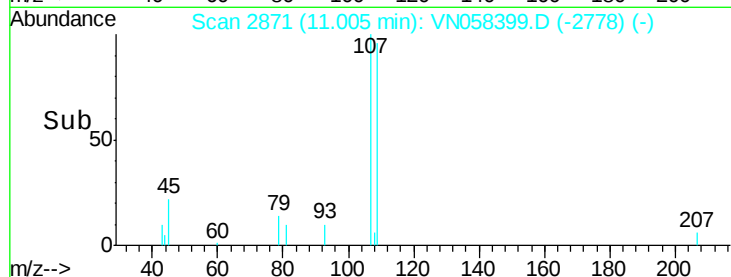
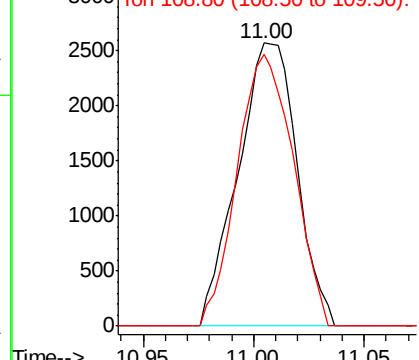
#61
 1,2-Dibromoethane
 Concen: 1.056 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 107 Resp: 4761
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.3 112.9

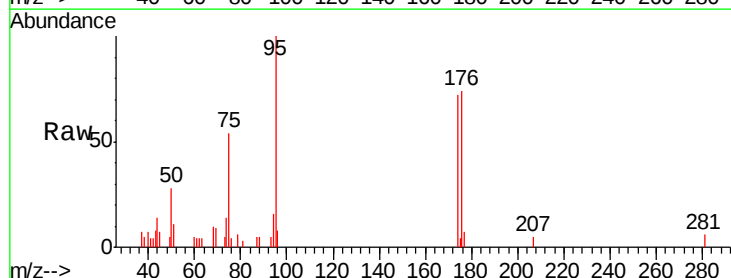


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

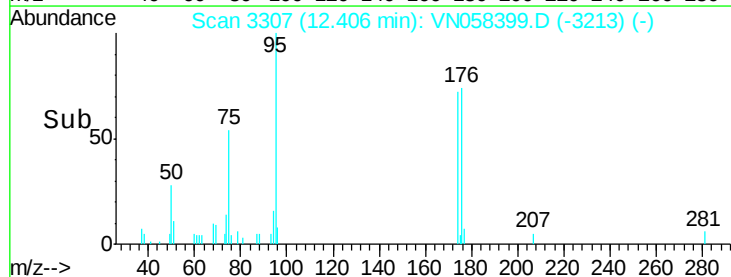
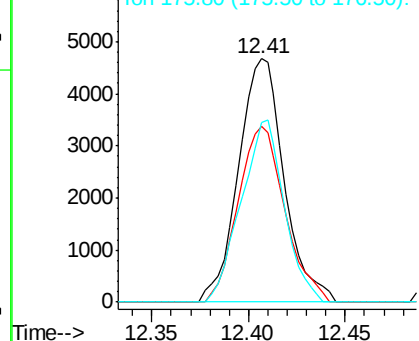


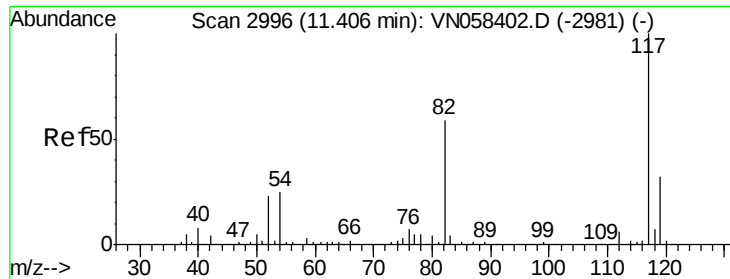
#62
 4-Bromofluorobenzene
 Concen: 1.135 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 95 Resp: 7660
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 150.6
 176 70.8 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

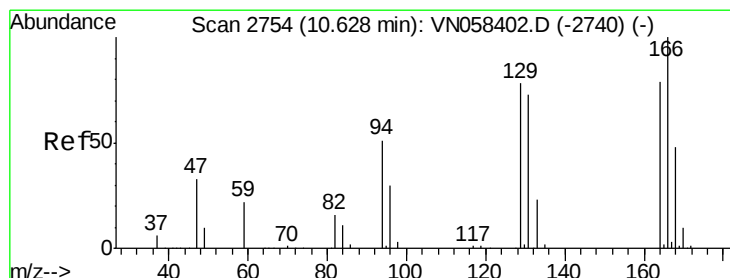
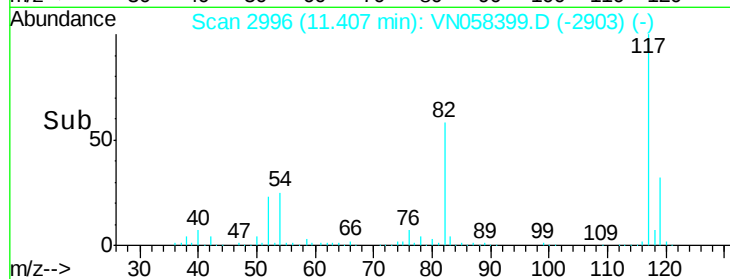
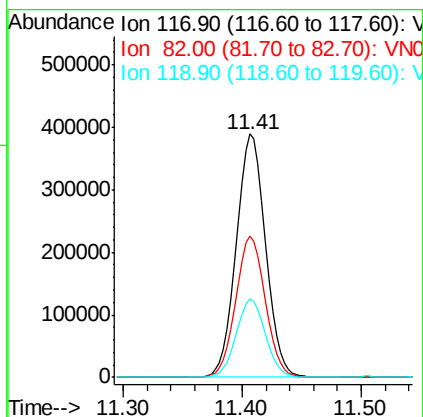
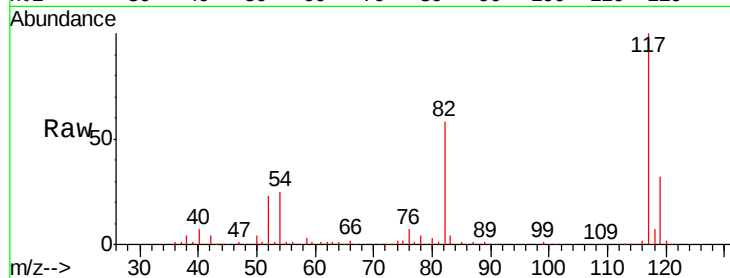




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

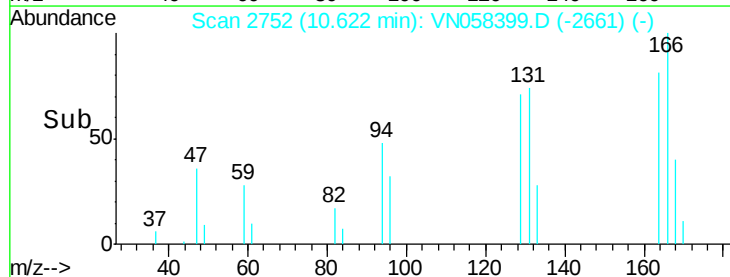
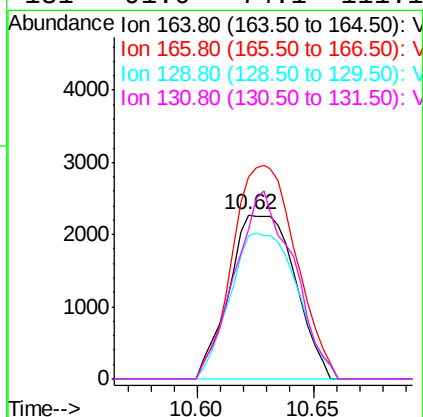
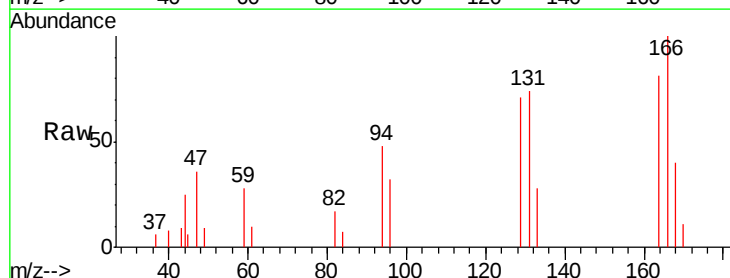
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

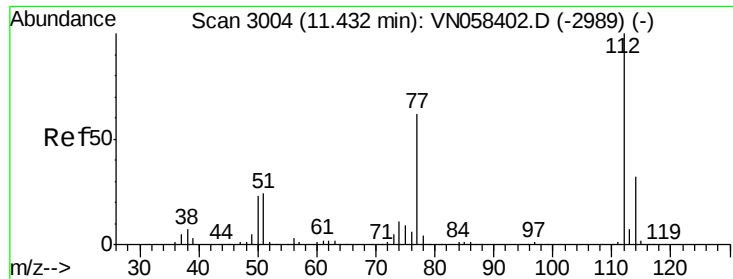
Tgt Ion:117 Resp: 664390
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.0
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 1.297 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion:164 Resp: 4460
Ion Ratio Lower Upper
164 100
166 123.1 101.1 151.7
129 87.0 79.2 118.8
131 91.0 74.1 111.1

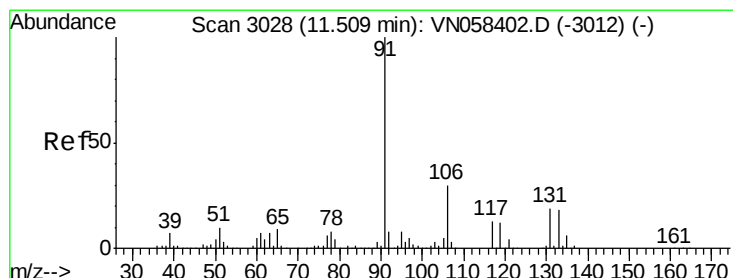
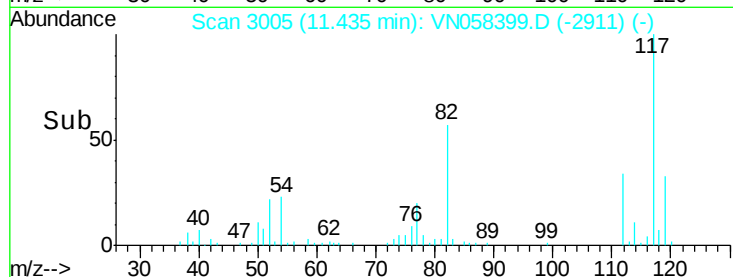
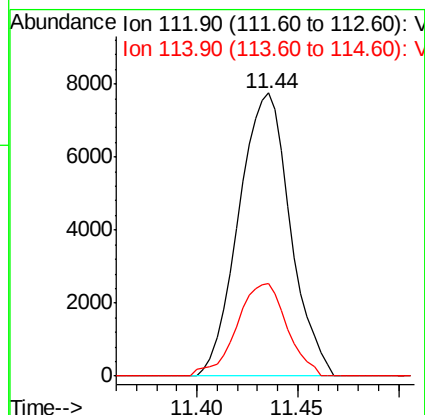
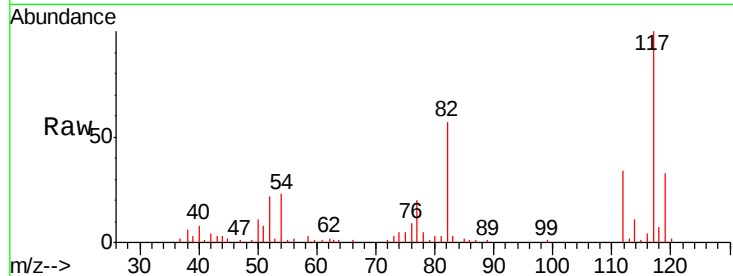




