

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112719\
 Data File : VN059425.D
 Acq On : 27 Nov 2019 15:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Nov 27 16:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	363473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	568854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	189349	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	4850	1.14	ug/l	0.00
Spiked Amount			Recovery	=	2.28%	
35) Dibromofluoromethane	7.58	113	3737	1.08	ug/l	0.00
Spiked Amount			Recovery	=	2.16%	
50) Toluene-d8	10.09	98	14373	1.04	ug/l	0.00
Spiked Amount			Recovery	=	2.08%	
62) 4-Bromofluorobenzene	12.40	95	6213	1.29	ug/l	0.00
Spiked Amount			Recovery	=	2.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	3646	0.852	ug/l	96
3) Chloromethane	2.04	50	5026	0.962	ug/l	93
4) Vinyl Chloride	2.17	62	4691	0.934	ug/l	98
5) Bromomethane	2.55	94	3629	1.200	ug/l	96
6) Chloroethane	2.69	64	2605	0.925	ug/l #	84
7) Trichlorofluoromethane	3.00	101	5809	0.971	ug/l	95
8) Diethyl Ether	3.38	74	1197	0.492	ug/l #	30
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3626	0.984	ug/l #	72
10) Methyl Iodide	3.93	142	3332	0.695	ug/l #	95
11) Tert butyl alcohol	4.77	59	2536	3.438	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	3347	0.928	ug/l	94
13) Acrolein	3.59	56	2365	3.285	ug/l	99
14) Allyl chloride	4.29	41	6192	0.925	ug/l #	92
15) Acrylonitrile	4.96	53	8167	3.974	ug/l #	55
16) Acetone	3.80	43	9352	4.611	ug/l	93
17) Carbon Disulfide	4.03	76	14694	1.187	ug/l	99
18) Methyl Acetate	4.31	43	5857	1.060	ug/l #	89
19) Methyl tert-butyl Ether	5.02	73	9954	0.856	ug/l #	91
20) Methylene Chloride	4.53	84	3961	0.961	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	3707	0.943	ug/l	94
22) Diisopropyl ether	5.93	45	10526	0.847	ug/l #	71
23) Vinyl Acetate	5.88	43	41142	4.101	ug/l	96
24) 1,1-Dichloroethane	5.82	63	6312	0.882	ug/l #	84
25) 2-Butanone	6.82	43	11181	4.007	ug/l	97
26) 2,2-Dichloropropane	6.80	77	5670	0.931	ug/l	91
27) cis-1,2-Dichloroethene	6.81	96	3881	0.903	ug/l	96
28) Bromochloromethane	7.18	49	1125	0.455	ug/l #	94
29) Tetrahydrofuran	7.20	42	8002	4.312	ug/l	95
30) Chloroform	7.35	83	8052	1.118	ug/l	98
31) Cyclohexane	7.64	56	12121	1.690	ug/l #	20
32) 1,1,1-Trichloroethane	7.55	97	5281	0.897	ug/l #	48
36) 1,1-Dichloropropene	7.78	75	4959	0.907	ug/l	97
37) Ethyl Acetate	6.91	43	5248	0.907	ug/l #	86
38) Carbon Tetrachloride	7.75	117	4284	0.830	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5246	0.802	ug/l	98
40) Benzene	8.03	78	14784	0.910	ug/l	100
41) Methacrylonitrile	7.16	41	2292	0.839	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	4564	0.886	ug/l	92
43) Isopropyl Acetate	8.15	43	7073	0.804	ug/l #	91
44) Trichloroethene	8.82	130	3862	0.933	ug/l	98
45) 1,2-Dichloropropane	9.10	63	3686	0.868	ug/l	94
46) Dibromomethane	9.20	93	2248	0.857	ug/l	95
47) Bromodichloromethane	9.39	83	4798	0.905	ug/l	96
48) Methyl methacrylate	9.19	41	3308	0.848	ug/l	90
49) 1,4-Dioxane	9.20	88	942	16.534	ug/l #	81
51) 4-Methyl-2-Pentanone	9.98	43	20455	4.011	ug/l	99
52) Toluene	10.15	92	8559	0.882	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5097	0.837	ug/l #	77
54) cis-1,3-Dichloropropene	9.83	75	5163	0.785	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	3443	0.907	ug/l	91
56) Ethyl methacrylate	10.42	69	3820	0.690	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	5670	0.864	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	5242	3.221	ug/l	97
59) 2-Hexanone	10.75	43	14127	3.736	ug/l	99
60) Dibromochloromethane	10.90	129	2961	0.747	ug/l	88
61) 1,2-Dibromoethane	11.00	107	3220	0.827	ug/l	93
64) Tetrachloroethene	10.63	164	3666	1.019	ug/l	98
65) Chlorobenzene	11.43	112	9628	0.978	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	3154	0.883	ug/l #	60
67) Ethyl Benzene	11.51	91	15355	0.888	ug/l	100
68) m/p-Xylenes	11.62	106	11119	1.722	ug/l	98
69) o-Xylene	11.95	106	5348	0.864	ug/l	99
70) Styrene	11.97	104	7329	0.755	ug/l	98
71) Bromoform	12.12	173	2028	0.746	ug/l #	99
73) Isopropylbenzene	12.25	105	13758	0.981	ug/l	99
74) N-amyl acetate	12.07	43	3877	0.735	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	4593	1.004	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	6263	1.432	ug/l #	100
77) Bromobenzene	12.53	156	3351	0.976	ug/l	88
78) n-propylbenzene	12.59	91	15823	0.979	ug/l	100
79) 2-Chlorotoluene	12.68	91	9591	0.992	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	11127	0.944	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1281	0.768	ug/l	96
82) 4-Chlorotoluene	12.78	91	9894	0.994	ug/l	99
83) tert-Butylbenzene	12.99	119	9804	0.968	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	10640	0.921	ug/l	99
85) sec-Butylbenzene	13.17	105	12452	0.926	ug/l	99
86) p-Isopropyltoluene	13.29	119	11795	0.970	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	6057	0.995	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	6057	0.991	ug/l	98
89) n-Butylbenzene	13.62	91	10078	0.948	ug/l	96
90) Hexachloroethane	13.88	117	2390	1.029	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	6414	1.076	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1531	1.474	ug/l	55

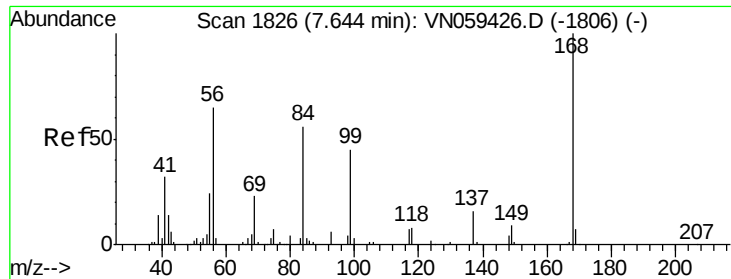
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4382	1.182	ug/l	98
94) Hexachlorobutadiene	15.01	225	2838	1.249	ug/l	96
95) Naphthalene	15.13	128	15701	1.499	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	5649	1.431	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

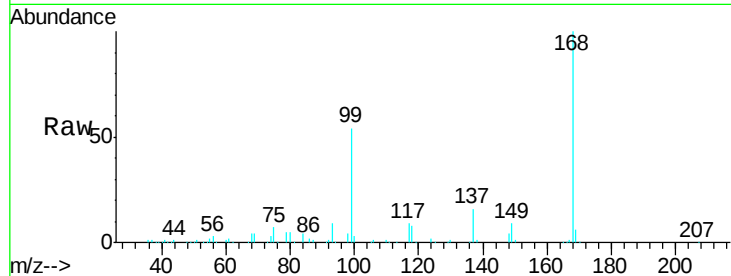
VSTDIC001

Tgt Ion:168 Resp: 363473

Ion Ratio Lower Upper

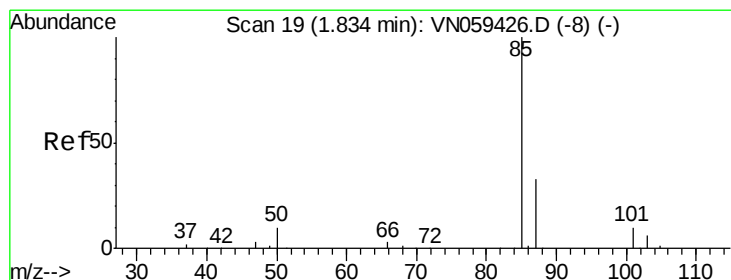
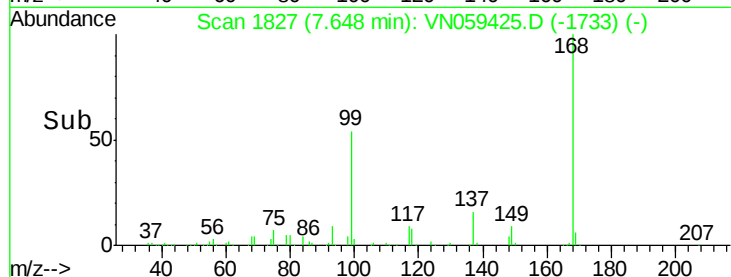
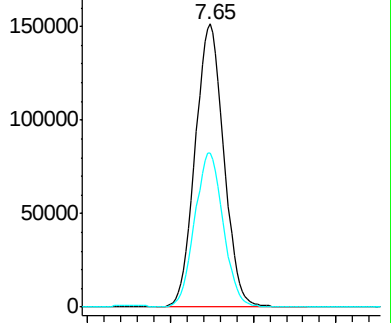
168 100

99 54.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.852 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059425.D

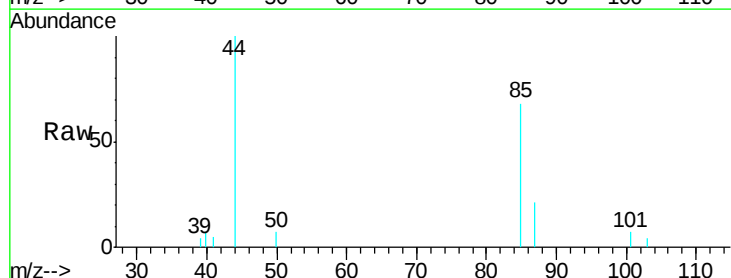
Acq: 27 Nov 2019 15:21

Tgt Ion: 85 Resp: 3646

Ion Ratio Lower Upper

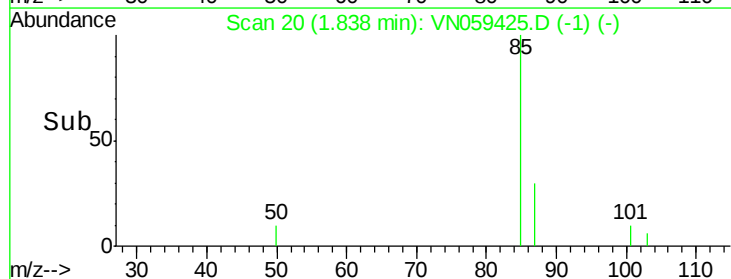
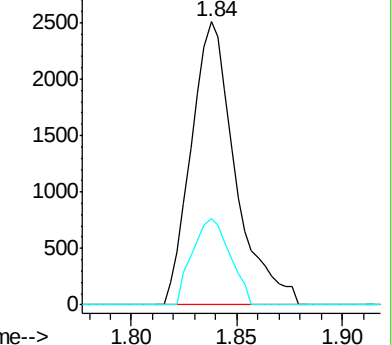
85 100

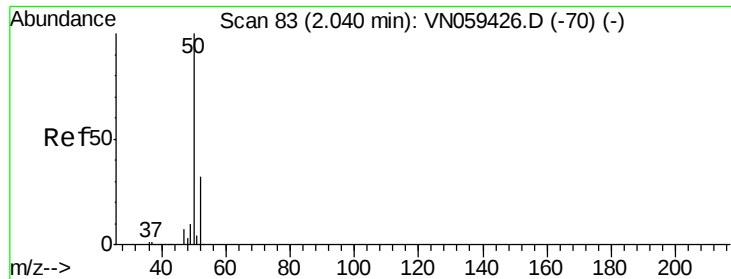
87 30.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.962 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

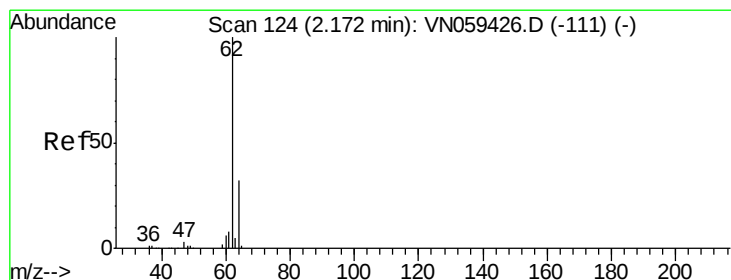
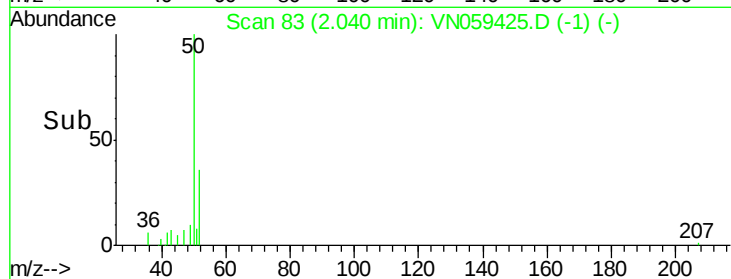
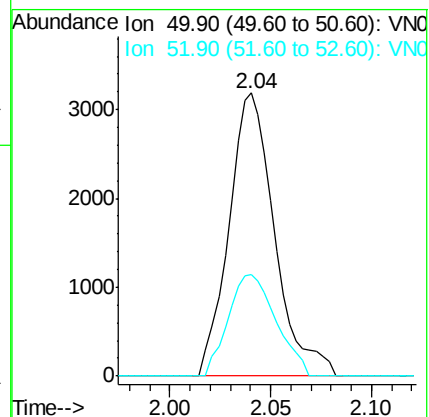
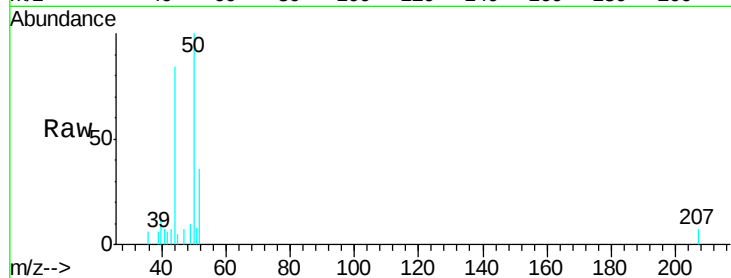
VSTDIC001

Tgt Ion: 50 Resp: 5026

Ion Ratio Lower Upper

50 100

52 36.0 25.8 38.6



#4

Vinyl Chloride

Concen: 0.934 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059425.D

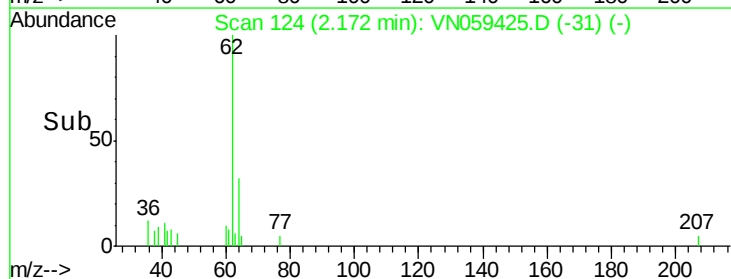
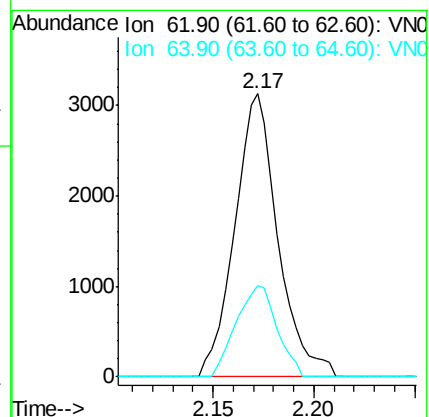
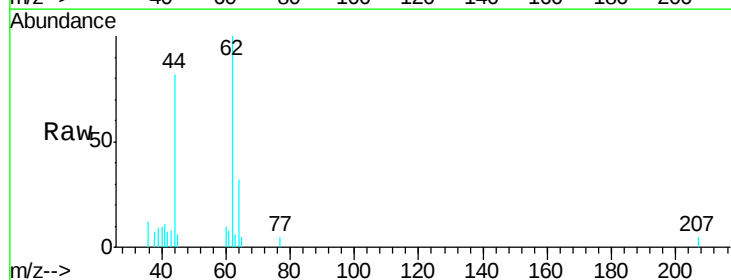
Acq: 27 Nov 2019 15:21

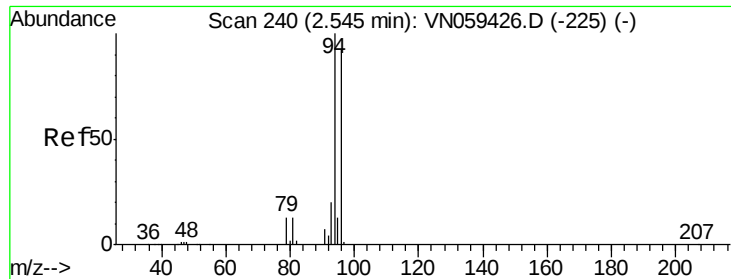
Tgt Ion: 62 Resp: 4691

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 1.200 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

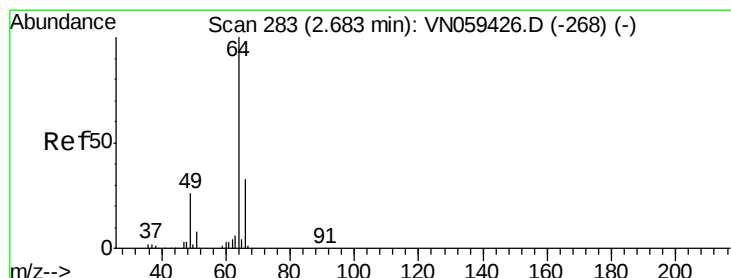
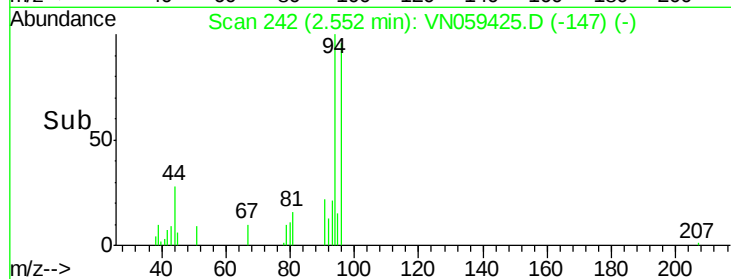
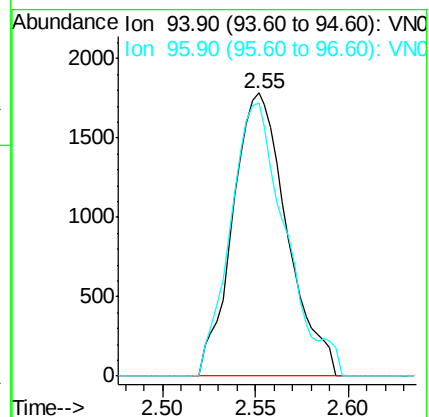
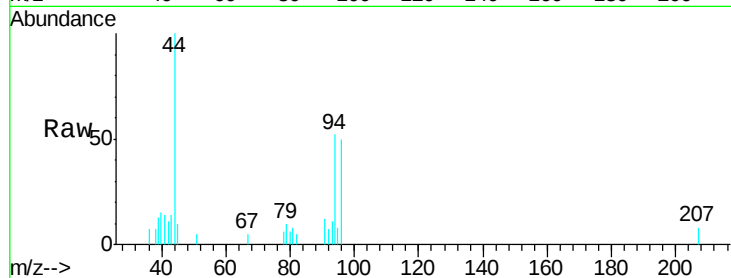
VSTDIC001

Tgt Ion: 94 Resp: 3629

Ion Ratio Lower Upper

94 100

96 96.4 73.8 110.6



#6

Chloroethane

Concen: 0.925 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN059425.D

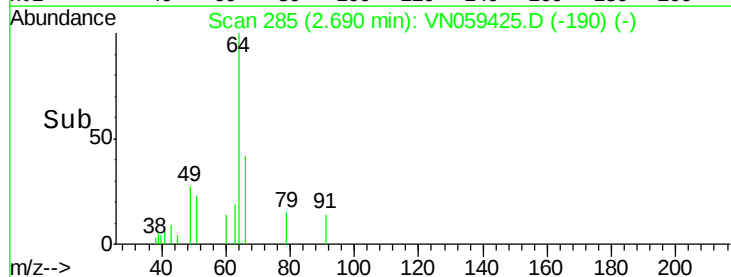
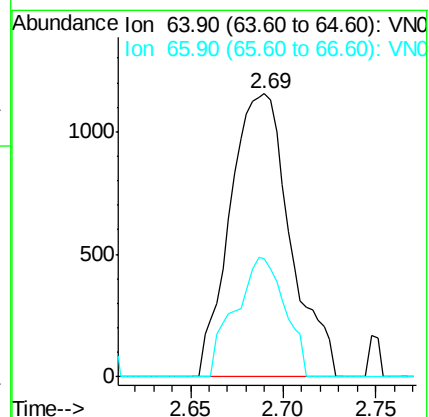
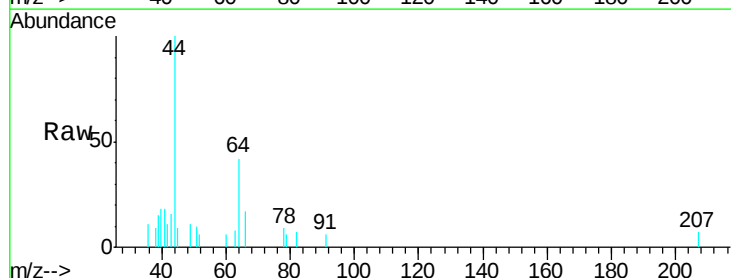
Acq: 27 Nov 2019 15:21

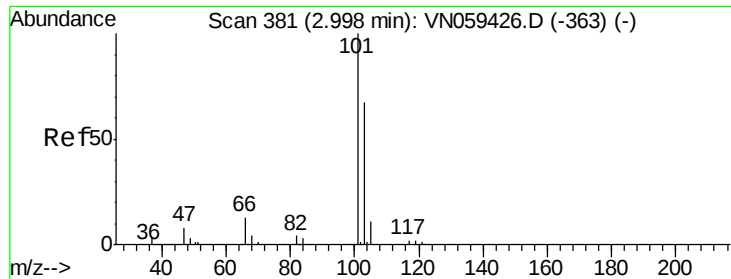
Tgt Ion: 64 Resp: 2605

Ion Ratio Lower Upper

64 100

66 41.9 26.5 39.7#



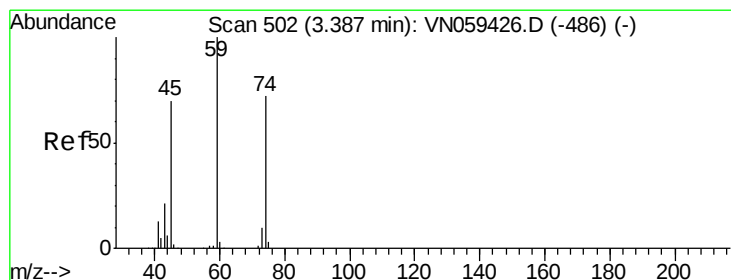
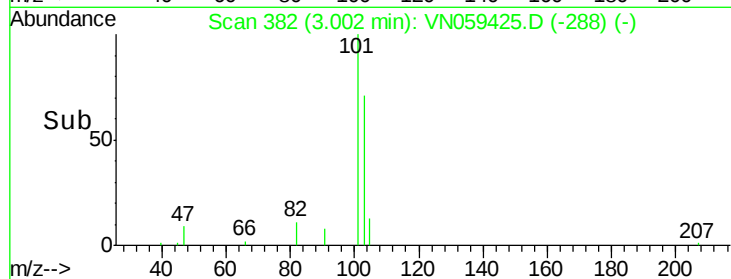
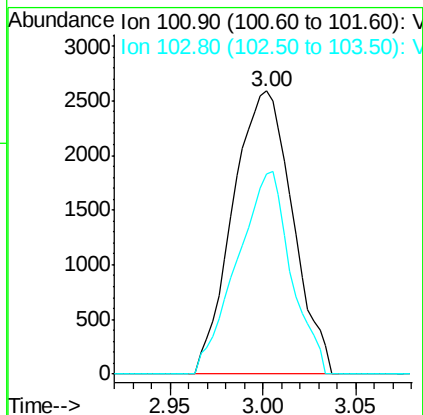
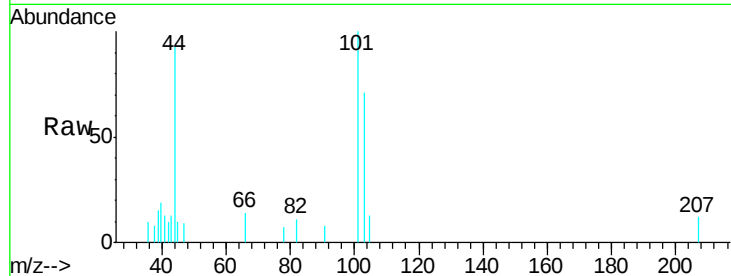


#7

Trichlorofluoromethane
 Concen: 0.971 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

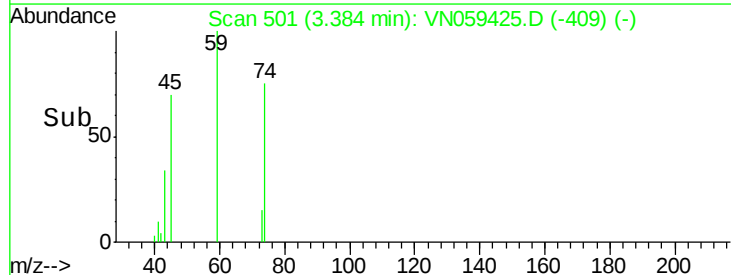
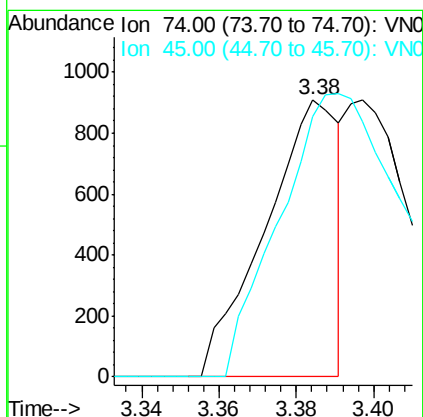
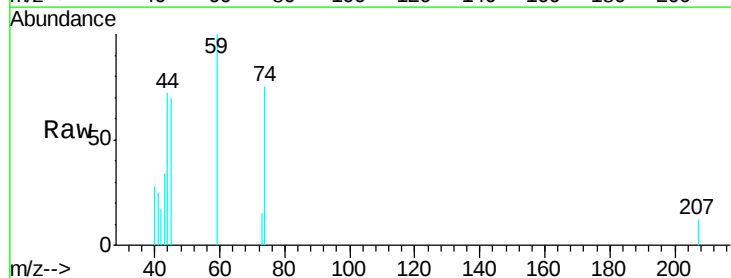
Tgt Ion: 101 Resp: 5809
 Ion Ratio Lower Upper
 101 100
 103 70.7 53.6 80.4

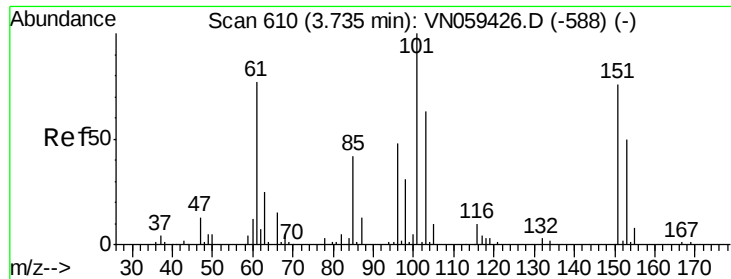


#8

Diethyl Ether
 Concen: 0.492 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 74 Resp: 1197
 Ion Ratio Lower Upper
 74 100
 45 168.7 49.7 149.1#

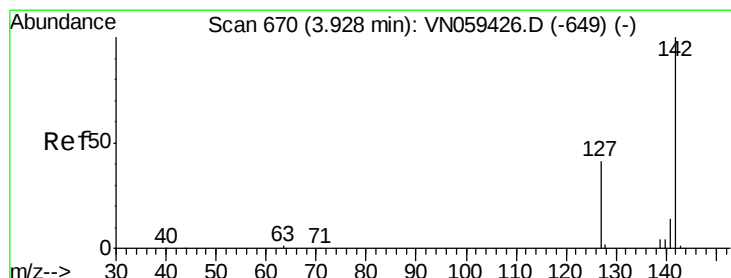
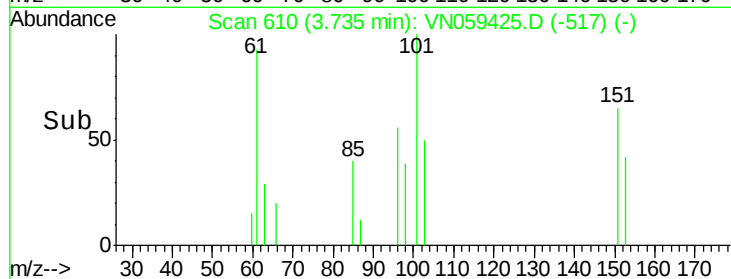
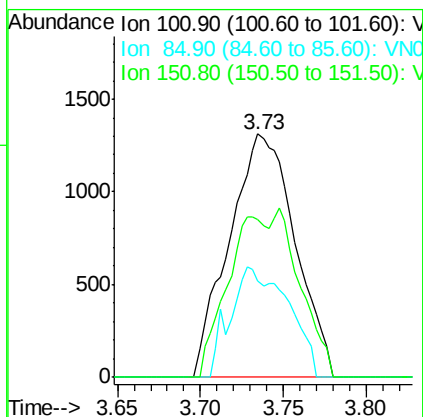
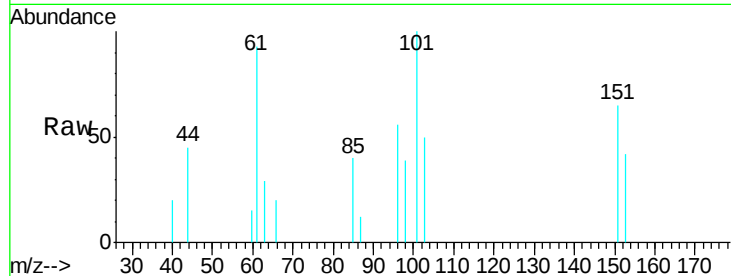




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.984 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059425.D
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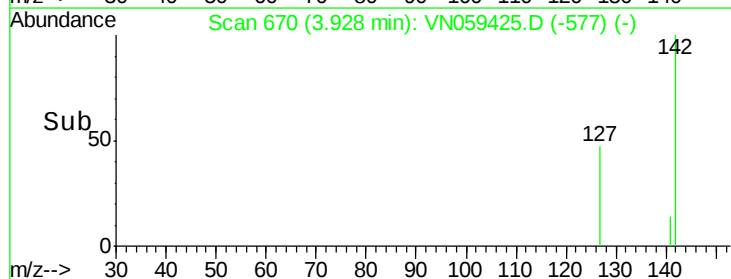
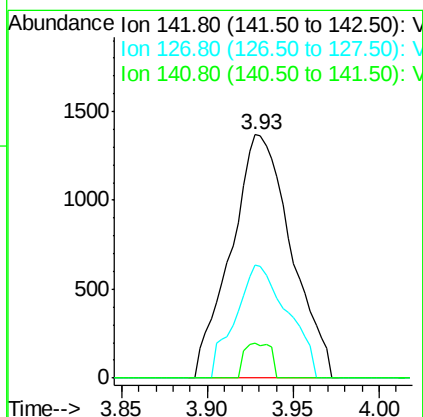
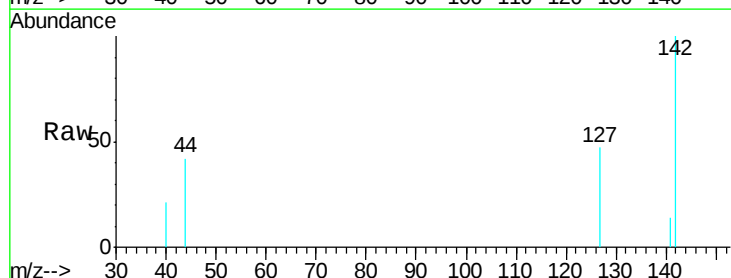
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

