

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064318.D
 Acq On : 27 Oct 2020 10:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 27 11:42:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	23369	5.70	ug/l	0.00
Spiked Amount			Recovery	=	11.40%	
35) Dibromofluoromethane	7.55	113	14487	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
50) Toluene-d8	10.06	98	54069	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.37	95	19871	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14956	5.043	ug/l	87
3) Chloromethane	2.03	50	16920	5.391	ug/l	93
4) Vinyl Chloride	2.16	62	15874	5.063	ug/l	99
5) Bromomethane	2.52	94	11532	5.624	ug/l	100
6) Chloroethane	2.67	64	9666	5.089	ug/l	91
7) Trichlorofluoromethane	2.98	101	27479	5.326	ug/l	93
8) Diethyl Ether	3.38	74	8005	4.696	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	14497	5.445	ug/l	95
10) Methyl Iodide	3.91	142	16474	4.377	ug/l	96
11) Tert butyl alcohol	4.73	59	14662	25.952	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	7899	3.083	ug/l	97
13) Acrolein	3.57	56	5577	18.484	ug/l	88
14) Allyl chloride	4.27	41	25268	4.937	ug/l	98
15) Acrylonitrile	4.94	53	31392	26.741	ug/l #	87
16) Acetone	3.78	43	36359	29.717	ug/l	98
17) Carbon Disulfide	4.01	76	37515	5.138	ug/l	97
18) Methyl Acetate	4.28	43	13966	4.617	ug/l	94
19) Methyl tert-butyl Ether	4.98	73	47073	5.228	ug/l	96
20) Methylene Chloride	4.50	84	15773	5.076	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	14956	5.301	ug/l #	76
22) Diisopropyl ether	5.90	45	50032	5.165	ug/l	95
23) Vinyl Acetate	5.84	43	209364	24.370	ug/l	99
24) 1,1-Dichloroethane	5.80	63	28050	5.052	ug/l	99
25) 2-Butanone	6.78	43	50551	26.447	ug/l	100
26) 2,2-Dichloropropane	6.78	77	28436	5.150	ug/l #	73
27) cis-1,2-Dichloroethene	6.77	96	8377	2.537	ug/l	1
28) Bromochloromethane	7.15	49	14195	5.374	ug/l	97
29) Tetrahydrofuran	7.17	42	31238	26.936	ug/l	100
30) Chloroform	7.33	83	30609	5.163	ug/l	99
31) Cyclohexane	7.61	56	28718	5.868	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	29716	5.356	ug/l #	87
36) 1,1-Dichloropropene	7.75	75	21276	4.805	ug/l	95
37) Ethyl Acetate	6.88	43	20855	5.075	ug/l #	93
38) Carbon Tetrachloride	7.73	117	24763	4.888	ug/l	87

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 Data File : VN064318.D
 Acq On : 27 Oct 2020 10:29
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Oct 27 11:42:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22383	5.504	ug/l	95
40) Benzene	8.00	78	62188	5.084	ug/l	94
41) Methacrylonitrile	7.15	41	31275	14.555	ug/l #	32
42) 1,2-Dichloroethane	8.08	62	26934	5.105	ug/l	89
43) Isopropyl Acetate	8.13	43	37161	4.913	ug/l #	89
44) Trichloroethene	8.80	130	15829	4.743	ug/l	87
45) 1,2-Dichloropropane	9.08	63	16001	4.910	ug/l	95
46) Dibromomethane	9.17	93	10893	4.937	ug/l	93
47) Bromodichloromethane	9.37	83	24418	5.028	ug/l	97
48) Methyl methacrylate	9.16	41	18562	4.724	ug/l	95
49) 1,4-Dioxane	9.17	88	5710	118.272	ug/l #	84
51) 4-Methyl-2-Pentanone	9.95	43	100517	24.576	ug/l	98
52) Toluene	10.12	92	38607	4.945	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	25506	4.750	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	25906	4.567	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	14757	4.980	ug/l	95
56) Ethyl methacrylate	10.40	69	21279	4.641	ug/l	96
57) 1,3-Dichloropropane	10.68	76	25292	4.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	56708	24.100	ug/l	96
59) 2-Hexanone	10.72	43	73017	24.361	ug/l	99
60) Dibromochloromethane	10.87	129	16294	4.252	ug/l	97
61) 1,2-Dibromoethane	10.97	107	14657	4.675	ug/l	95
64) Tetrachloroethene	10.60	164	17276	5.290	ug/l	92
65) Chlorobenzene	11.40	112	39766	4.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	14835	4.482	ug/l	95
67) Ethyl Benzene	11.48	91	71888	4.682	ug/l	100
68) m/p-Xylenes	11.59	106	53344	9.371	ug/l	95
69) o-Xylene	11.92	106	26420	4.831	ug/l	96
70) Styrene	11.94	104	40979	4.451	ug/l	95
71) Bromoform	12.10	173	12006	4.685	ug/l #	94
73) Isopropylbenzene	12.22	105	67722	5.008	ug/l	97
74) N-amyl acetate	12.05	43	27766	4.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	19836	5.453	ug/l	94
76) 1,2,3-Trichloropropane	12.53	75	27673	7.143	ug/l #	100
77) Bromobenzene	12.50	156	16687	5.188	ug/l	99
78) n-propylbenzene	12.56	91	75072	4.907	ug/l	100
79) 2-Chlorotoluene	12.65	91	48714	5.182	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	56649	4.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6380	4.248	ug/l #	82
82) 4-Chlorotoluene	12.75	91	49075	5.009	ug/l	96
83) tert-Butylbenzene	12.96	119	46272	4.934	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	56476	4.947	ug/l	100
85) sec-Butylbenzene	13.14	105	59645	5.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	55121	5.115	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	29764	5.223	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	29729	5.109	ug/l	93
89) n-Butylbenzene	13.59	91	48699	5.077	ug/l	96
90) Hexachloroethane	13.85	117	10432	5.250	ug/l	94
91) 1,2-Dichlorobenzene	13.62	146	26938	4.828	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4385	4.801	ug/l	95

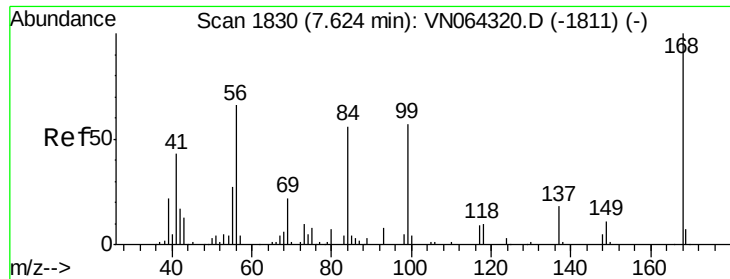
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064318.D
Acq On : 27 Oct 2020 10:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Oct 27 11:42:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 11:34:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	12261	3.948	ug/l	90
94) Hexachlorobutadiene	14.98	225	8926	5.306	ug/l	98
95) Naphthalene	15.10	128	32920	3.530	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	10770	3.501	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

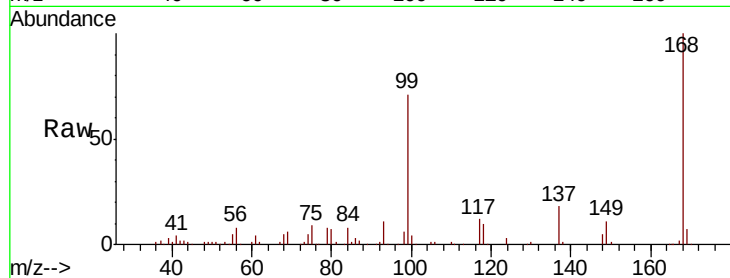
VSTDIC005

Tot Ion:168 Resp: 272876

Ion Ratio Lower Upper

168 100

99 71.2 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

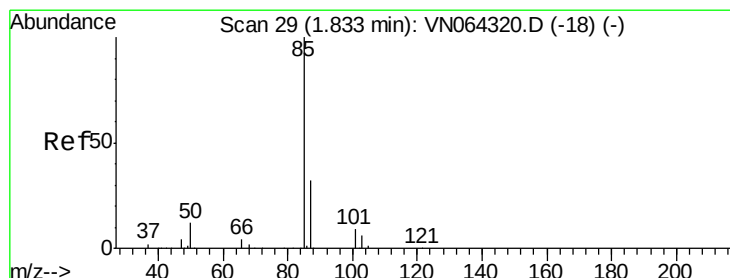
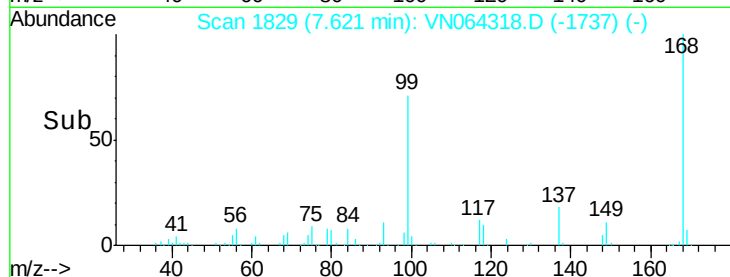
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 5.043 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064318.D

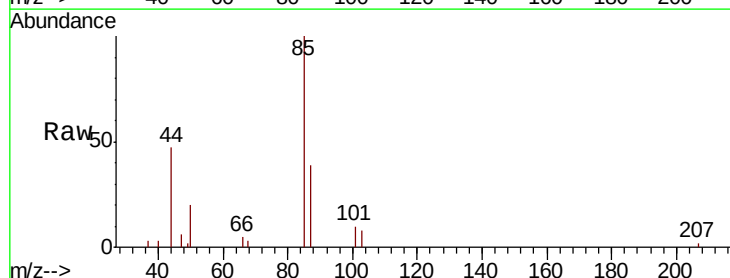
Acq: 27 Oct 2020 10:29

Tgt Ion: 85 Resp: 14956

Ion Ratio Lower Upper

85 100

87 38.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

12000

10000

8000

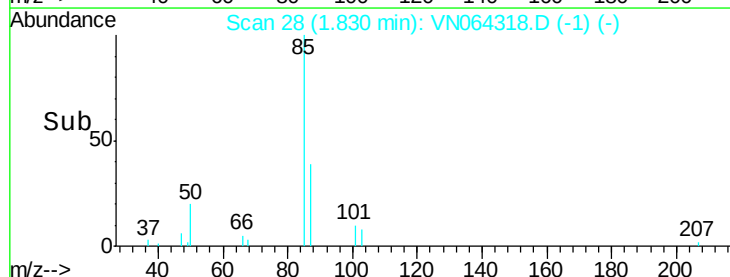
6000

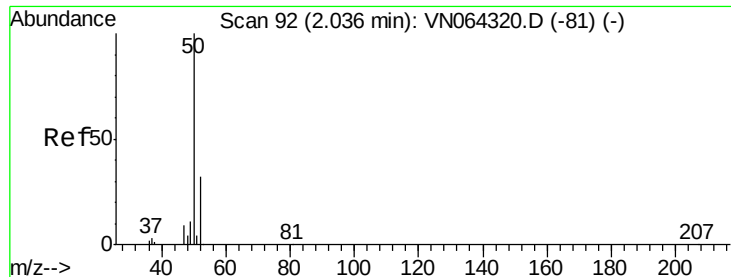
4000

2000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 5.391 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