#65
Chlorobenzene
Concen: 1.151 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

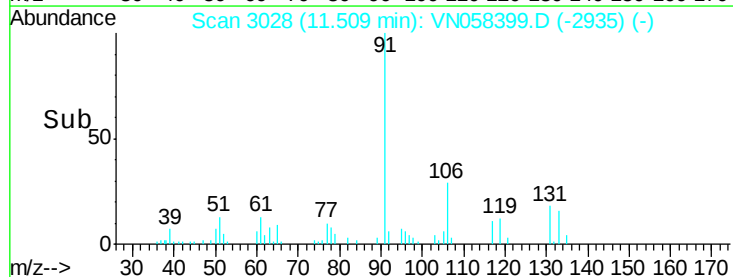
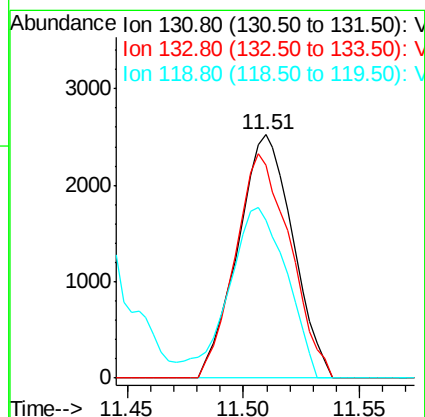
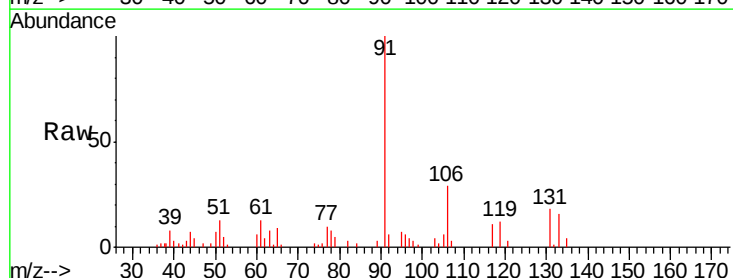
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

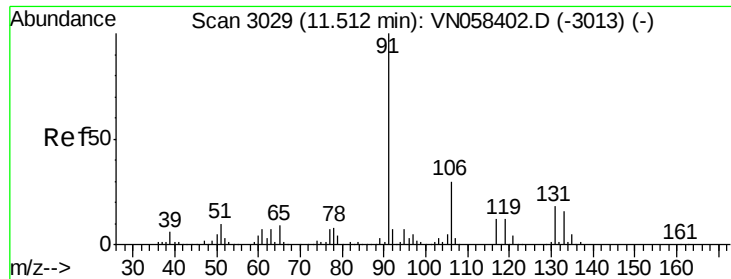
Tgt Ion:112 Resp: 13864
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 0.968 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion:131 Resp: 4163
Ion Ratio Lower Upper
131 100
133 91.7 47.8 143.3
119 0.0 33.0 99.0#

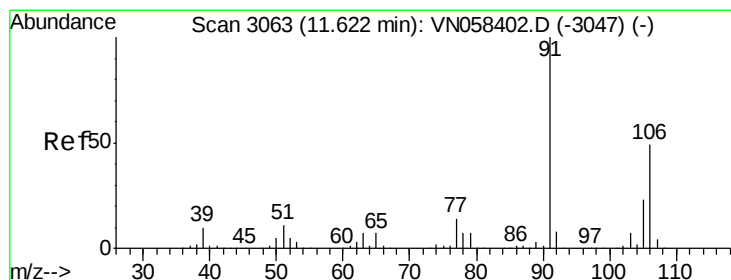
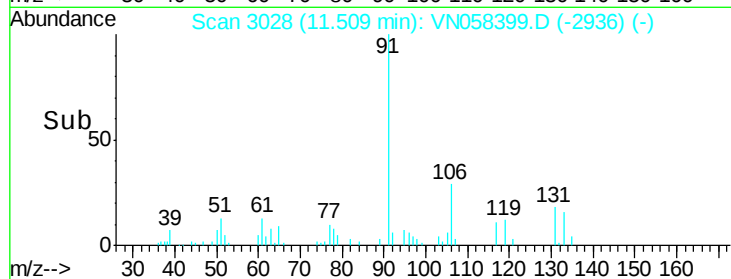
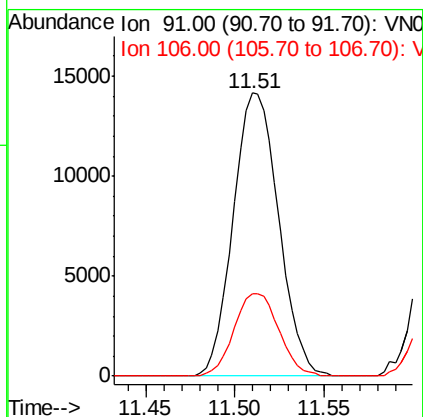
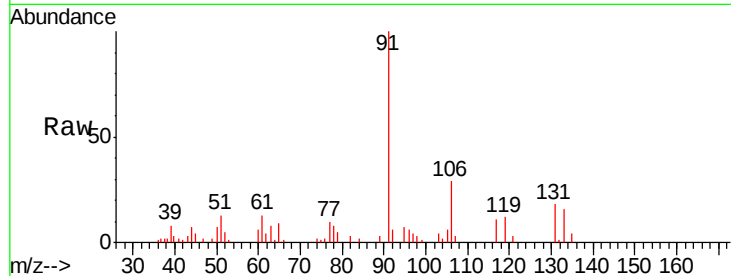




#67
Ethyl Benzene
Concen: 1.210 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

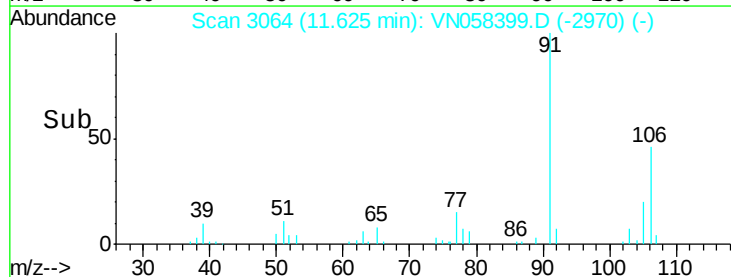
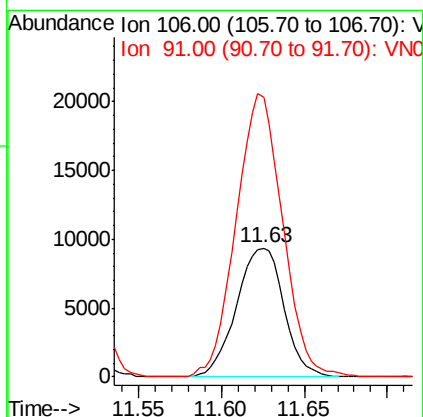
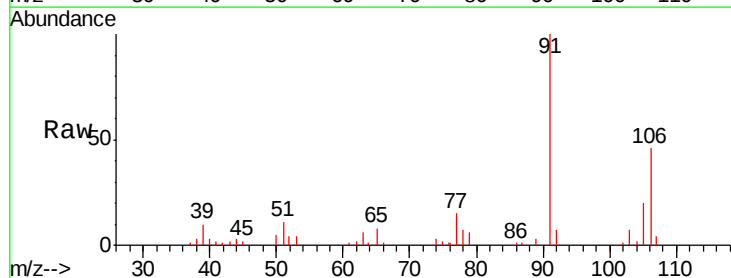
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

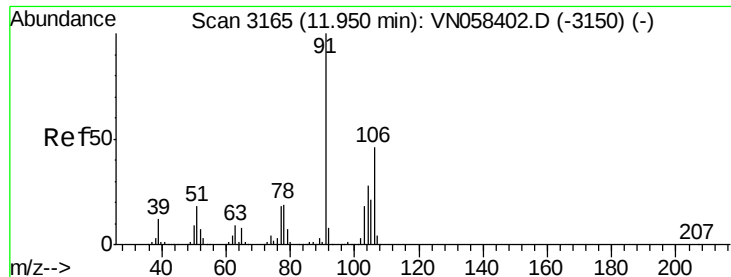
Tgt Ion: 91 Resp: 25168
Ion Ratio Lower Upper
91 100
106 28.9 24.3 36.5



#68
m/p-Xylenes
Concen: 2.373 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 106 Resp: 18620
Ion Ratio Lower Upper
106 100
91 215.4 165.0 247.4

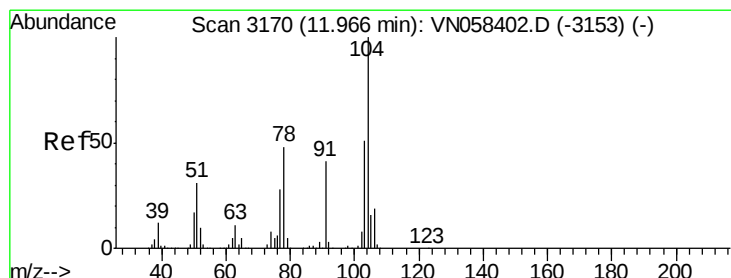
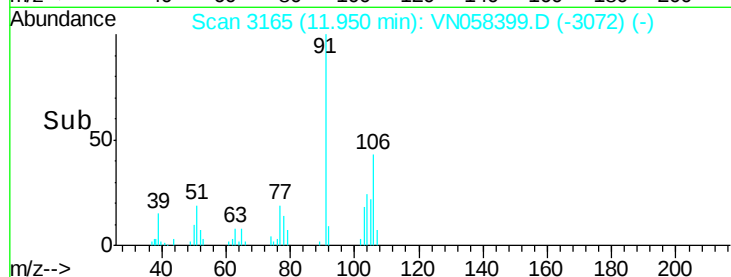
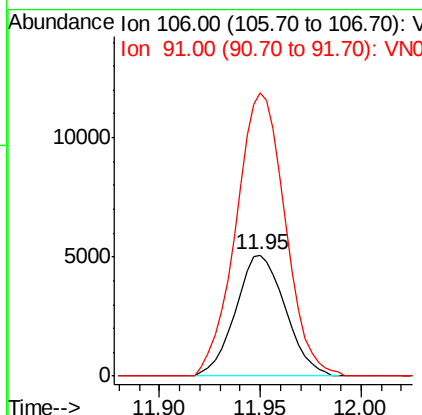
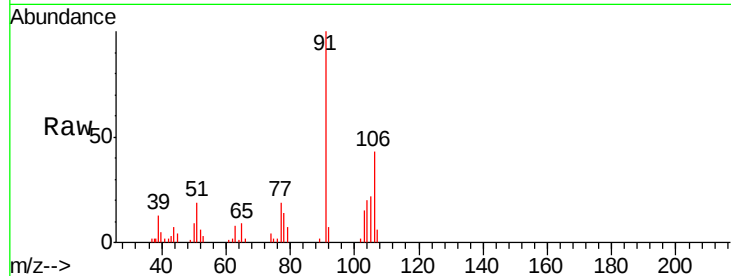