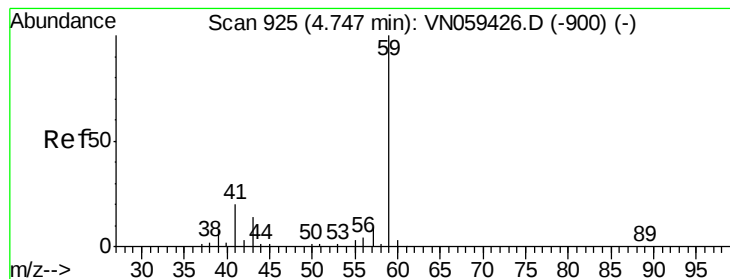
Tgt Ion:101 Resp: 3626
 Ion Ratio Lower Upper
 101 100
 85 40.0 34.2 51.2
 151 41.9 62.6 93.8#



#10
 Methyl Iodide
 Concen: 0.695 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion:142 Resp: 3332
 Ion Ratio Lower Upper
 142 100
 127 40.5 32.6 48.8
 141 6.3 11.1 16.7#



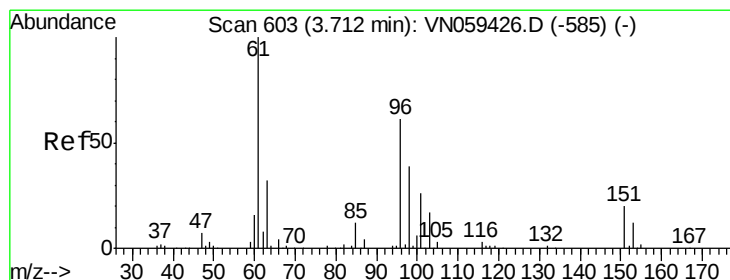
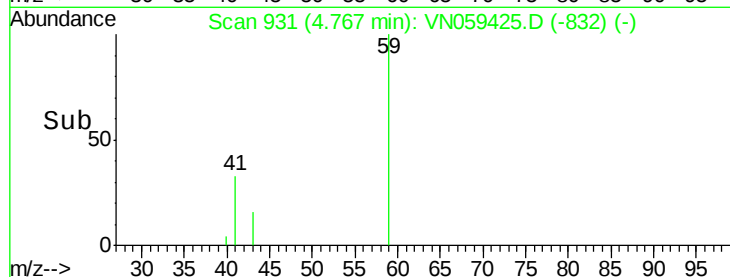
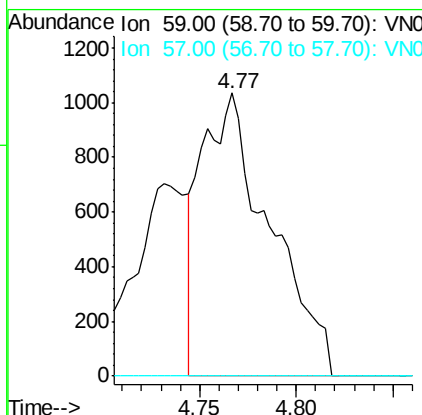
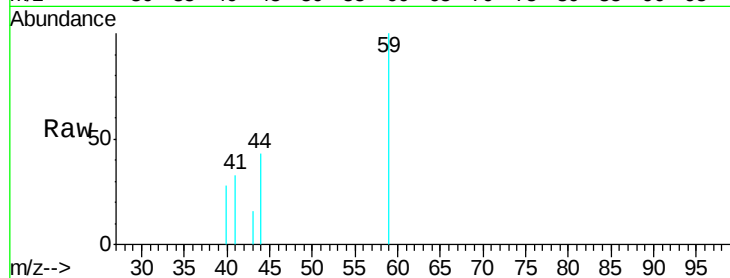


#11

Tert butyl alcohol
 Concen: 3.438 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.02 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

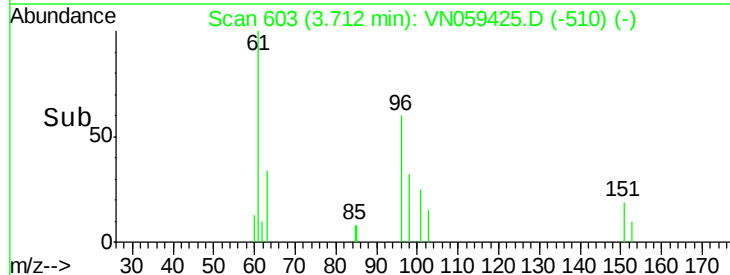
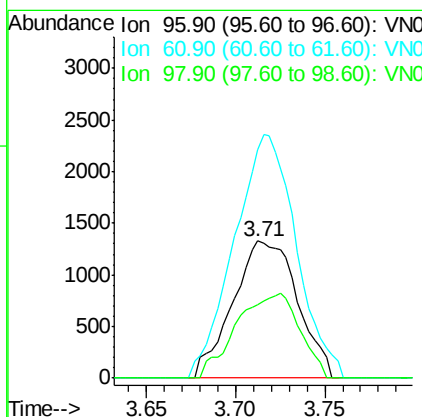
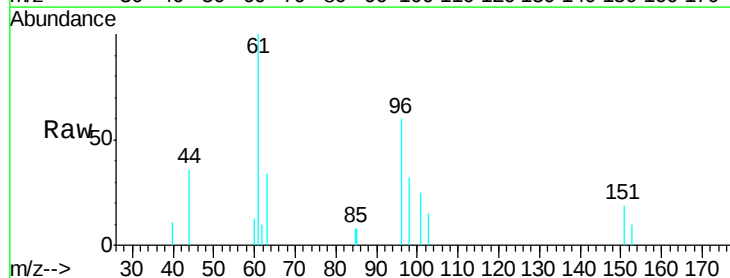
Tgt Ion: 59 Resp: 2536
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.8 5.8#

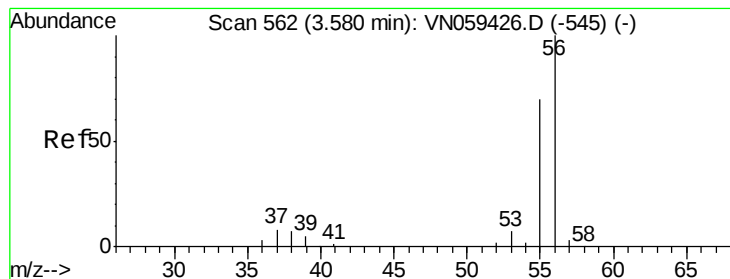


#12

1,1-Dichloroethene
 Concen: 0.928 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 96 Resp: 3347
 Ion Ratio Lower Upper
 96 100
 61 167.1 130.5 195.7
 98 53.4 51.3 76.9





#13

Acrolein

Concen: 3.285 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

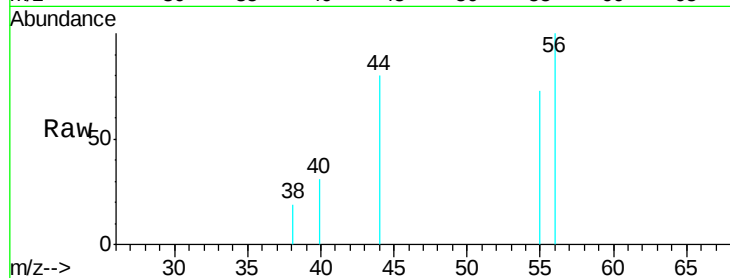
VSTDIC001

Tgt Ion: 56 Resp: 2365

Ion Ratio Lower Upper

56 100

55 73.1 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

1000

800

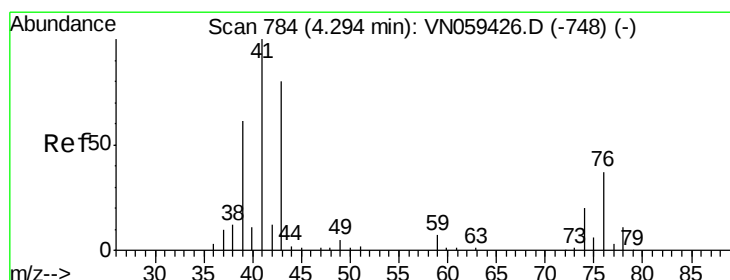
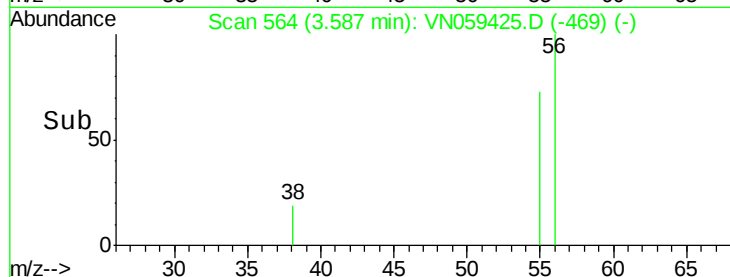
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 0.925 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

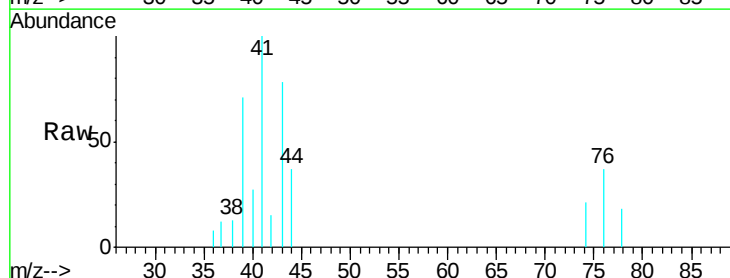
Tgt Ion: 41 Resp: 6192

Ion Ratio Lower Upper

41 100

39 62.5 46.5 69.7

76 26.6 26.8 40.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

2500

2000

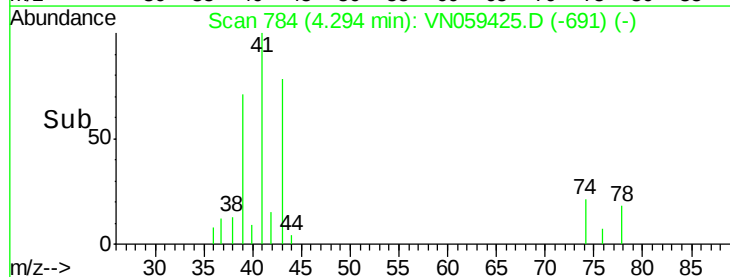
1500

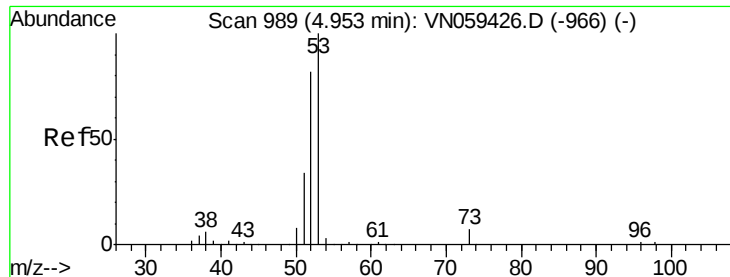
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 3.974 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

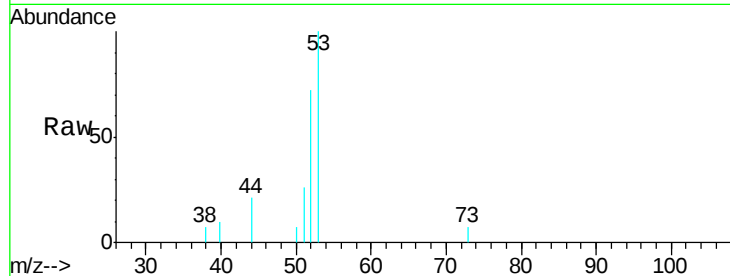
Tgt Ion: 53 Resp: 8167

Ion Ratio Lower Upper

53 100

52 37.2 65.1 97.7#

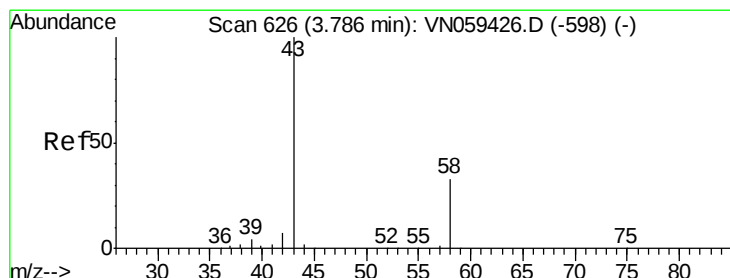
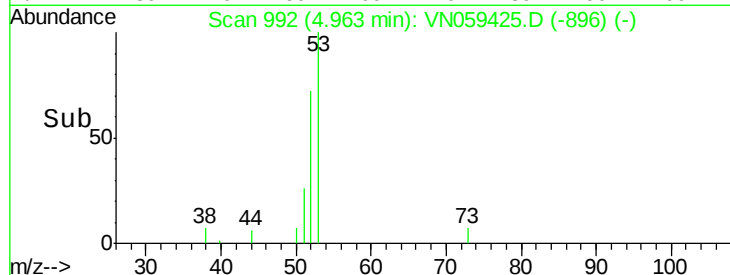
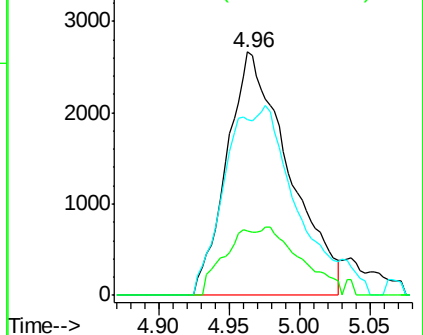
51 14.6 27.8 41.8#



Abundance Ion 53.00 (52.70 to 53.70): VN059426.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059426.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059426.D (-966) (-)



#16

Acetone

Concen: 4.611 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059425.D

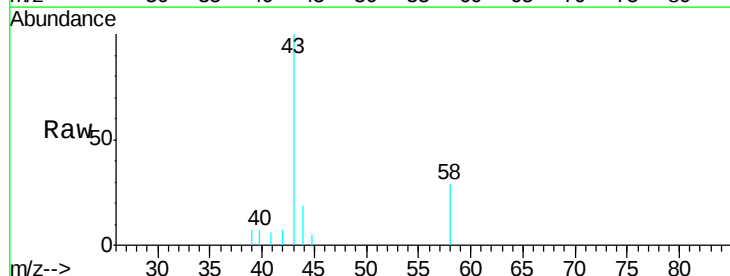
Acq: 27 Nov 2019 15:21

Tgt Ion: 43 Resp: 9352

Ion Ratio Lower Upper

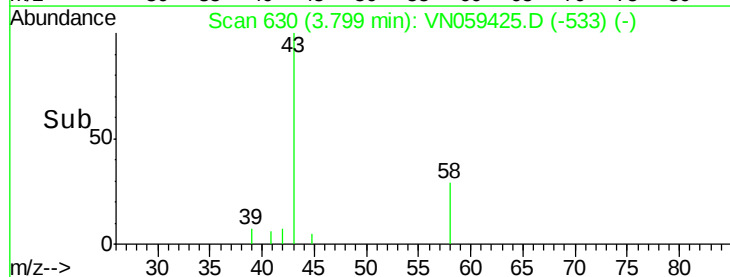
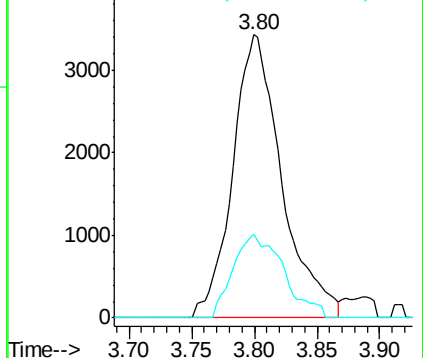
43 100

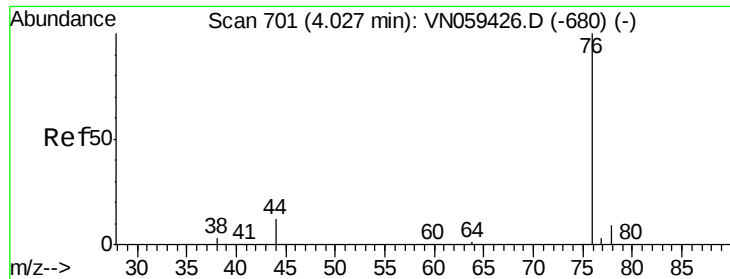
58 29.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-598) (-)

Ion 58.00 (57.70 to 58.70): VN059426.D (-598) (-)

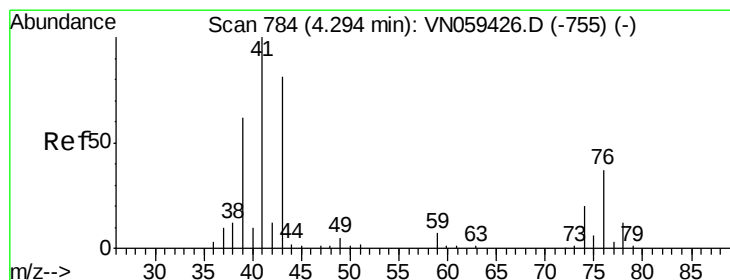
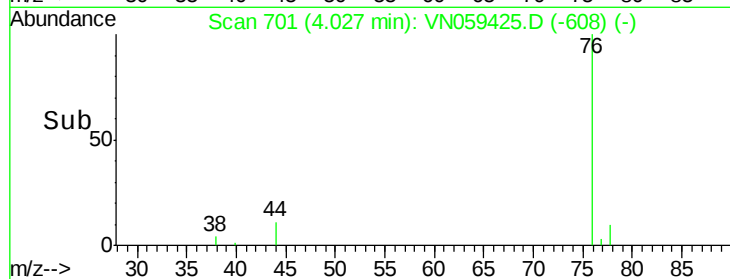
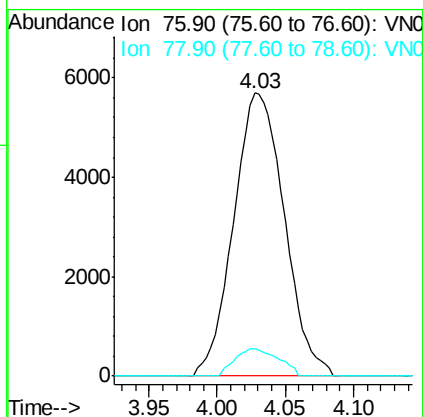
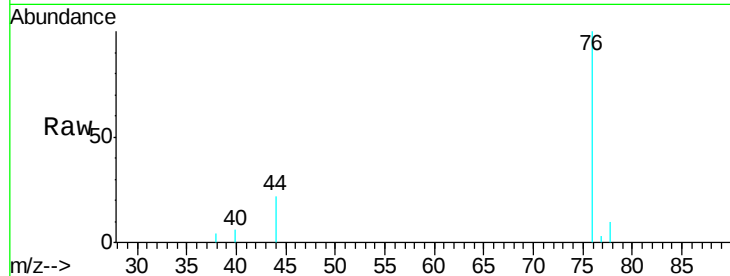




#17
Carbon Disulfide
Concen: 1.187 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

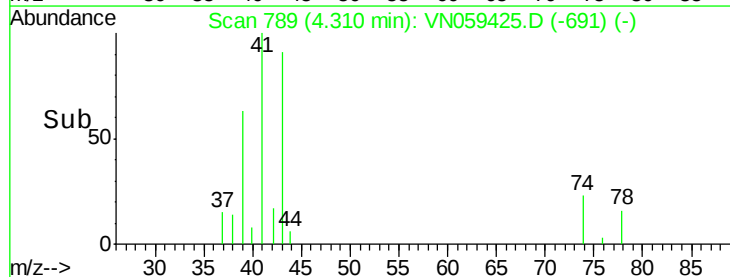
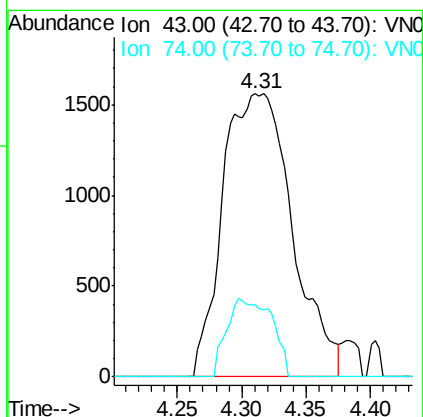
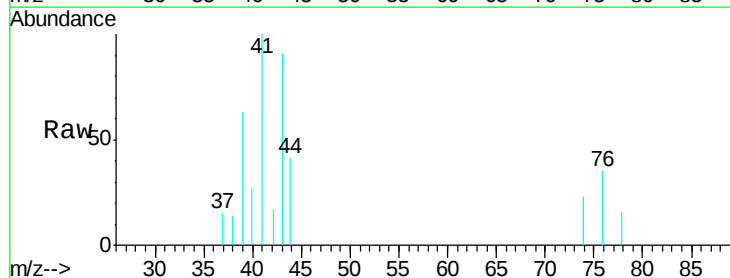
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

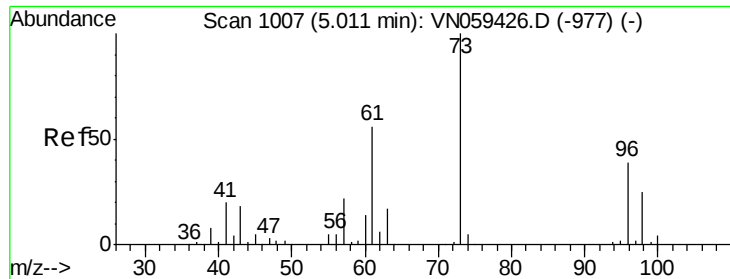
Tgt Ion: 76 Resp: 14694
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
74 17.9 18.6 28.0#

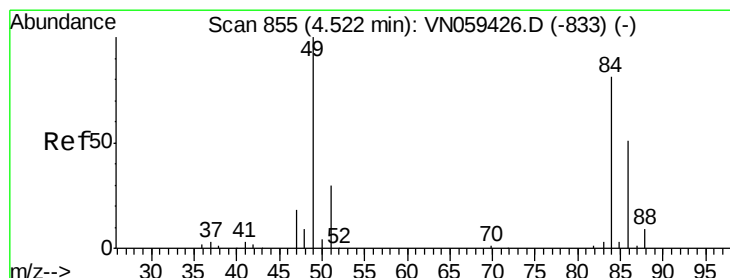
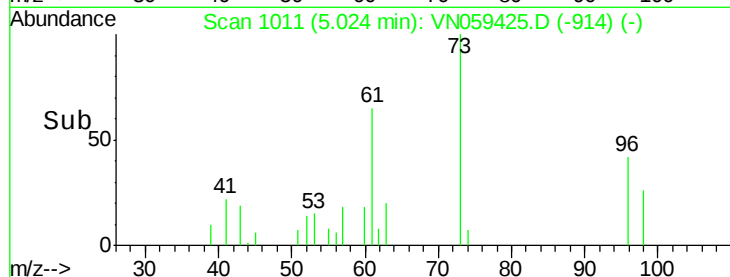
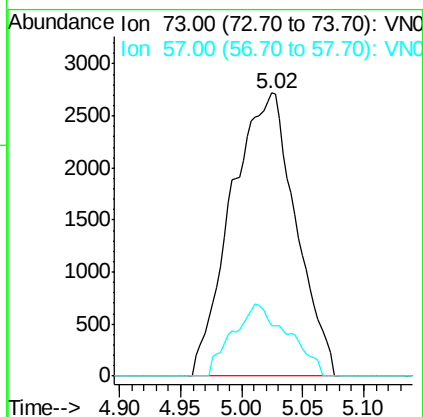
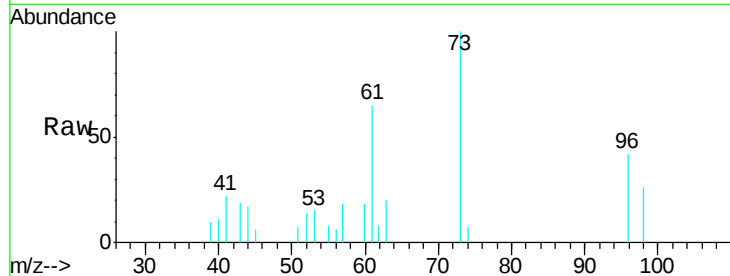




#19
Methyl tert-butyl Ether
Concen: 0.856 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

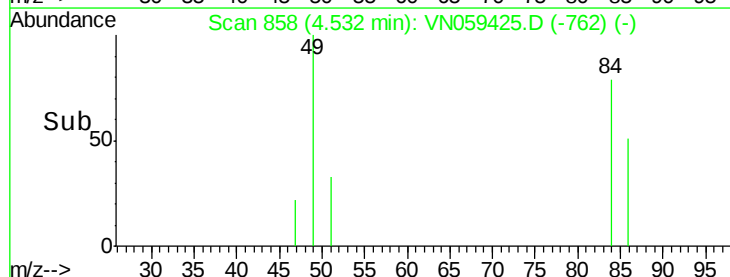
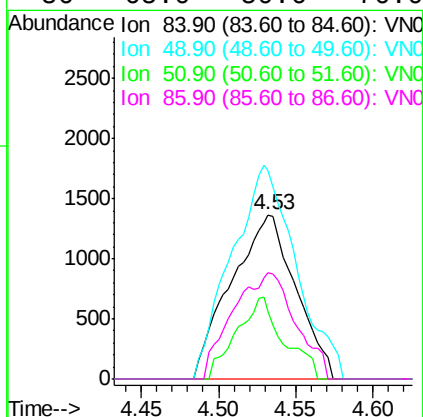
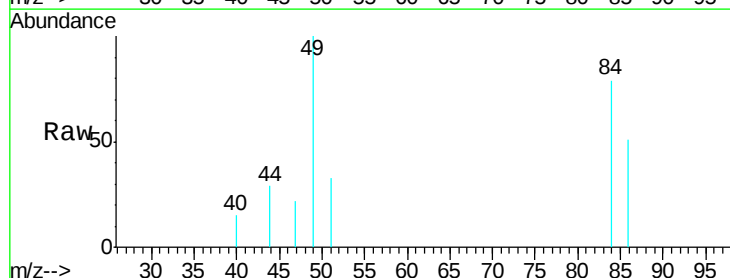
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

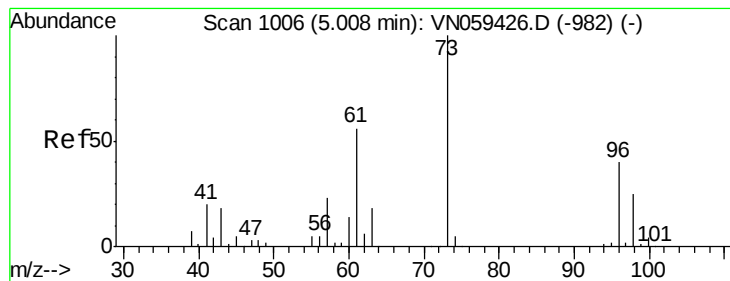
Tgt Ion: 73 Resp: 9954
Ion Ratio Lower Upper
73 100
57 17.6 17.7 26.5#



#20
Methylene Chloride
Concen: 0.961 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 84 Resp: 3961
Ion Ratio Lower Upper
84 100
49 127.0 98.6 148.0
51 41.6 29.4 44.0
86 65.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 0.943 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

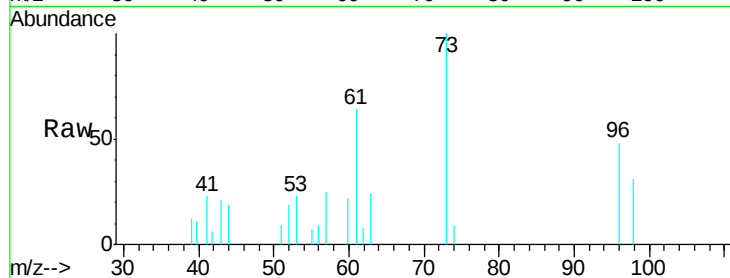
Tgt Ion: 96 Resp: 3707

Ion Ratio Lower Upper

96 100

61 132.9 114.0 171.0

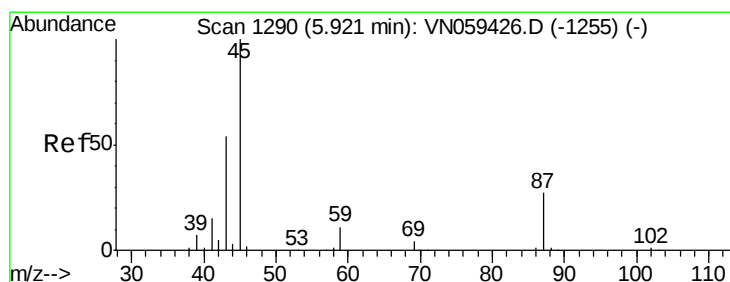
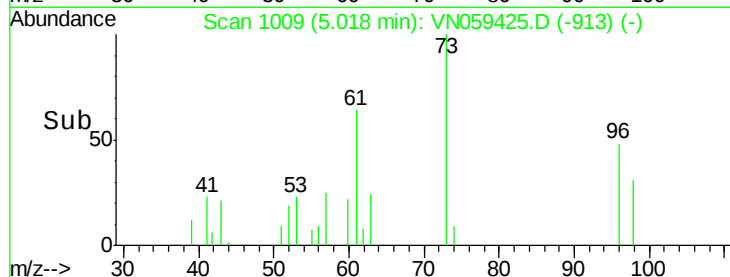
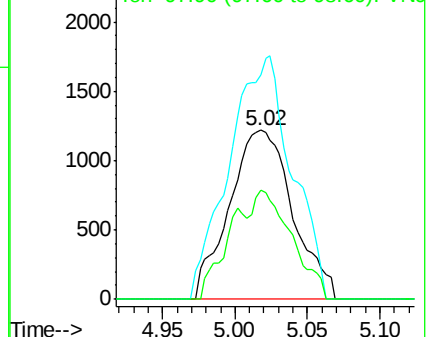
98 64.8 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VN059426.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VN059426.D (-982) (-)

Ion 97.90 (97.60 to 98.60): VN059426.D (-982) (-)



#22

Diisopropyl ether

Concen: 0.847 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Tgt Ion: 45 Resp: 10526

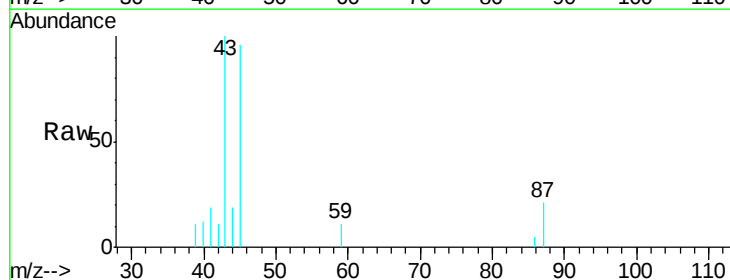
Ion Ratio Lower Upper

45 100

43 90.2 46.3 69.5#

87 21.7 21.8 32.6#

59 11.4 9.0 13.4

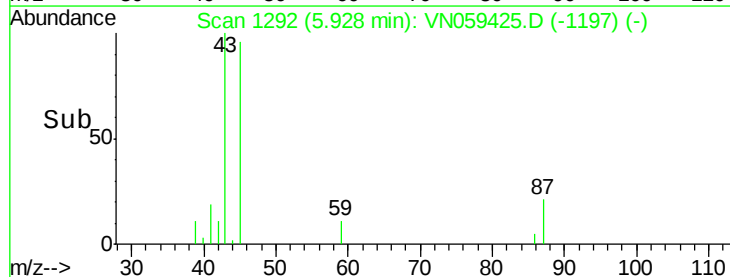
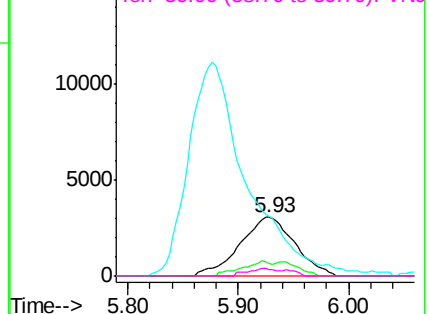