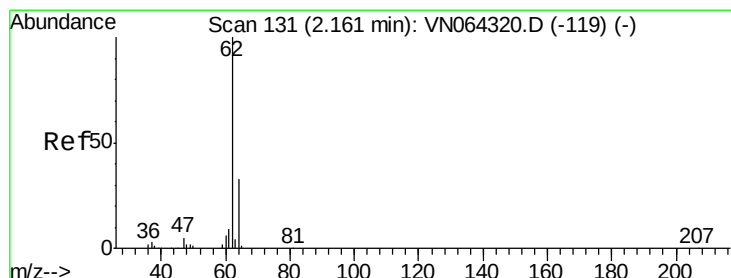
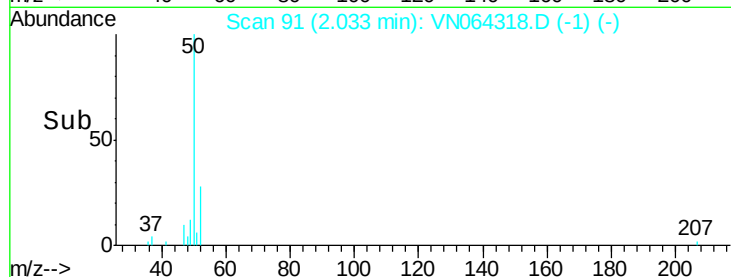
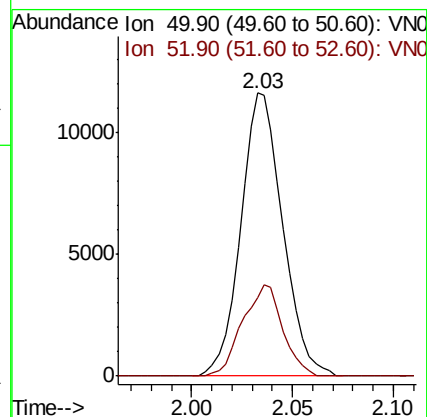
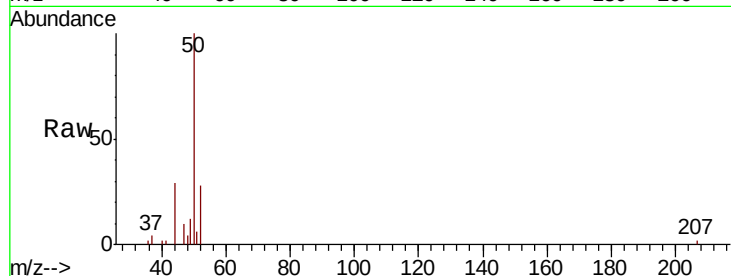
VSTDIC005

Tot Ion: 50 Resp: 16920

Ion Ratio Lower Upper

50 100

52 28.0 25.6 38.4



#4

Vinyl Chloride

Concen: 5.063 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064318.D

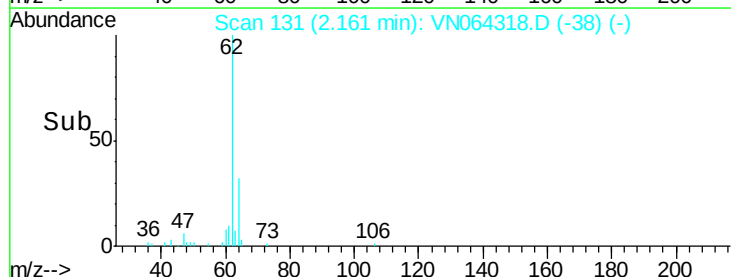
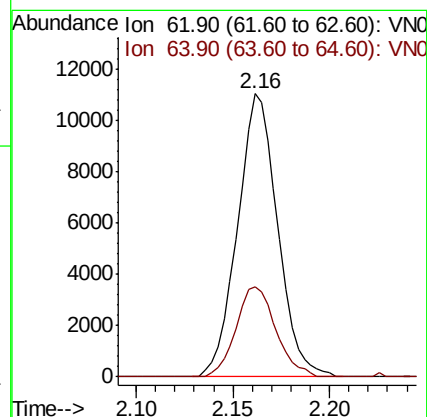
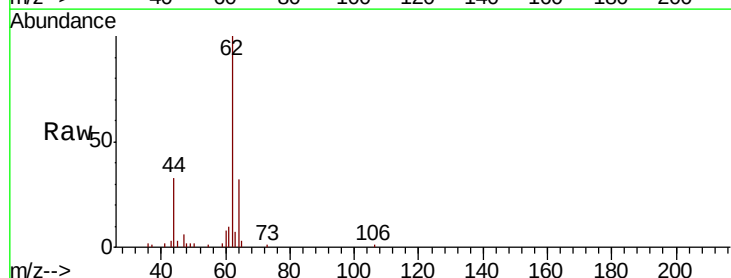
Acq: 27 Oct 2020 10:29

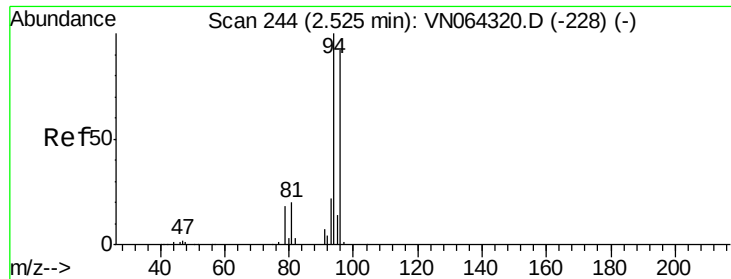
Tgt Ion: 62 Resp: 15874

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 5.624 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

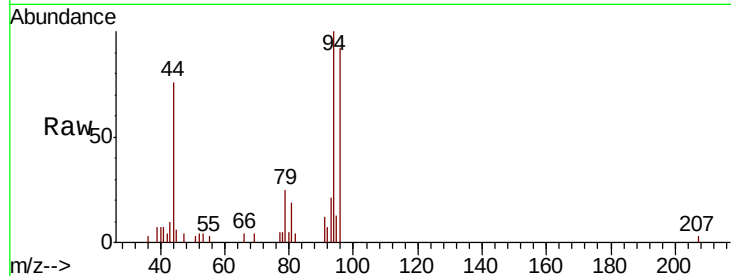
VSTDIC005

Tot Ion: 94 Resp: 11532

Ion Ratio Lower Upper

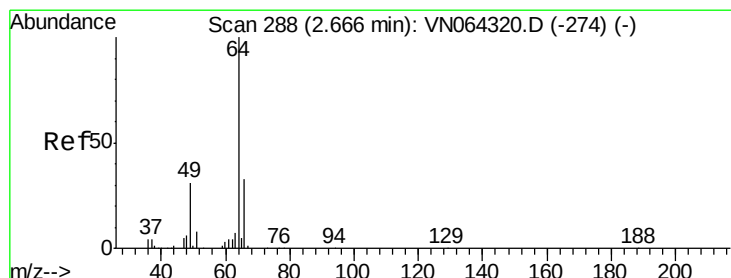
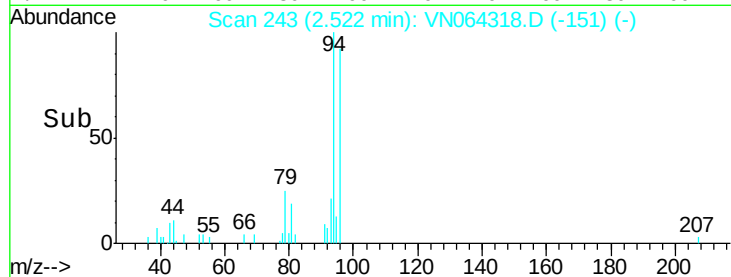
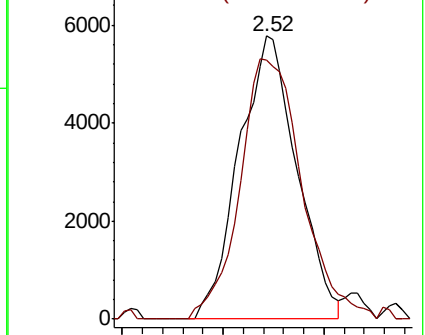
94 100

96 91.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.089 ug/l

RT: 2.67 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN064318.D

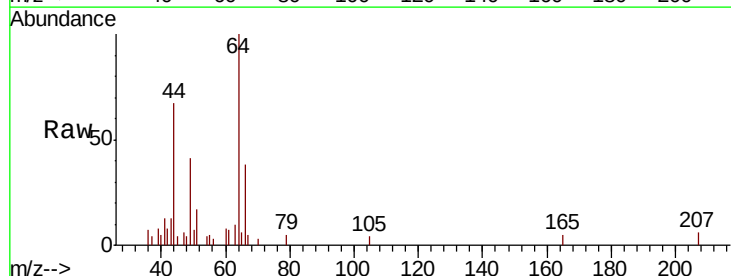
Acq: 27 Oct 2020 10:29

Tgt Ion: 64 Resp: 9666

Ion Ratio Lower Upper

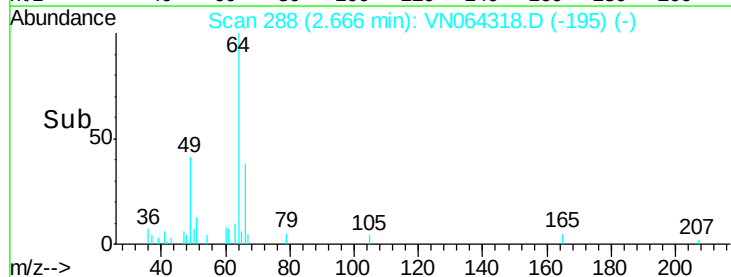
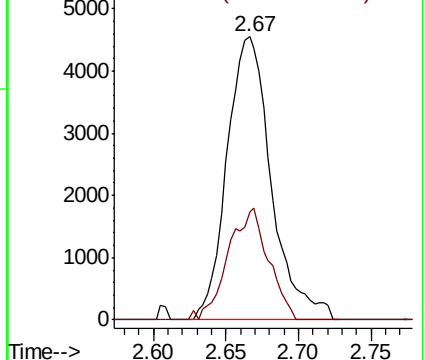
64 100

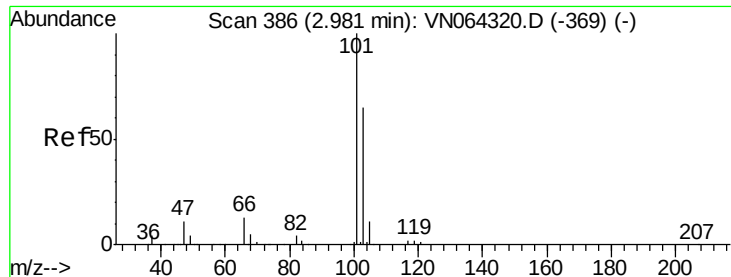
66 38.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