#69
o-Xylene
Concen: 1.141 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

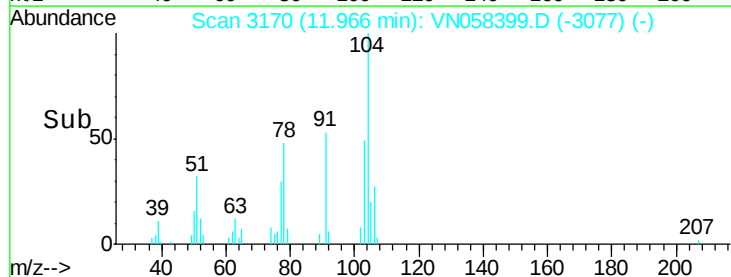
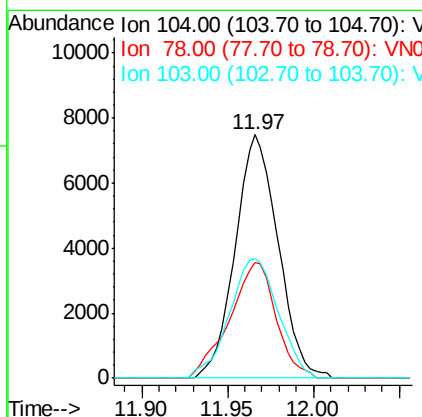
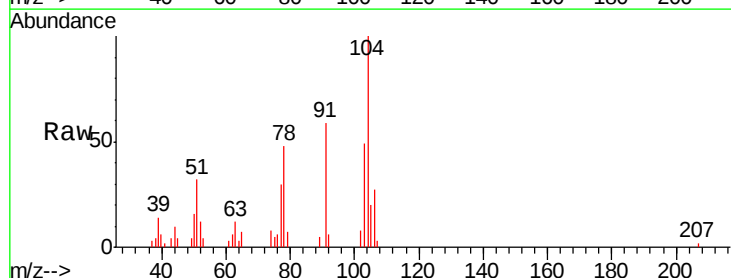
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

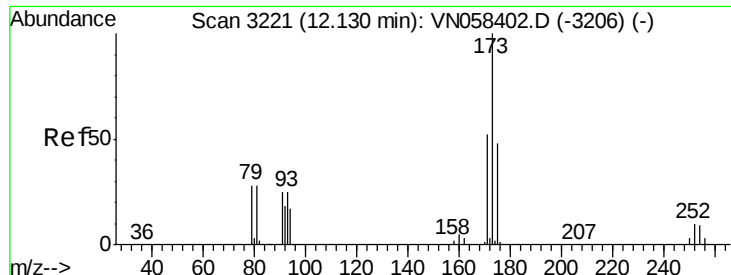
Tgt Ion:106 Resp: 8755
Ion Ratio Lower Upper
106 100
91 231.4 109.1 327.4



#70
Styrene
Concen: 0.990 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion:104 Resp: 12947
Ion Ratio Lower Upper
104 100
78 51.3 42.8 64.2
103 55.7 43.7 65.5





#71

Bromoform

Concen: 0.784 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

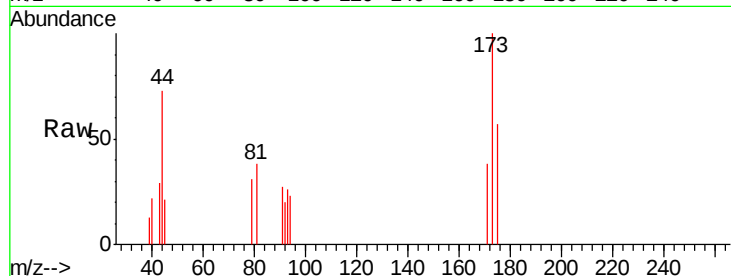
Tgt Ion:173 Resp: 2122

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

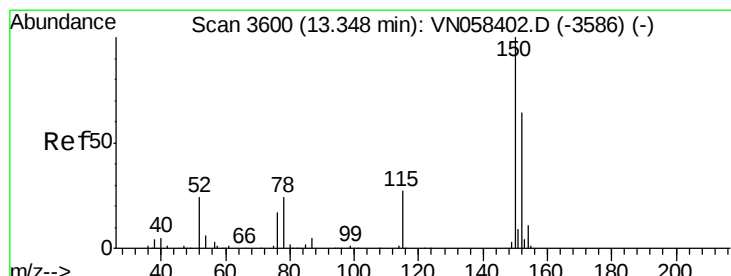
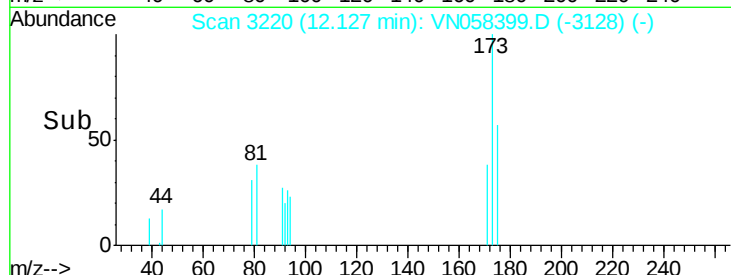
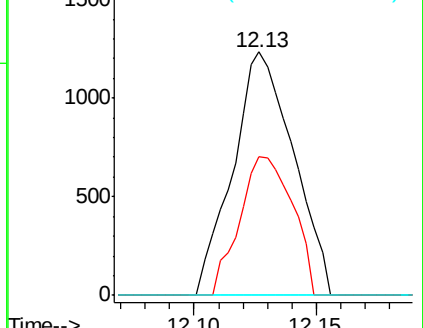
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

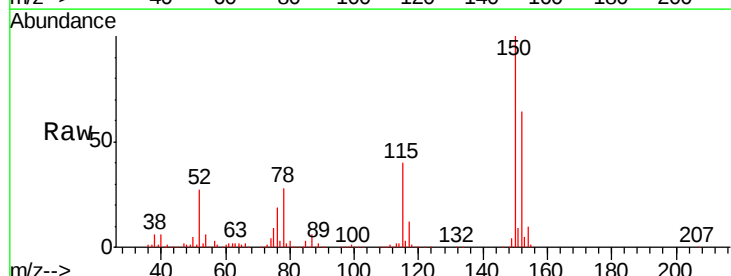
Tgt Ion:152 Resp: 281267

Ion Ratio Lower Upper

152 100

115 61.0 30.0 90.0

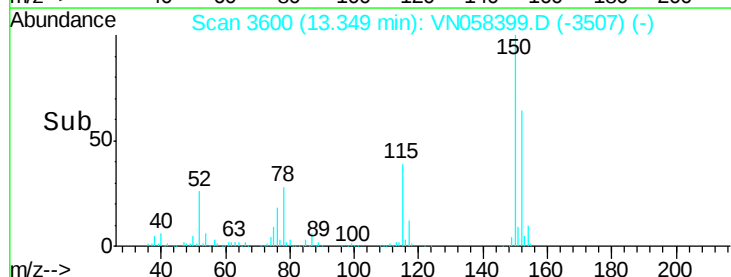
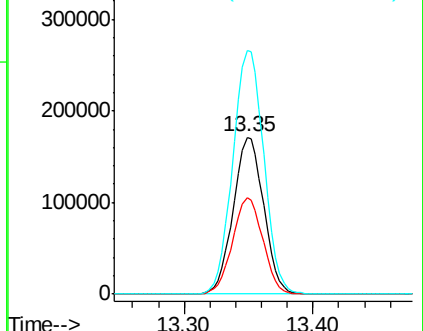
150 157.8 0.0 348.2

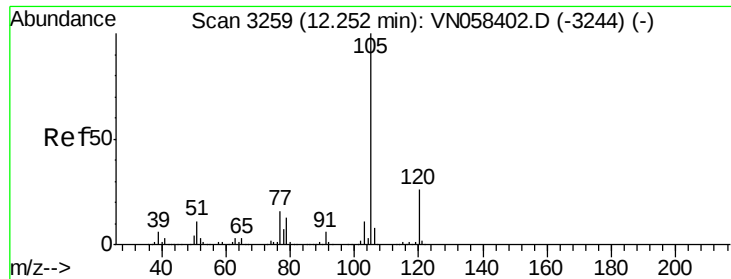


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.190 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

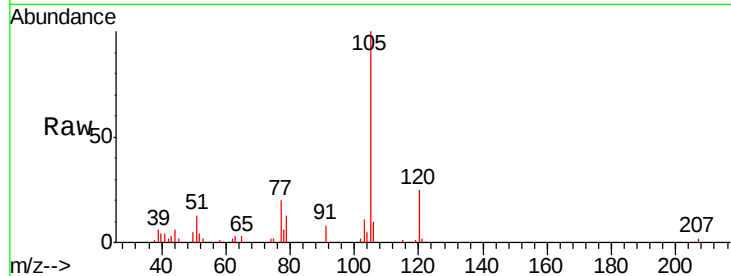
VSTDIC001

Tgt Ion: 105 Resp: 21668

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

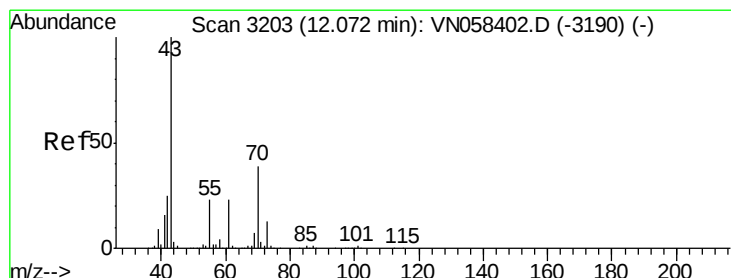
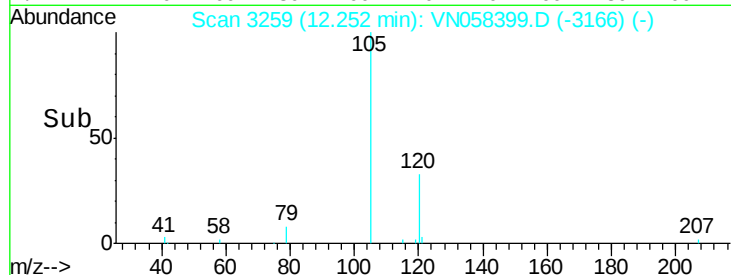
12.25

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 0.998 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion: 43 Resp: 7510

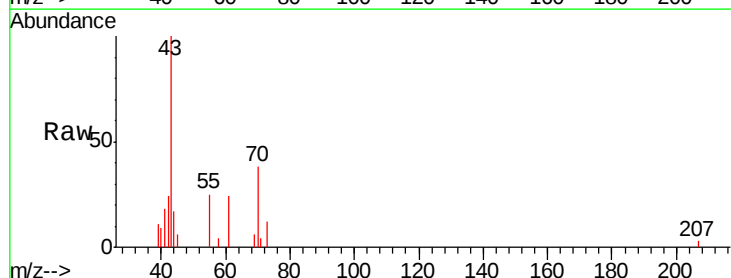
Ion Ratio Lower Upper

43 100

70 39.5 31.4 47.2

55 27.5 18.2 27.4

61 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

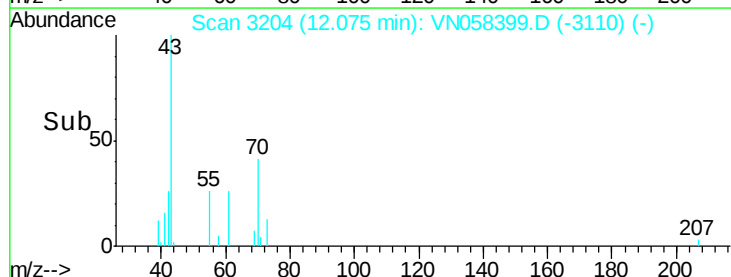
6000

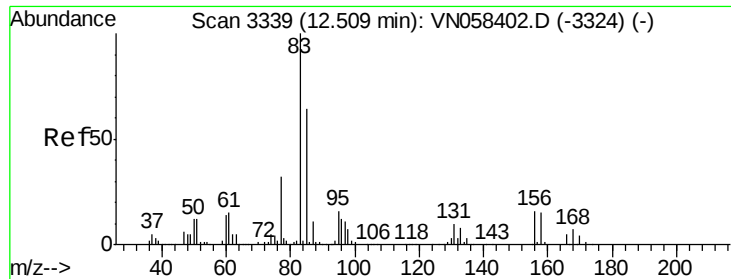
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.111 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