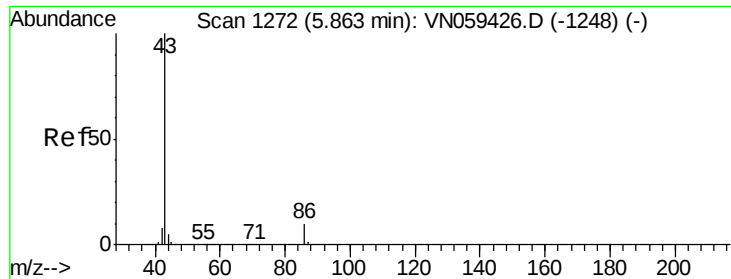
Abundance Ion 45.00 (44.70 to 45.70): VN059426.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN059426.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN059426.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN059426.D (-1255) (-)

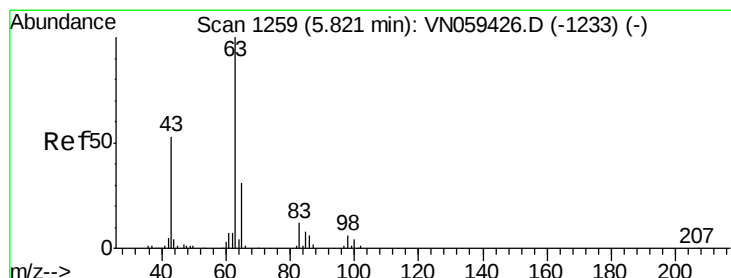
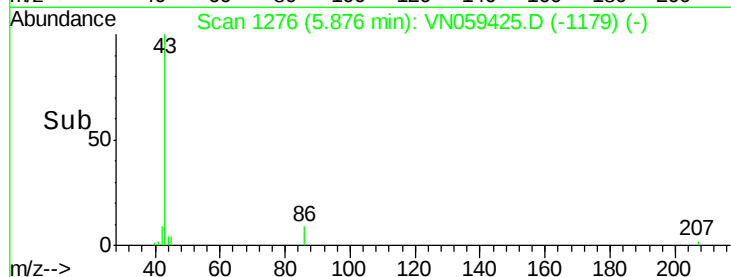
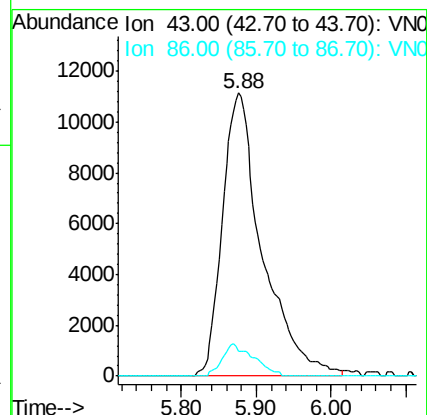
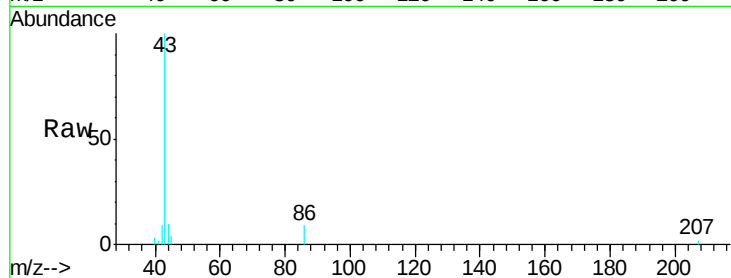




#23
 Vinyl Acetate
 Concen: 4.101 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

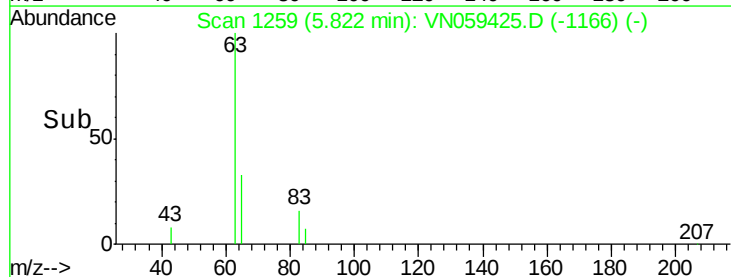
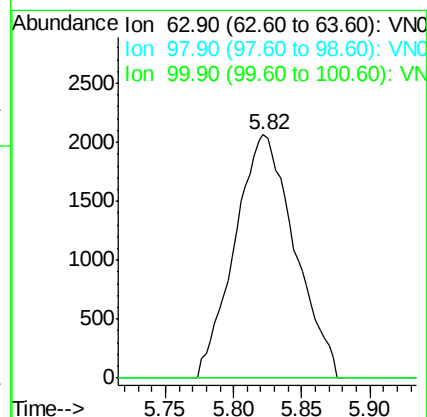
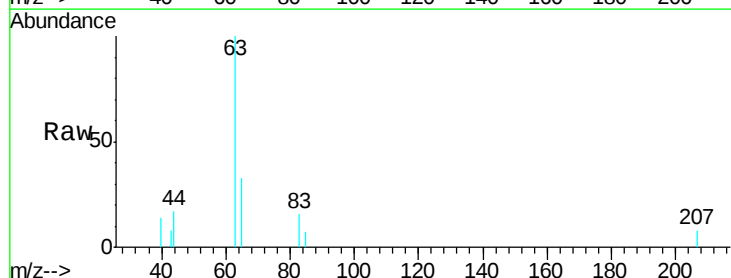
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

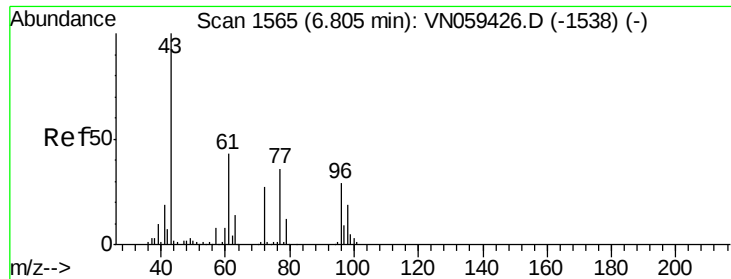
Tgt Ion: 43 Resp: 41142
 Ion Ratio Lower Upper
 43 100
 86 8.9 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 0.882 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 63 Resp: 6312
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.2 9.6#
 100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 4.007 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

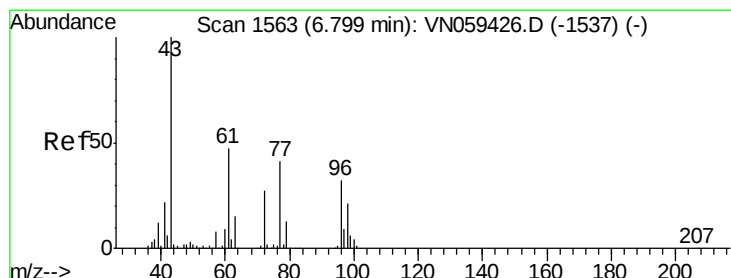
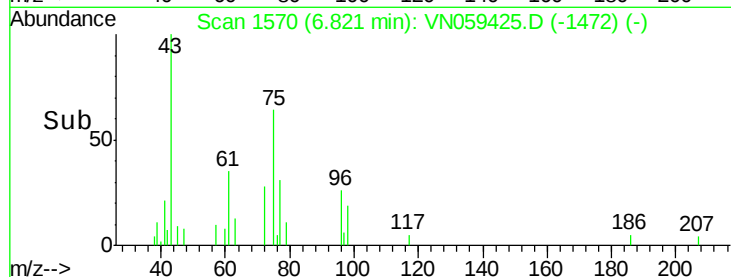
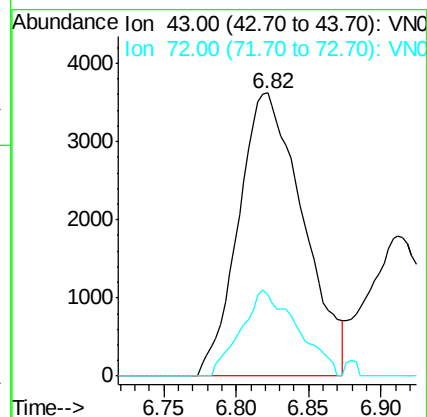
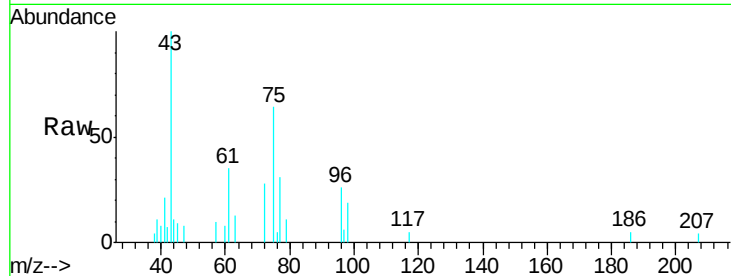
VSTDIC001

Tgt Ion: 43 Resp: 11181

Ion Ratio Lower Upper

43 100

72 28.5 21.4 32.2



#26

2,2-Dichloropropane

Concen: 0.931 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059425.D

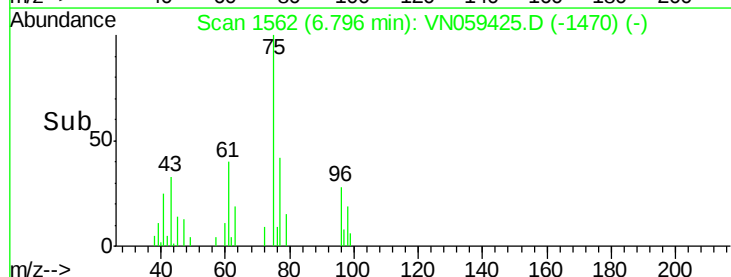
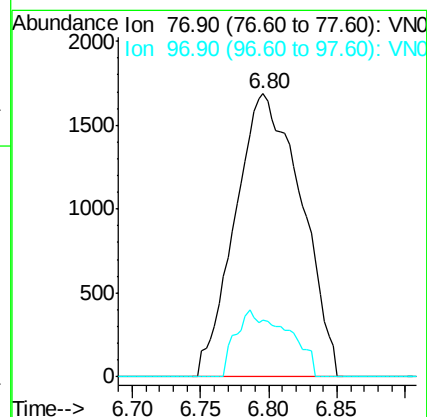
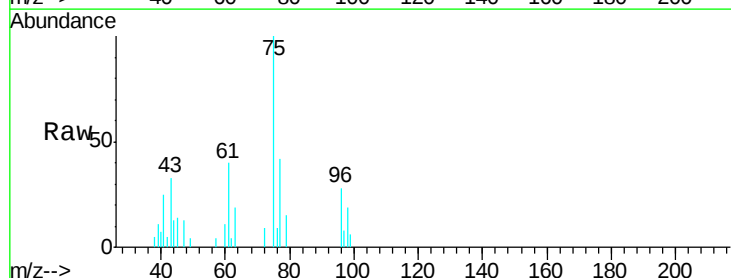
Acq: 27 Nov 2019 15:21

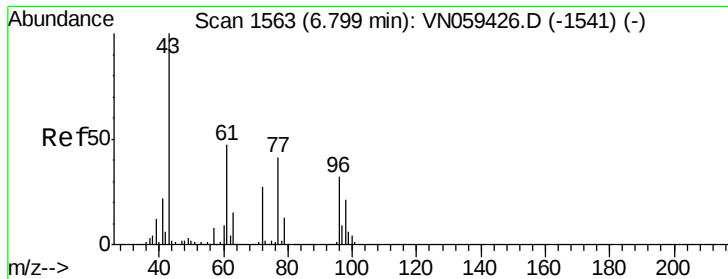
Tgt Ion: 77 Resp: 5670

Ion Ratio Lower Upper

77 100

97 18.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 0.903 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

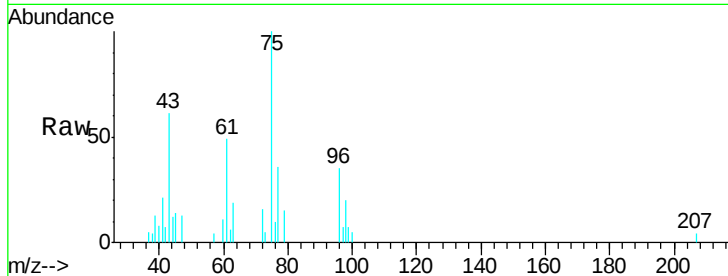
Tgt Ion: 96 Resp: 3881

Ion Ratio Lower Upper

96 100

61 145.0 0.0 297.6

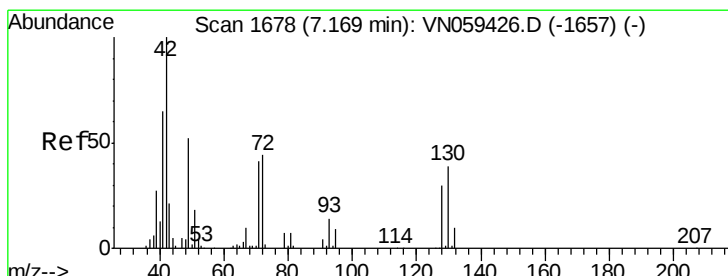
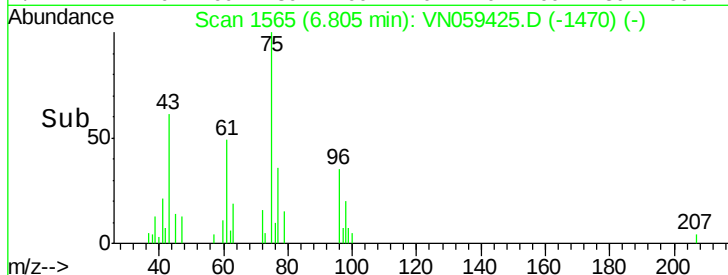
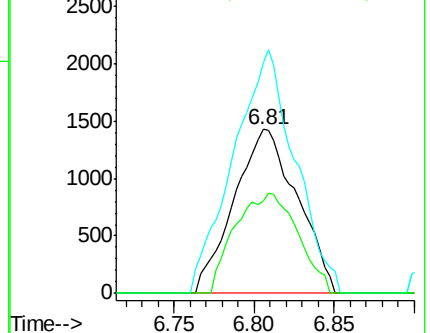
98 60.6 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.455 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

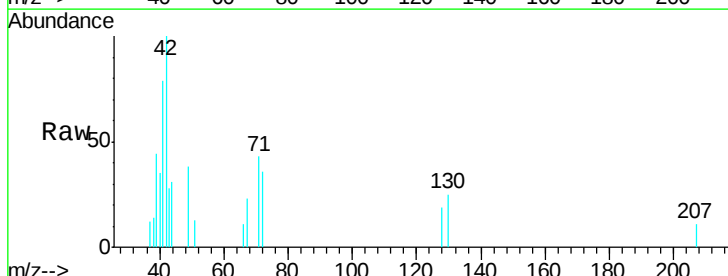
Tgt Ion: 49 Resp: 1125

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

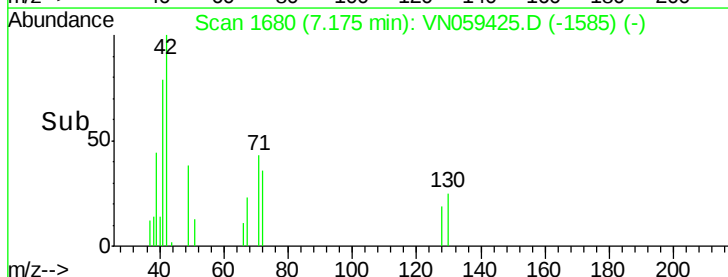
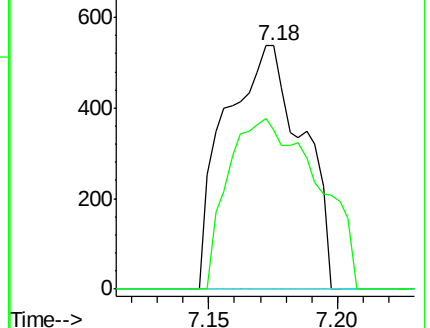
130 80.9 60.5 90.7

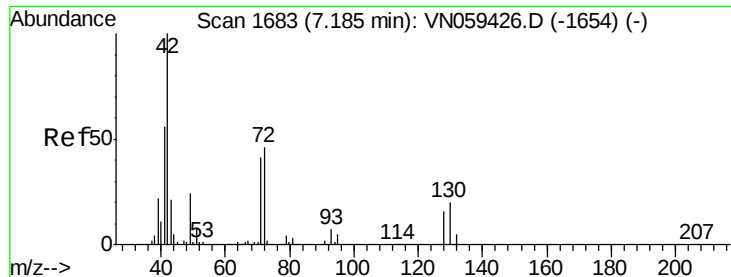


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

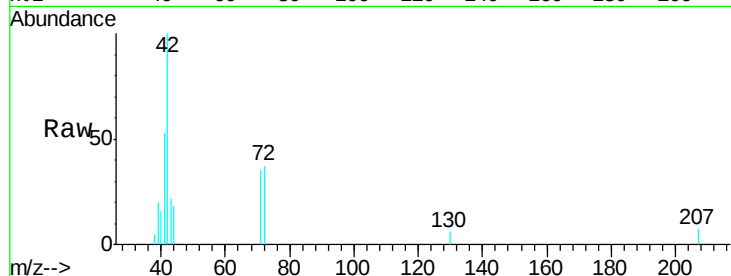




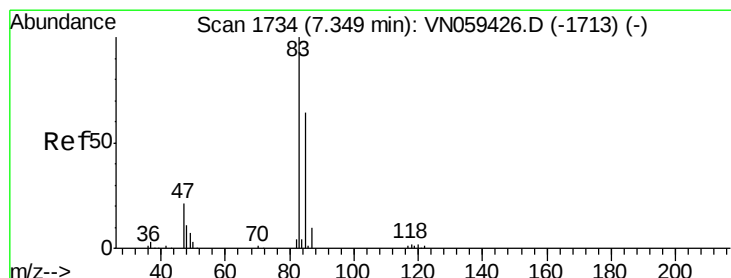
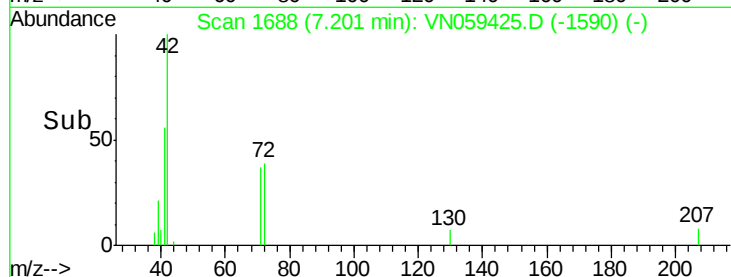
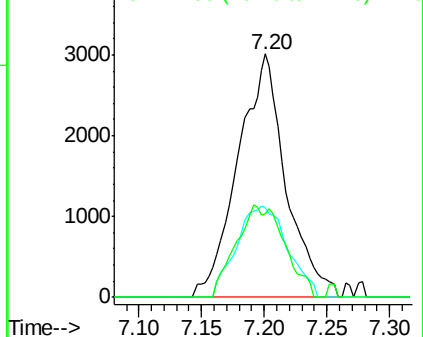
#29
Tetrahydrofuran
Concen: 4.312 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 8002
Ion Ratio Lower Upper
42 100
72 39.8 34.6 51.8
71 38.5 33.0 49.6

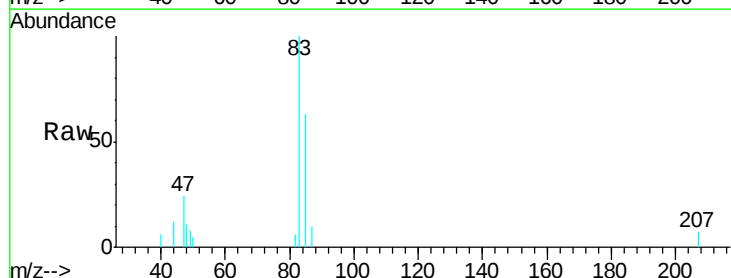


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

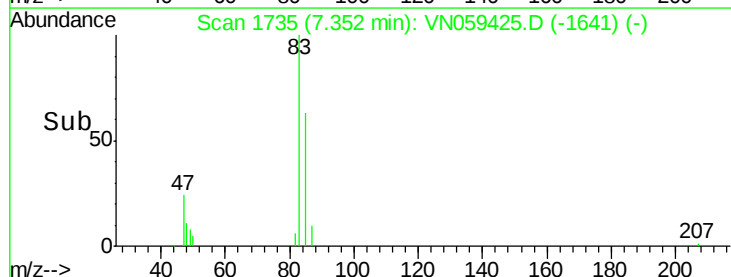
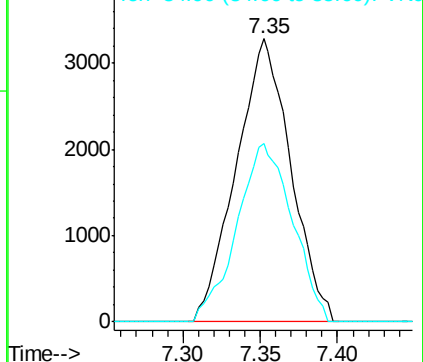


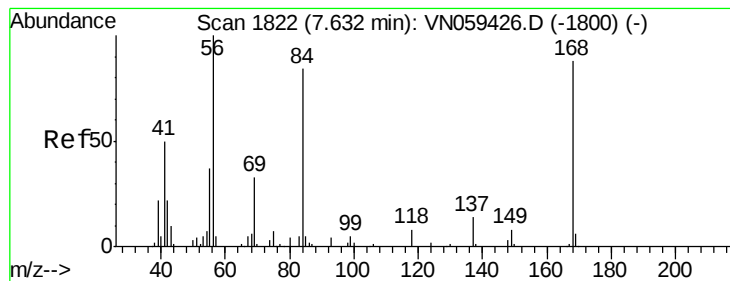
#30
Chloroform
Concen: 1.118 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 83 Resp: 8052
Ion Ratio Lower Upper
83 100
85 62.8 51.6 77.4



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





#31

Cyclohexane

Concen: 1.690 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

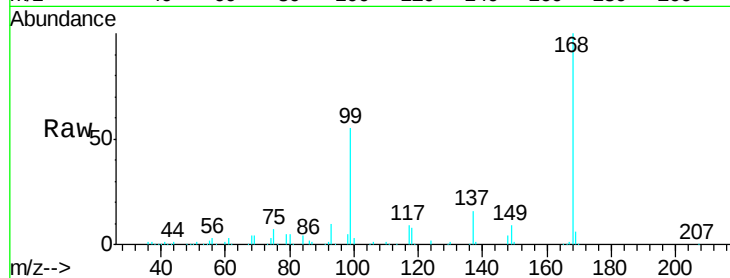
Tgt Ion: 56 Resp: 12121

Ion Ratio Lower Upper

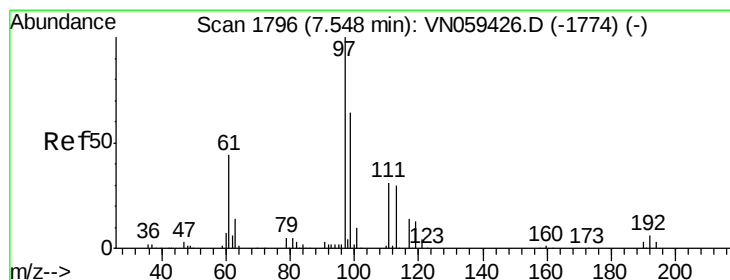
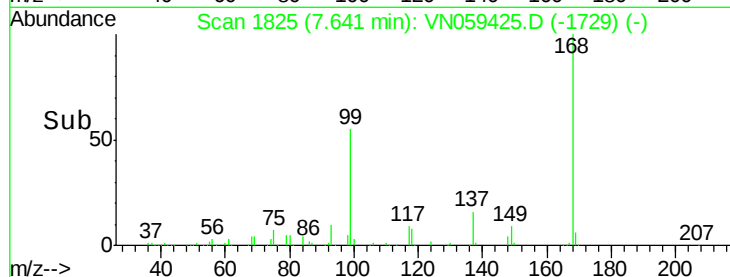
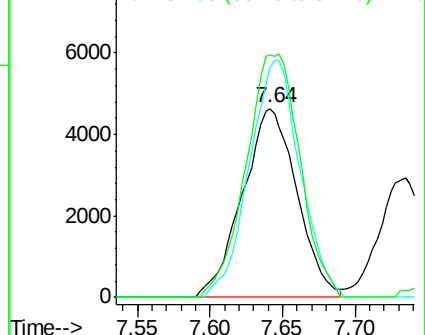
56 100

69 121.5 26.4 39.6#

84 128.4 67.0 100.6#



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



#32

1,1,1-Trichloroethane

Concen: 0.897 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

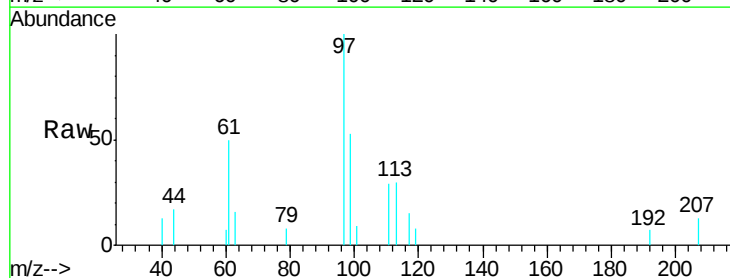
Tgt Ion: 97 Resp: 5281

Ion Ratio Lower Upper

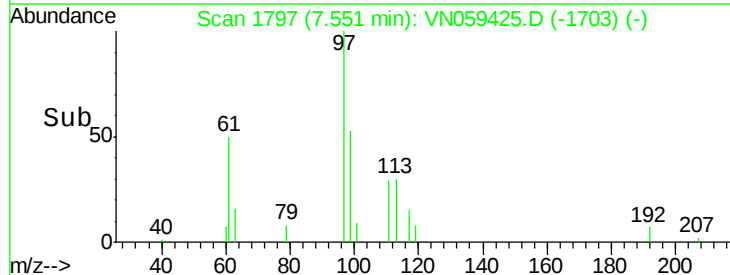
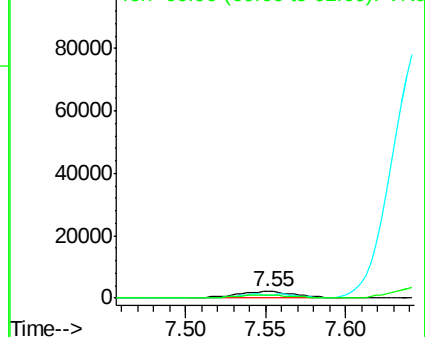
97 100

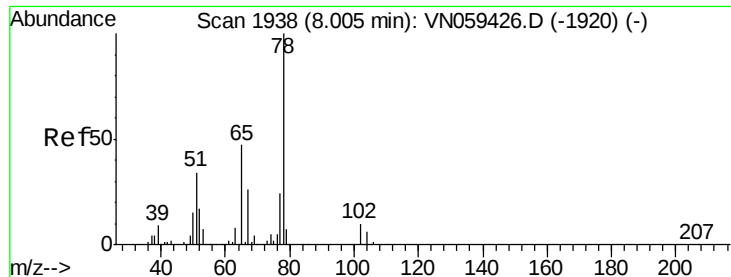
99 0.0 50.9 76.3#

61 48.2 34.3 51.5



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





#33

1,2-Dichloroethane-d4

Concen: 1.139 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

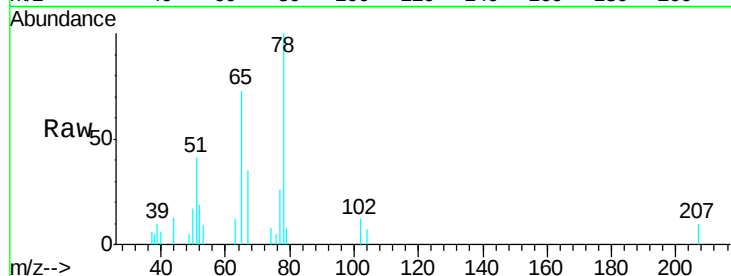
VSTDIC001

Tgt Ion: 65 Resp: 4850

Ion Ratio Lower Upper

65 100

67 51.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN059426.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059426.D (-1920) (-)

8.01

2500

2000

1500

1000

500

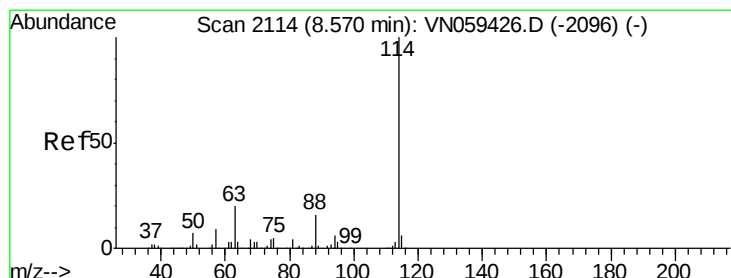
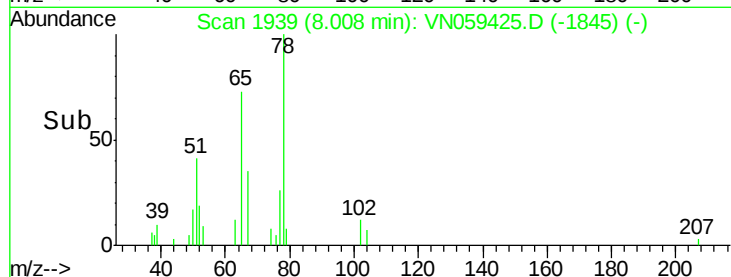
0

7.95

8.00

8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

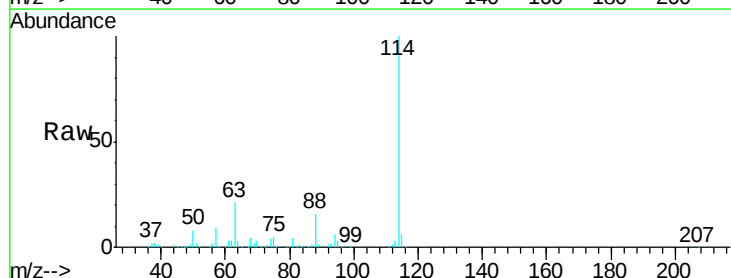
Tgt Ion: 114 Resp: 568854

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059426.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059426.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059426.D (-2096) (-)