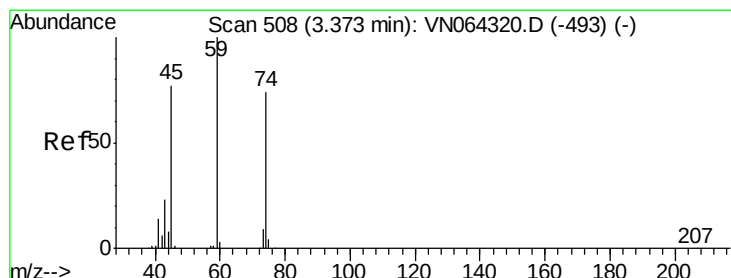
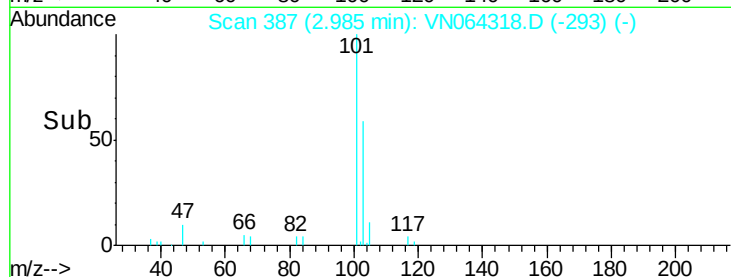
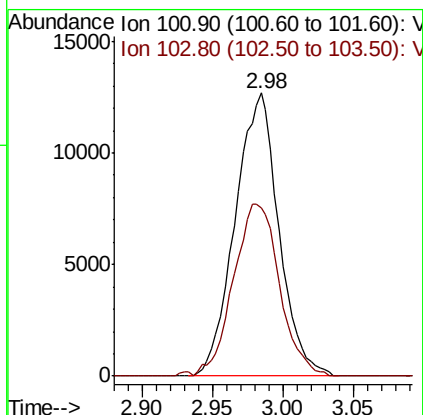
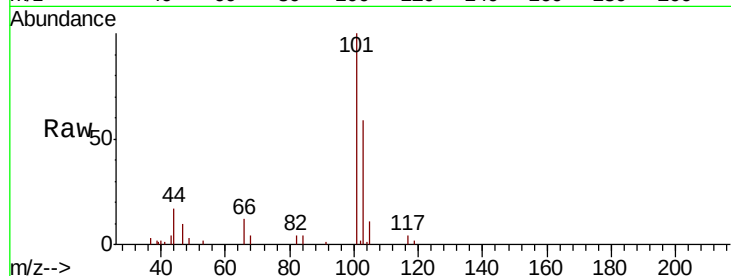


#7

Trichlorofluoromethane
 Concen: 5.326 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

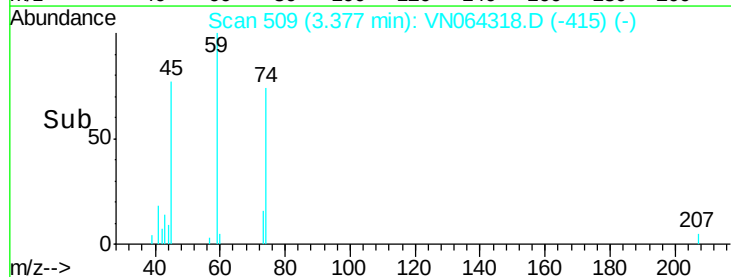
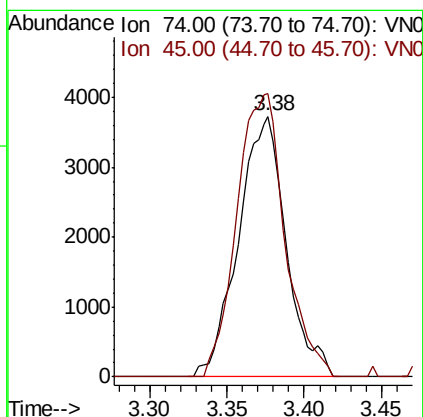
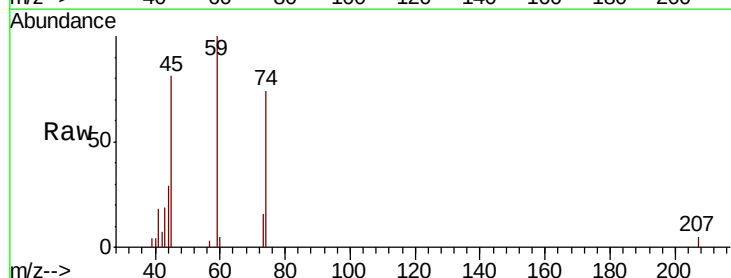
Tot Ion:101 Resp: 27479
 Ion Ratio Lower Upper
 101 100
 103 59.2 51.7 77.5

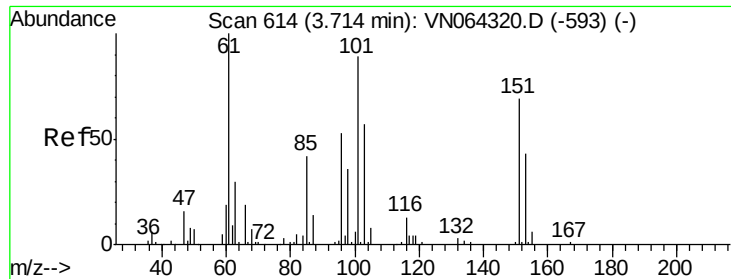


#8

Diethyl Ether
 Concen: 4.696 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 74 Resp: 8005
 Ion Ratio Lower Upper
 74 100
 45 109.7 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.445 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

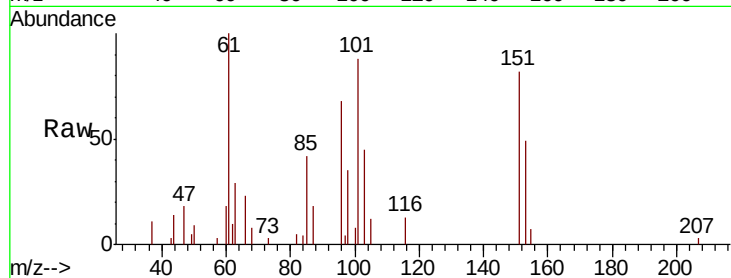
Tot Ion:101 Resp: 14497

Ion Ratio Lower Upper

101 100

85 52.5 38.4 57.6

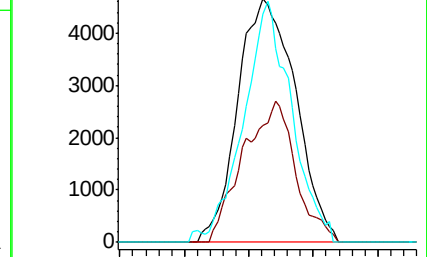
151 81.1 62.0 93.0



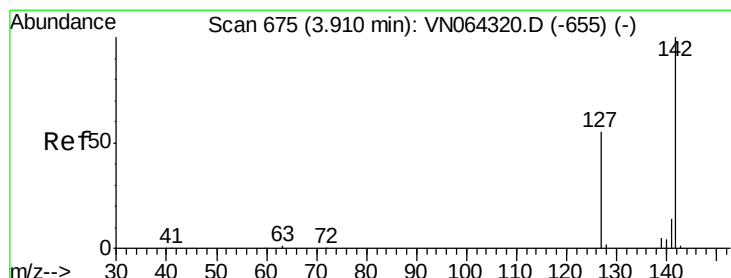
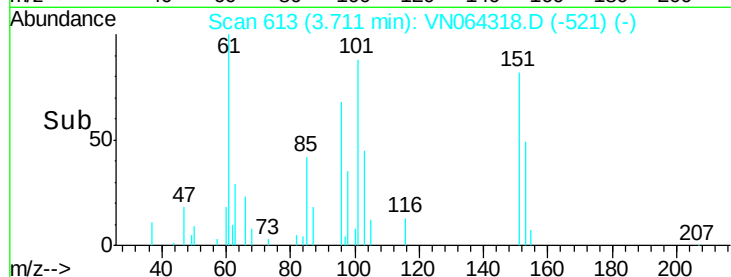
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



Time--> 3.60 3.65 3.70 3.75 3.80



#10

Methyl Iodide

Concen: 4.377 ug/l

RT: 3.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

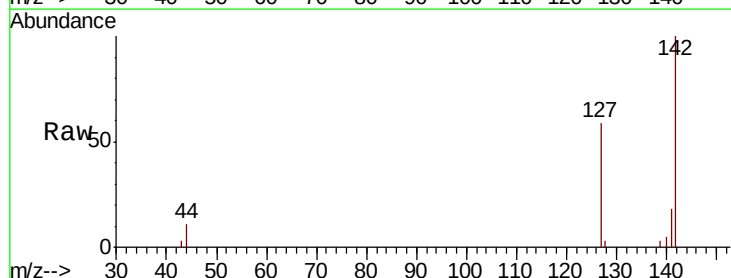
Tgt Ion:142 Resp: 16474

Ion Ratio Lower Upper

142 100

127 57.2 43.3 64.9

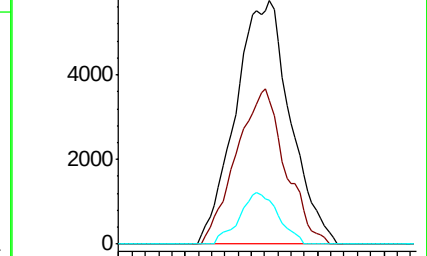
141 15.0 11.5 17.3



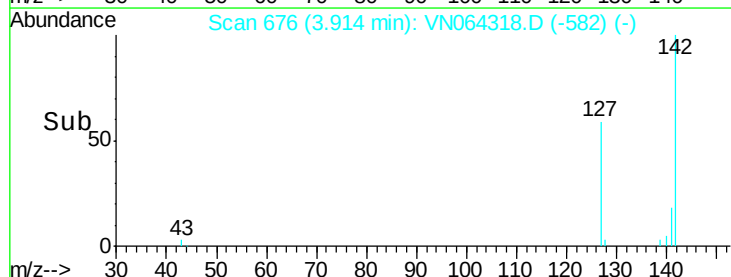
Abundance Ion 141.80 (141.50 to 142.50): V

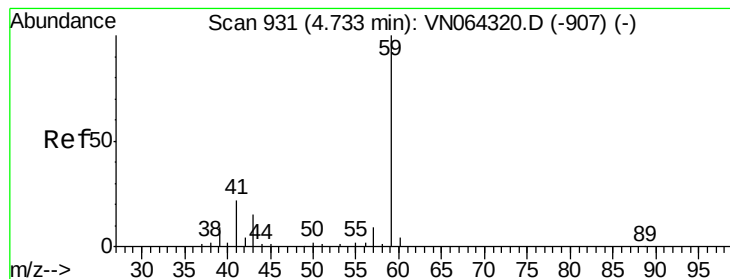
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time--> 3.80 3.85 3.90 3.95 4.00



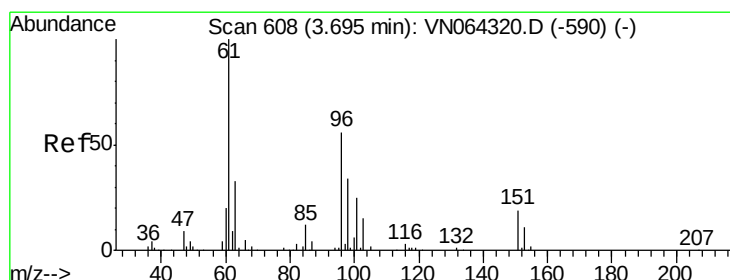
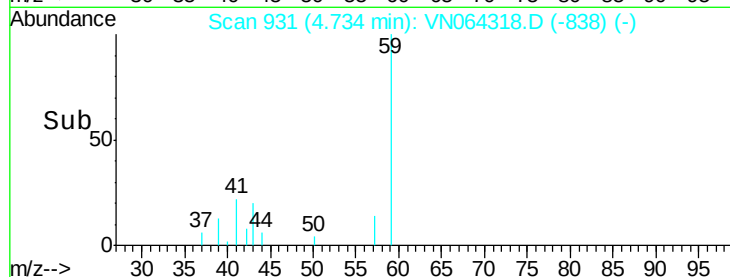
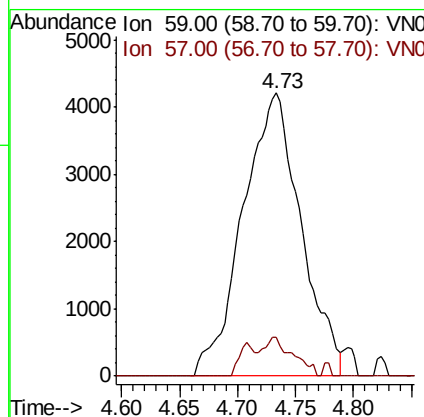
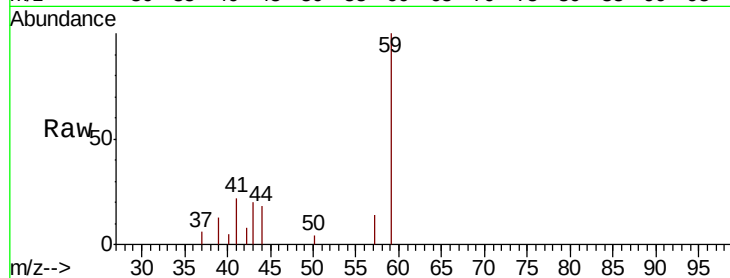