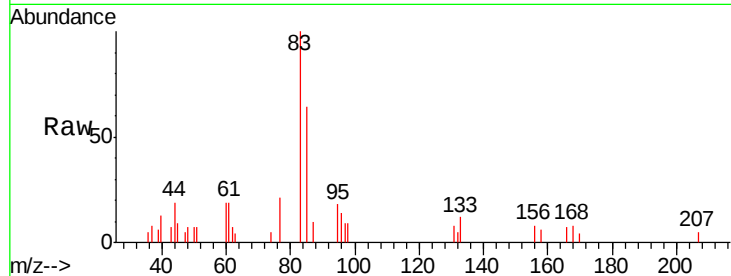
Tgt Ion: 83 Resp: 6597

Ion Ratio Lower Upper

83 100

131 3.8 4.9 14.7#

85 57.1 32.0 96.0

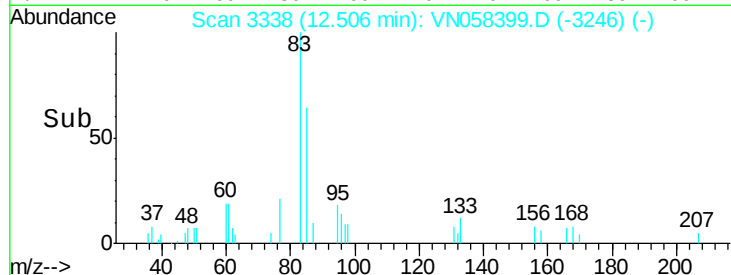


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

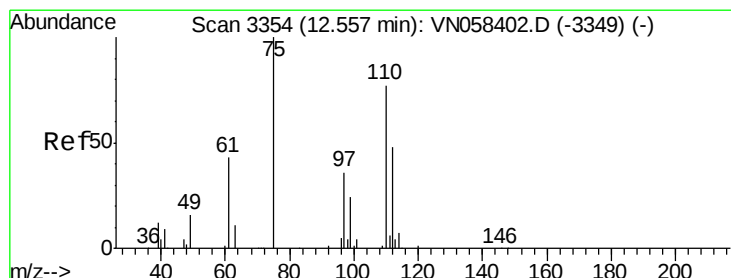
Ion 84.90 (84.60 to 85.60): VN0

Time--> 12.45 12.50 12.55



12.51

Time--> 12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 1.470 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058399.D

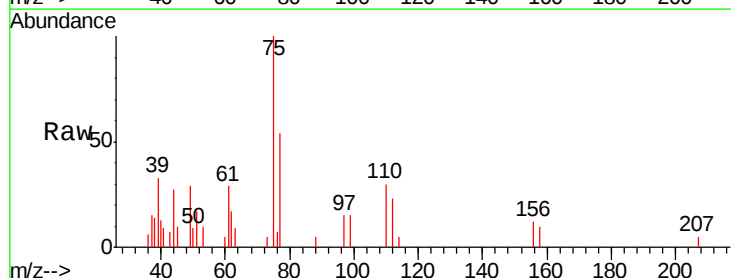
Acq: 27 Sep 2019 11:11

Tgt Ion: 75 Resp: 7505

Ion Ratio Lower Upper

75 100

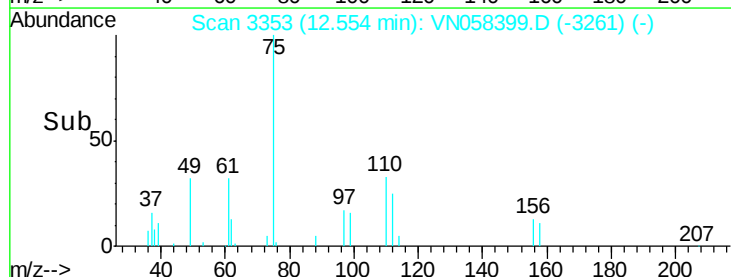
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

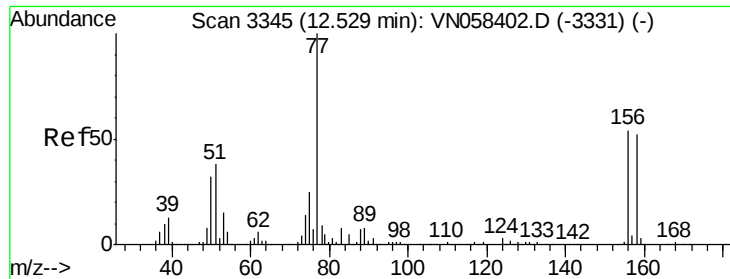
Ion 77.00 (76.70 to 77.70): VN0

Time--> 12.50 12.55 12.60



12.55

Time--> 12.50 12.55 12.60



#77

Bromobenzene

Concen: 1.162 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

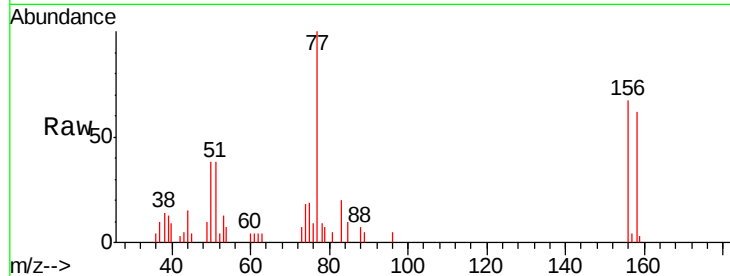
Tgt Ion:156 Resp: 5274

Ion Ratio Lower Upper

156 100

77 211.9 110.0 330.0

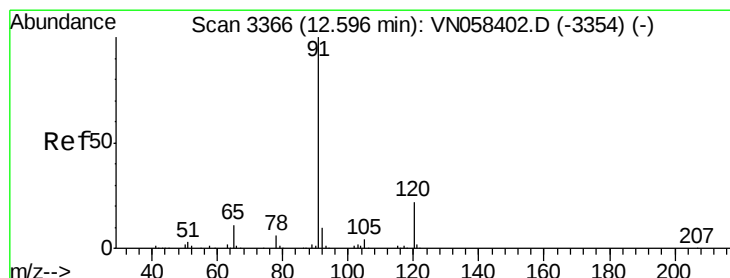
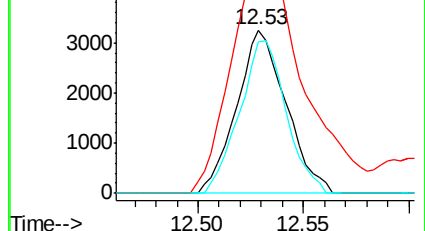
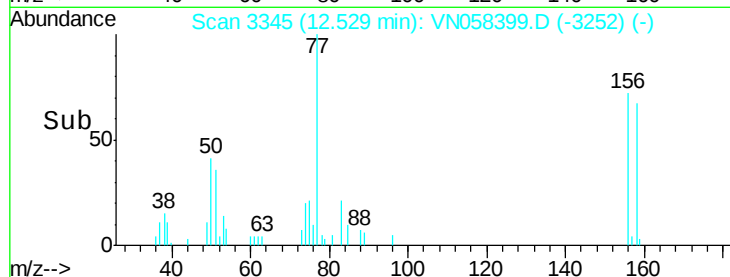
158 88.7 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.142 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058399.D

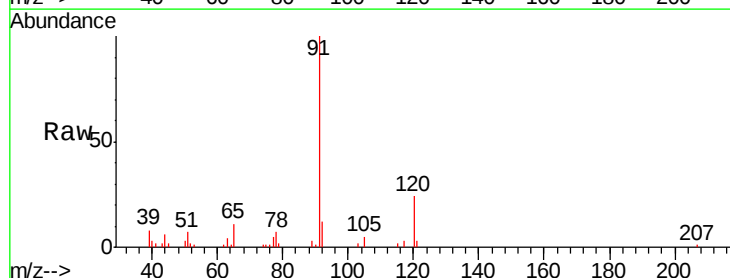
Acq: 27 Sep 2019 11:11

Tgt Ion: 91 Resp: 23646

Ion Ratio Lower Upper

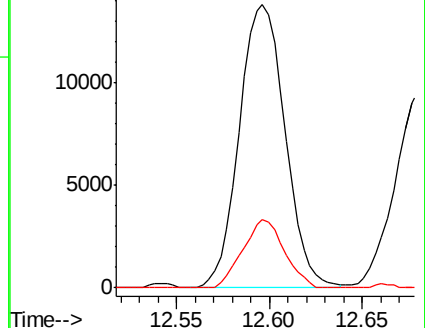
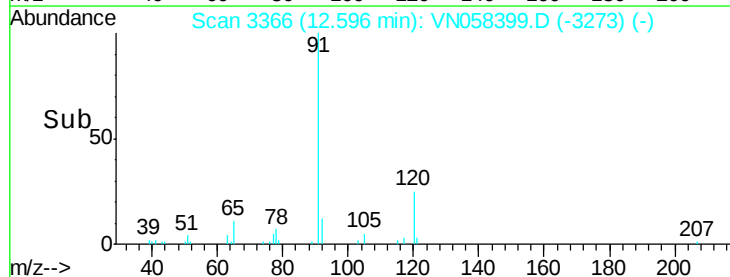
91 100

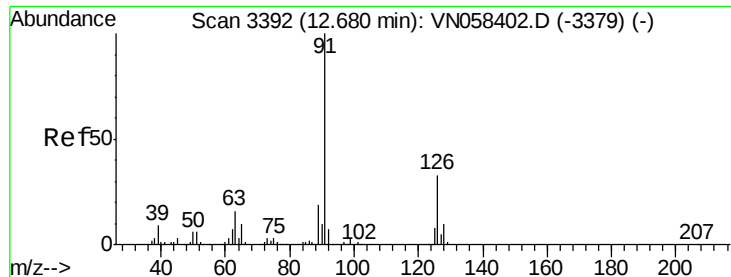
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.202 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