8.57

300000

200000

100000

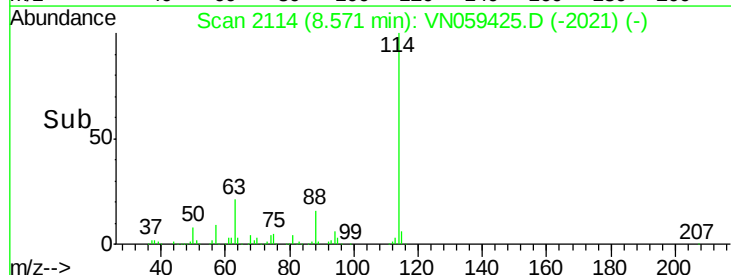
0

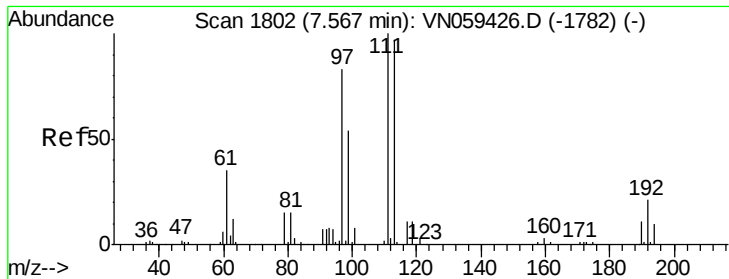
8.50

8.60

8.70

Time-->

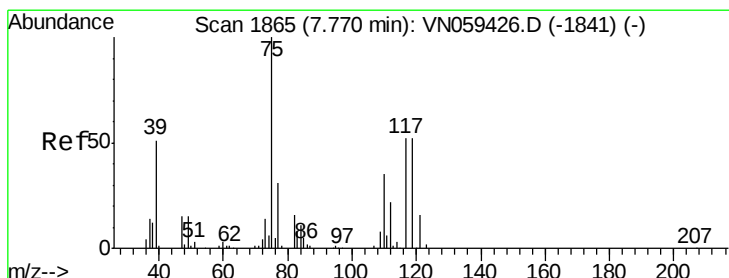
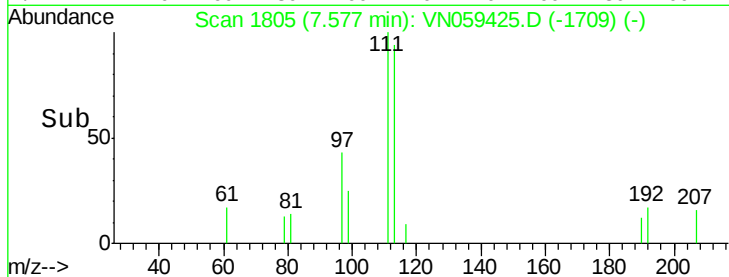
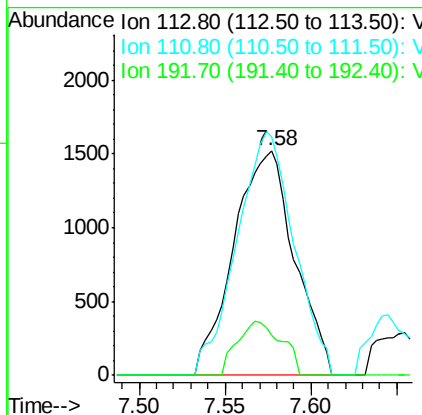
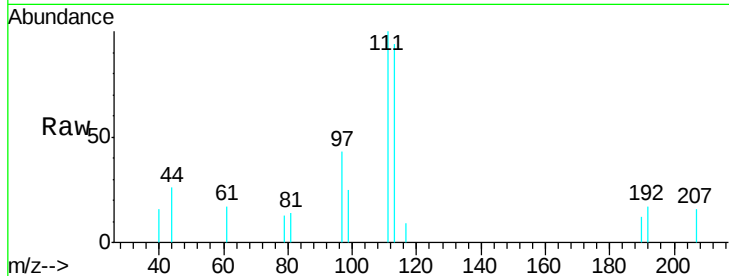




#35
 Dibromofluoromethane
 Concen: 1.079 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

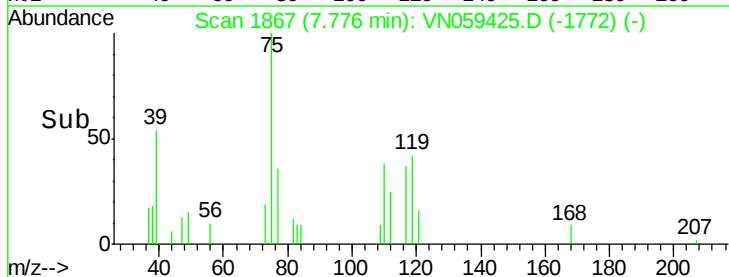
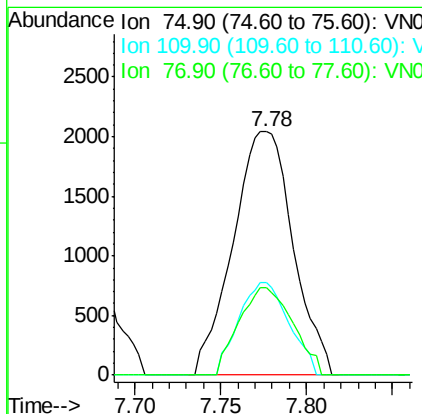
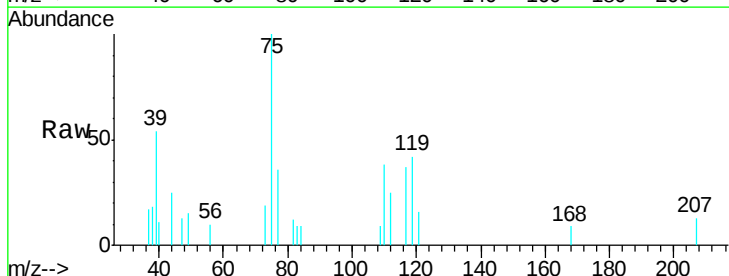
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

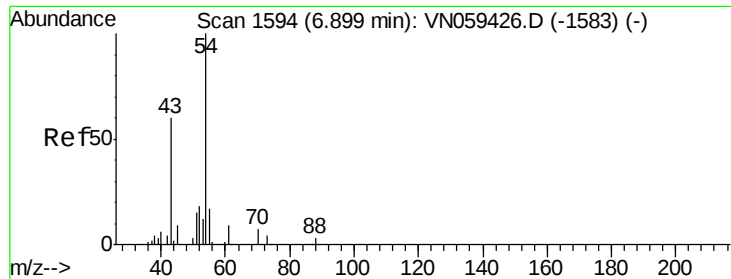
Tgt Ion: 113 Resp: 3737
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 17.6 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 0.907 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 75 Resp: 4959
 Ion Ratio Lower Upper
 75 100
 110 31.9 17.3 52.0
 77 32.2 24.9 37.3

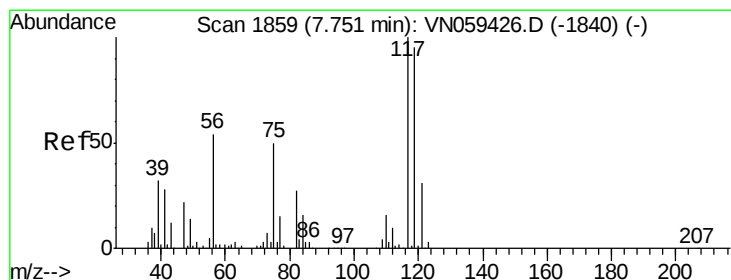
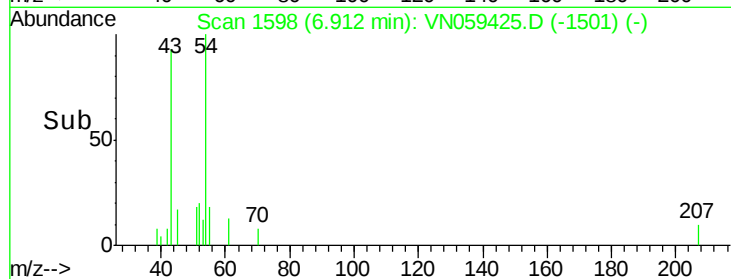
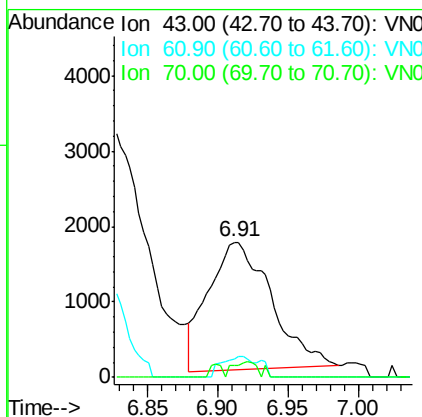
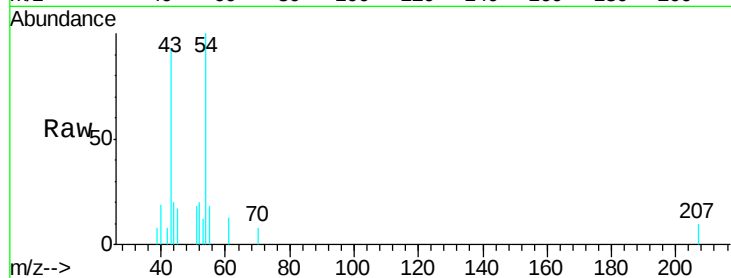




#37
Ethyl Acetate
Concen: 0.907 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

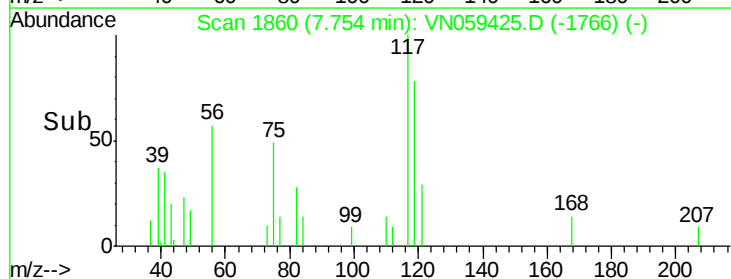
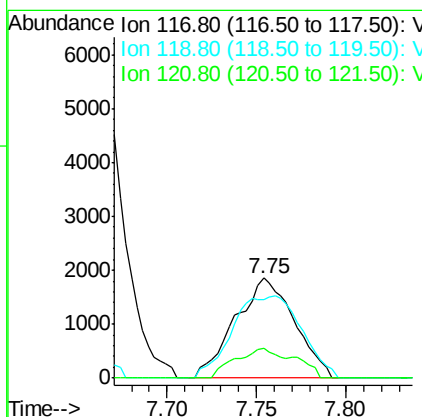
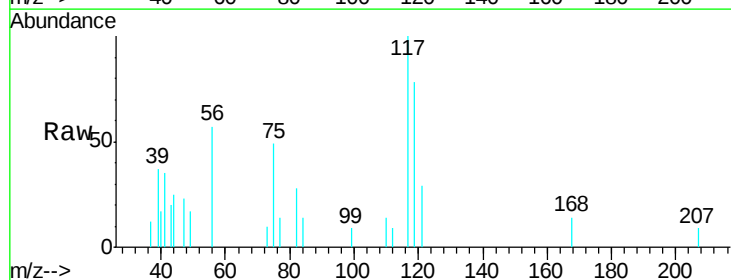
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

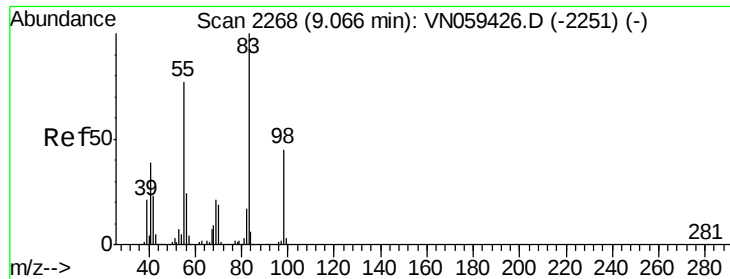
Tgt Ion: 43 Resp: 5248
Ion Ratio Lower Upper
43 100
61 9.8 12.2 18.2#
70 5.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 0.830 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 117 Resp: 4284
Ion Ratio Lower Upper
117 100
119 77.8 75.9 113.9
121 29.3 24.6 36.8





#39

Methylcyclohexane

Concen: 0.802 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

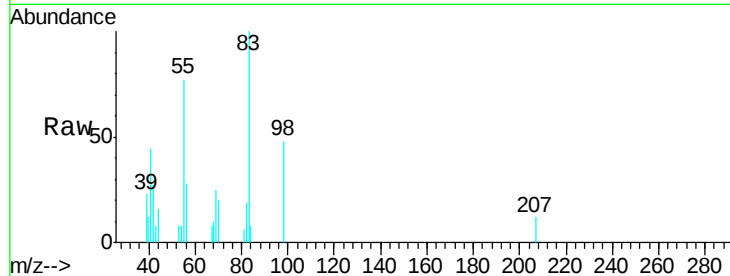
Tgt Ion: 83 Resp: 5246

Ion Ratio Lower Upper

83 100

55 76.8 61.6 92.4

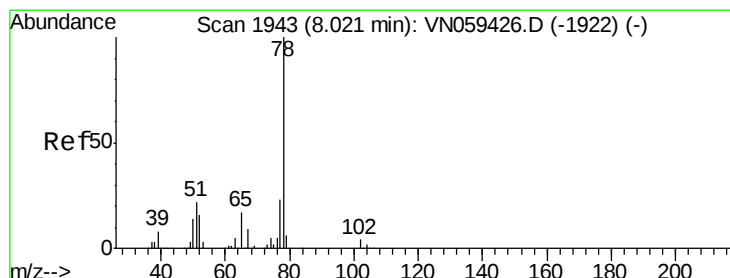
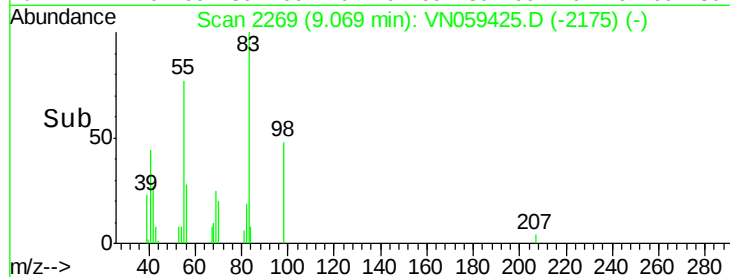
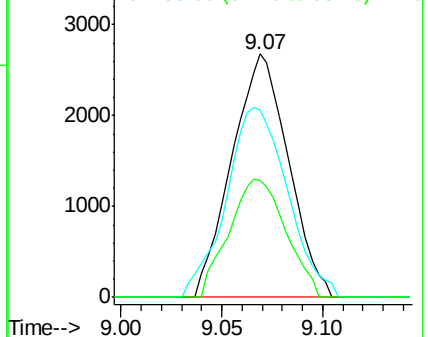
98 48.1 35.7 53.5



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: 0.910 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VN059425.D

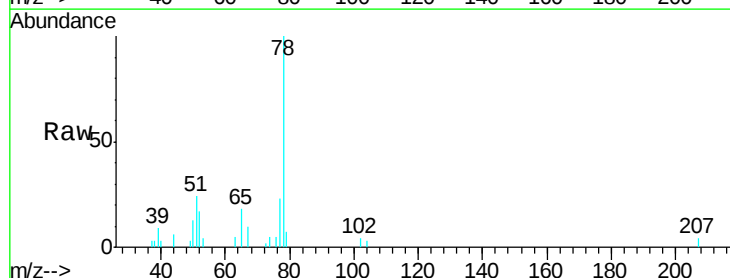
Acq: 27 Nov 2019 15:21

Tgt Ion: 78 Resp: 14784

Ion Ratio Lower Upper

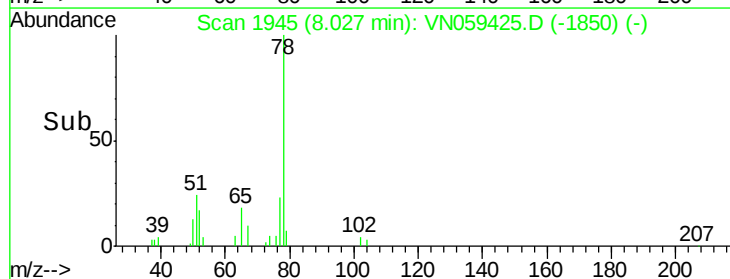
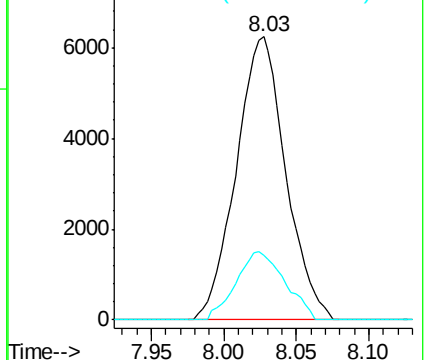
78 100

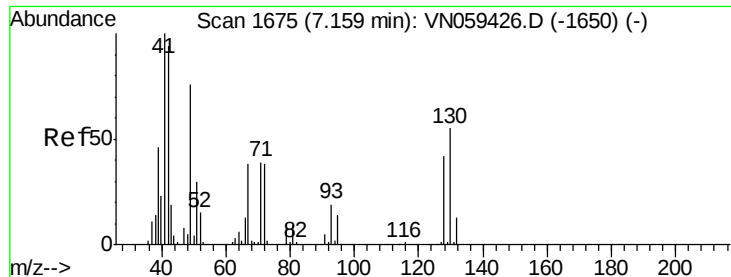
77 22.8 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

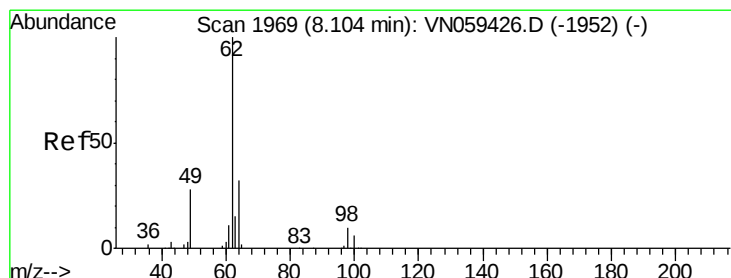
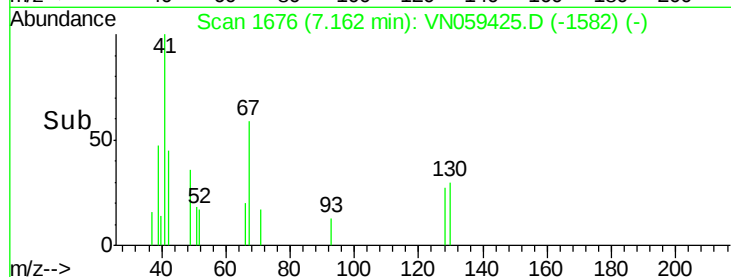
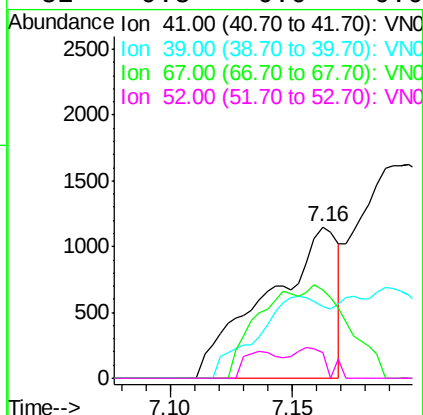
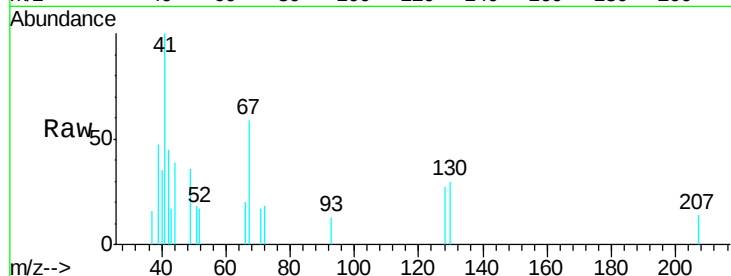




#41
Methacrylonitrile
Concen: 0.839 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

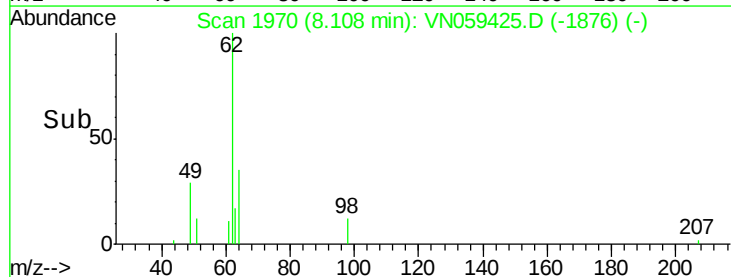
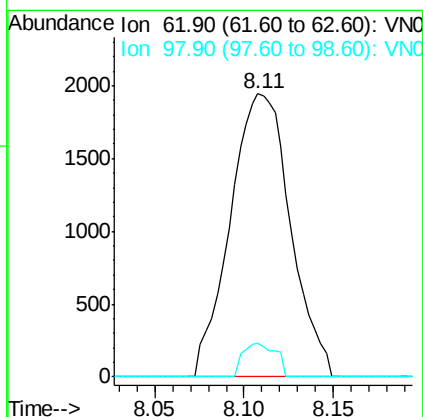
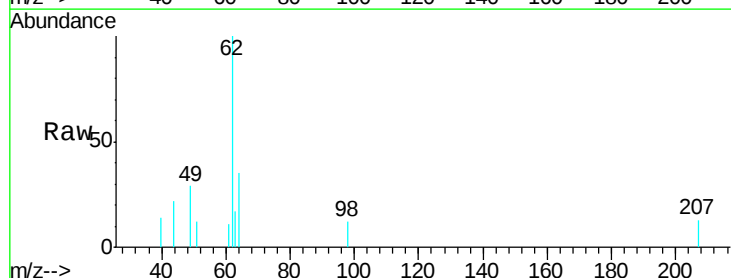
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

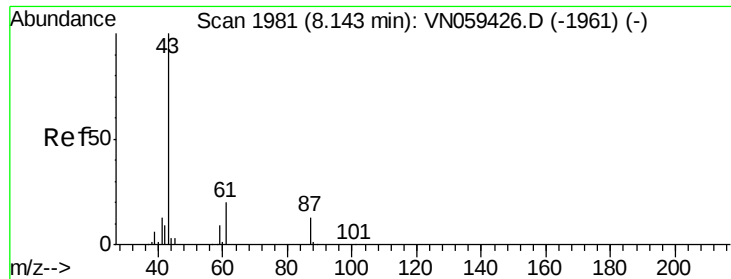
Tgt Ion: 41 Resp: 2292
Ion Ratio Lower Upper
41 100
39 53.8 0.0 0.0#
67 77.0 0.0 0.0#
52 9.8 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 0.886 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 62 Resp: 4564
Ion Ratio Lower Upper
62 100
98 6.5 0.0 19.0





#43

Isopropyl Acetate

Concen: 0.804 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

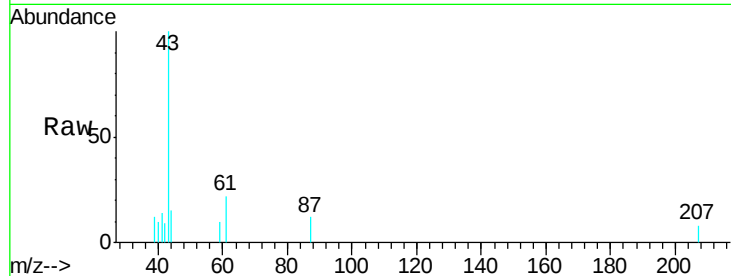
Tgt Ion: 43 Resp: 7073

Ion Ratio Lower Upper

43 100

61 24.5 22.2 33.2

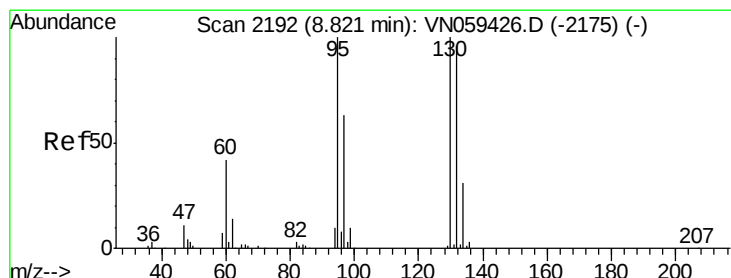
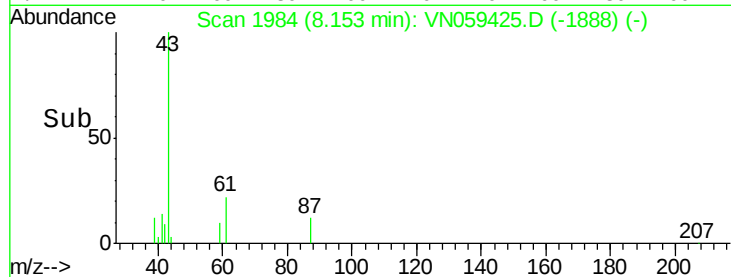
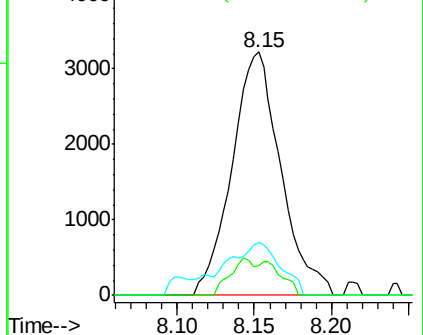
87 7.3 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059426.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059426.D (-1961) (-)



#44

Trichloroethene

Concen: 0.933 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN059425.D

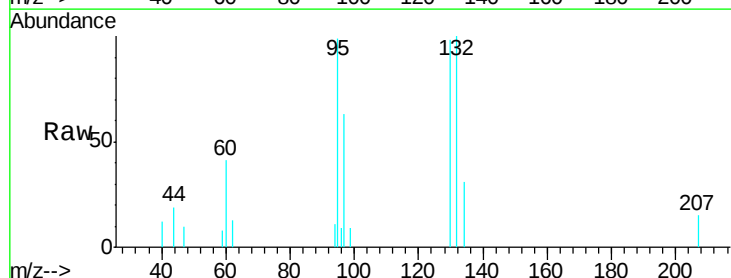
Acq: 27 Nov 2019 15:21

Tgt Ion: 130 Resp: 3862

Ion Ratio Lower Upper

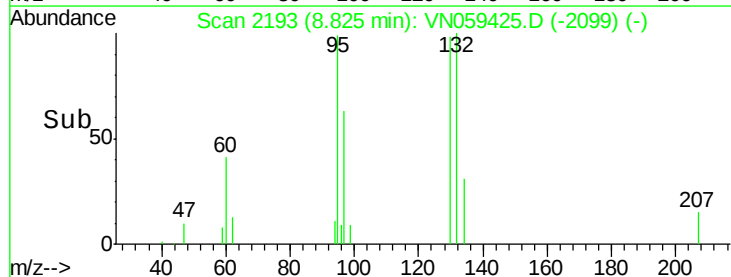
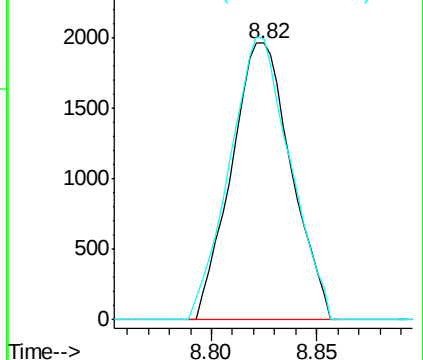
130 100

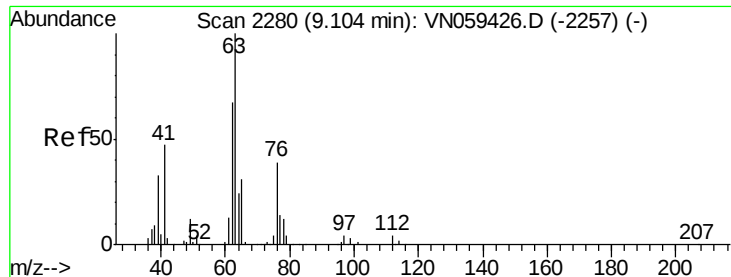
95 101.5 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): VN059426.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059426.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 0.868 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

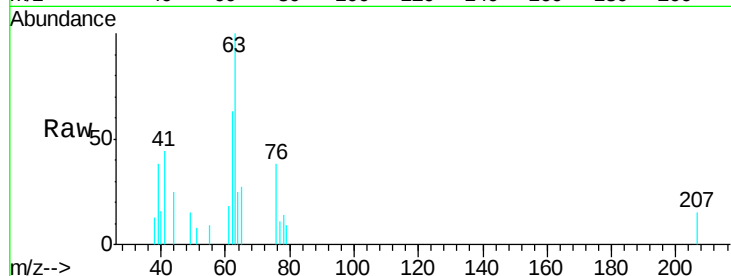
VSTDIC001

Tgt Ion: 63 Resp: 3686

Ion Ratio Lower Upper

63 100

65 27.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

2000

1500

1000

500

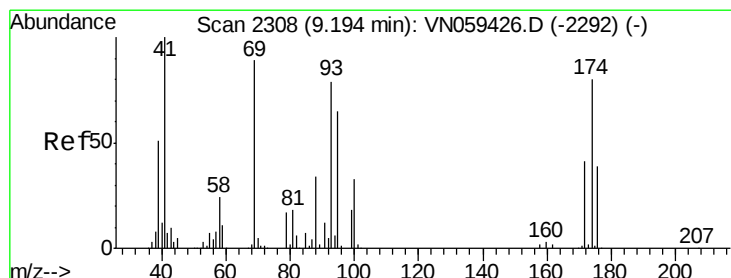
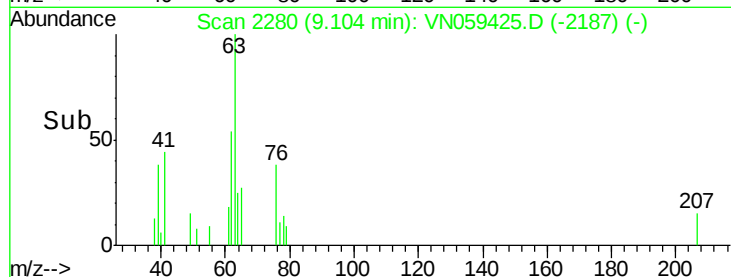
0

9.05

9.10

9.15

Time-->



#46

Dibromomethane

Concen: 0.857 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

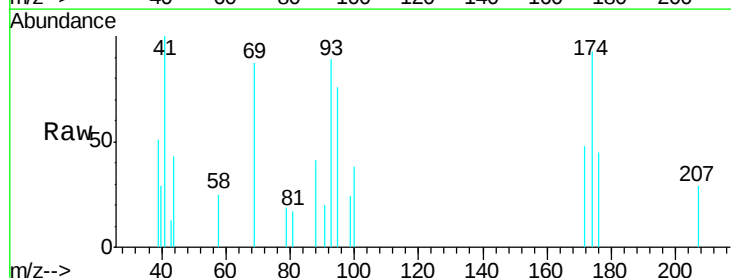
Tgt Ion: 93 Resp: 2248

Ion Ratio Lower Upper

93 100

95 87.2 66.2 99.4

174 107.4 81.8 122.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

1500

1000

500

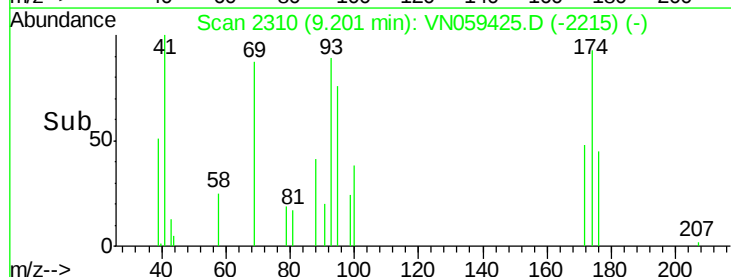
0

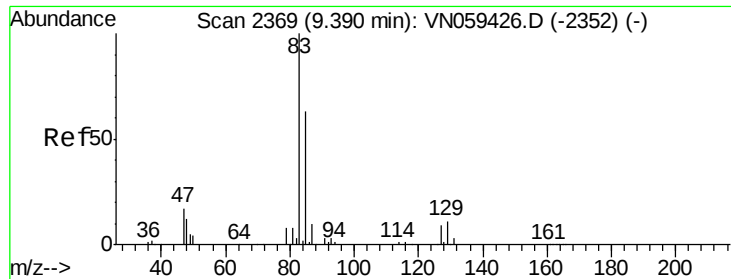
9.15

9.20

9.25

Time-->





#47

Bromodichloromethane

Concen: 0.905 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

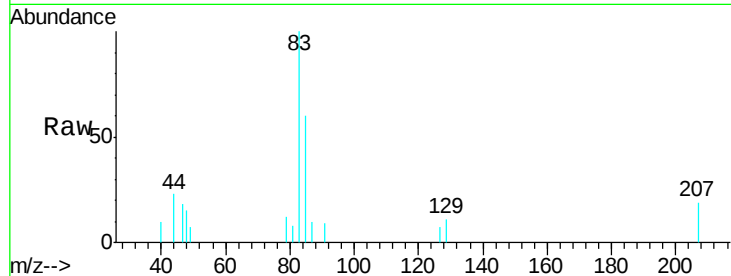
Tgt Ion: 83 Resp: 4798

Ion Ratio Lower Upper

83 100

85 59.7 50.6 75.8

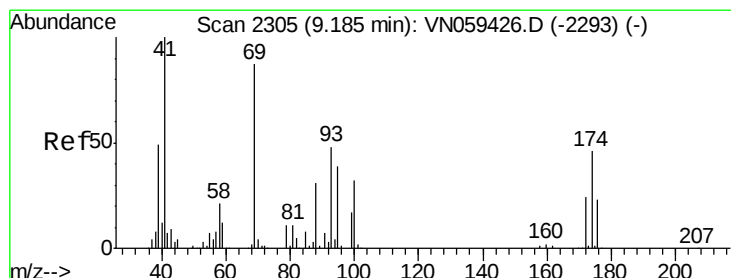
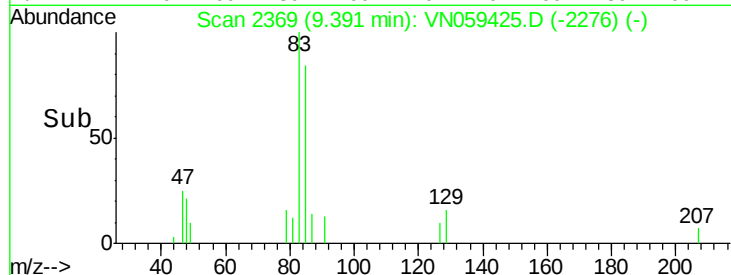
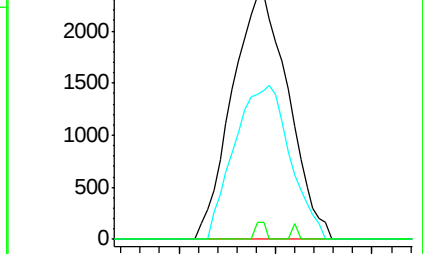
127 7.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059425.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059425.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059425.D (-2276) (-)