#11

Tert butyl alcohol
 Concen: 25.952 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

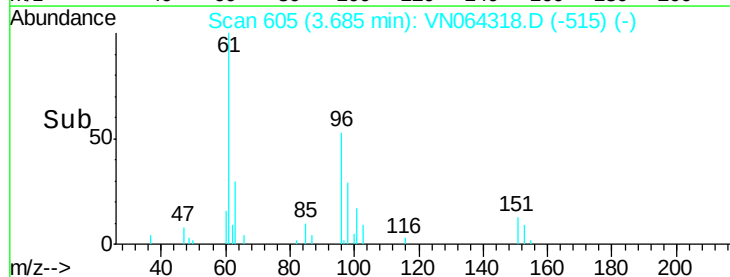
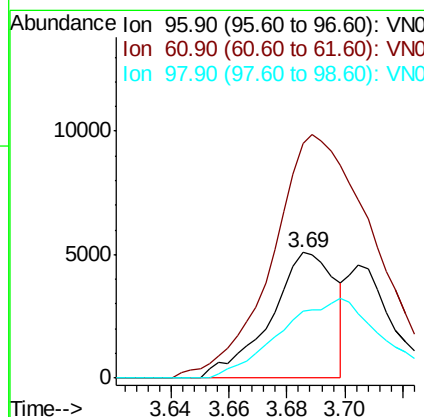
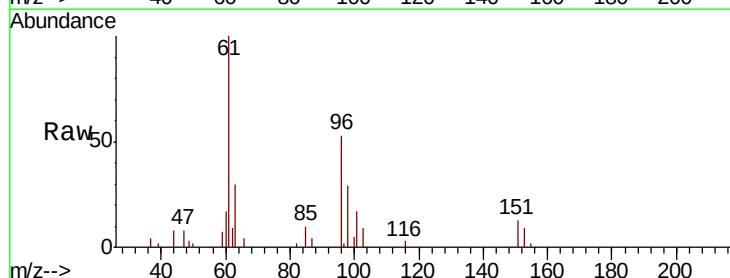
Tot Ion: 59 Resp: 14662
 Ion Ratio Lower Upper
 59 100
 57 6.9 9.4 14.0#

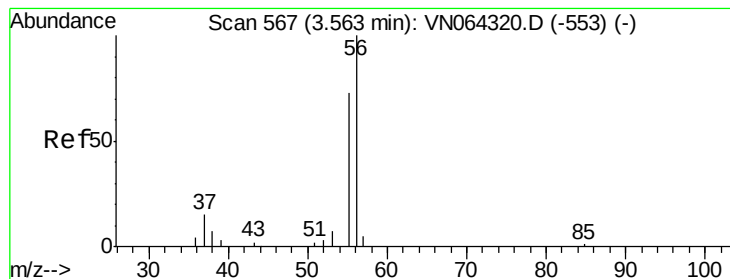


#12

1,1-Dichloroethene
 Concen: 3.083 ug/l
 RT: 3.69 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 96 Resp: 7899
 Ion Ratio Lower Upper
 96 100
 61 180.7 143.6 215.4
 98 53.5 48.6 73.0





#13

Acrolein

Concen: 18.484 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

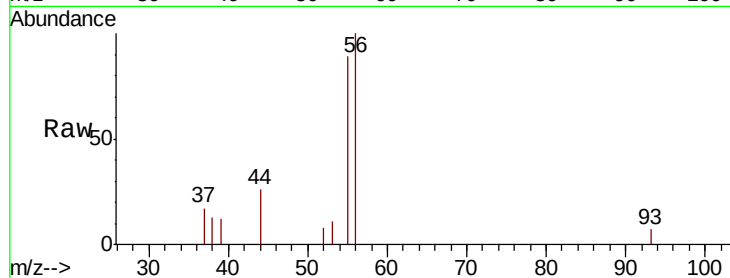
VSTDIC005

Tot Ion: 56 Resp: 5577

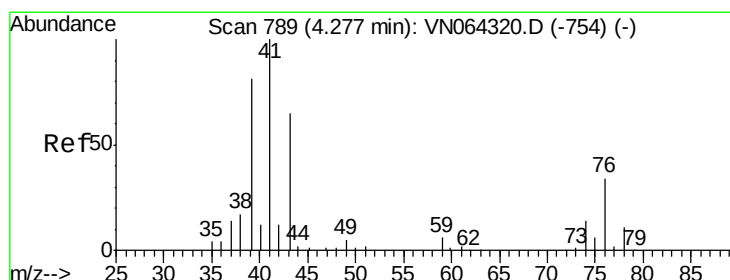
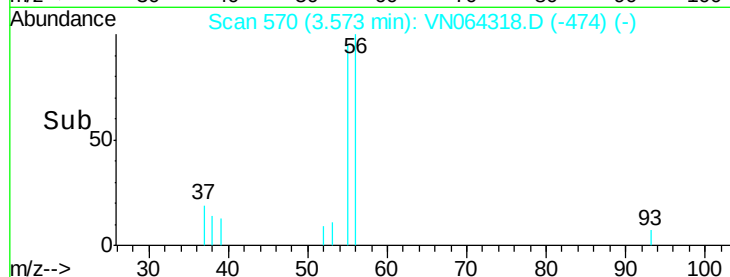
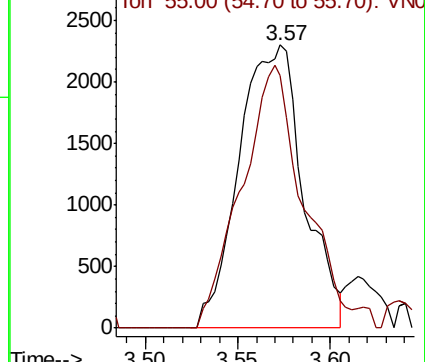
Ion Ratio Lower Upper

56 100

55 88.8 62.6 94.0



Abundance Ion 56.00 (55.70 to 56.70): VN064318.D (-474) (-)



#14

Allyl chloride

Concen: 4.937 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

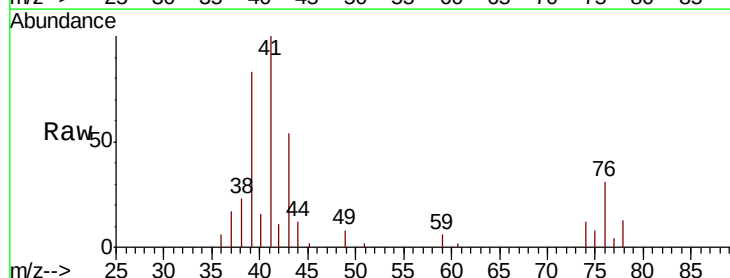
Tgt Ion: 41 Resp: 25268

Ion Ratio Lower Upper

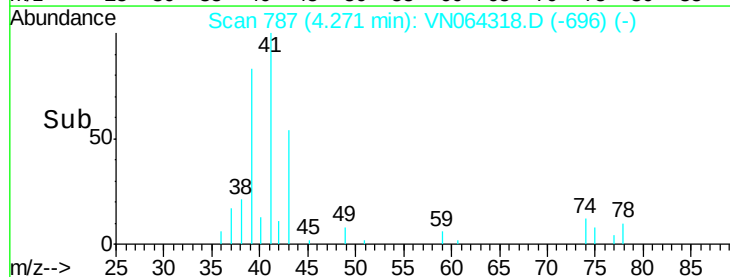
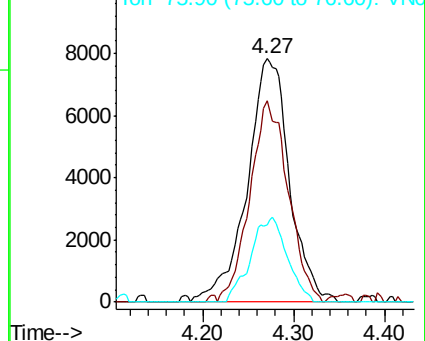
41 100

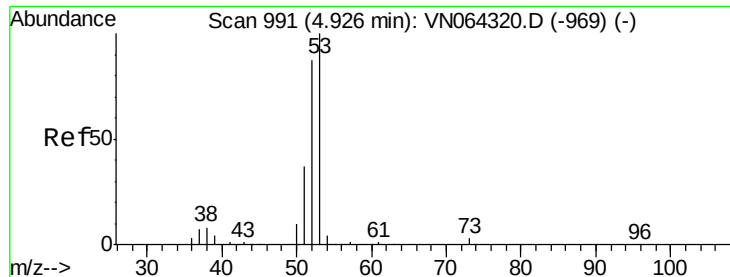
39 74.9 61.7 92.5

76 30.1 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VN064318.D (-696) (-)





#15

Acrylonitrile

Concen: 26.741 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

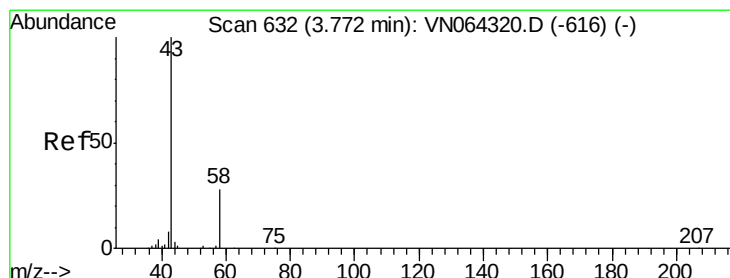
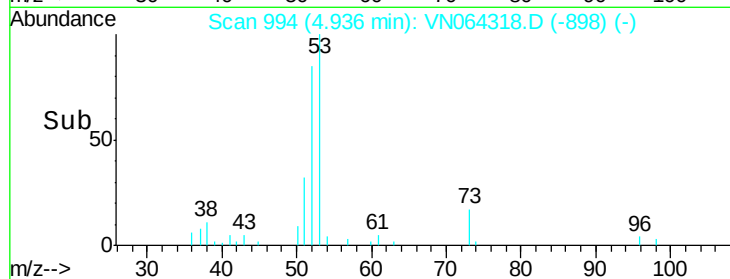
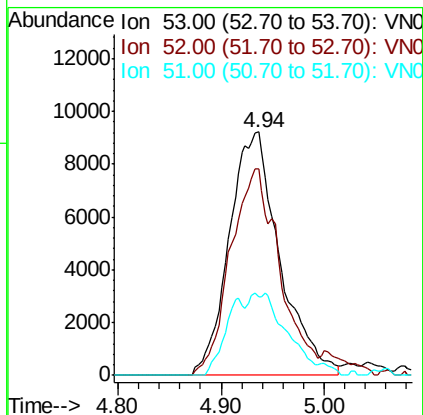
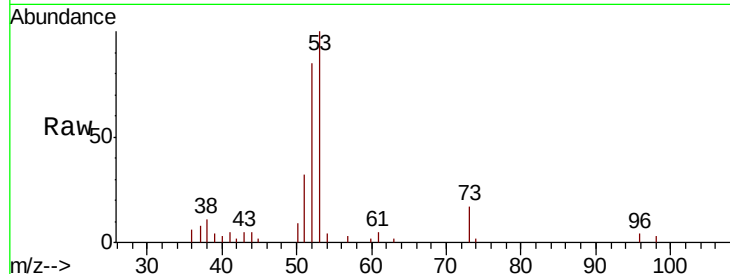
Tot Ion: 53 Resp: 31392