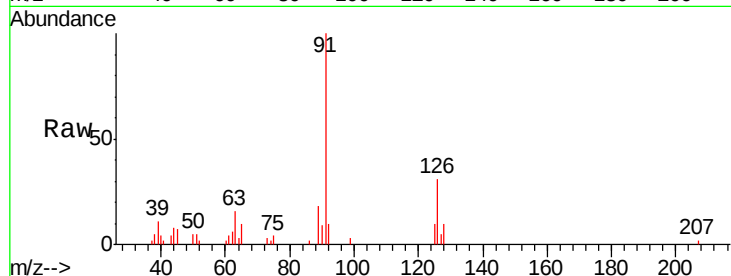
VSTDIC001

Tgt Ion: 91 Resp: 15467

Ion Ratio Lower Upper

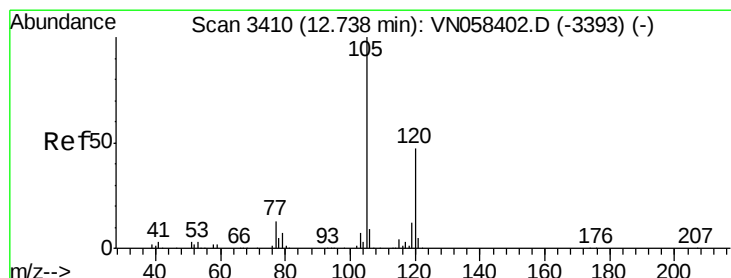
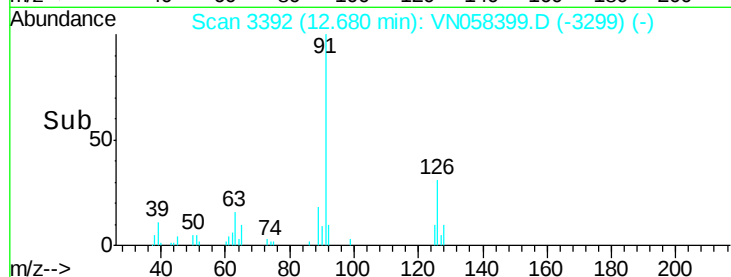
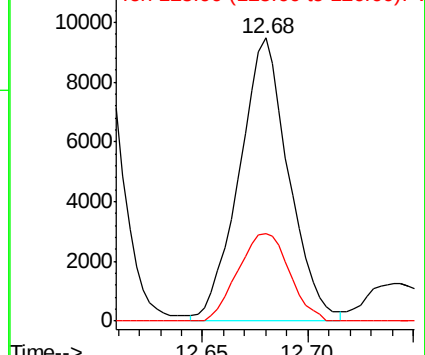
91 100

126 32.2 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.127 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058399.D

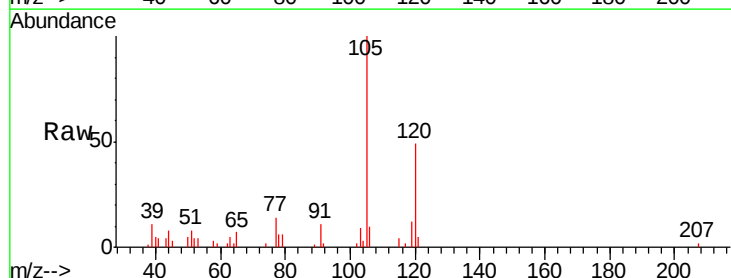
Acq: 27 Sep 2019 11:11

Tgt Ion: 105 Resp: 17290

Ion Ratio Lower Upper

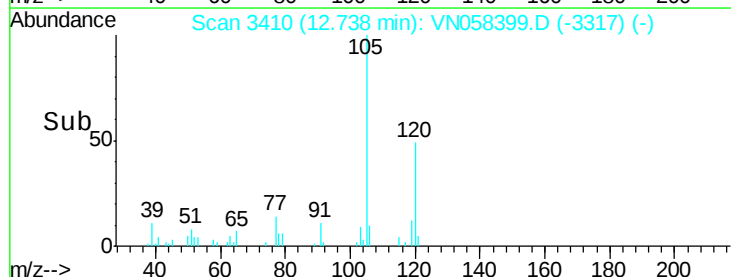
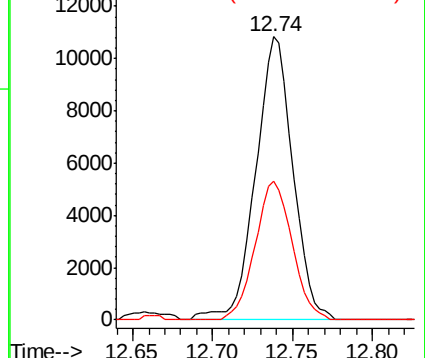
105 100

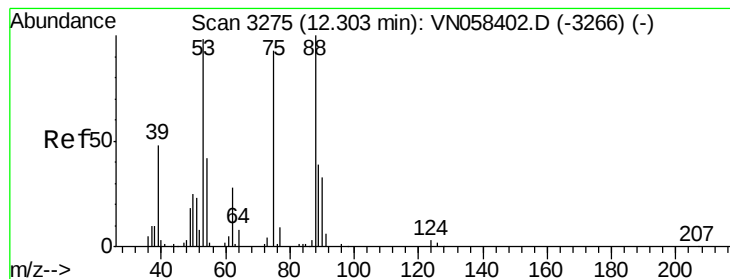
120 48.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 0.608 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

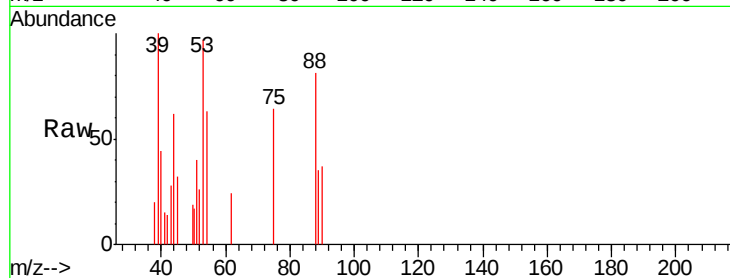
Tgt Ion: 75 Resp: 955

Ion Ratio Lower Upper

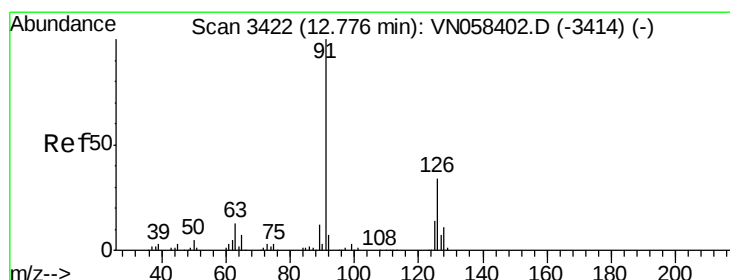
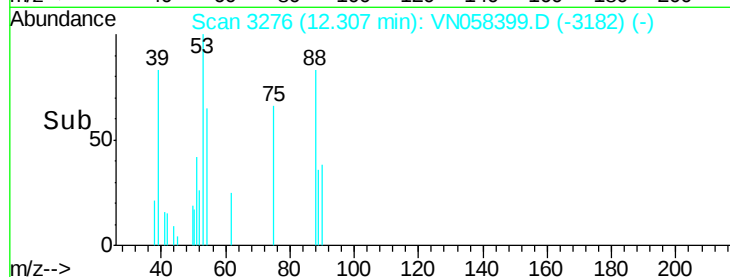
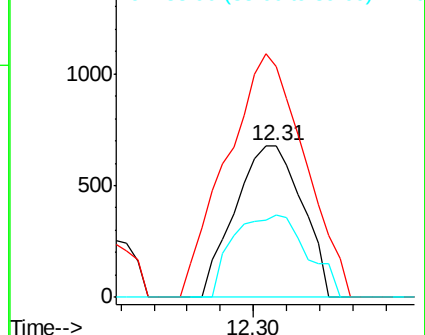
75 100

53 186.1 85.4 128.0#

89 59.8 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 1.125 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058399.D

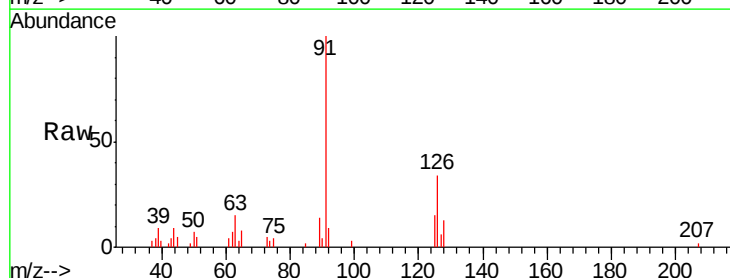
Acq: 27 Sep 2019 11:11

Tgt Ion: 91 Resp: 15130

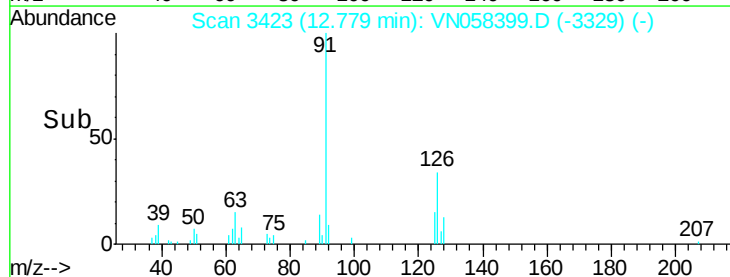
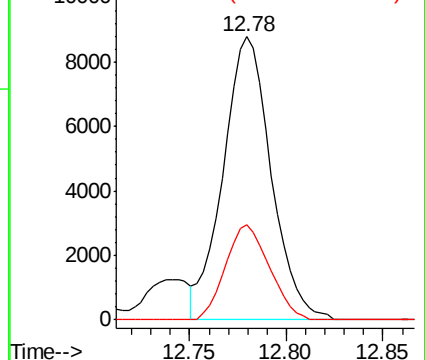
Ion Ratio Lower Upper

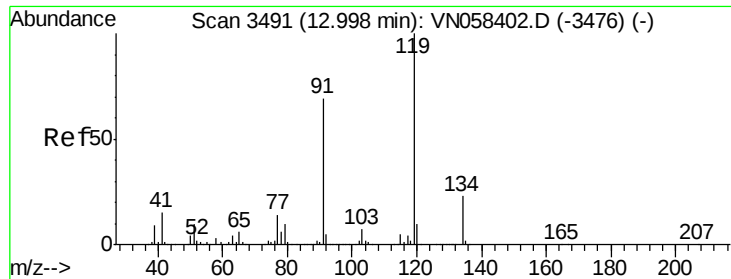
91 100

126 30.8 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): VNO

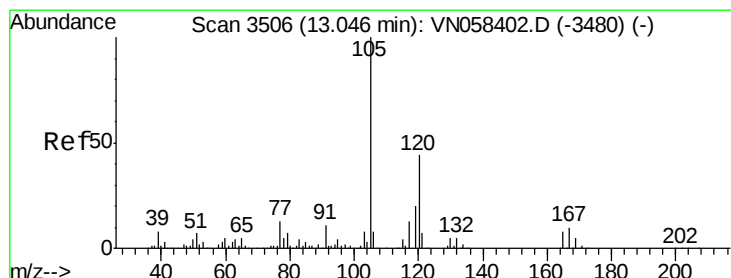
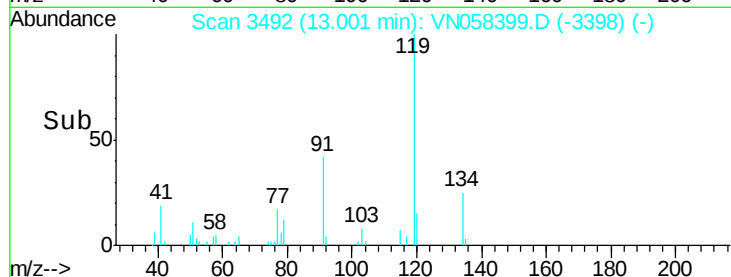
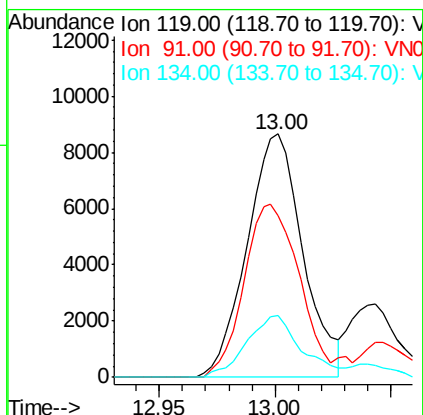
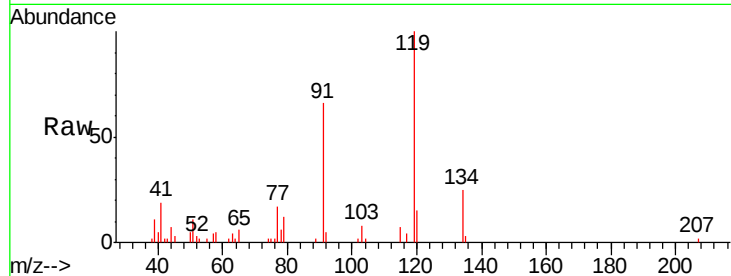