#48

Methyl methacrylate

Concen: 0.848 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

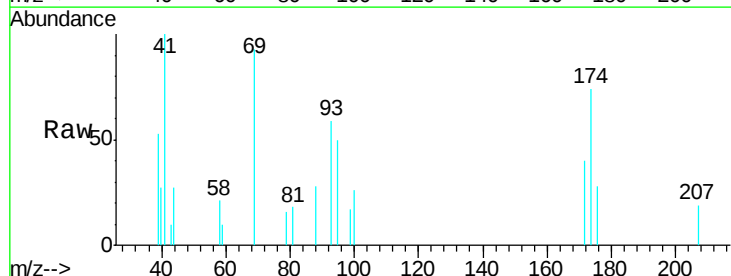
Tgt Ion: 41 Resp: 3308

Ion Ratio Lower Upper

41 100

69 77.1 71.6 107.4

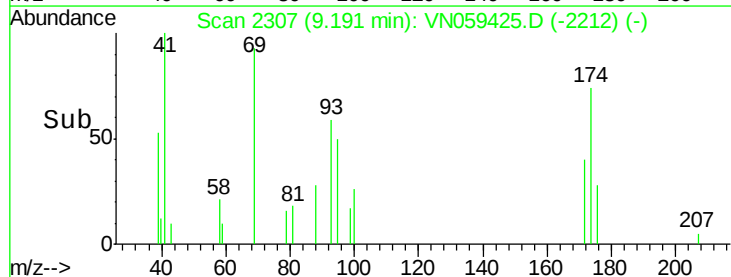
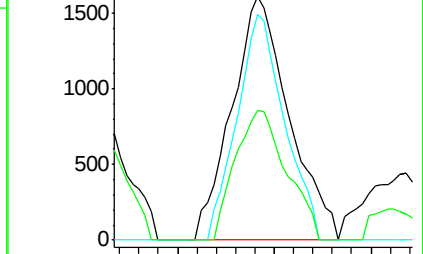
39 47.7 41.3 61.9

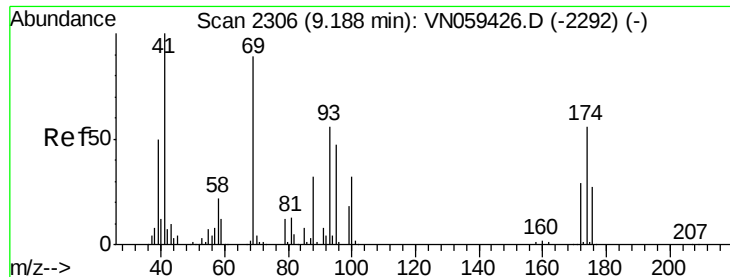


Abundance Ion 41.00 (40.70 to 41.70): VN059425.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059425.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059425.D (-2212) (-)

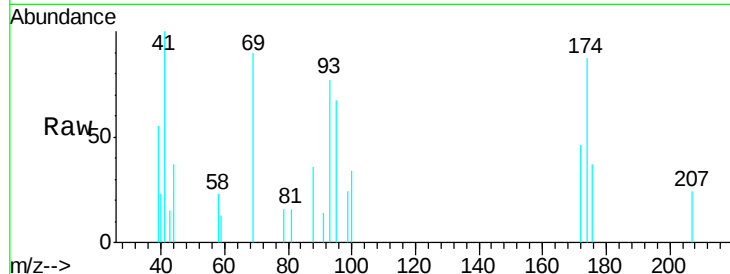




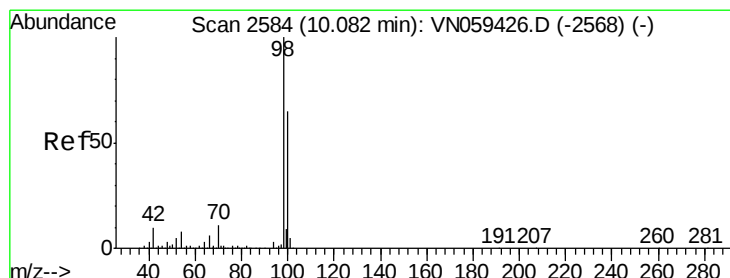
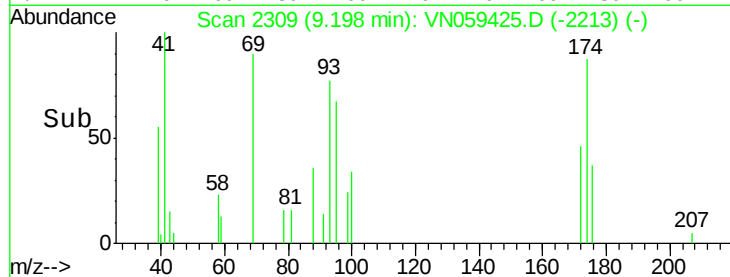
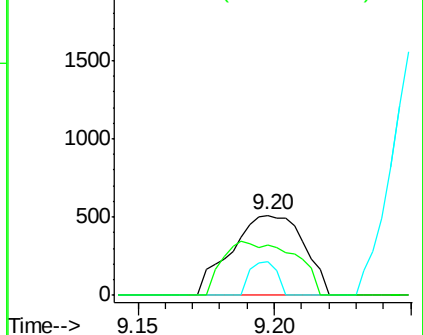
#49
1,4-Dioxane
Concen: 16.534 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 88 Resp: 942
Ion Ratio Lower Upper
88 100
43 0.0 23.7 35.5#
58 67.0 56.3 84.5

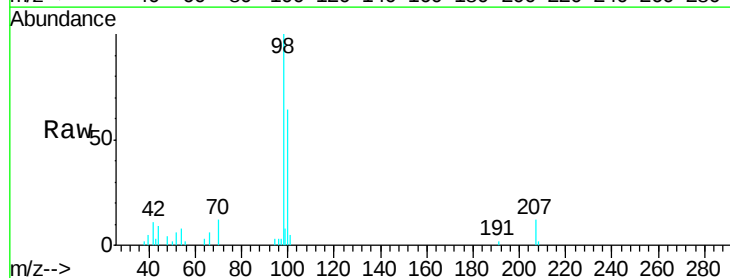


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

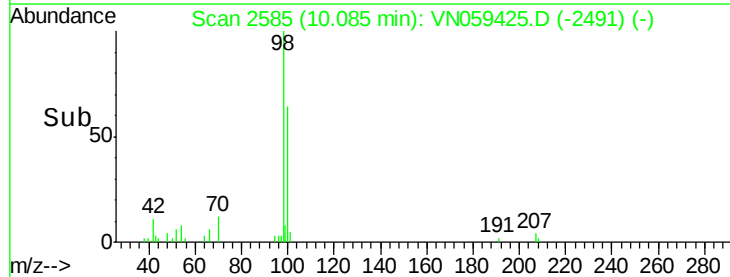
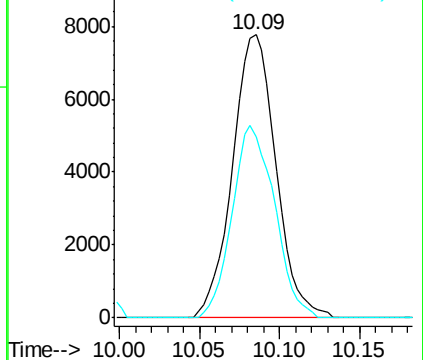


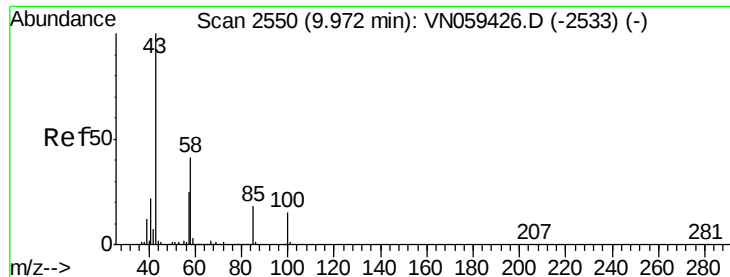
#50
Toluene-d8
Concen: 1.041 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 98 Resp: 14373
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 4.011 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

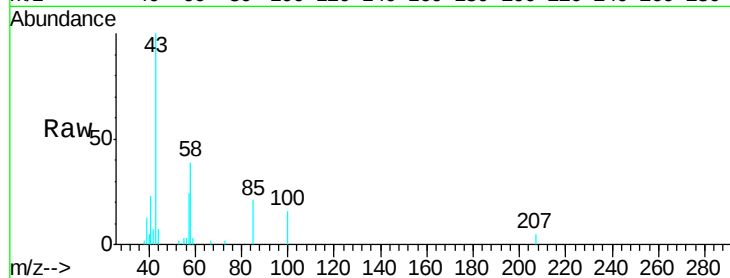
VSTDIC001

Tgt Ion: 43 Resp: 20455

Ion Ratio Lower Upper

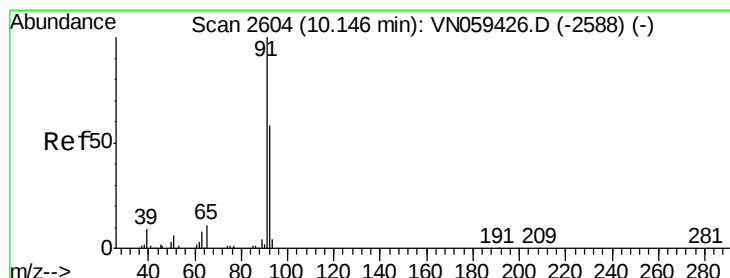
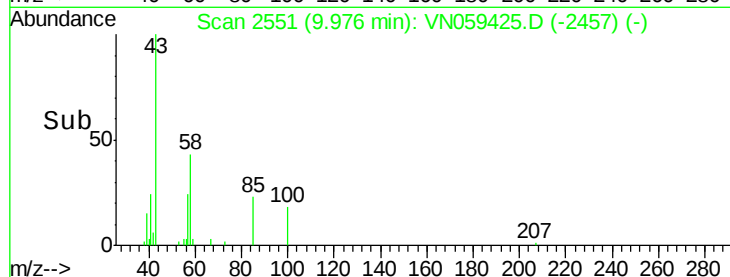
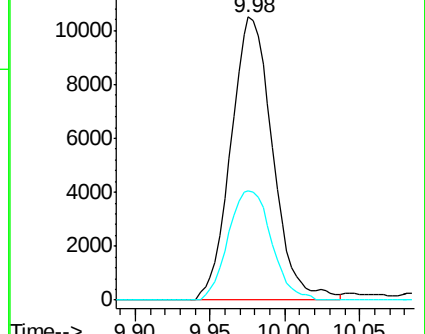
43 100

58 39.9 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.882 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059425.D

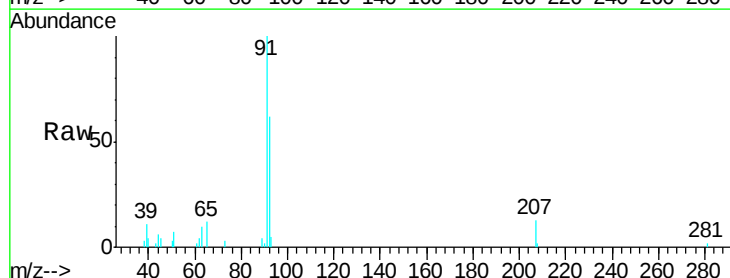
Acq: 27 Nov 2019 15:21

Tgt Ion: 92 Resp: 8559

Ion Ratio Lower Upper

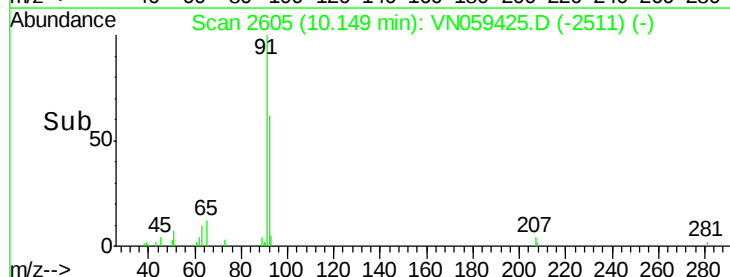
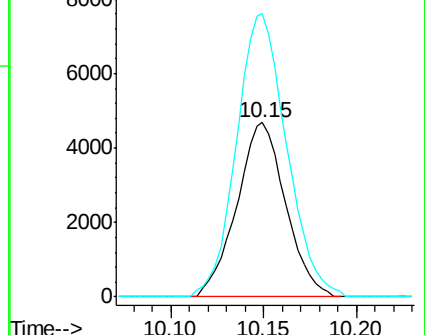
92 100

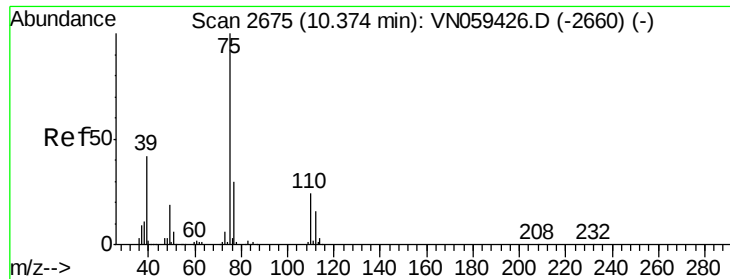
91 166.8 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.837 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

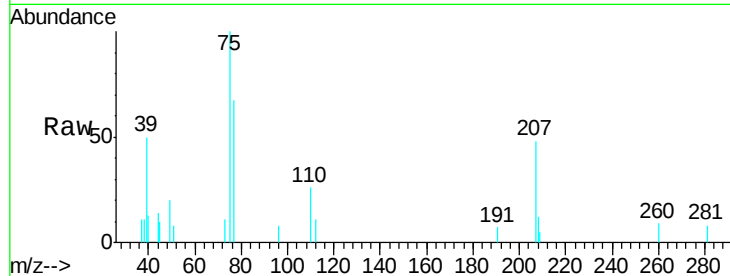
VSTDIC001

Tgt Ion: 75 Resp: 5097

Ion Ratio Lower Upper

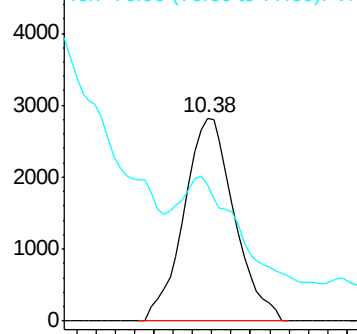
75 100

77 44.8 25.5 38.3#

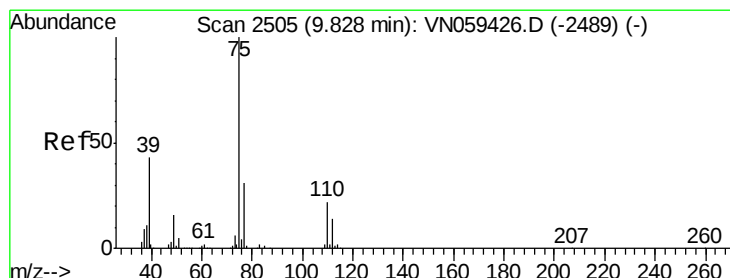
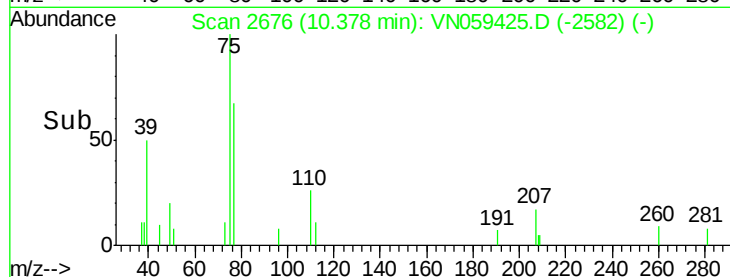


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.785 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.01 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

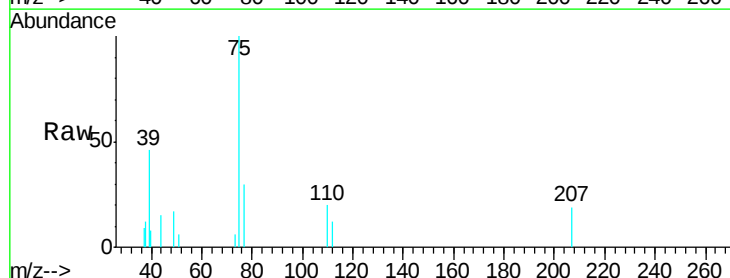
Tgt Ion: 75 Resp: 5163

Ion Ratio Lower Upper

75 100

77 30.2 25.1 37.7

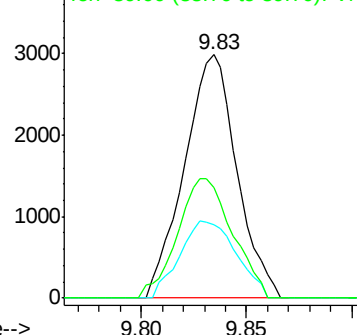
39 45.6 34.0 51.0



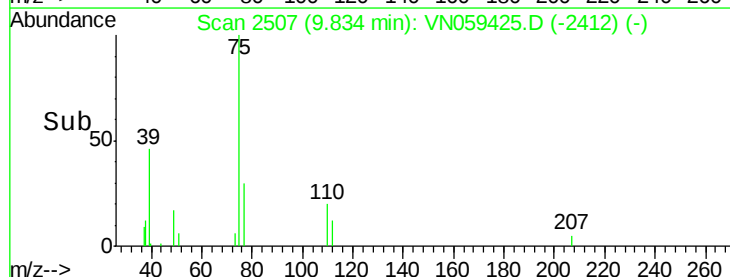
Abundance Ion 74.90 (74.60 to 75.60): VN0

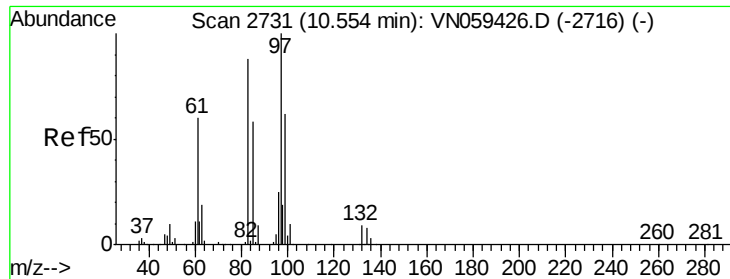
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

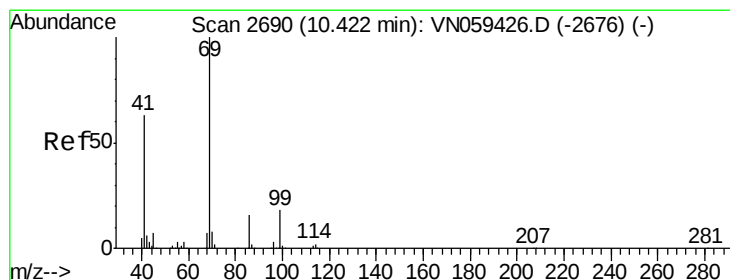
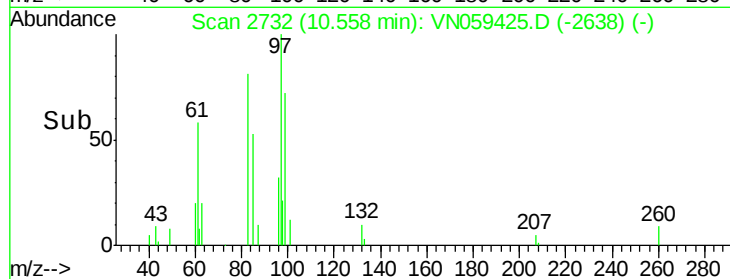
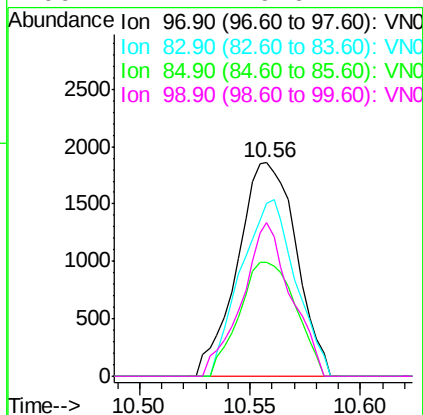
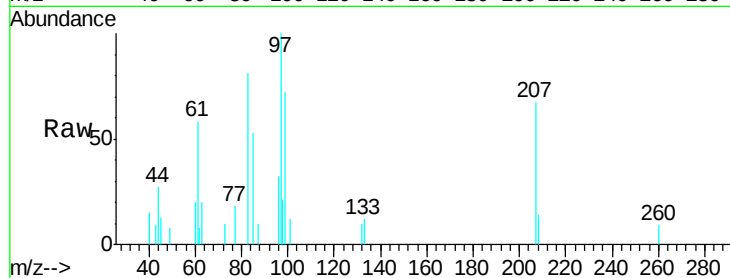




#55
 1,1,2-Trichloroethane
 Concen: 0.907 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

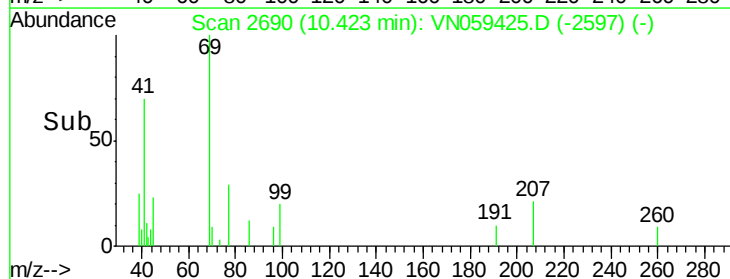
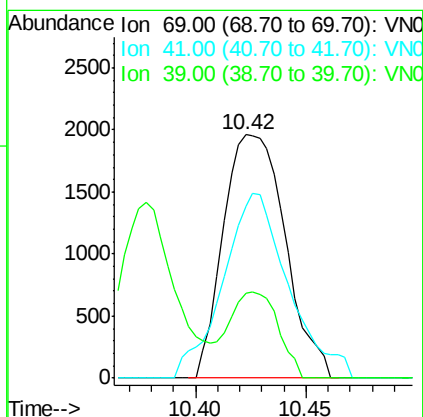
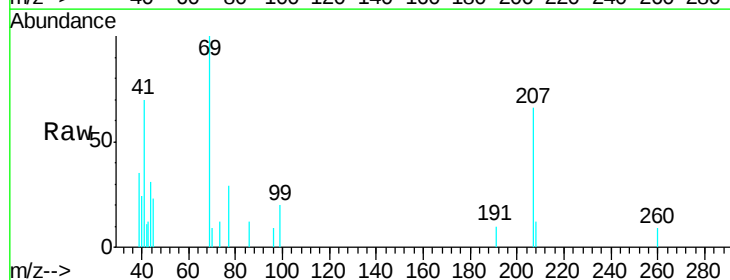
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

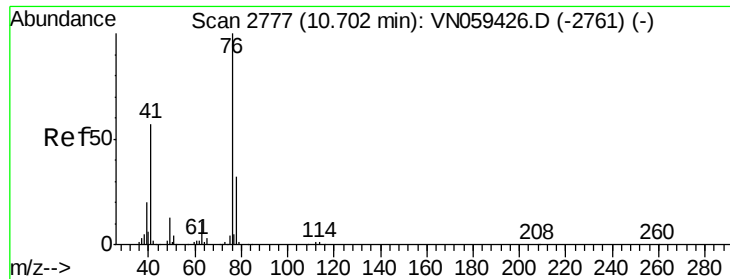
Tgt Ion: 97 Resp: 3443
 Ion Ratio Lower Upper
 97 100
 83 81.2 70.7 106.1
 85 53.1 46.4 69.6
 99 72.1 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 0.690 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 69 Resp: 3820
 Ion Ratio Lower Upper
 69 100
 41 80.3 50.1 75.1#
 39 28.8 23.9 35.9





#57

1,3-Dichloropropane

Concen: 0.864 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

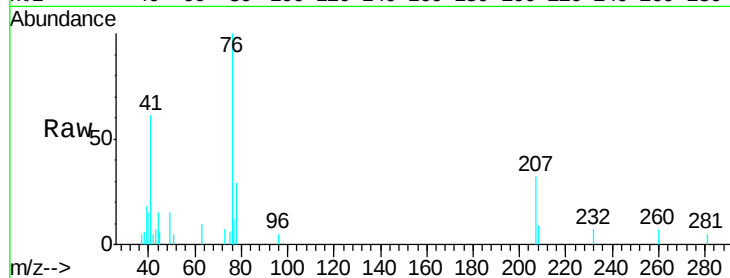
VSTDIC001

Tgt Ion: 76 Resp: 5670

Ion Ratio Lower Upper

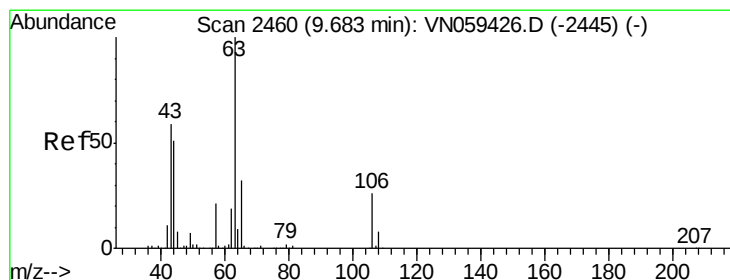
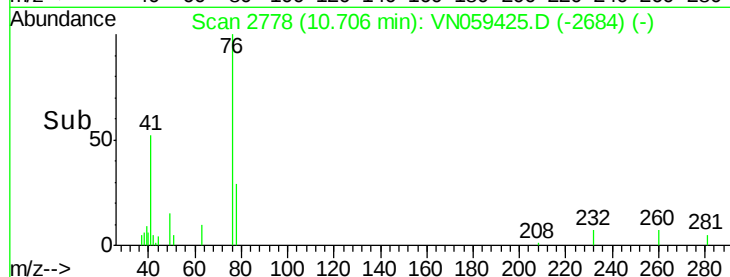
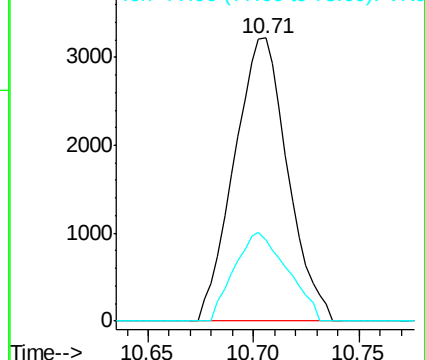
76 100

78 31.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.221 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.01 min

Lab File: VN059425.D

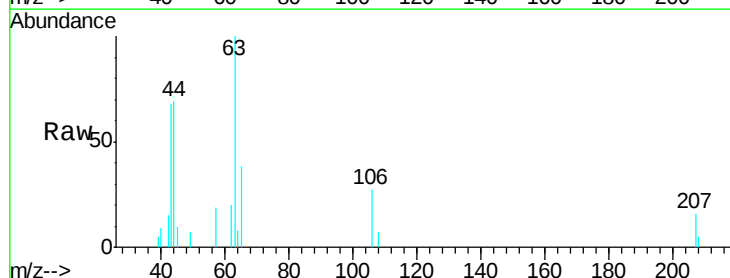
Acq: 27 Nov 2019 15:21

Tgt Ion: 63 Resp: 5242

Ion Ratio Lower Upper

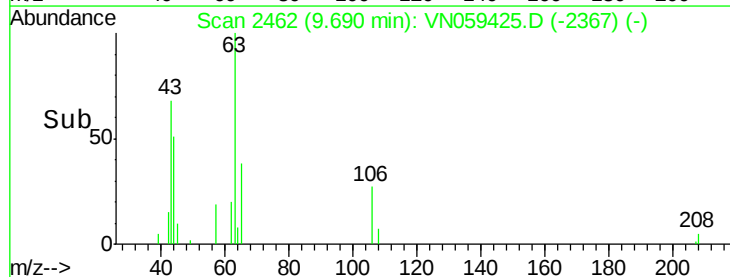
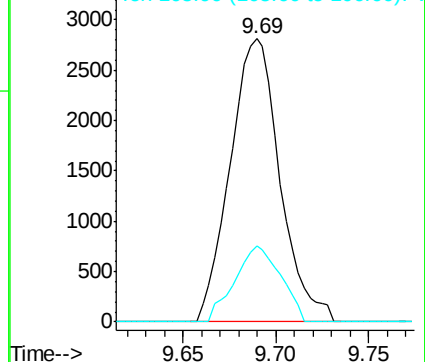
63 100

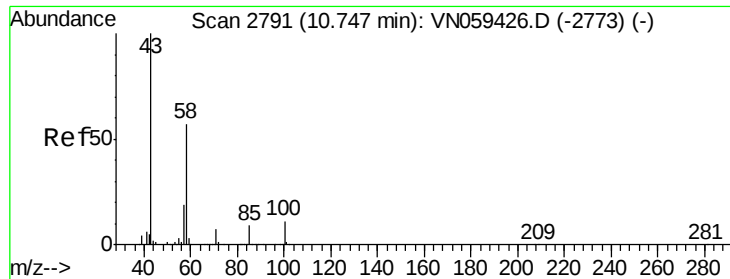
106 24.8 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