Ion Ratio Lower Upper

53 100

52 82.2 65.9 98.9

51 12.8 30.4 45.6#



#16

Acetone

Concen: 29.717 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064318.D

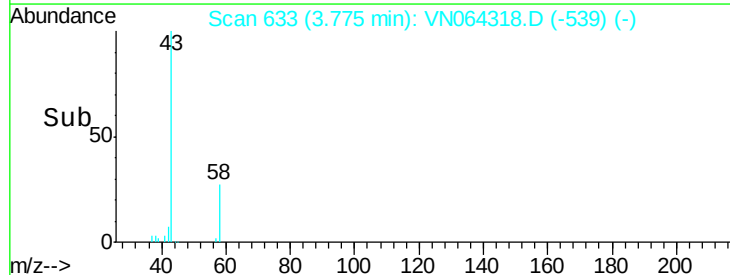
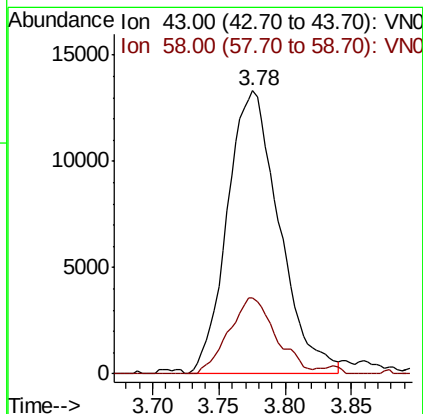
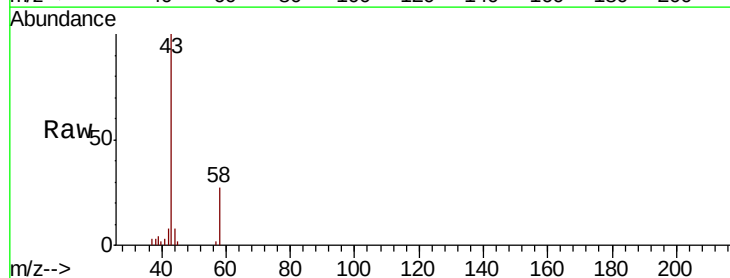
Acq: 27 Oct 2020 10:29

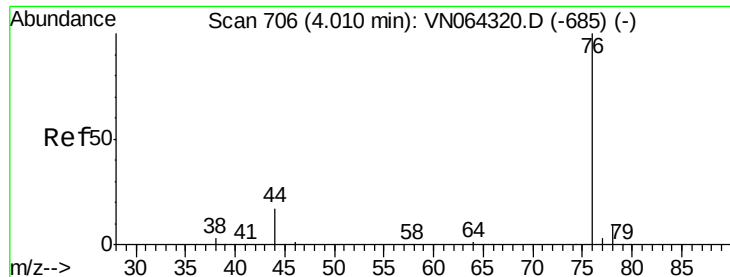
Tgt Ion: 43 Resp: 36359

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1

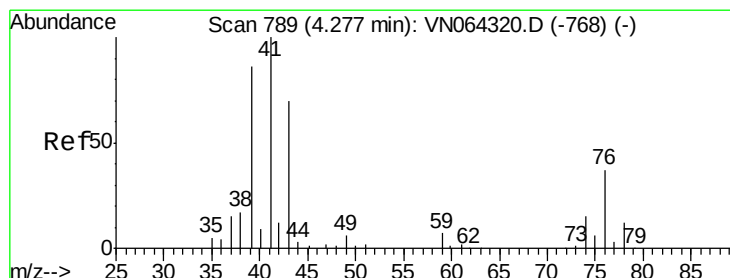
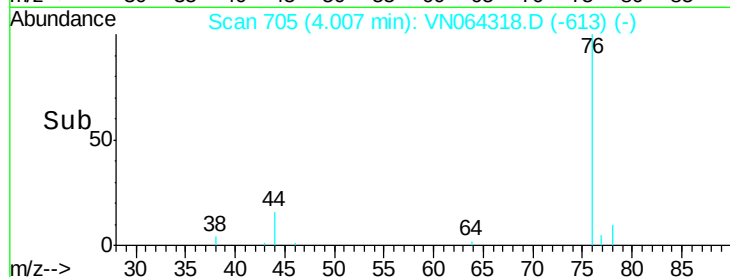
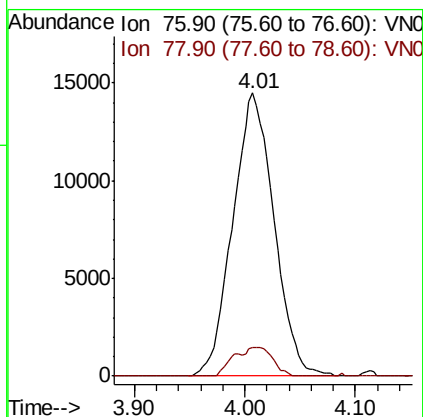
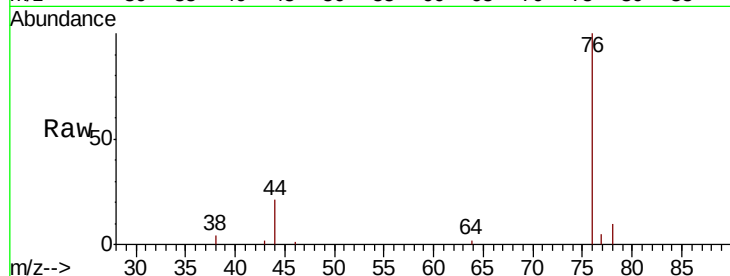




#17
Carbon Disulfide
Concen: 5.138 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

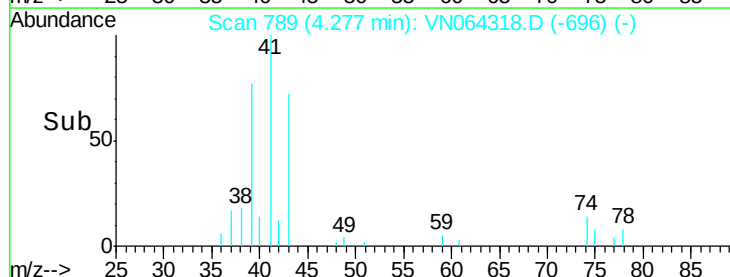
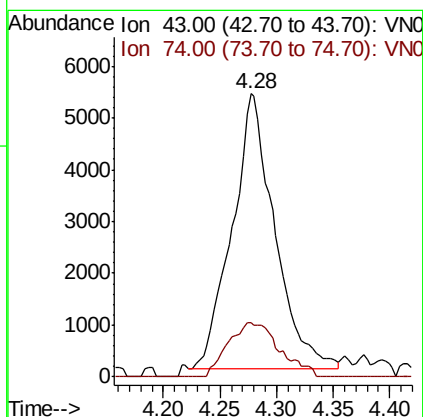
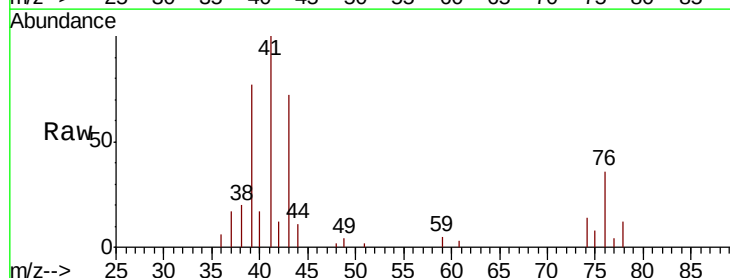
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

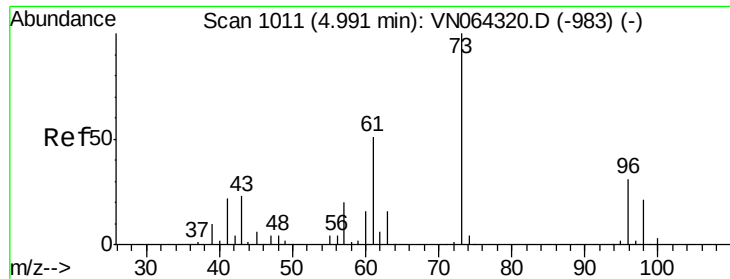
Tot Ion: 76 Resp: 37515
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#18
Methyl Acetate
Concen: 4.617 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 43 Resp: 13966
Ion Ratio Lower Upper
43 100
74 23.7 16.7 25.1

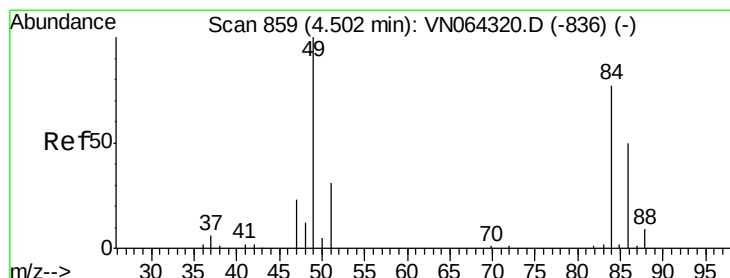
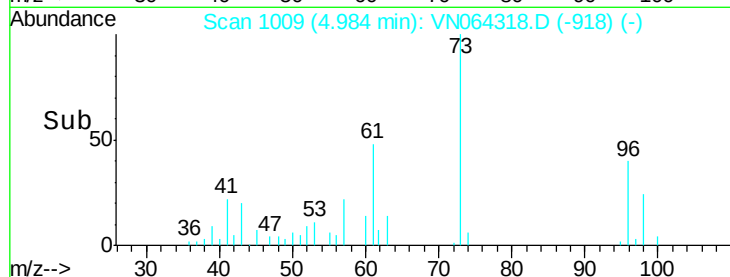
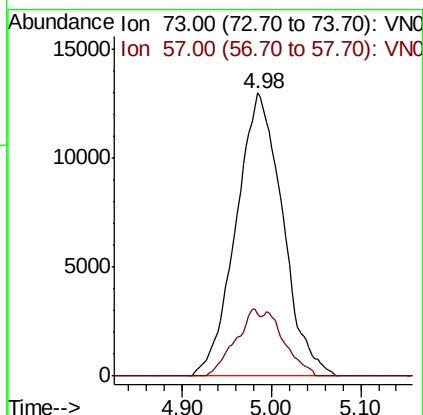
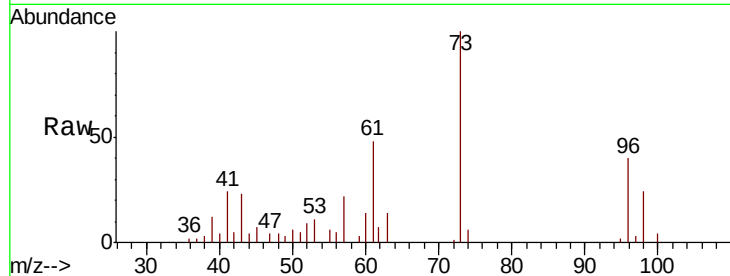