#83
 tert-Butylbenzene
 Concen: 1.071 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

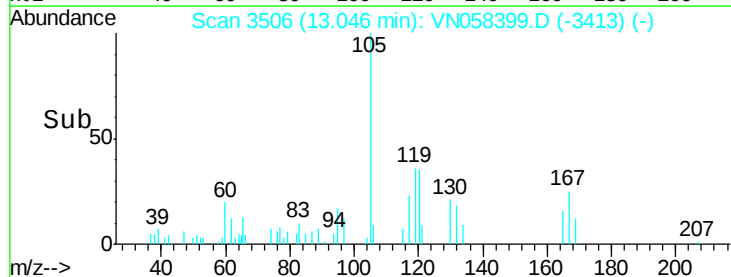
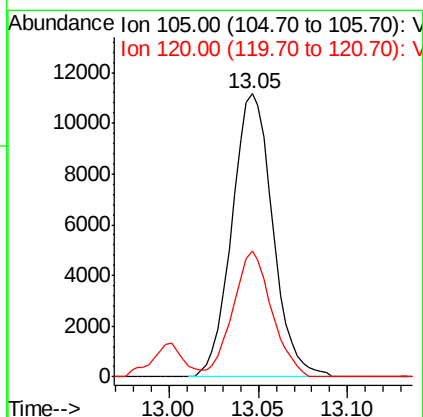
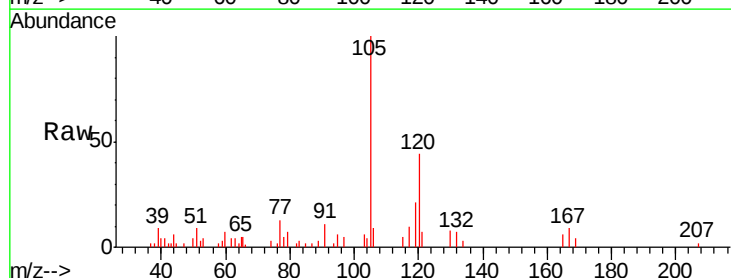
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

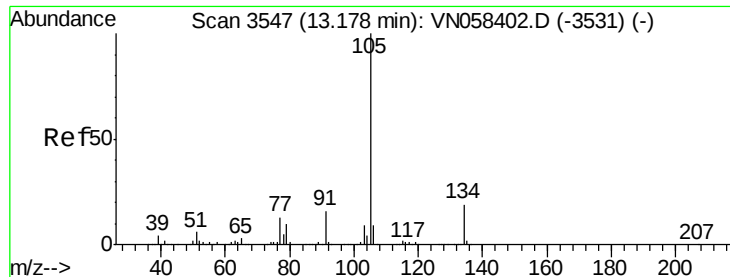
Tgt Ion:119 Resp: 14511
 Ion Ratio Lower Upper
 119 100
 91 69.7 34.2 102.6
 134 24.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.161 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion:105 Resp: 17729
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.7 65.1

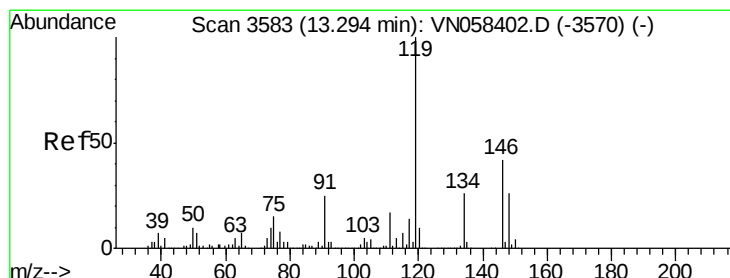
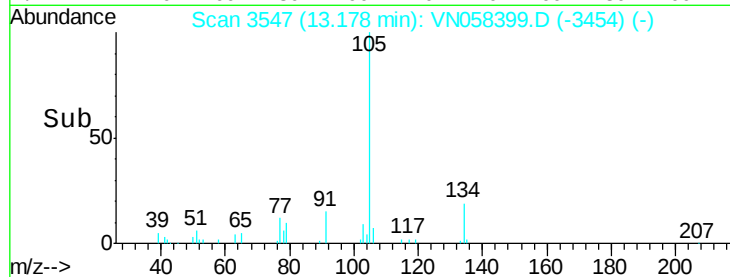
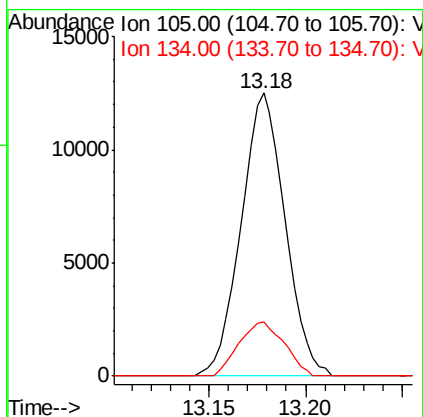
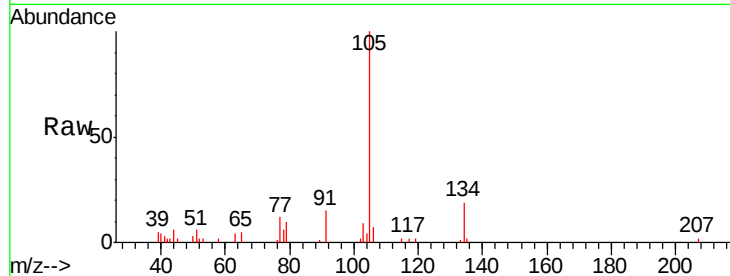




#85
 sec-Butylbenzene
 Concen: 1.114 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

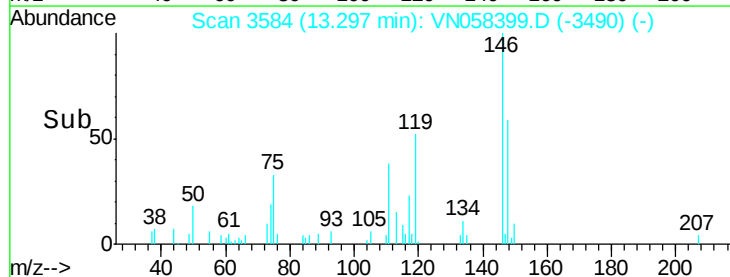
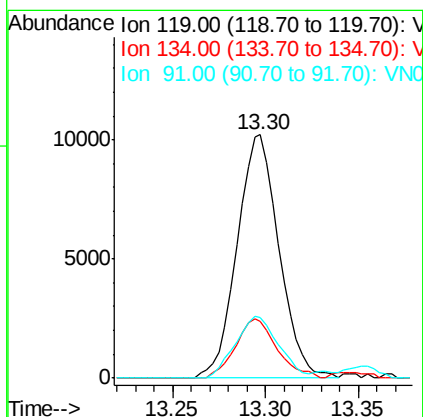
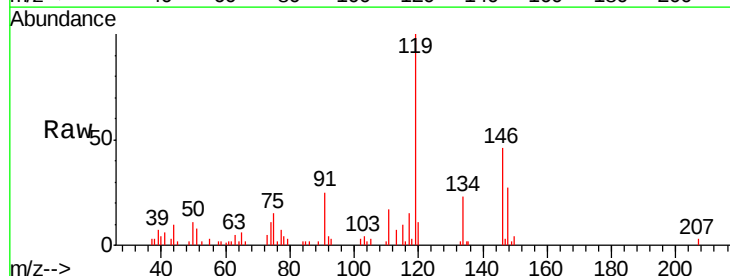
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

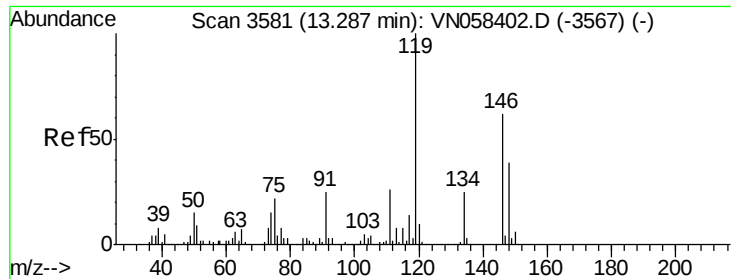
Tgt Ion:105 Resp: 19740
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 1.018 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion:119 Resp: 16001
 Ion Ratio Lower Upper
 119 100
 134 24.1 13.0 39.0
 91 26.2 12.4 37.0

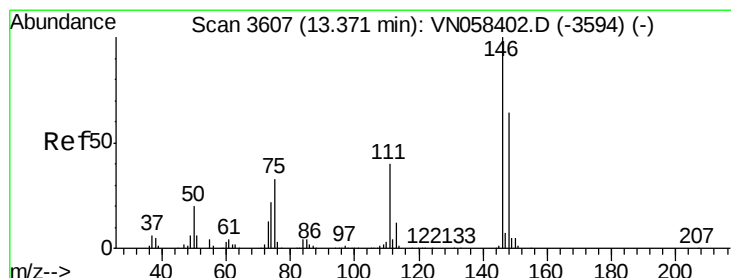
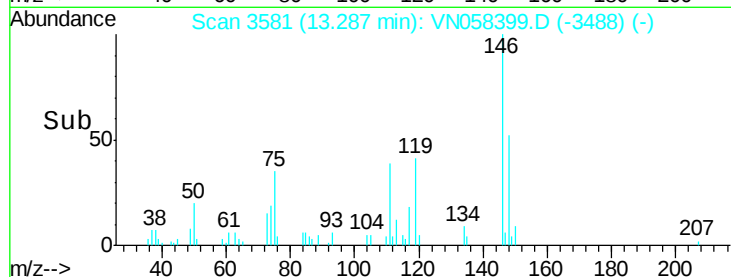
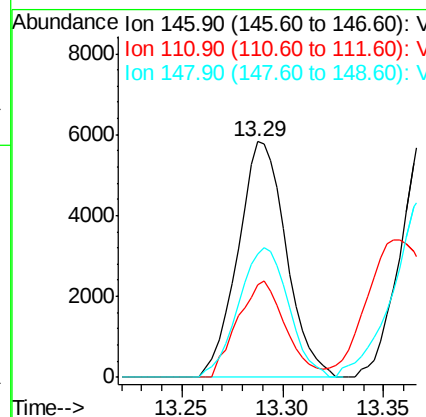
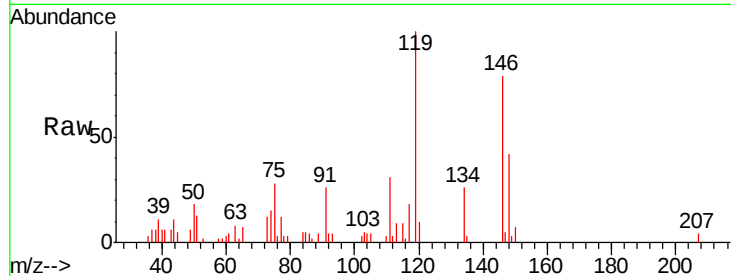