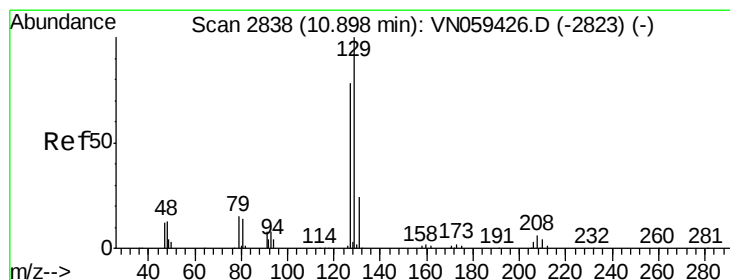
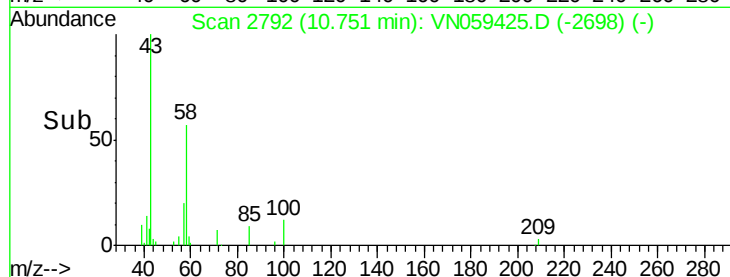
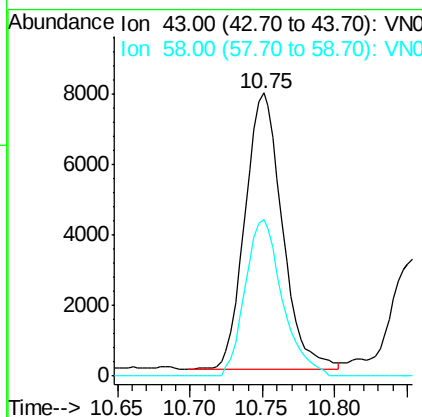
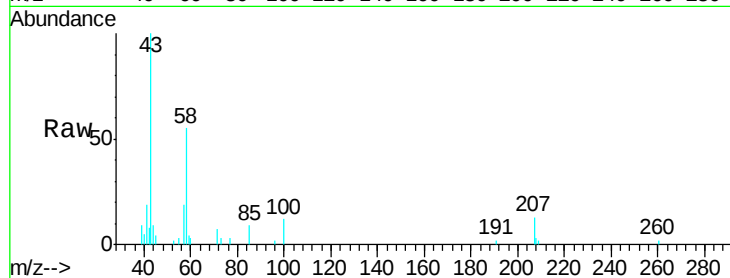




#59
2-Hexanone
Concen: 3.736 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

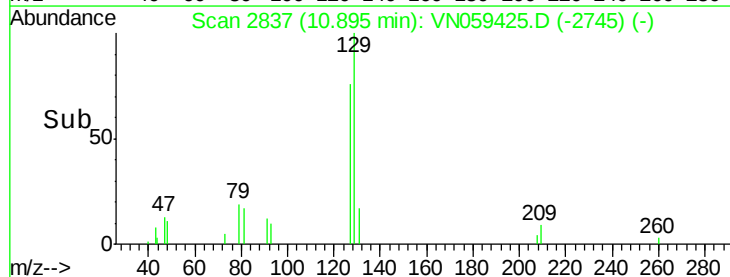
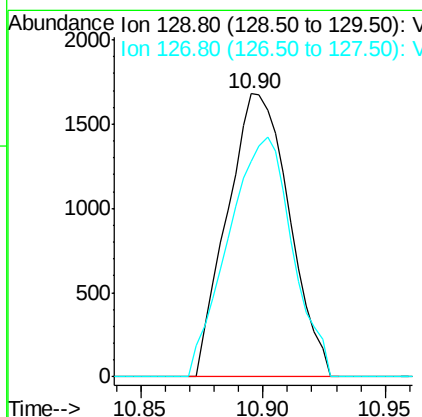
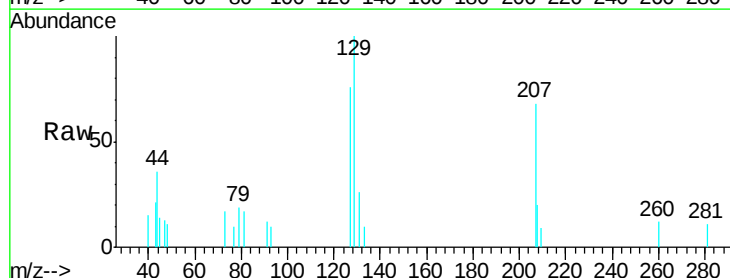
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

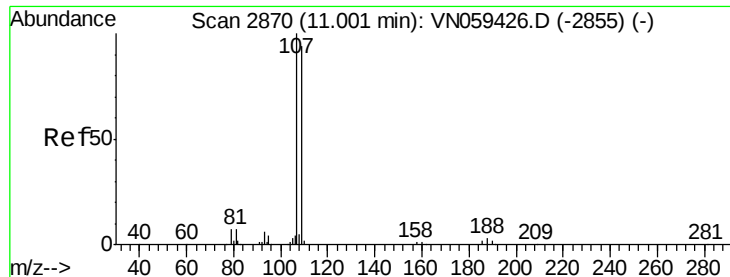
Tgt Ion: 43 Resp: 14127
Ion Ratio Lower Upper
43 100
58 56.2 28.3 85.0



#60
Dibromochloromethane
Concen: 0.747 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 129 Resp: 2961
Ion Ratio Lower Upper
129 100
127 87.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.827 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

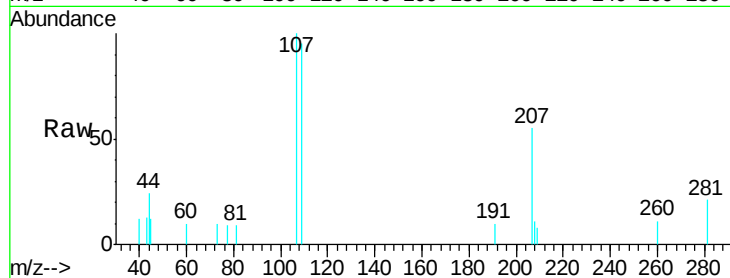
VSTDIC001

Tgt Ion: 107 Resp: 3220

Ion Ratio Lower Upper

107 100

109 101.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

2000

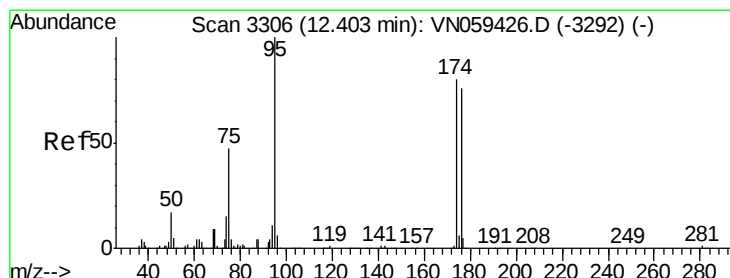
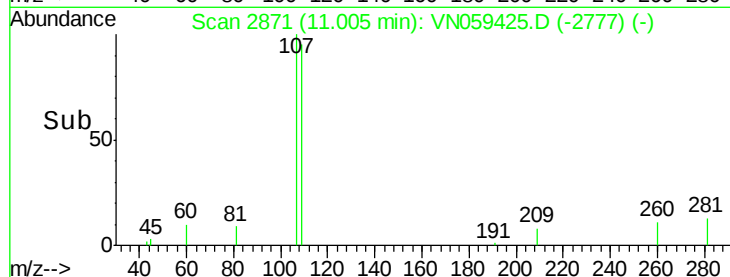
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 1.292 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

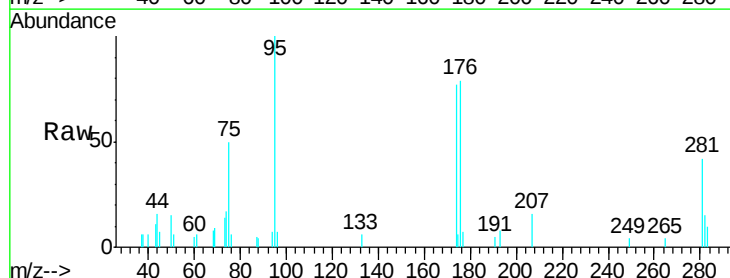
Tgt Ion: 95 Resp: 6213

Ion Ratio Lower Upper

95 100

174 74.4 0.0 158.0

176 71.7 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

5000

4000

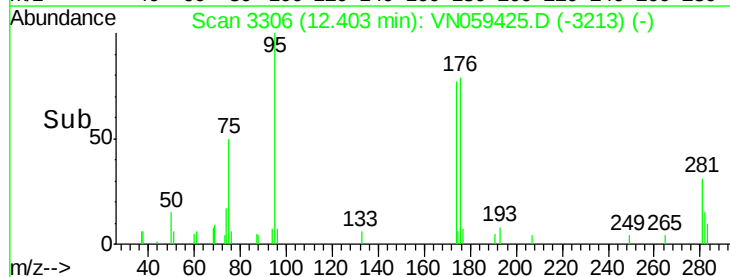
3000

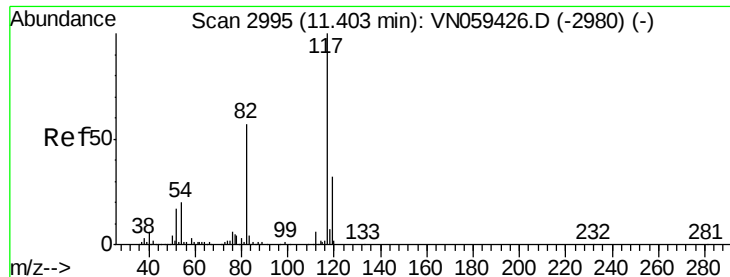
2000

1000

0

Time-->

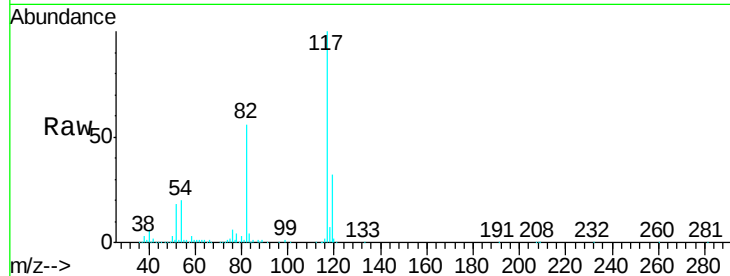




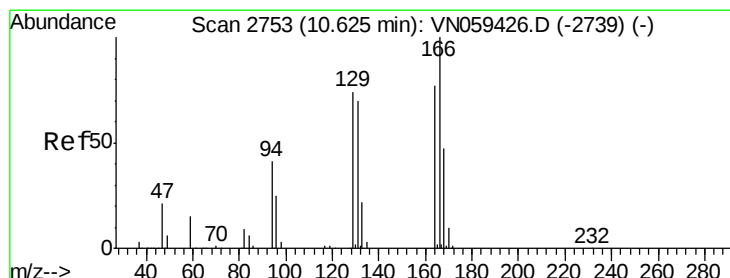
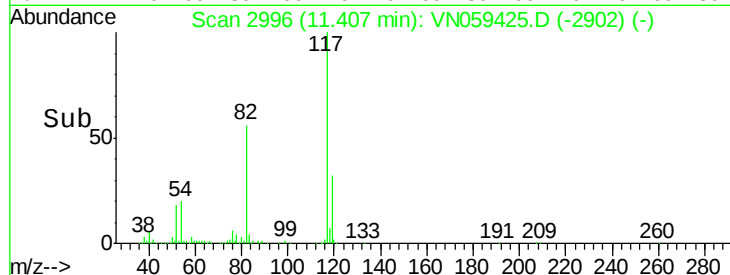
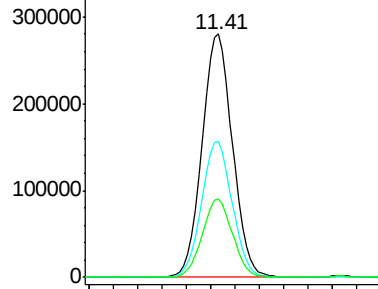
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 486361
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 32.2 25.6 38.4

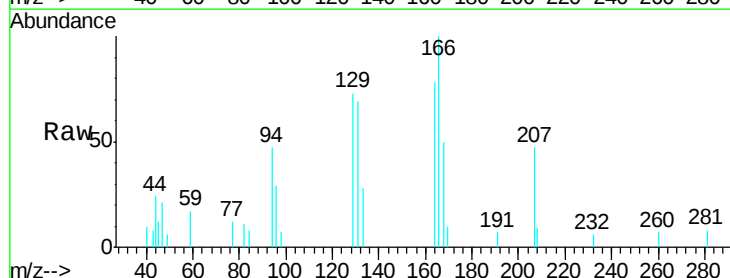


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

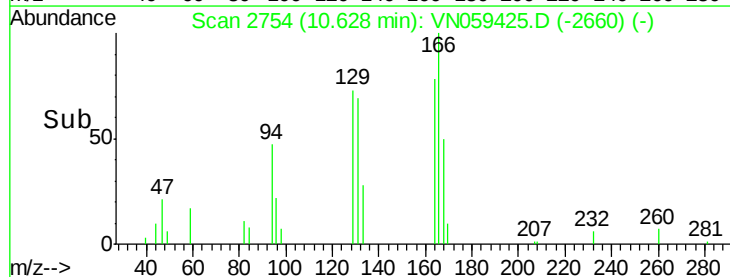
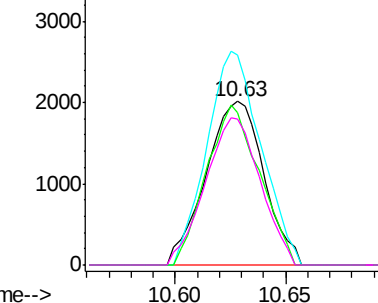


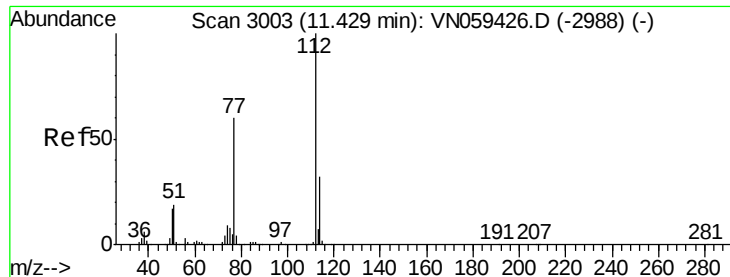
#64
Tetrachloroethene
Concen: 1.019 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion:164 Resp: 3666
Ion Ratio Lower Upper
164 100
166 128.8 104.2 156.4
129 93.5 76.8 115.2
131 89.0 73.0 109.6



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





#65

Chlorobenzene

Concen: 0.978 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

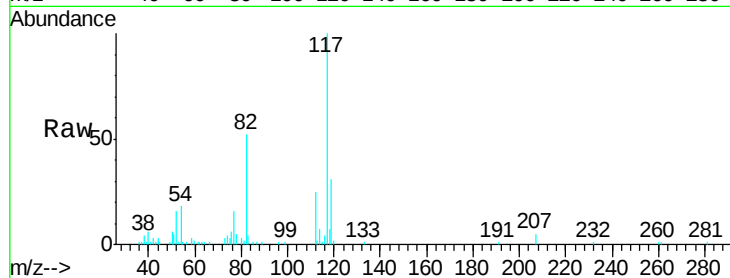
VSTDIC001

Tgt Ion:112 Resp: 9628

Ion Ratio Lower Upper

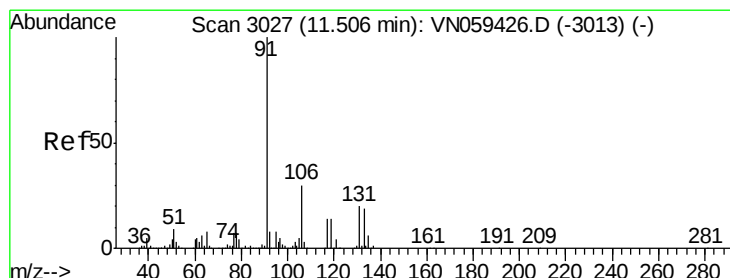
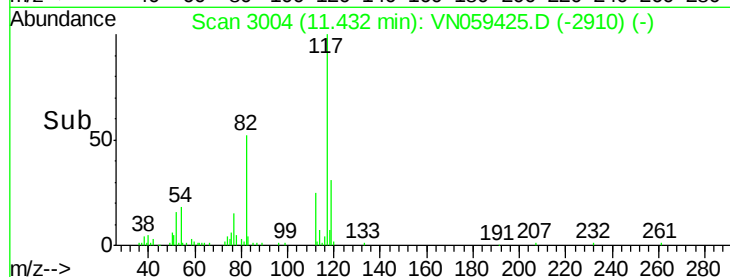
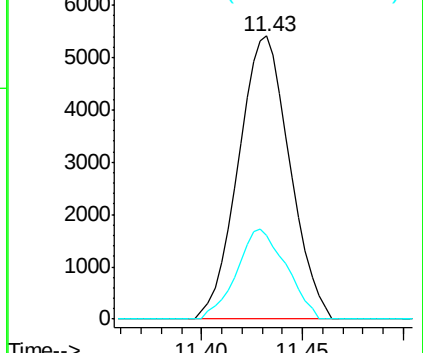
112 100

114 29.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.883 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

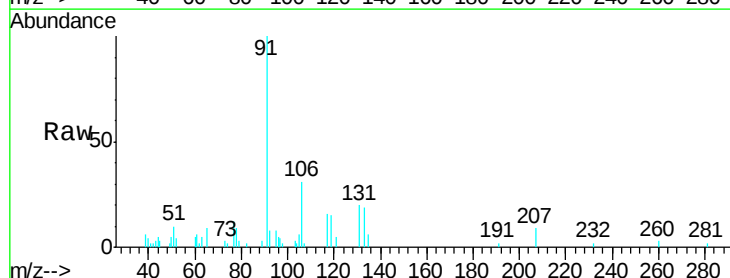
Tgt Ion:131 Resp: 3154

Ion Ratio Lower Upper

131 100

133 106.2 48.2 144.6

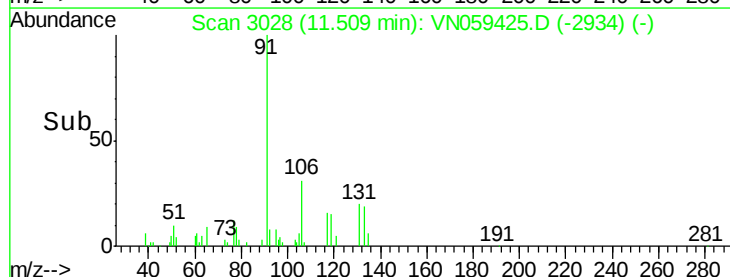
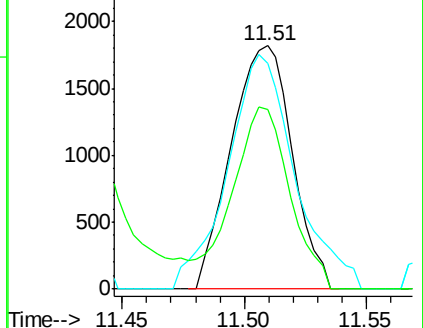
119 0.0 33.8 101.3#

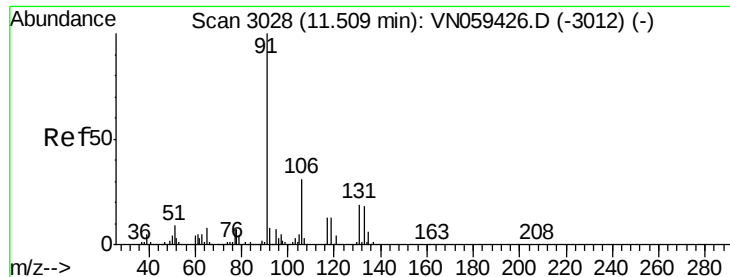


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

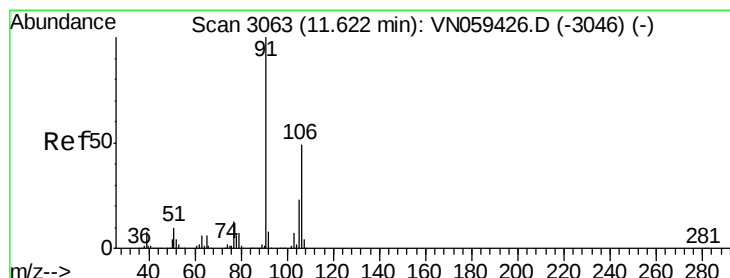
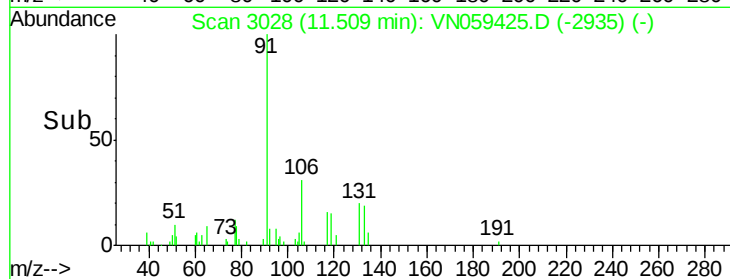
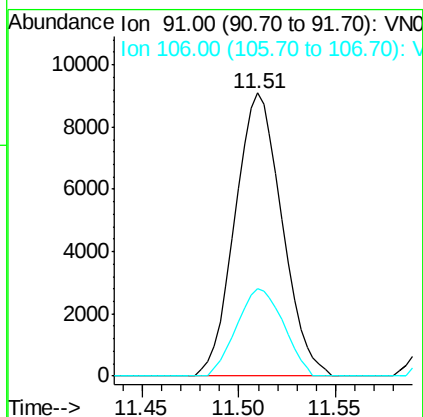
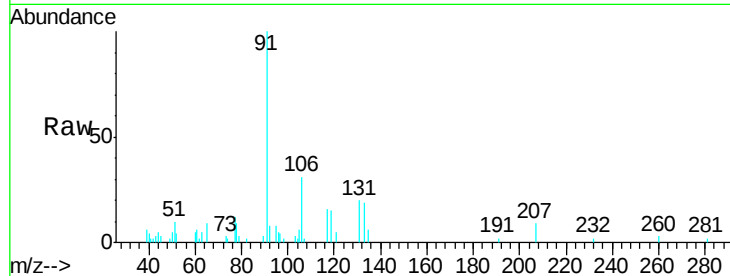




#67
Ethyl Benzene
Concen: 0.888 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

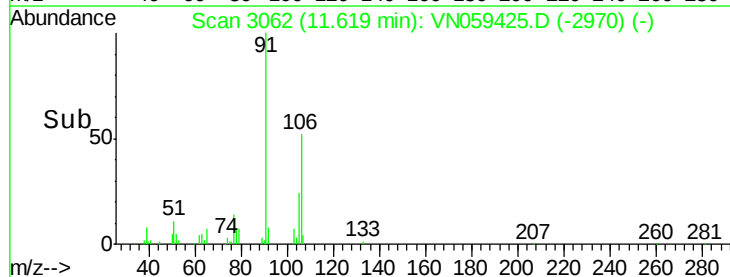
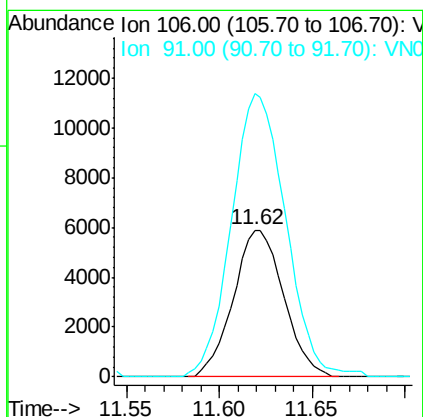
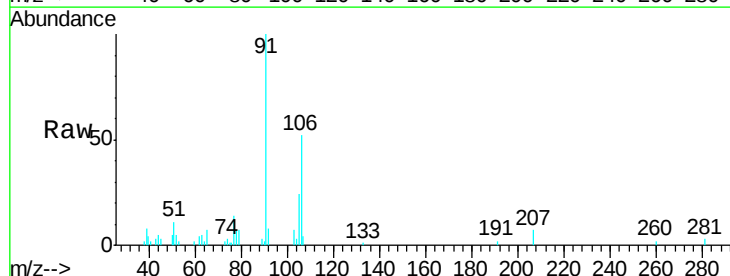
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

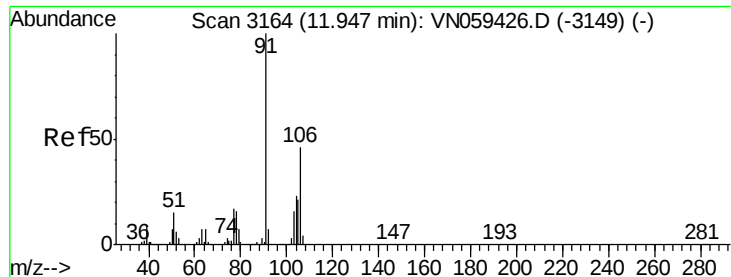
Tgt Ion: 91 Resp: 15355
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 1.722 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion: 106 Resp: 11119
Ion Ratio Lower Upper
106 100
91 207.5 163.7 245.5

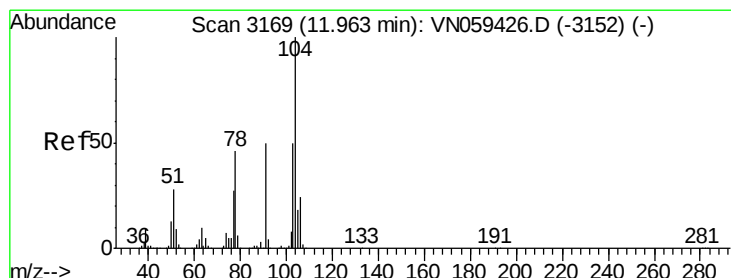
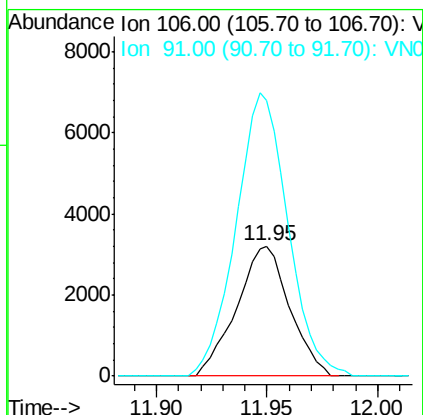
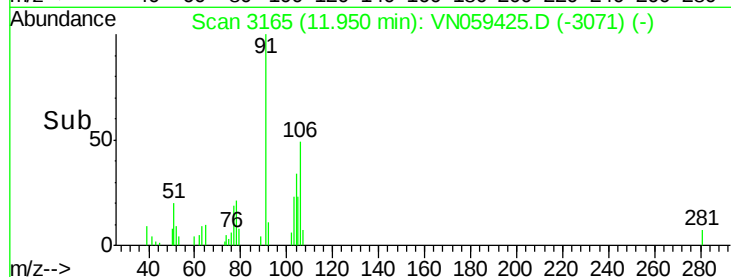
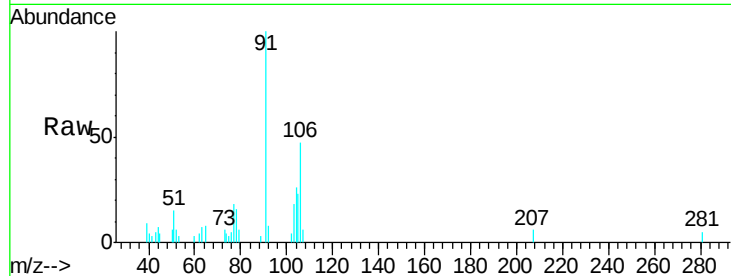




#69
o-Xylene
Concen: 0.864 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

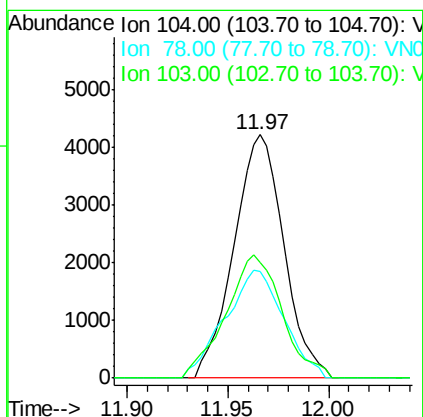
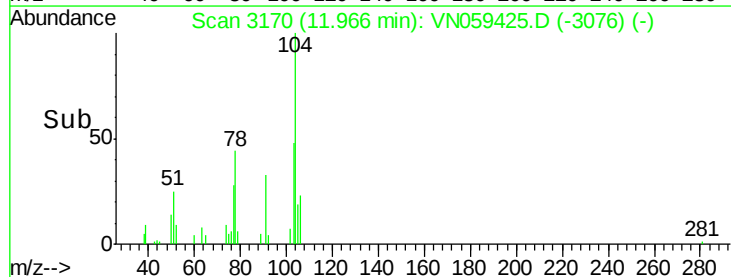
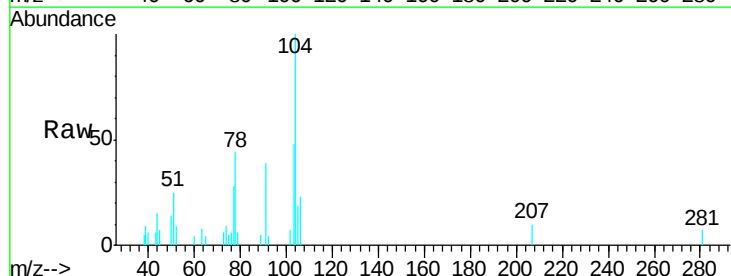
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

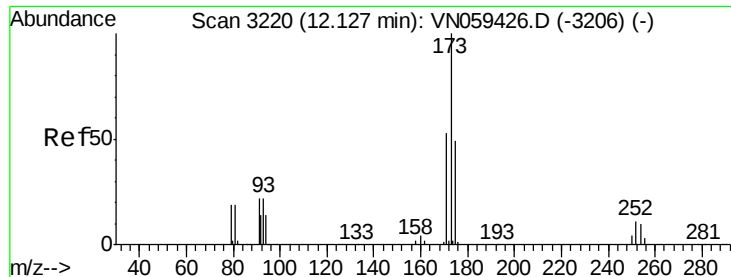
Tgt Ion:106 Resp: 5348
Ion Ratio Lower Upper
106 100
91 213.4 107.5 322.4



#70
Styrene
Concen: 0.755 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059425.D
Acq: 27 Nov 2019 15:21

Tgt Ion:104 Resp: 7329
Ion Ratio Lower Upper
104 100
78 52.1 40.4 60.6
103 56.6 43.8 65.6





#71

Bromoform

Concen: 0.746 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

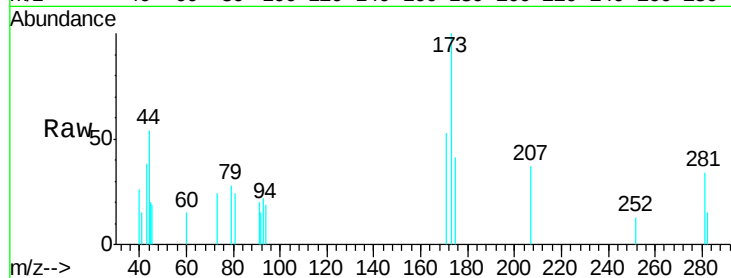
Tgt Ion:173 Resp: 2028

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.3

254 0.0 0.0 0.0

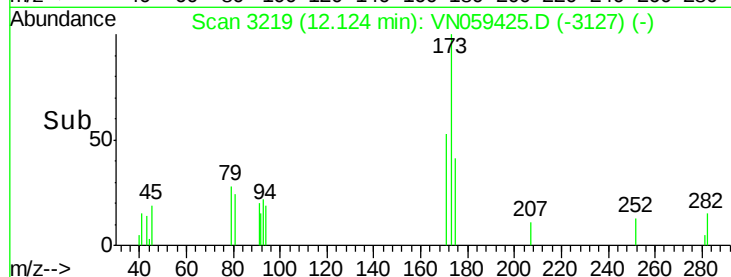


Abundance Ion 172.70 (172.40 to 173.40): V

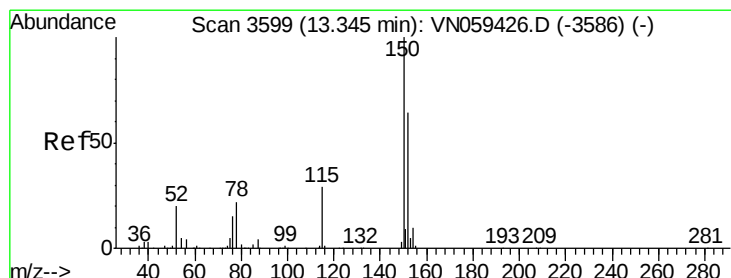
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