#19
Methyl tert-butyl Ether
Concen: 5.228 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

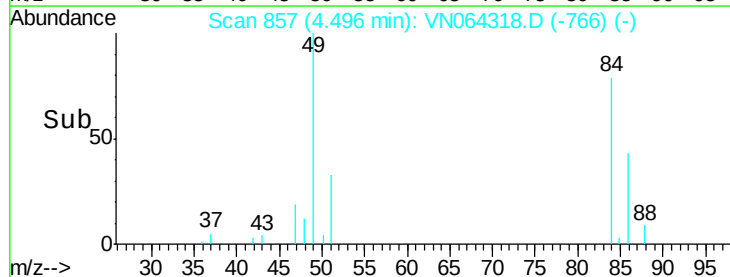
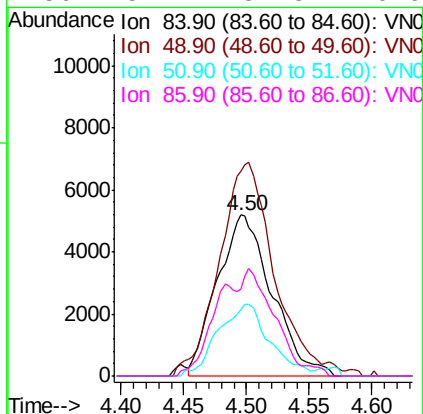
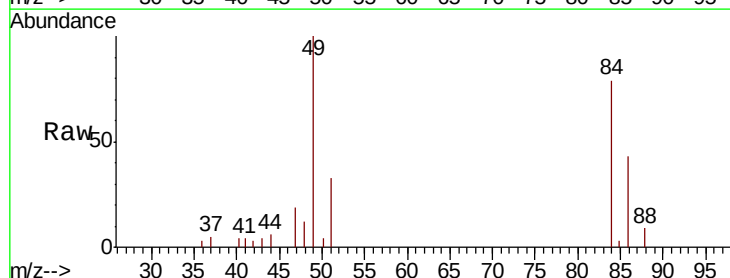
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

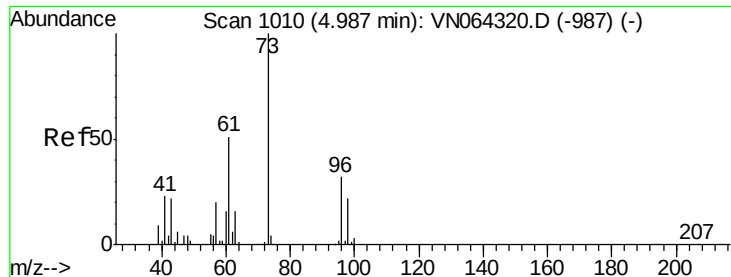
Tot Ion: 73 Resp: 47073
Ion Ratio Lower Upper
73 100
57 22.0 16.1 24.1



#20
Methylene Chloride
Concen: 5.076 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 84 Resp: 15773
Ion Ratio Lower Upper
84 100
49 122.3 103.6 155.4
51 37.8 31.8 47.8
86 54.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.301 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

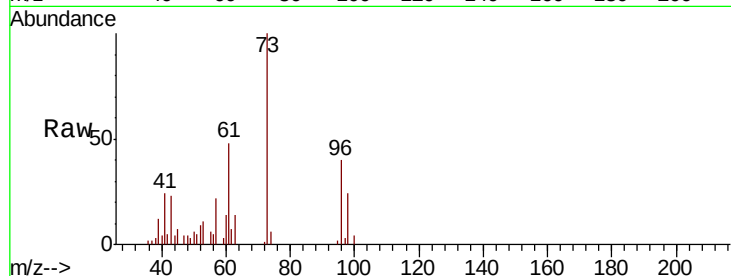
Tot Ion: 96 Resp: 14956

Ion Ratio Lower Upper

96 100

61 120.1 128.2 192.2#

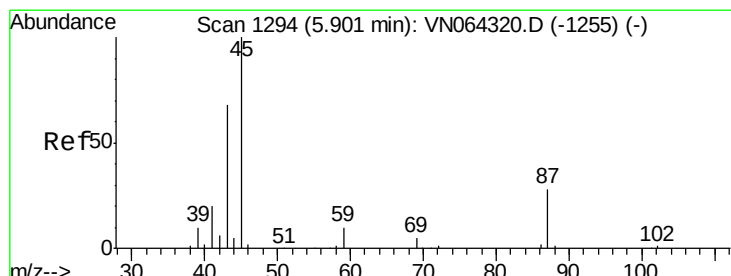
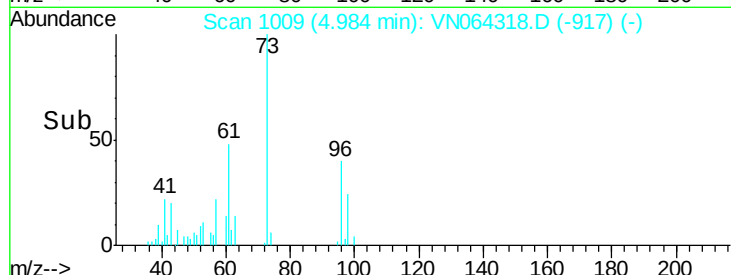
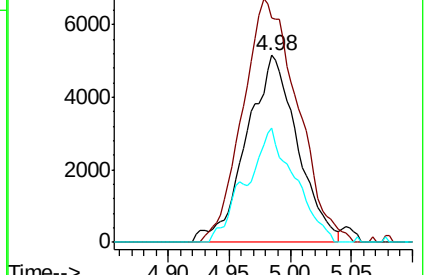
98 61.0 56.1 84.1



Abundance Ion 95.90 (95.60 to 96.60): VN064320.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064320.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064320.D (-987) (-)



#22

Diisopropyl ether

Concen: 5.165 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion: 45 Resp: 50032

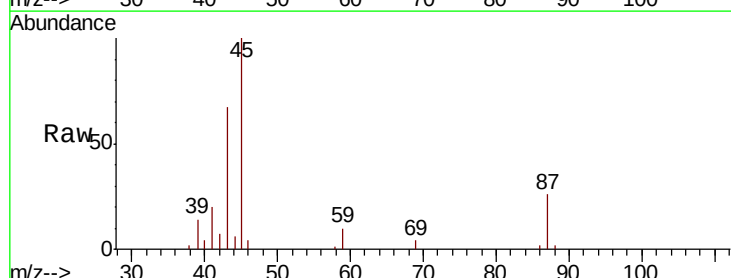
Ion Ratio Lower Upper

45 100

43 63.3 54.6 82.0

87 26.2 22.6 33.8

59 10.3 8.6 12.8

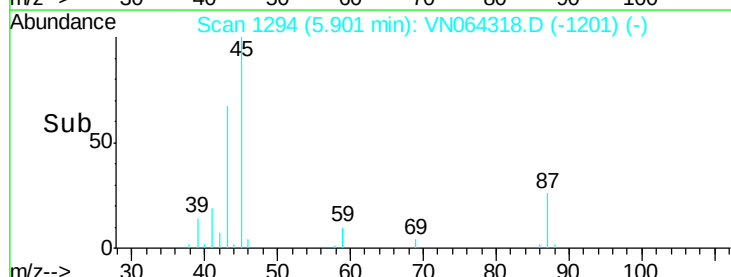
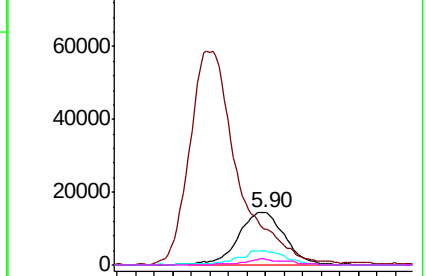


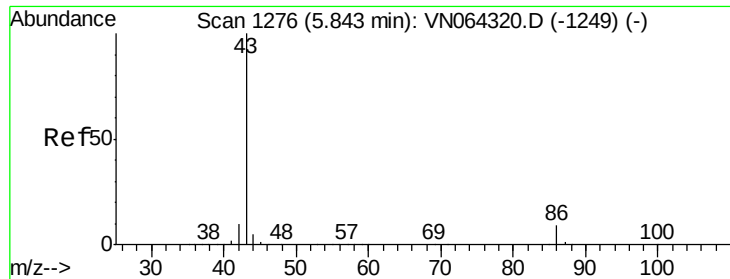
Abundance Ion 45.00 (44.70 to 45.70): VN064320.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN064320.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN064320.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN064320.D (-1255) (-)

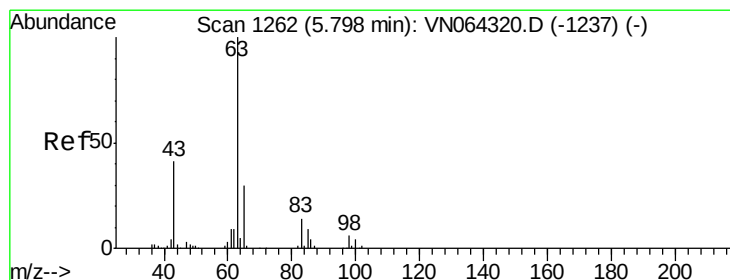
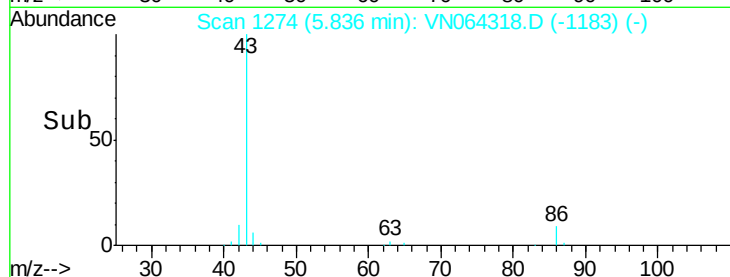
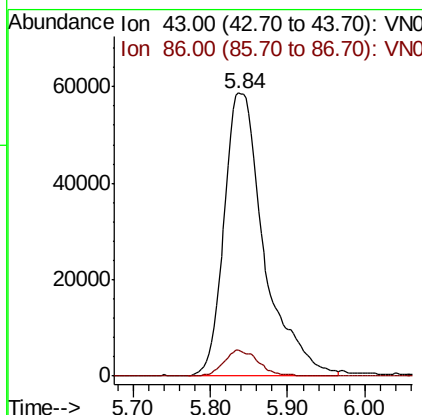
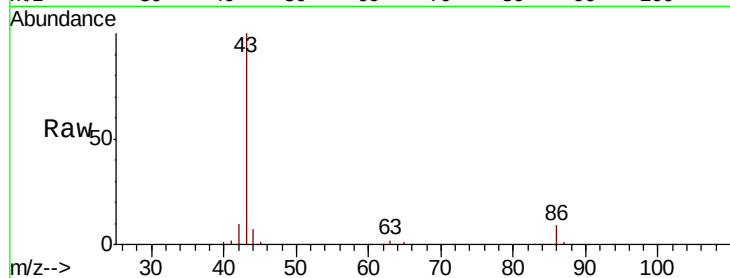