#87
 1,3-Dichlorobenzene
 Concen: 1.185 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

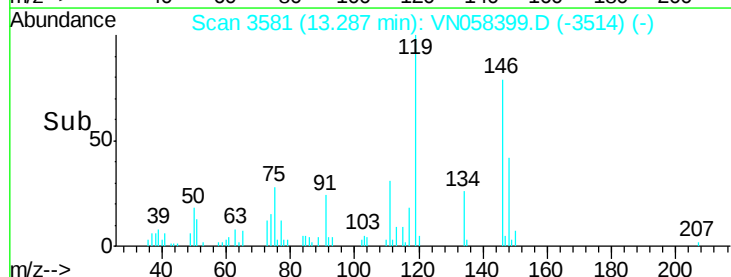
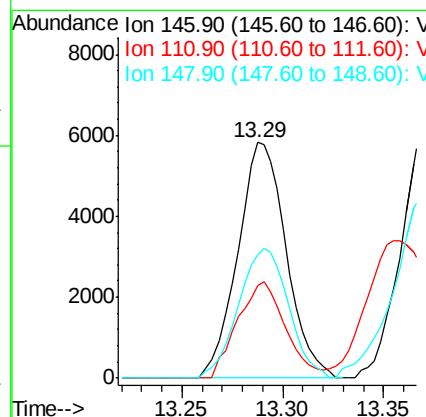
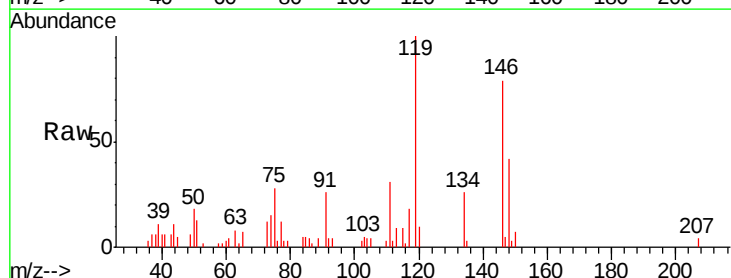
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

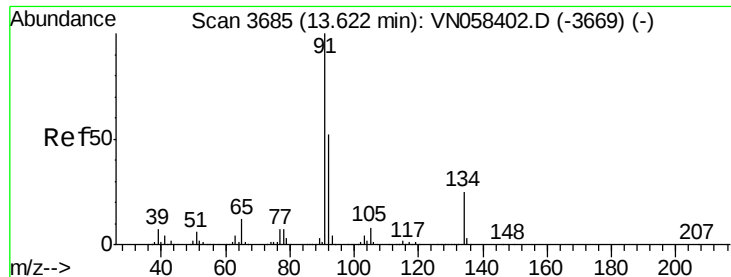
Tgt Ion:146 Resp: 9753
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.8 62.4
 148 56.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 1.164 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion:146 Resp: 9753
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.5 61.6
 148 56.9 31.5 94.5

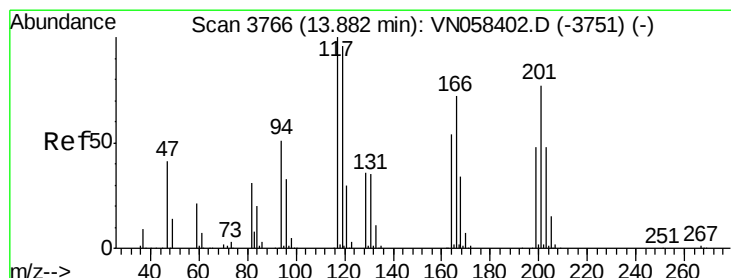
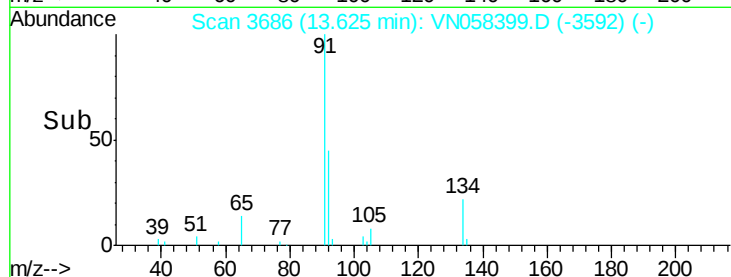
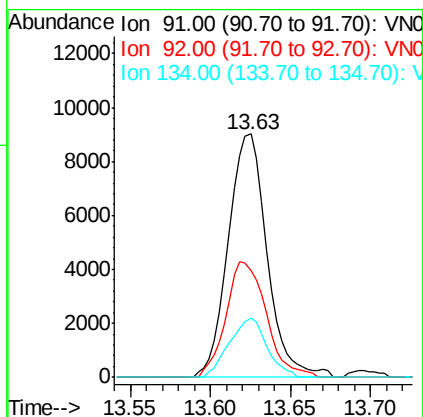
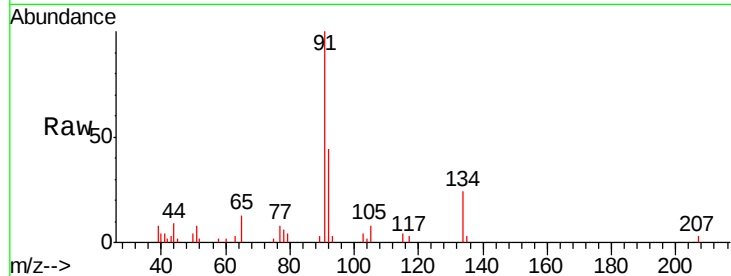




#89
n-Butylbenzene
Concen: 1.013 ug/l
RT: 13.63 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

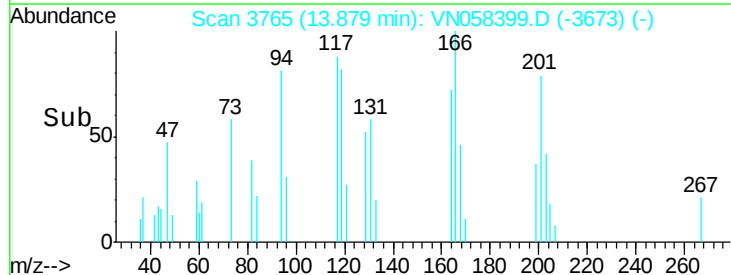
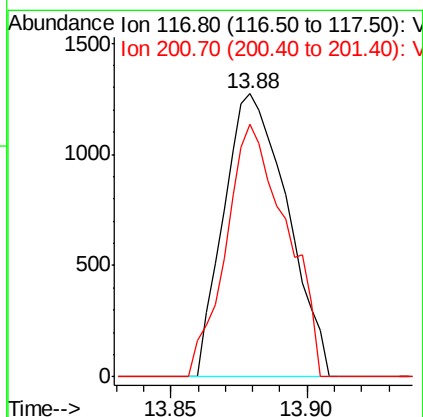
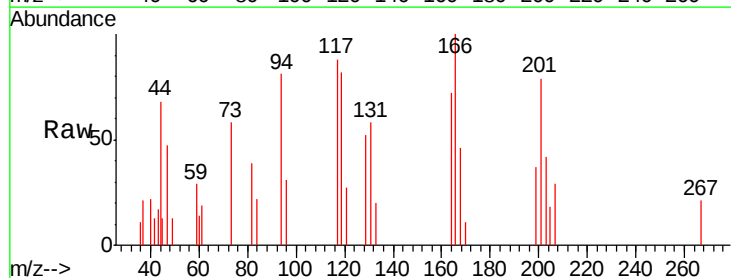
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

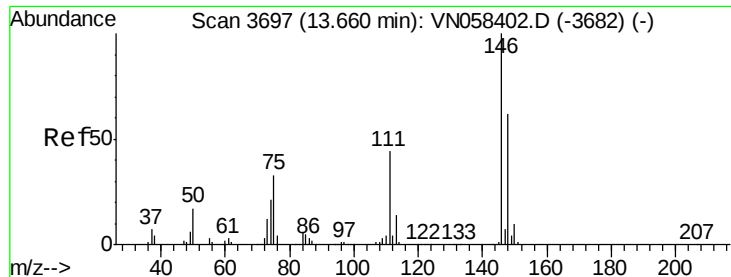
Tgt Ion: 91 Resp: 14894
Ion Ratio Lower Upper
91 100
92 49.3 25.7 77.1
134 23.5 12.2 36.6



#90
Hexachloroethane
Concen: 0.847 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 117 Resp: 2060
Ion Ratio Lower Upper
117 100
201 85.0 38.6 116.0





#91

1,2-Dichlorobenzene

Concen: 1.026 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

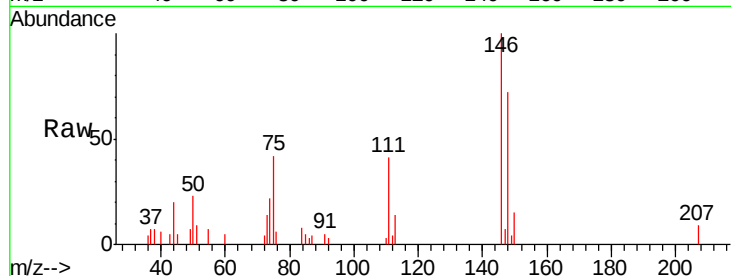
Tgt Ion:146 Resp: 8398

Ion Ratio Lower Upper

146 100

111 43.7 21.8 65.3

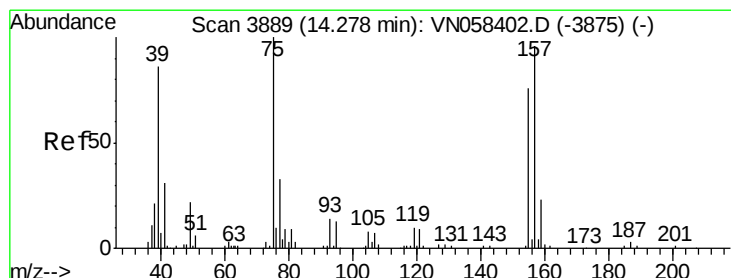
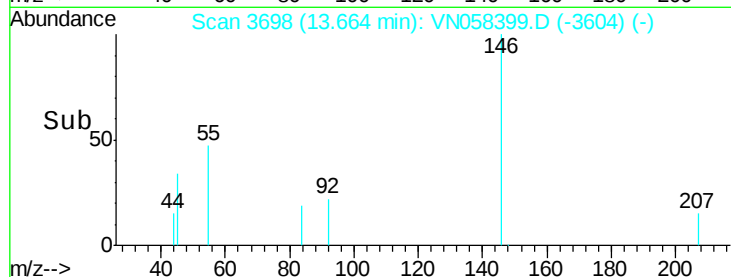
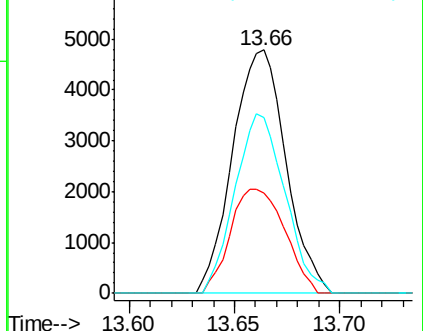
148 69.3 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.839 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