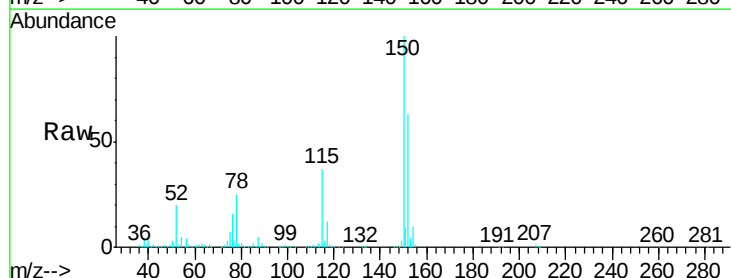
Tgt Ion:152 Resp: 189349

Ion Ratio Lower Upper

152 100

115 58.5 29.5 88.6

150 155.7 0.0 347.2

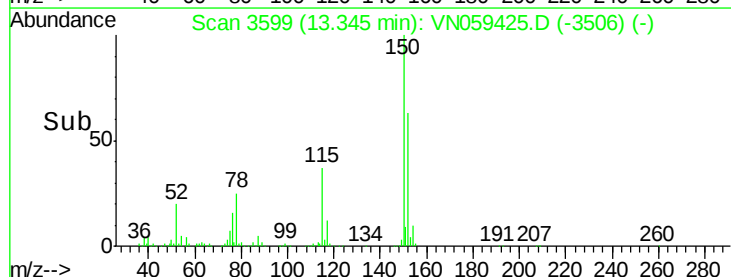


Abundance Ion 151.90 (151.60 to 152.60): V

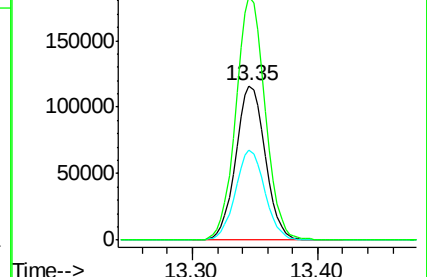
Ion 114.90 (114.60 to 115.60): V

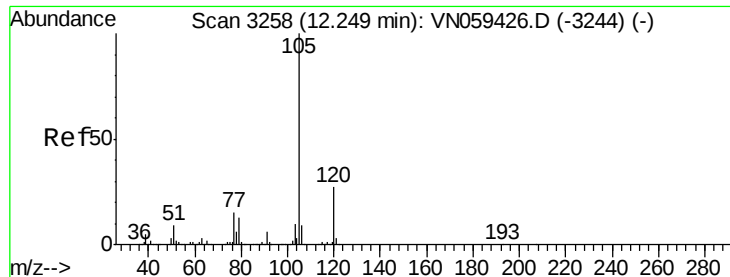
Ion 149.90 (149.60 to 150.60): V

Time-->



Time-->





#73

Isopropylbenzene

Concen: 0.981 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

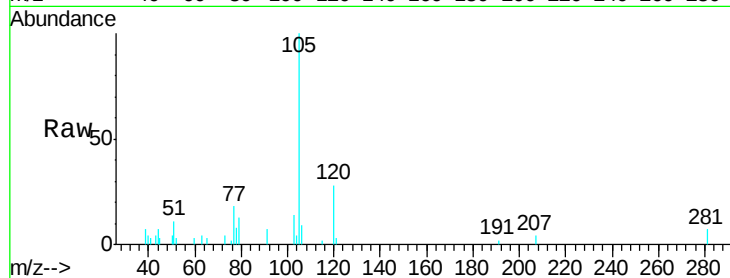
VSTDIC001

Tgt Ion: 105 Resp: 13758

Ion Ratio Lower Upper

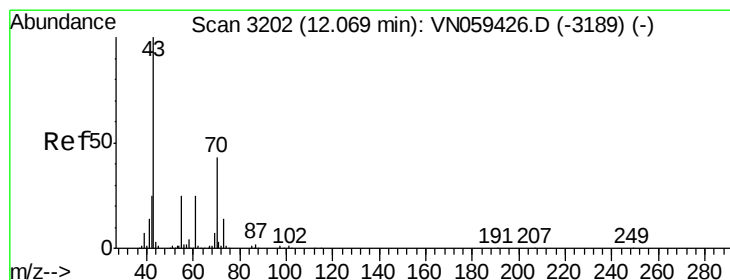
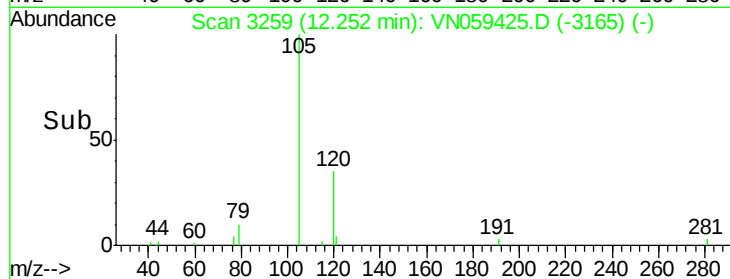
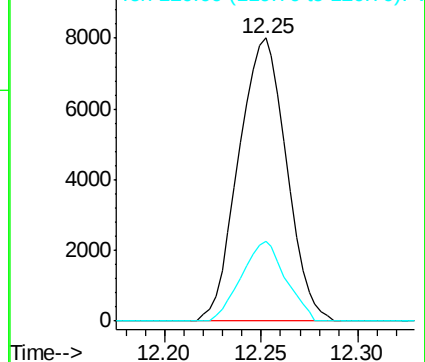
105 100

120 26.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.735 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Tgt Ion: 43 Resp: 3877

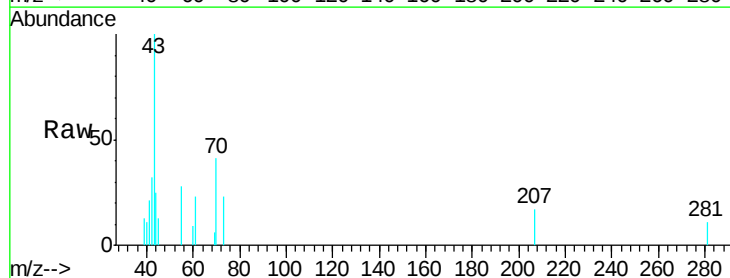
Ion Ratio Lower Upper

43 100

70 46.7 34.6 52.0

55 30.4 20.5 30.7

61 27.0 20.2 30.4

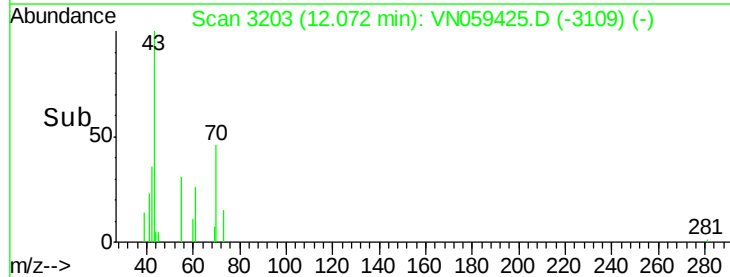
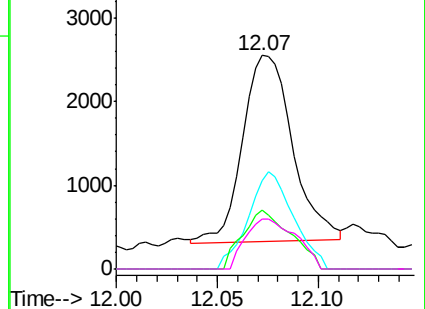


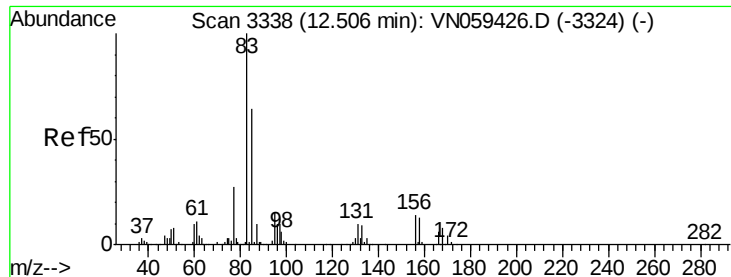
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.004 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

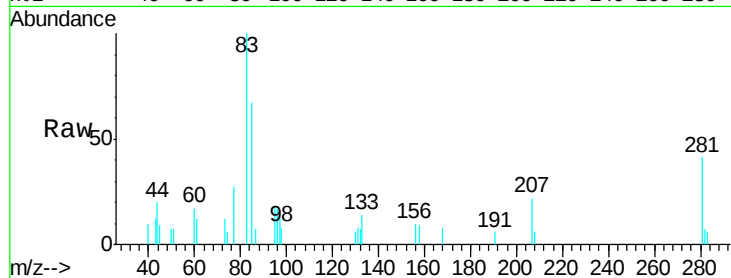
Tgt Ion: 83 Resp: 4593

Ion Ratio Lower Upper

83 100

131 5.7 5.0 15.0

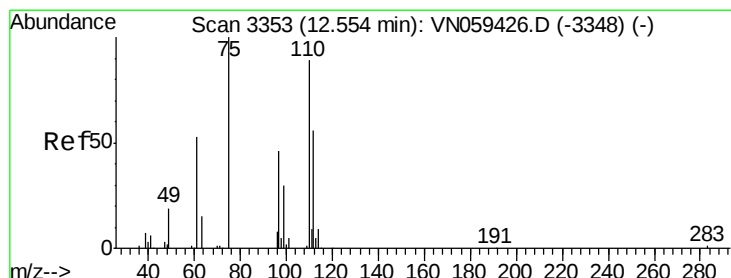
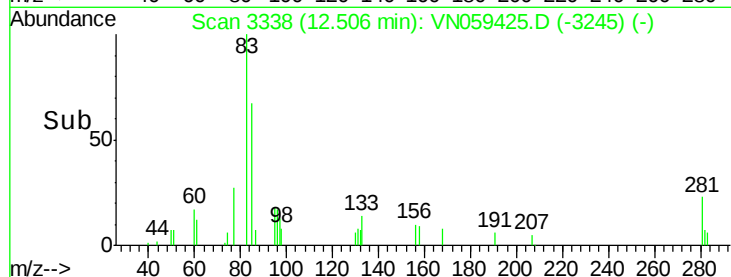
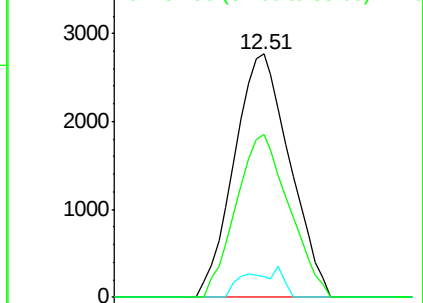
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059425.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059425.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059425.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 1.432 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059425.D

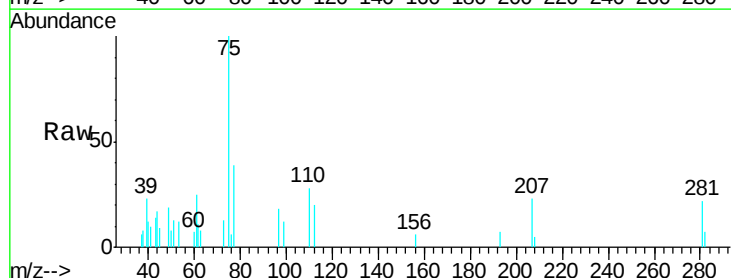
Acq: 27 Nov 2019 15:21

Tgt Ion: 75 Resp: 6263

Ion Ratio Lower Upper

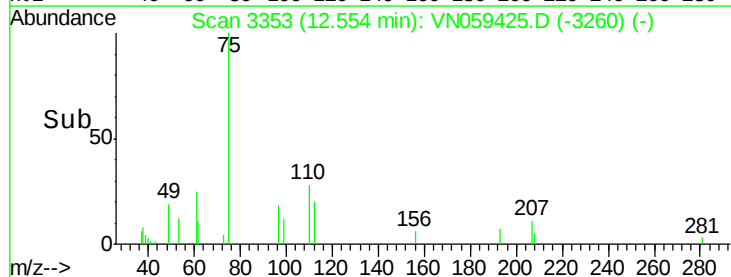
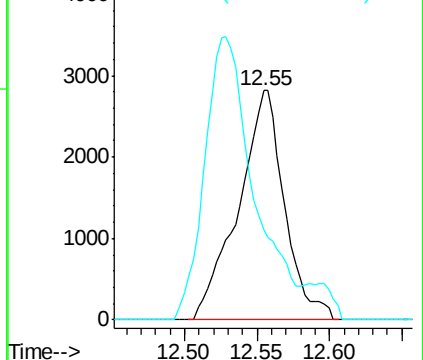
75 100

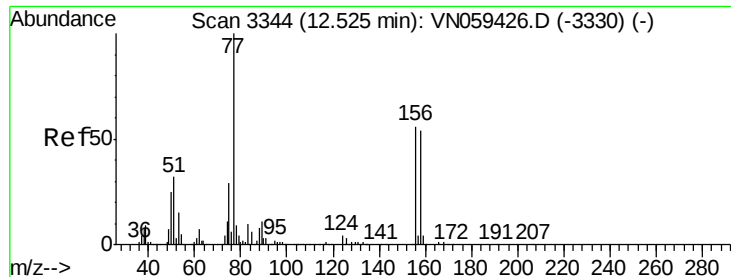
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059425.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059425.D (-3353) (-)





#77

Bromobenzene

Concen: 0.976 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

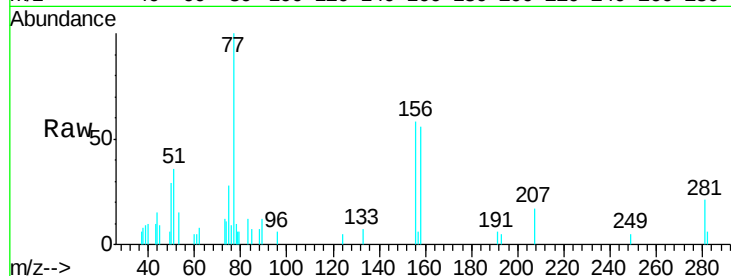
Tgt Ion:156 Resp: 3351

Ion Ratio Lower Upper

156 100

77 244.6 108.7 326.3

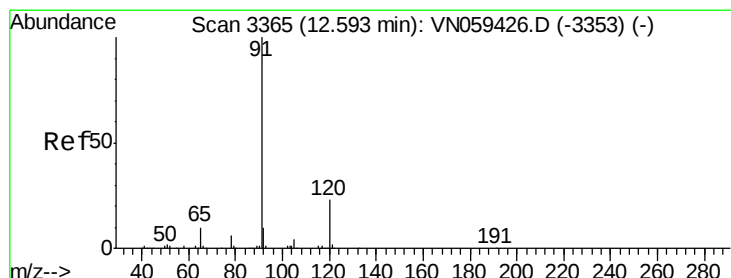
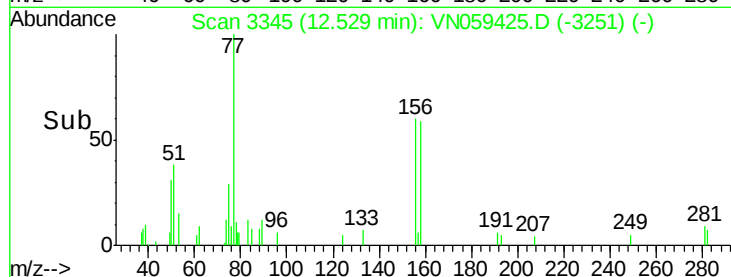
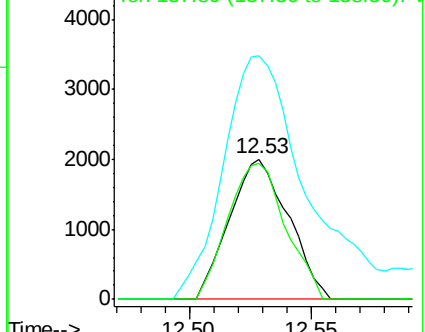
158 95.1 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.979 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059425.D

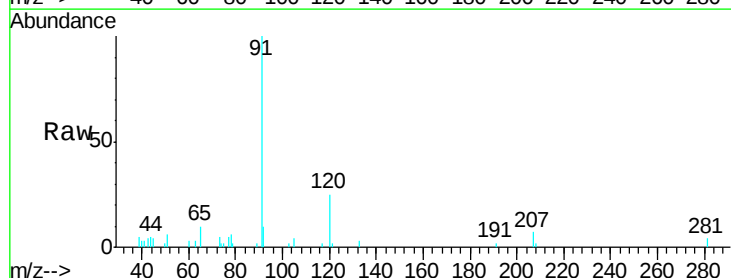
Acq: 27 Nov 2019 15:21

Tgt Ion: 91 Resp: 15823

Ion Ratio Lower Upper

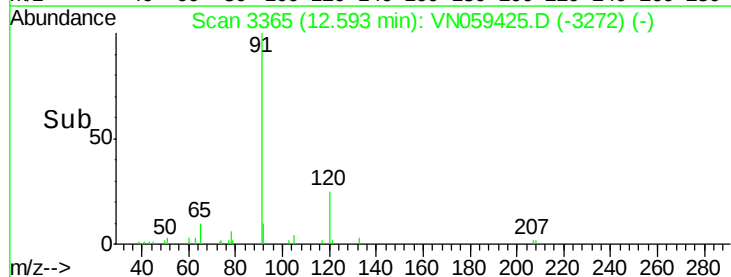
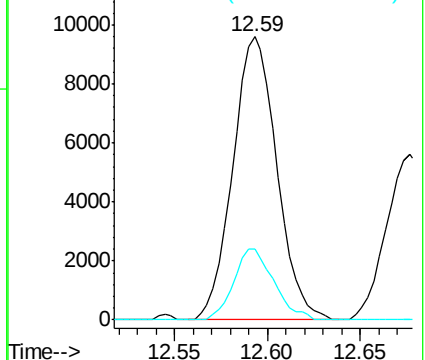
91 100

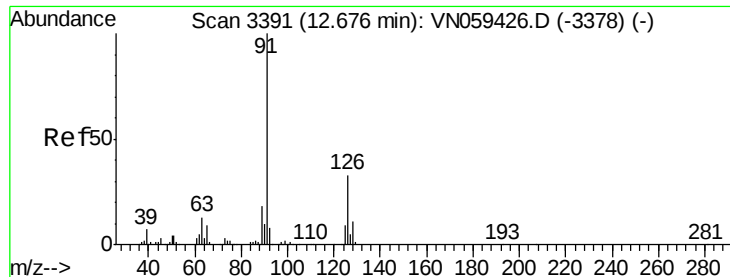
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

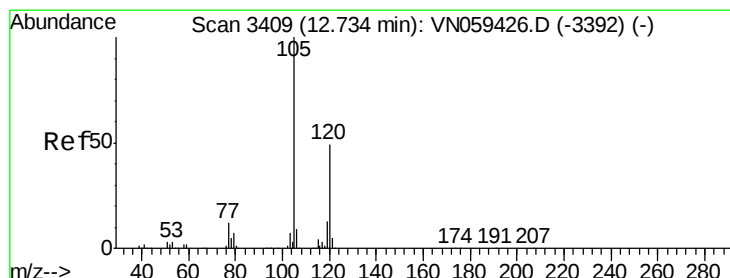
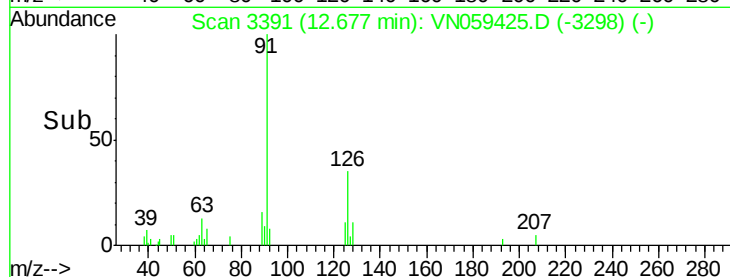
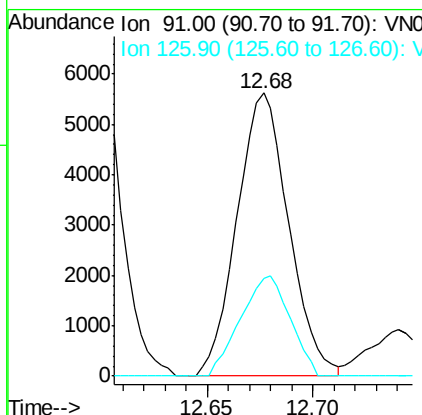
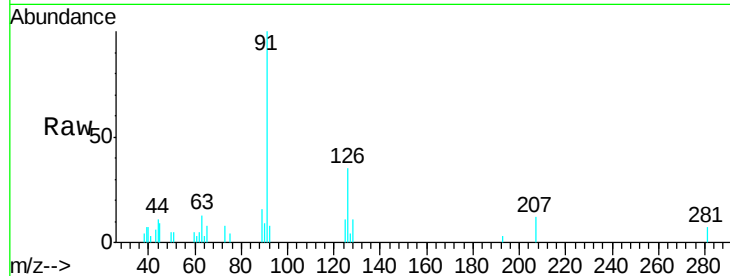




#79
 2-Chlorotoluene
 Concen: 0.992 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

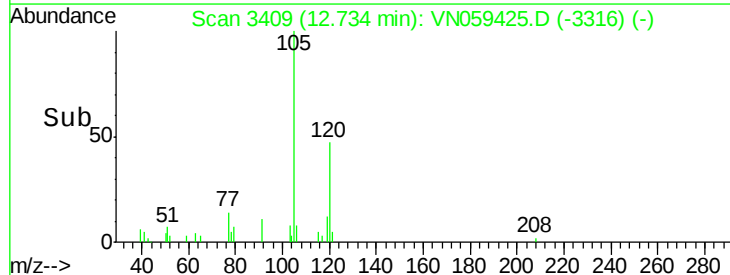
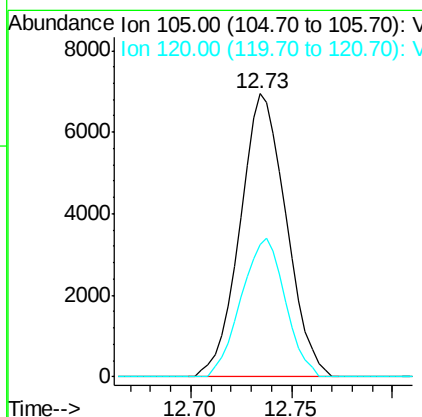
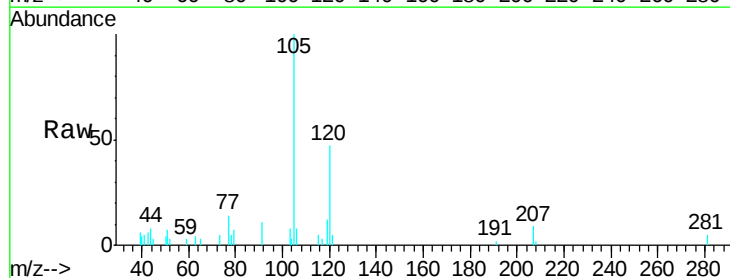
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

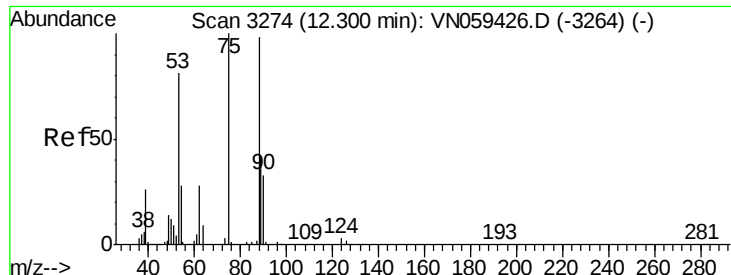
Tgt Ion: 91 Resp: 9591
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 0.944 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion: 105 Resp: 11127
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 0.768 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

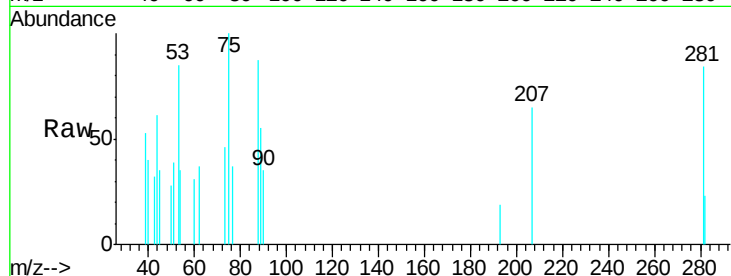
Tgt Ion: 75 Resp: 1281

Ion Ratio Lower Upper

75 100

53 85.6 66.2 99.4

89 45.8 33.9 50.9

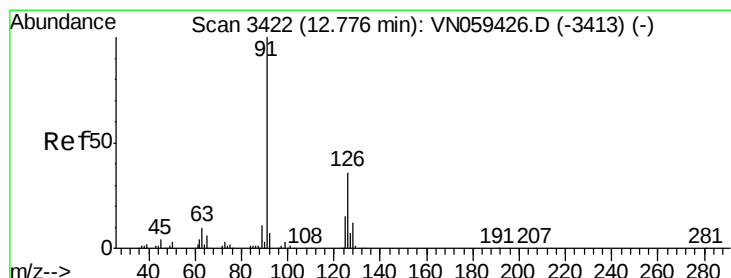
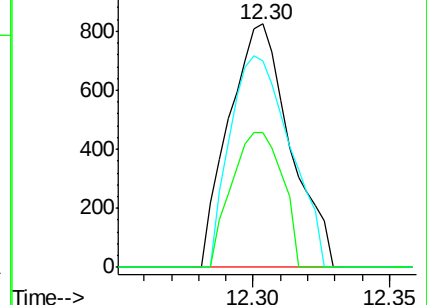
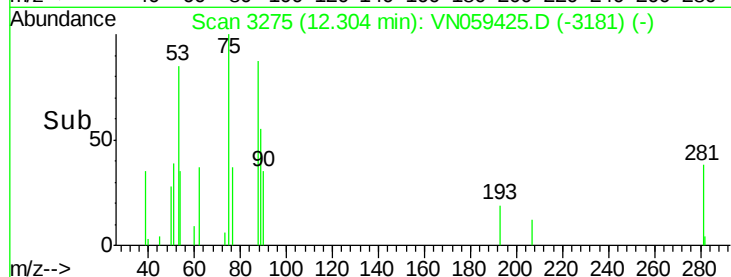


Abundance Ion 74.90 (74.60 to 75.60): VN059426.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059426.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059426.D (-3264) (-)

Time-->



#82

4-Chlorotoluene

Concen: 0.994 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059425.D

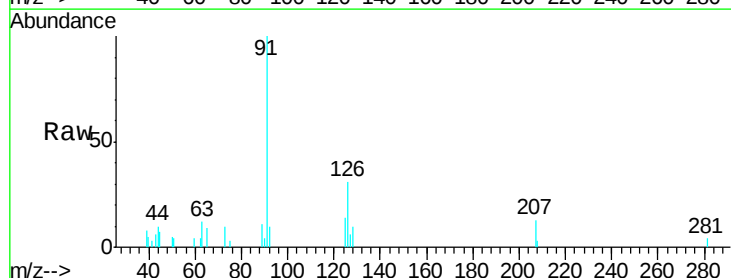
Acq: 27 Nov 2019 15:21

Tgt Ion: 91 Resp: 9894

Ion Ratio Lower Upper

91 100

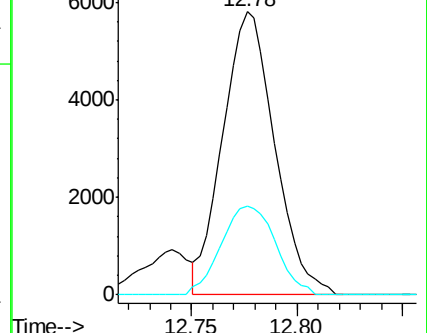
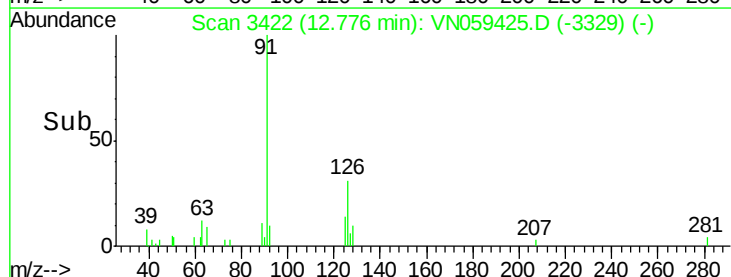
126 33.0 16.7 50.0

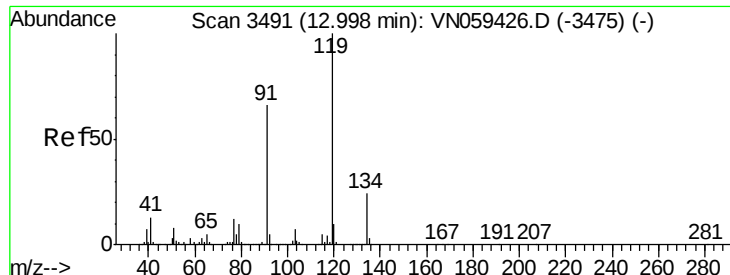


Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN059426.D (-3413) (-)

Time-->

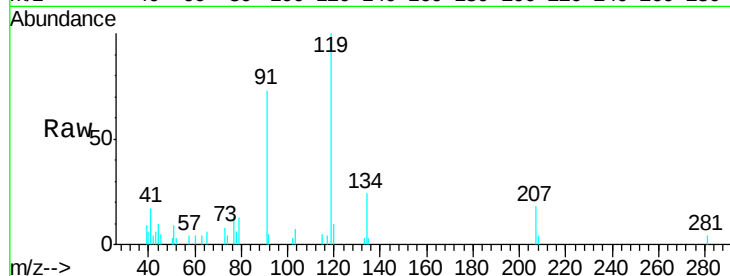




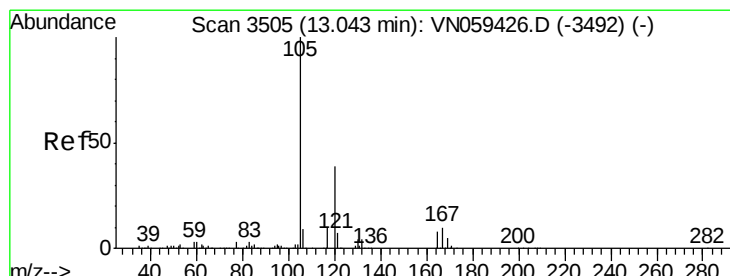
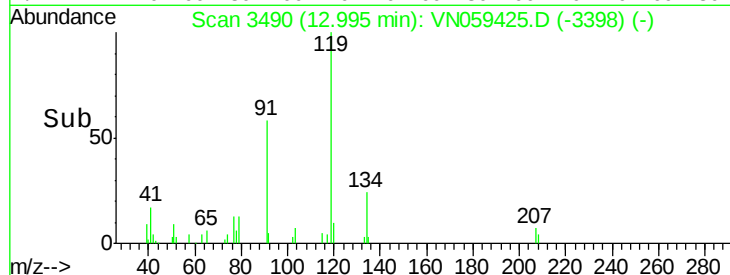
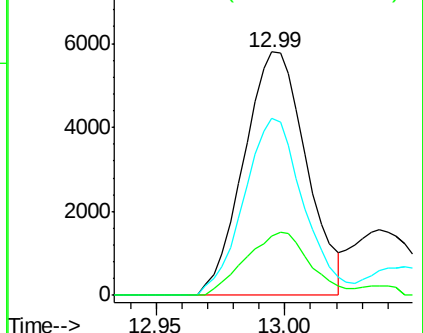
#83
 tert-Butylbenzene
 Concen: 0.968 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 9804
 Ion Ratio Lower Upper
 119 100
 91 69.5 32.8 98.4
 134 26.8 12.9 38.6