#23
 Vinyl Acetate
 Concen: 24.370 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

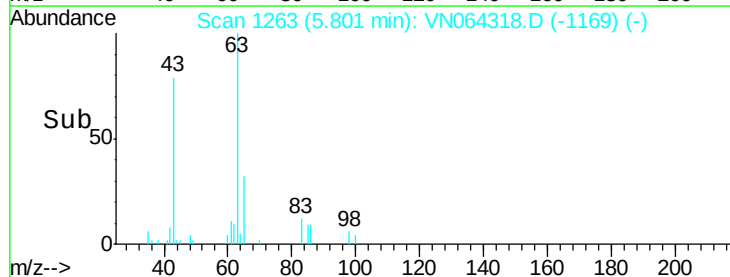
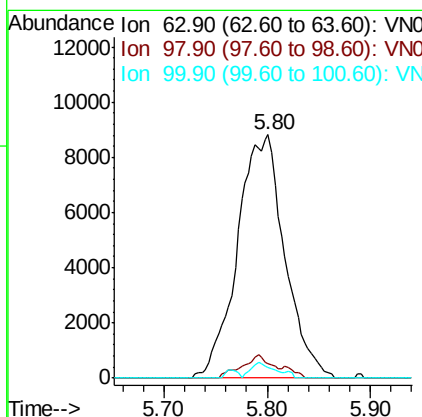
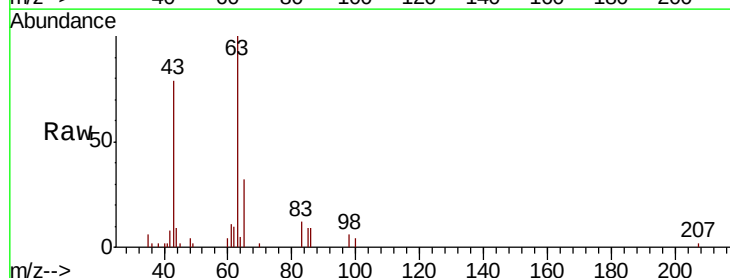
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

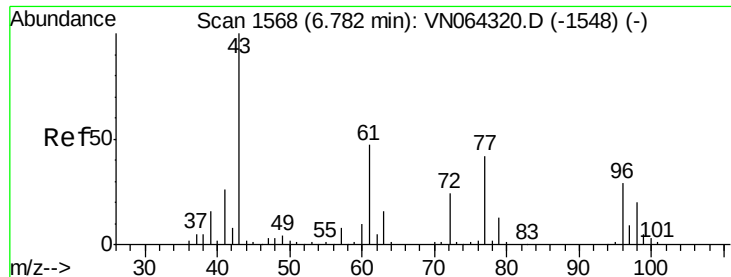
Tot Ion: 43 Resp: 209364
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 5.052 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 63 Resp: 28050
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.1 9.4
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 26.447 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

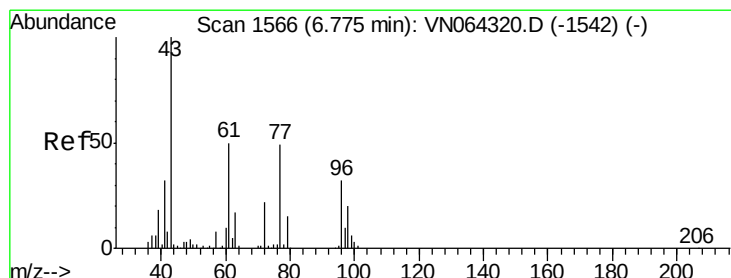
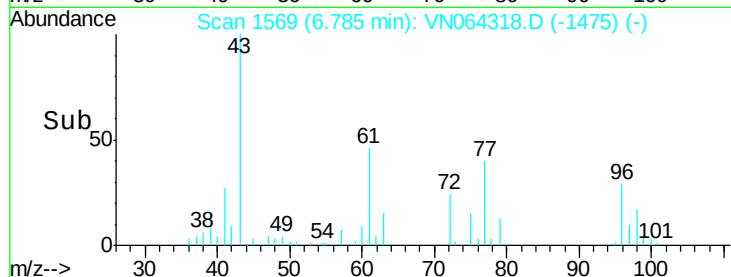
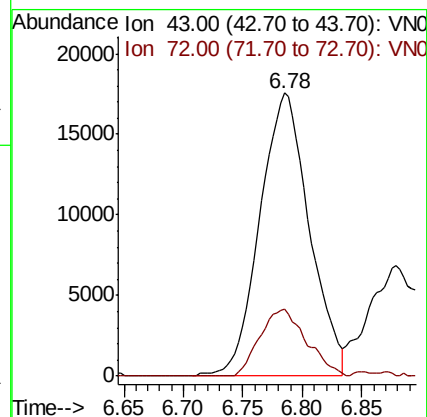
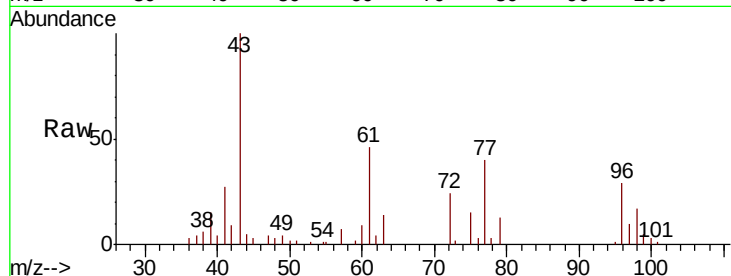
VSTDIC005

Tot Ion: 43 Resp: 50551

Ion Ratio Lower Upper

43 100

72 23.7 18.8 28.2



#26

2,2-Dichloropropane

Concen: 5.150 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064318.D

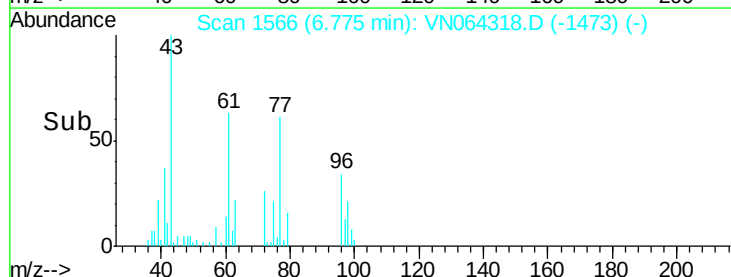
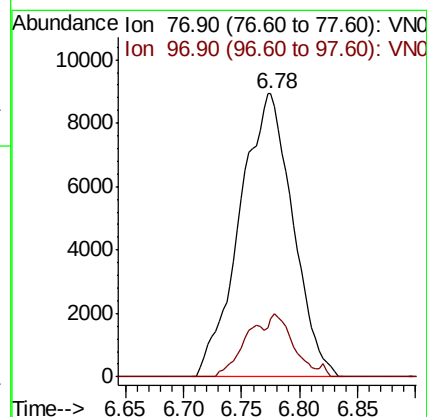
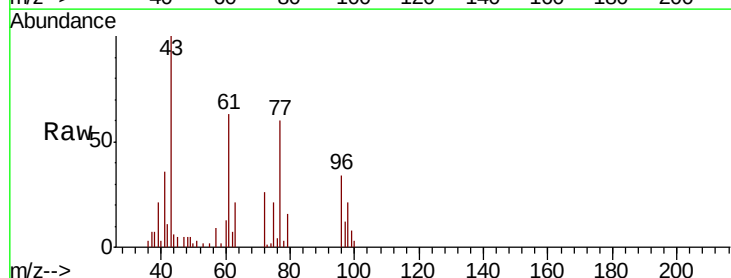
Acq: 27 Oct 2020 10:29

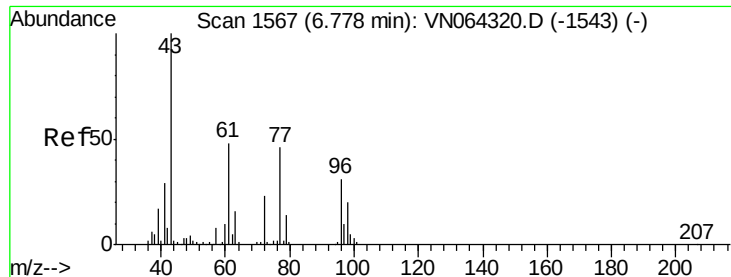
Tgt Ion: 77 Resp: 28436

Ion Ratio Lower Upper

77 100

97 8.0 10.2 30.6#





#27

cis-1,2-Dichloroethene

Concen: 2.537 ug/l

RT: 6.77 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

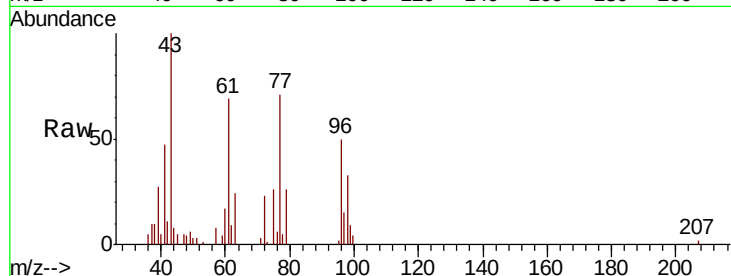
Tot Ion: 96 Resp: 8377

Ion Ratio Lower Upper

96 100

61 324.0 0.0 325.0

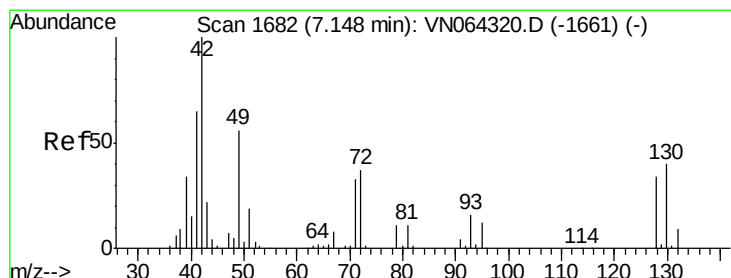
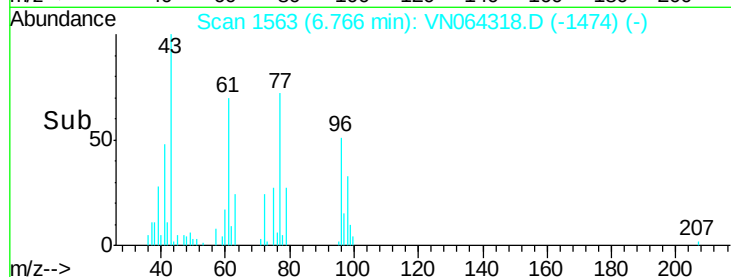
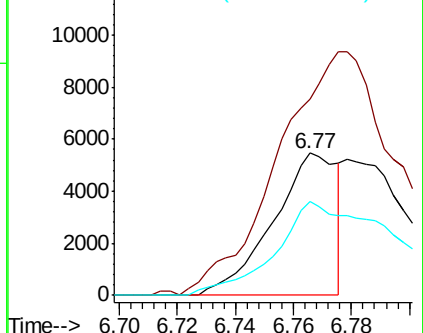
98 122.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN064318.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064318.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064318.D (-1474) (-)