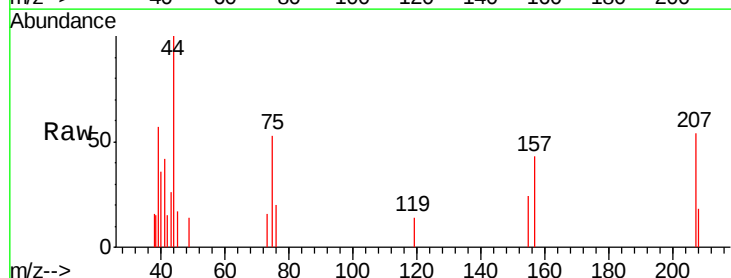
Tgt Ion: 75 Resp: 895

Ion Ratio Lower Upper

75 100

155 21.6 39.2 117.6#

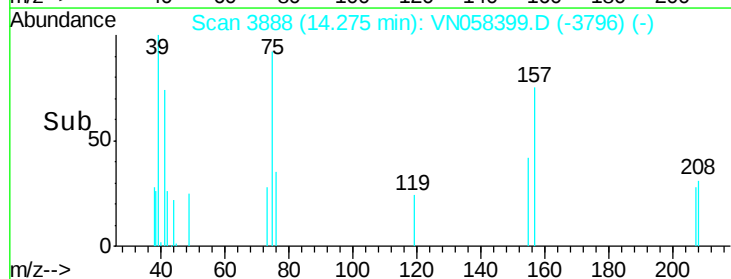
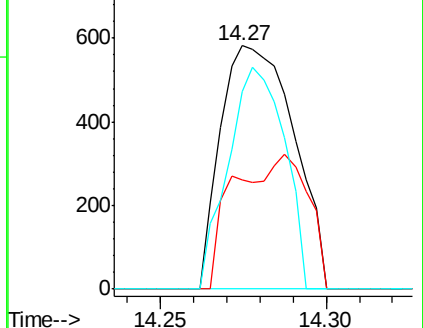
157 70.1 48.7 146.1

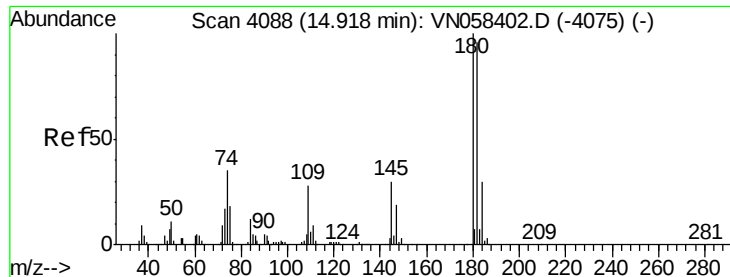


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

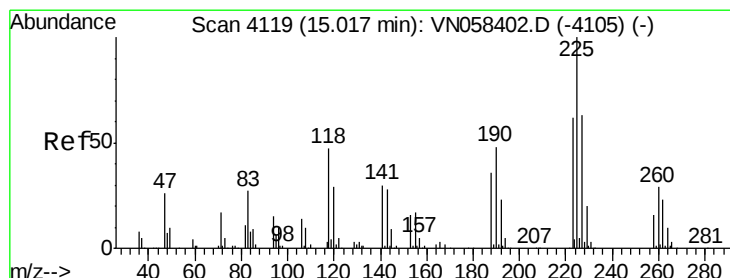
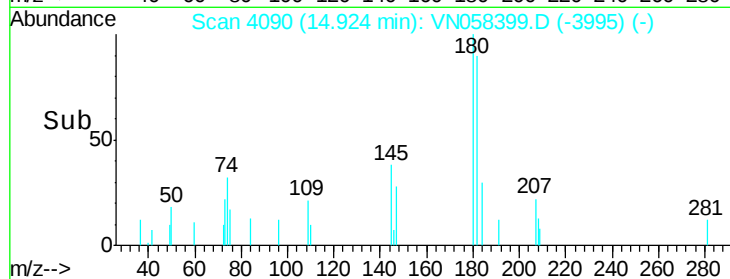
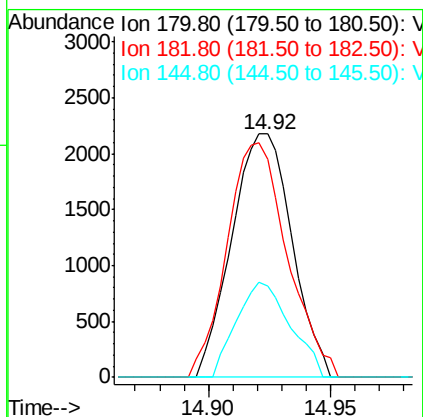
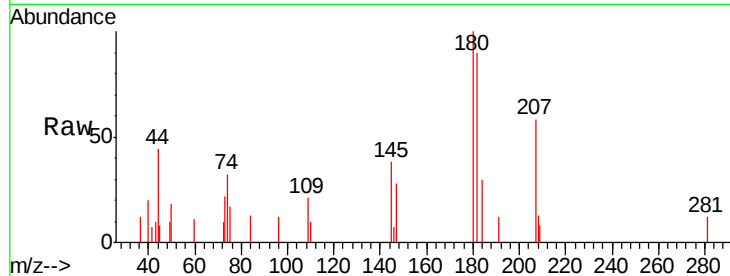




#93
 1,2,4-Trichlorobenzene
 Concen: 0.723 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

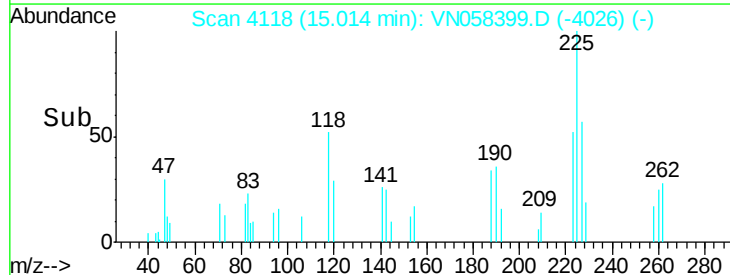
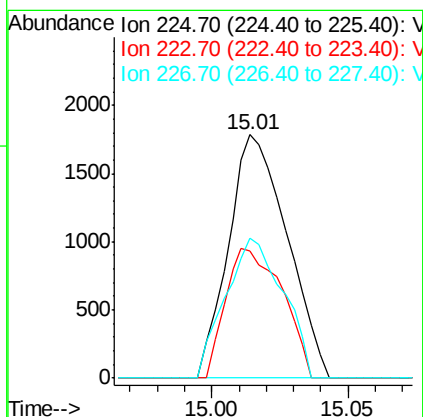
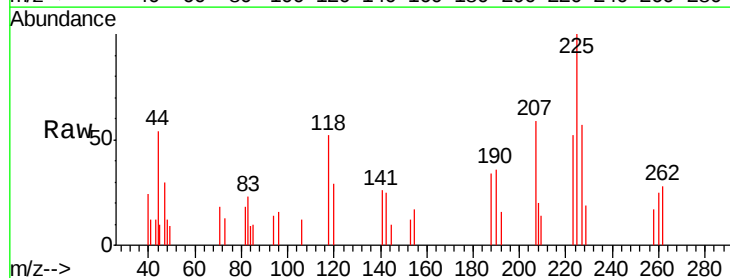
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

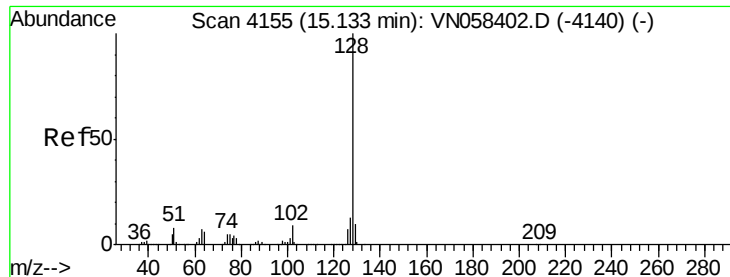
Tgt Ion:180 Resp: 3722
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.4 142.3
 145 34.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 1.068 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion:225 Resp: 2664
 Ion Ratio Lower Upper
 225 100
 223 51.7 31.1 93.5
 227 56.5 31.4 94.2





#95

Naphthalene

Concen: 0.681 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

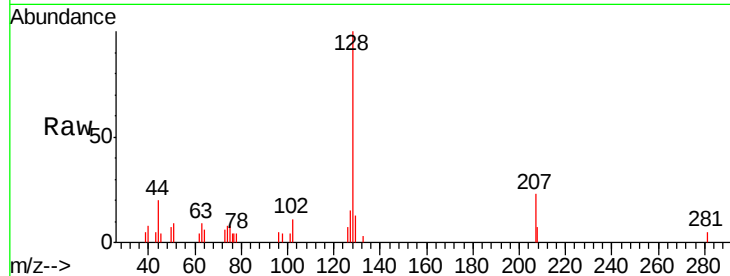
Tgt Ion:128 Resp: 9071

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

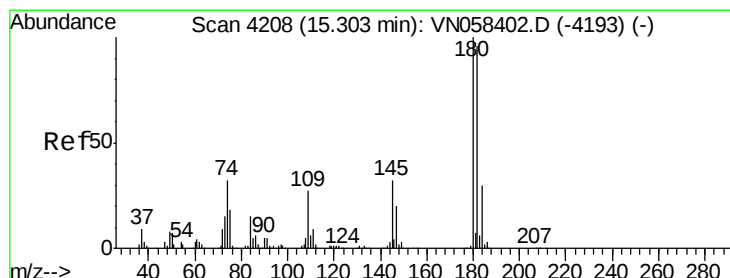
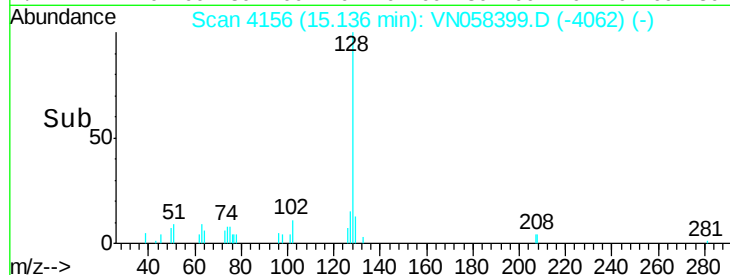
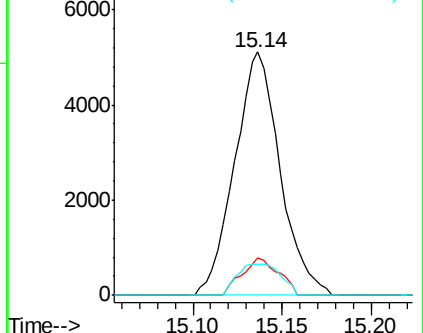
129 12.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.675 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

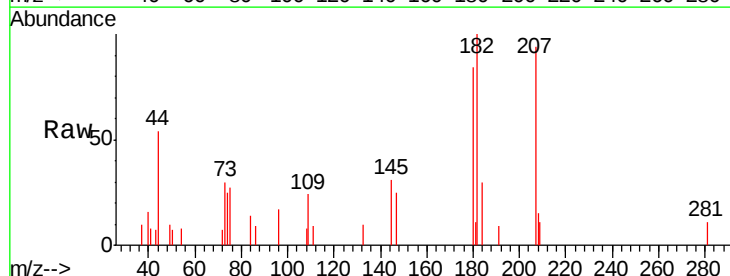
Tgt Ion:180 Resp: 3263

Ion Ratio Lower Upper

180 100

182 107.0 48.3 144.9

145 34.5 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