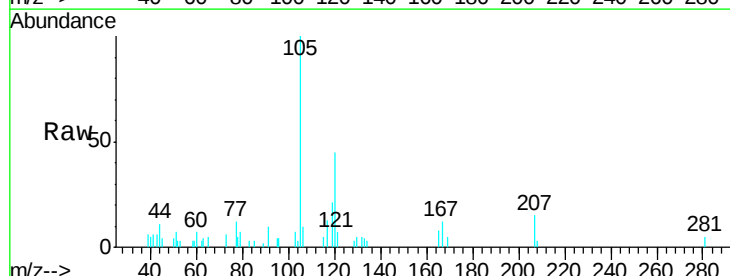


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

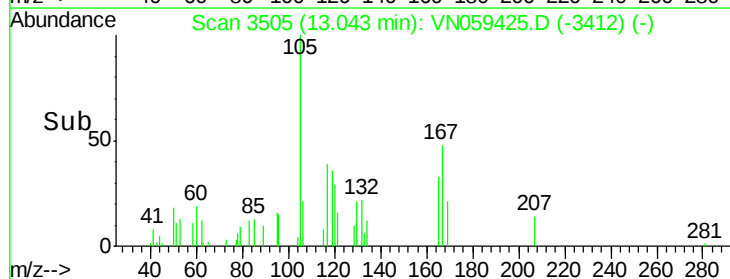
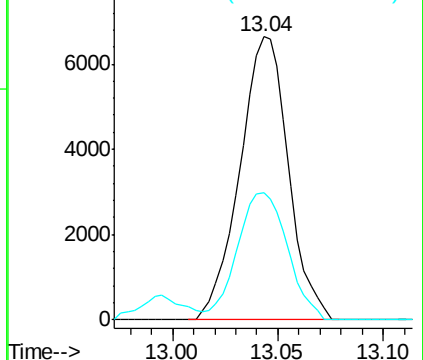


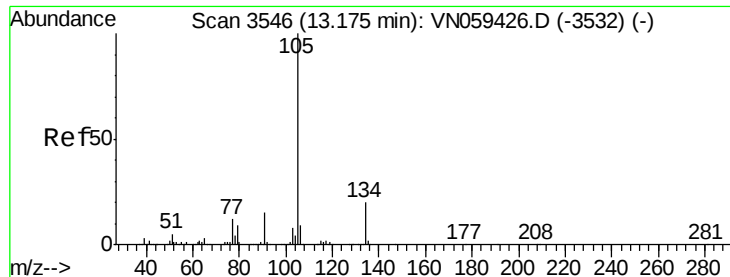
#84
 1,2,4-Trimethylbenzene
 Concen: 0.921 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion:105 Resp: 10640
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

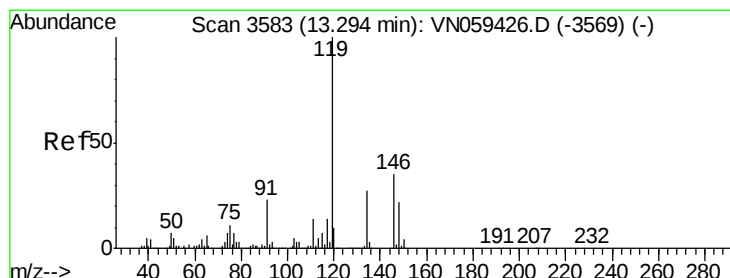
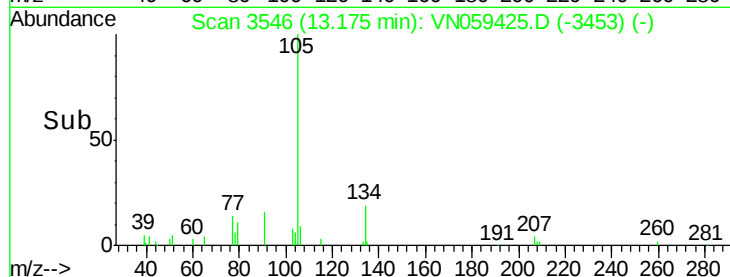
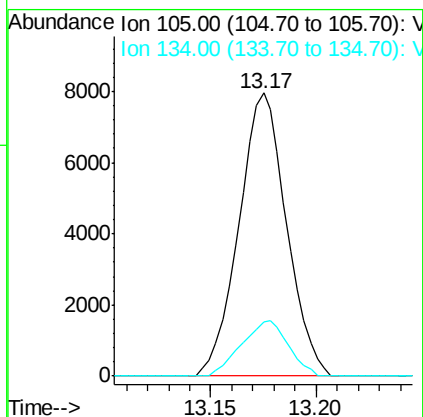
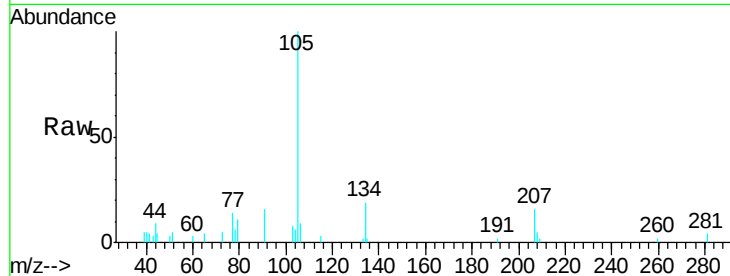




#85
 sec-Butylbenzene
 Concen: 0.926 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

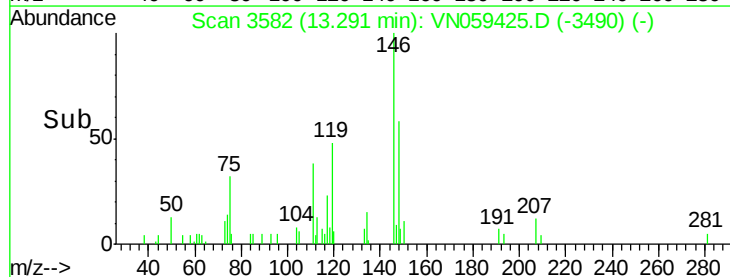
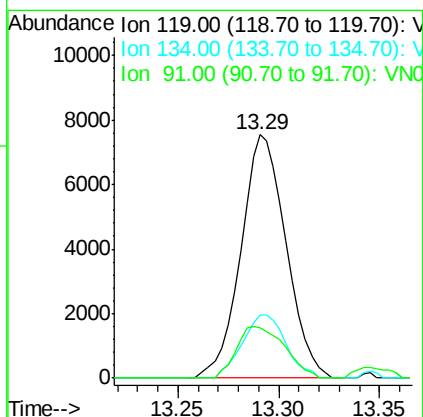
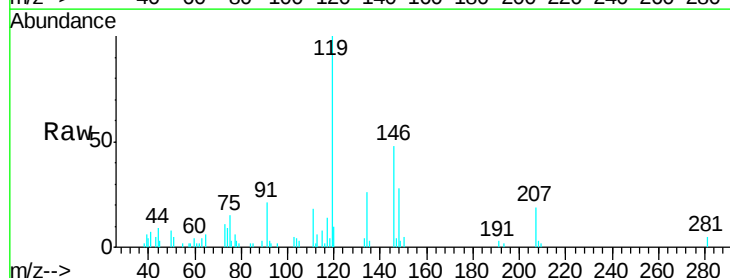
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

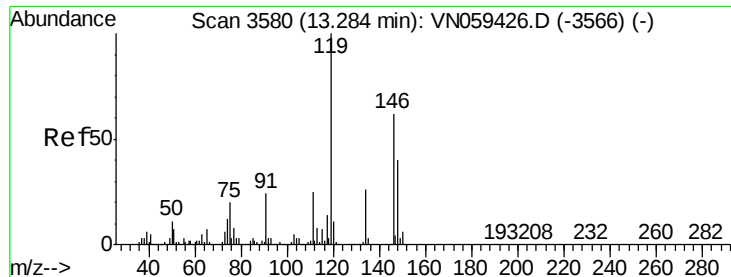
Tgt Ion:105 Resp: 12452
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.970 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion:119 Resp: 11795
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.3 39.8
 91 22.6 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 0.995 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

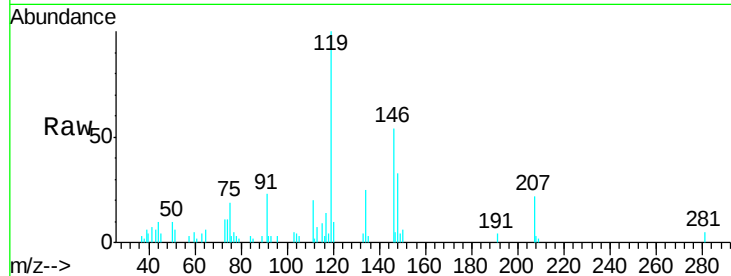
Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

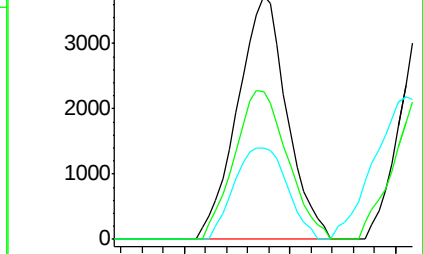
Tgt Ion:	146	Resp:	6057
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.2
148	65.7	32.1	96.3



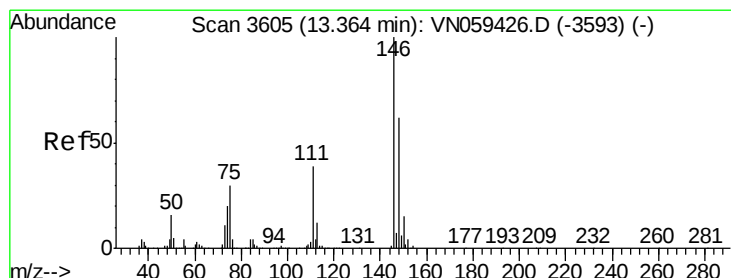
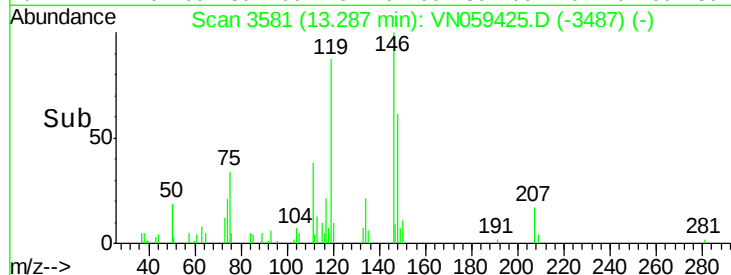
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#88

1,4-Dichlorobenzene

Concen: 0.991 ug/l

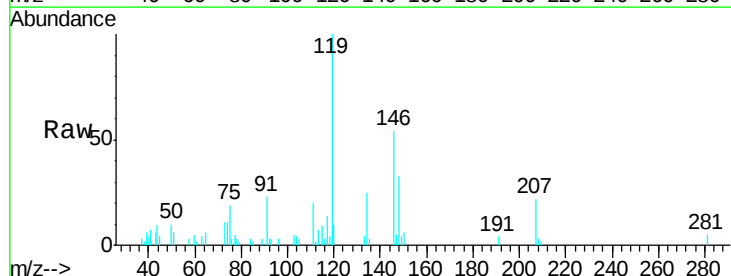
RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

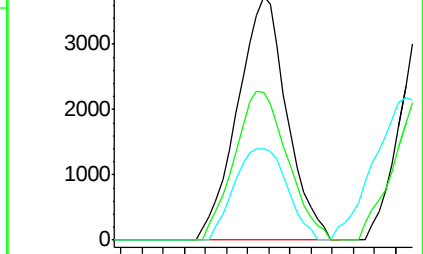
Tgt Ion:	146	Resp:	6057
Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.7
148	65.7	31.6	95.0



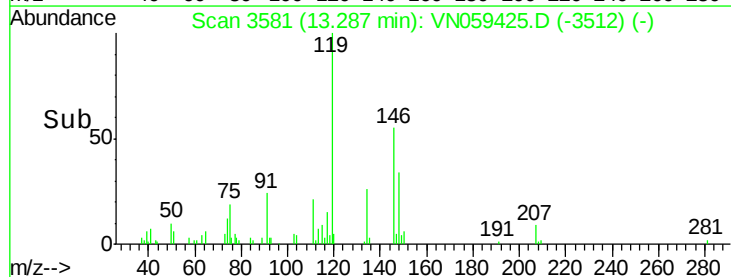
Abundance Ion 145.90 (145.60 to 146.60): V

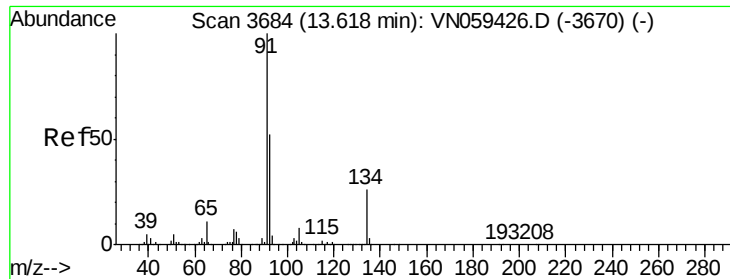
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->





#89

n-Butylbenzene

Concen: 0.948 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

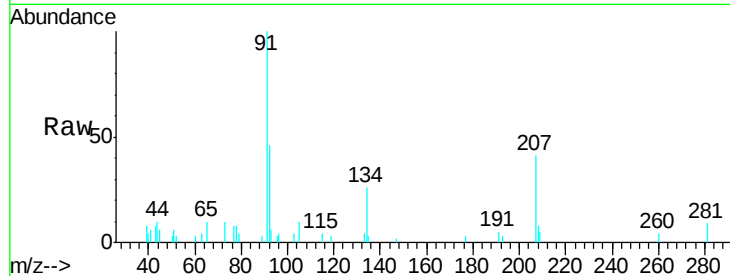
Tgt Ion: 91 Resp: 10078

Ion Ratio Lower Upper

91 100

92 48.9 25.9 77.8

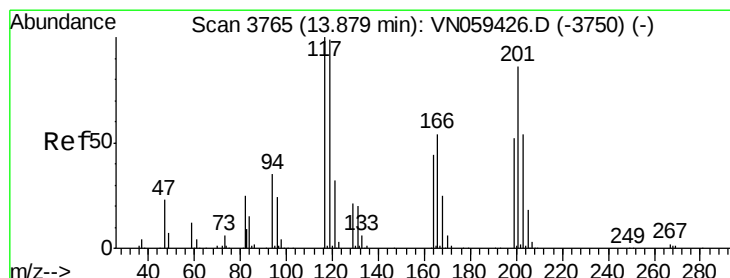
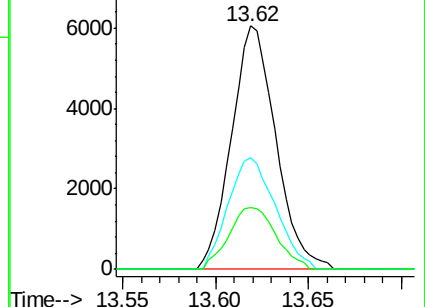
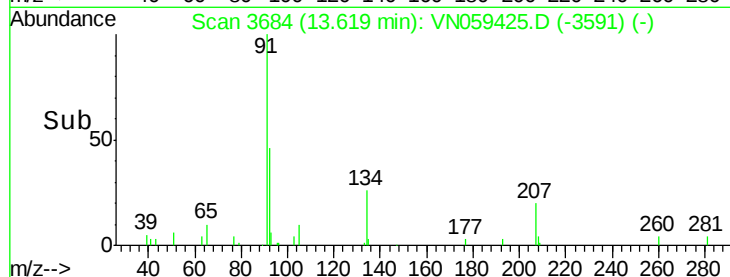
134 27.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN059426.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN059426.D (-3670) (-)



#90

Hexachloroethane

Concen: 1.029 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059425.D

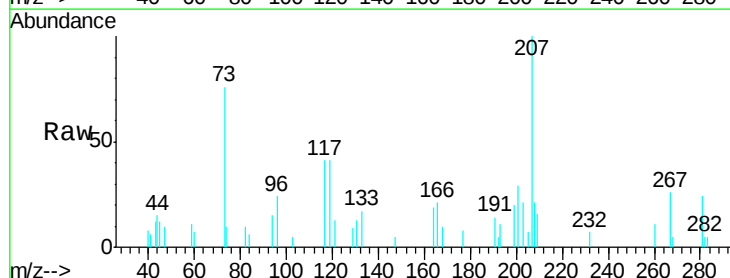
Acq: 27 Nov 2019 15:21

Tgt Ion: 117 Resp: 2390

Ion Ratio Lower Upper

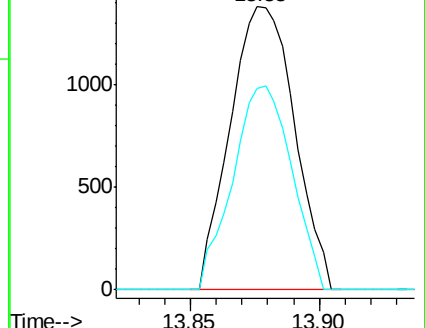
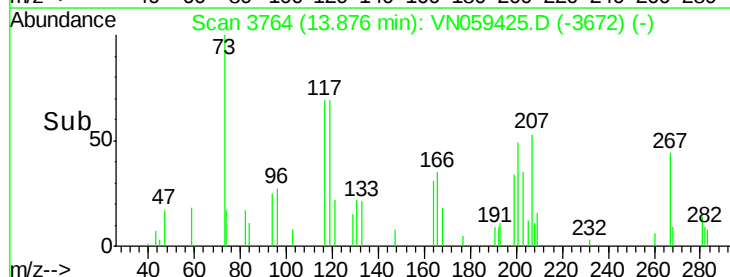
117 100

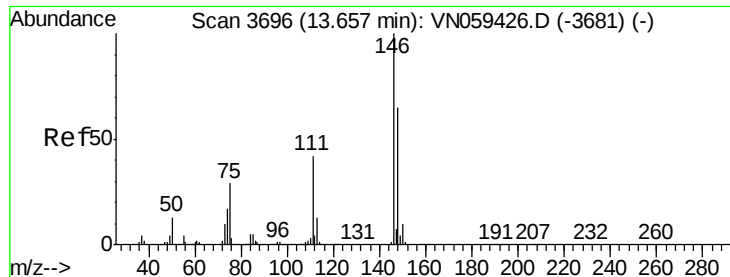
201 66.1 42.1 126.4



Abundance Ion 116.80 (116.50 to 117.50): VN059426.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059426.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 1.076 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

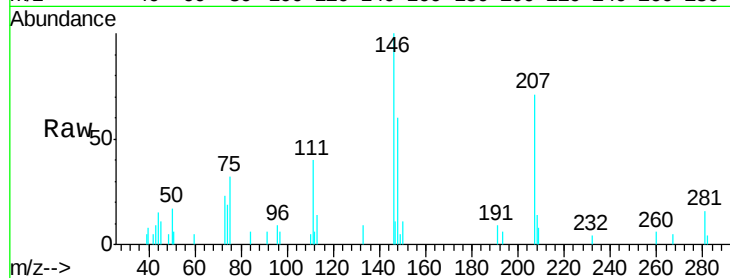
Tgt Ion:146 Resp: 6414

Ion Ratio Lower Upper

146 100

111 40.0 21.3 63.7

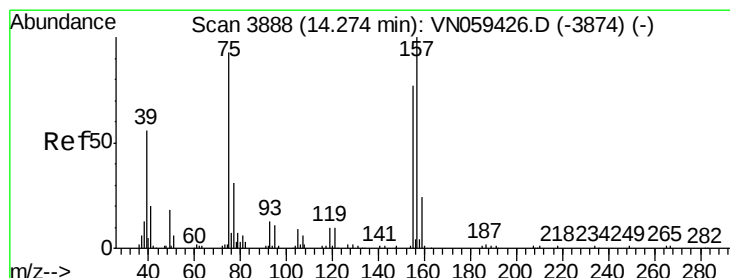
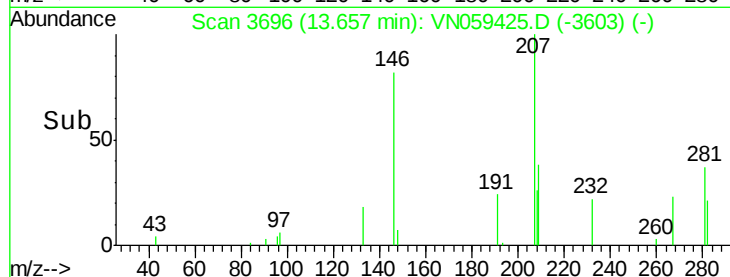
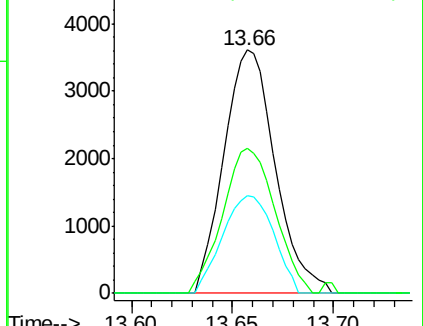
148 60.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.474 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

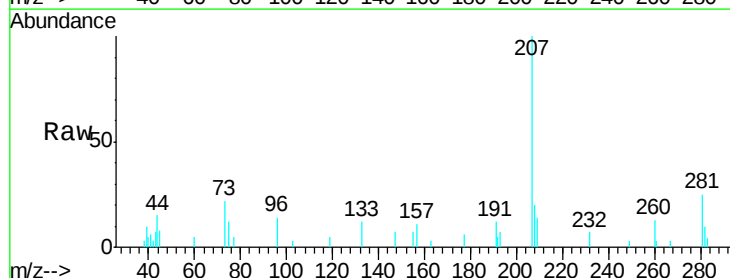
Tgt Ion: 75 Resp: 1531

Ion Ratio Lower Upper

75 100

155 49.1 41.9 125.8

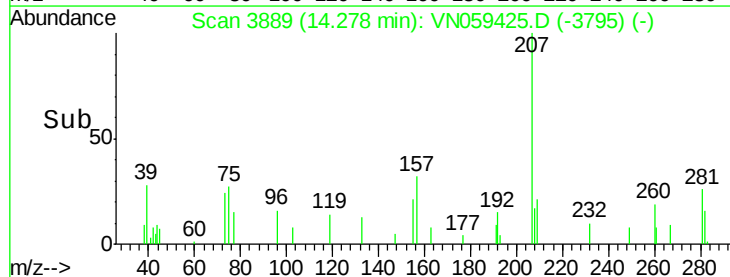
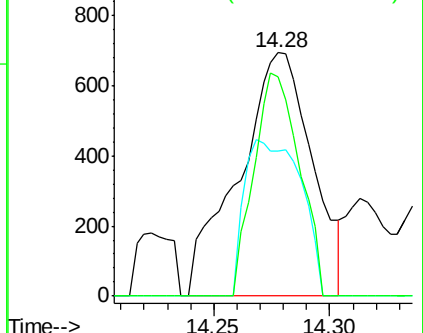
157 56.6 54.1 162.3

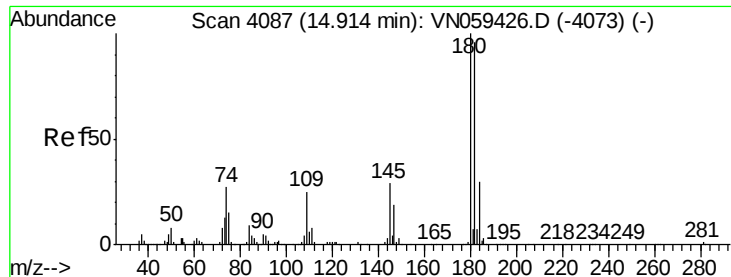


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

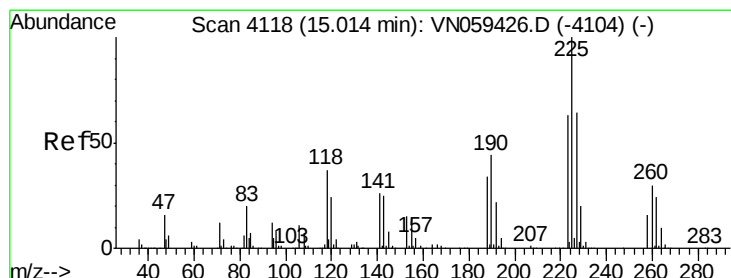
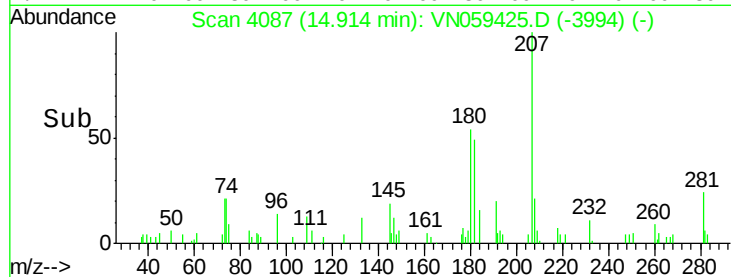
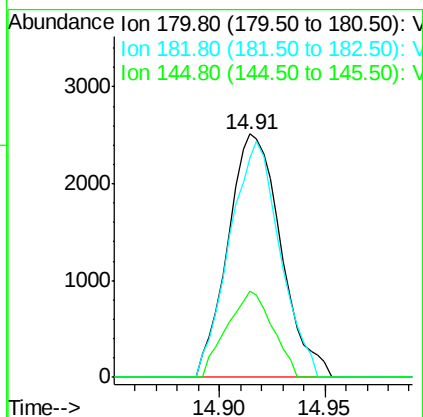
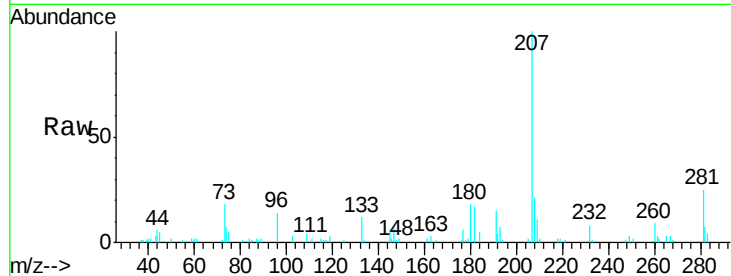




#93
 1,2,4-Trichlorobenzene
 Concen: 1.182 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

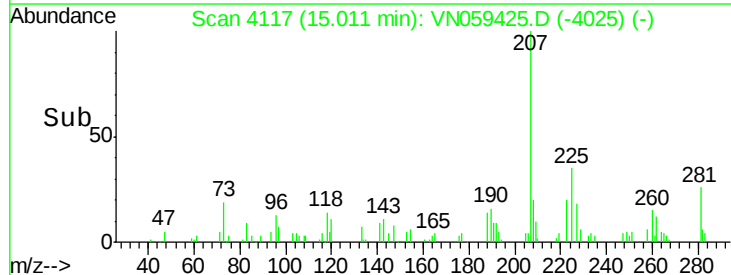
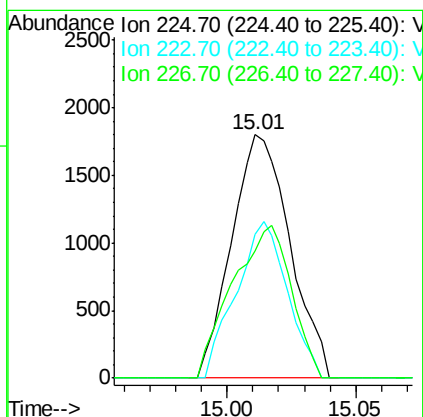
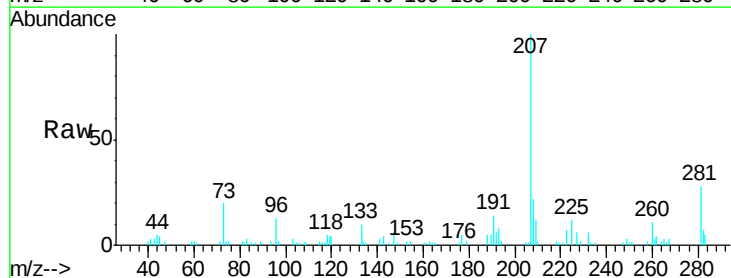
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

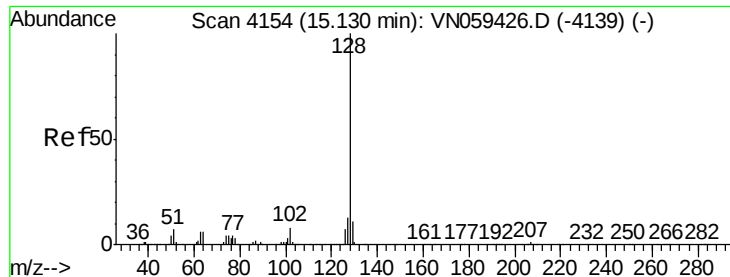
Tgt Ion:180 Resp: 4382
 Ion Ratio Lower Upper
 180 100
 182 92.2 47.3 142.0
 145 30.4 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 1.249 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059425.D
 Acq: 27 Nov 2019 15:21

Tgt Ion:225 Resp: 2838
 Ion Ratio Lower Upper
 225 100
 223 56.5 31.5 94.5
 227 63.6 31.9 95.7





#95

Naphthalene

Concen: 1.499 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

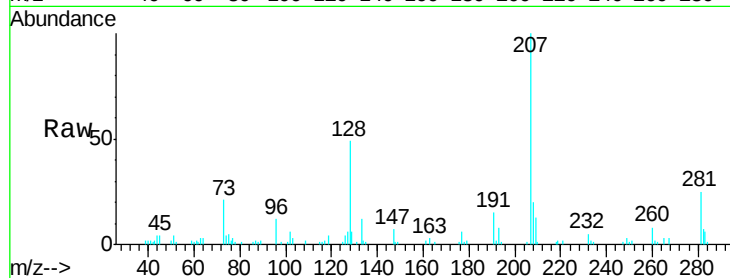
Tgt Ion:128 Resp: 15701

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

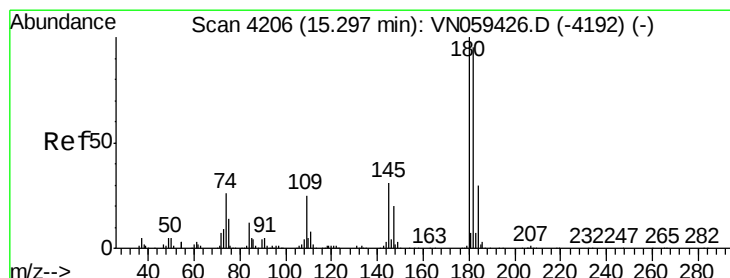
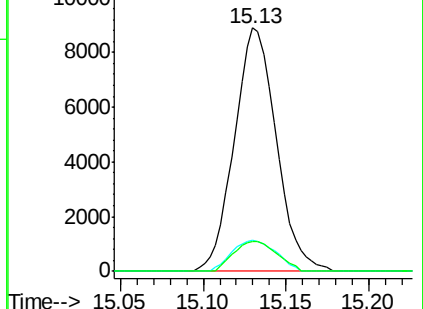
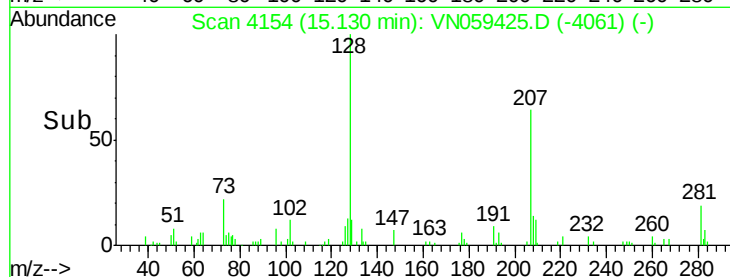
129 12.7 8.6 12.8



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: 1.431 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059425.D

Acq: 27 Nov 2019 15:21

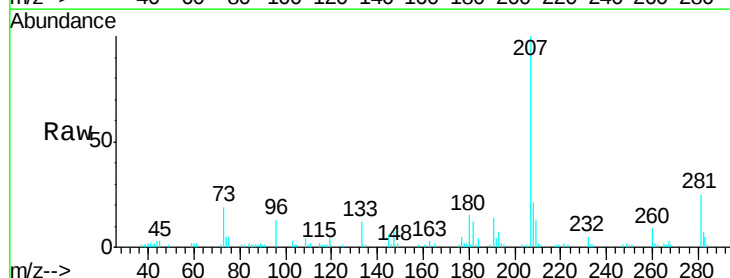
Tgt Ion:180 Resp: 5649

Ion Ratio Lower Upper

180 100

182 86.3 47.5 142.6

145 36.5 15.7 47.1



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