#28

Bromochloromethane

Concen: 5.374 ug/l

RT: 7.15 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

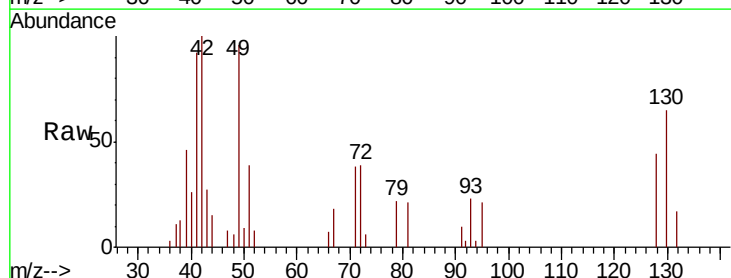
Tgt Ion: 49 Resp: 14195

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.8

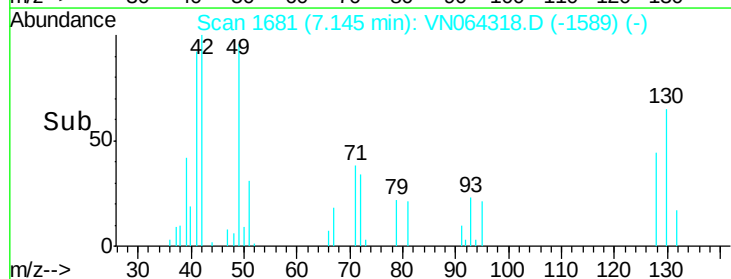
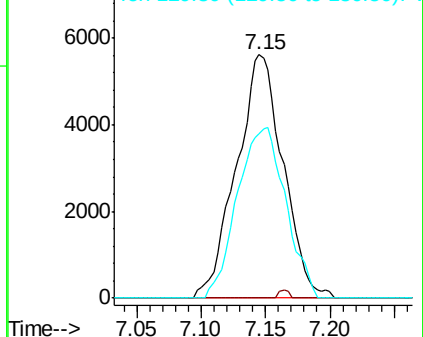
130 72.3 56.2 84.2

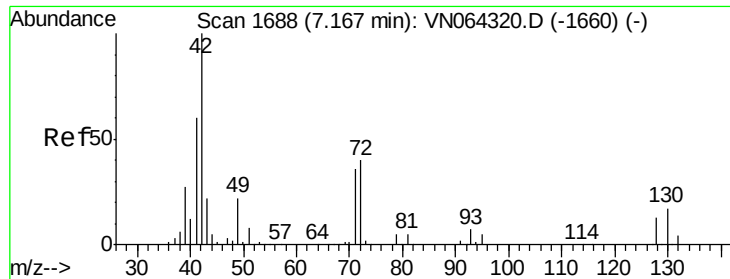


Abundance Ion 48.90 (48.60 to 49.60): VN064318.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064318.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064318.D (-1589) (-)

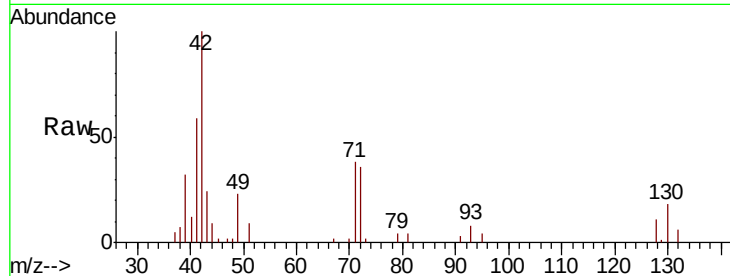




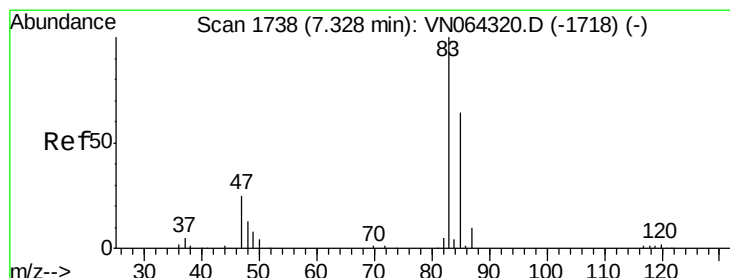
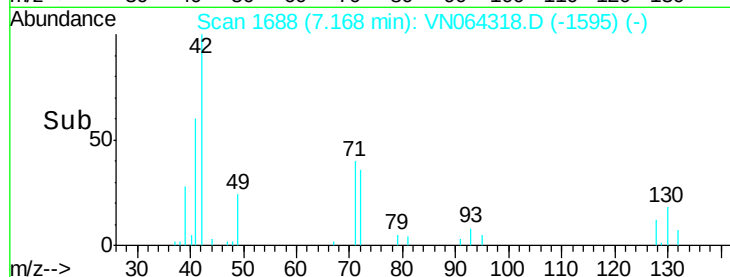
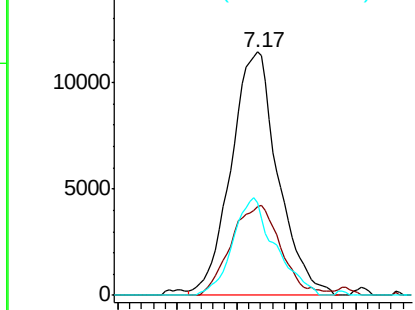
#29
Tetrahydrofuran
Concen: 26.936 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 42 Resp: 31238
Ion Ratio Lower Upper
42 100
72 39.3 31.6 47.4
71 36.3 29.4 44.0

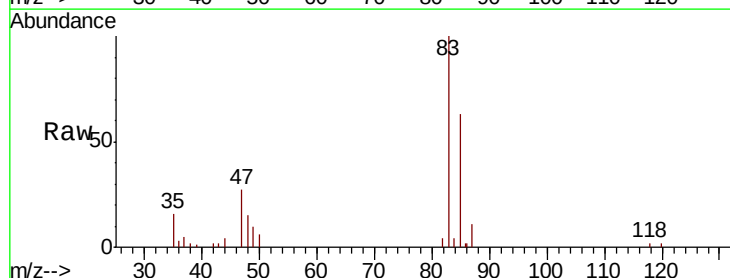


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

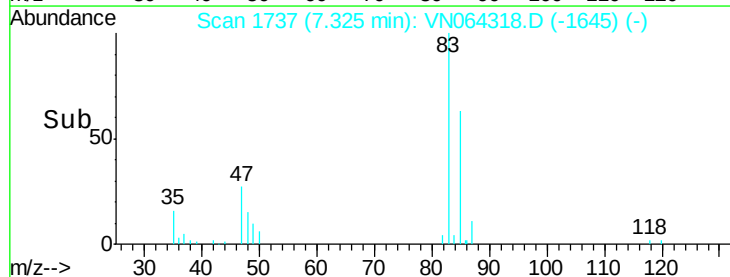
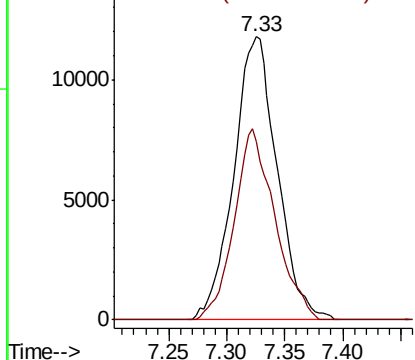


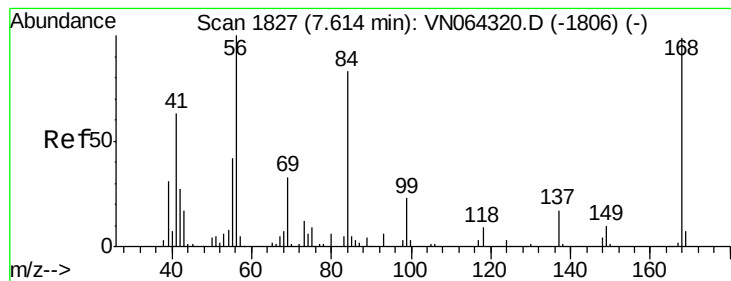
#30
Chloroform
Concen: 5.163 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 83 Resp: 30609
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7



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





#31

Cyclohexane

Concen: 5.868 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

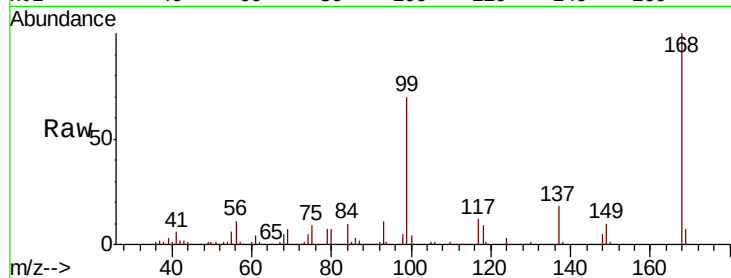
Tot Ion: 56 Resp: 28718

Ion Ratio Lower Upper

56 100

69 66.6 25.8 38.8#

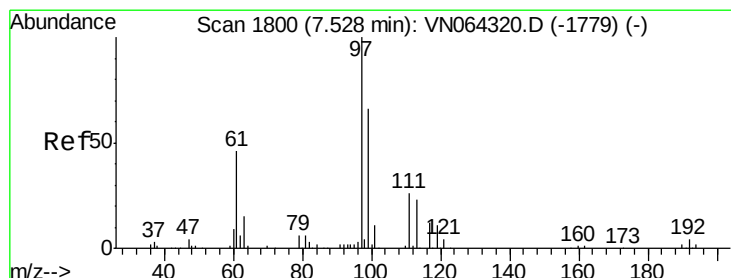
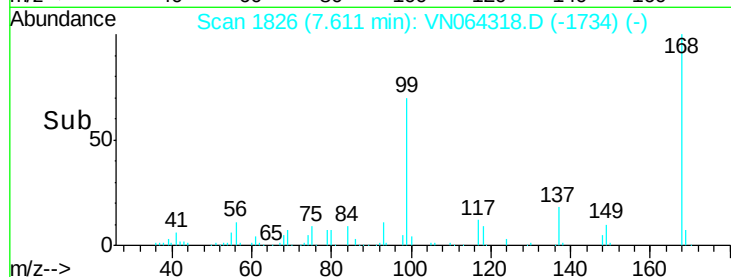
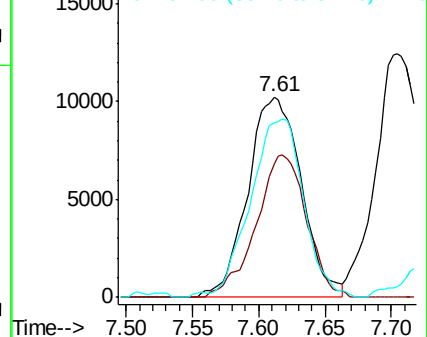
84 85.6 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VN064318.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064318.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064318.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 5.356 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

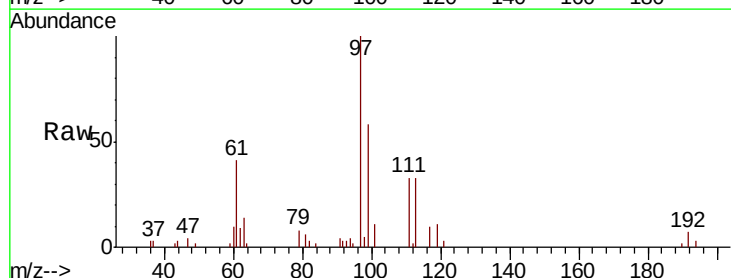
Tgt Ion: 97 Resp: 29716

Ion Ratio Lower Upper

97 100

99 63.0 50.6 76.0

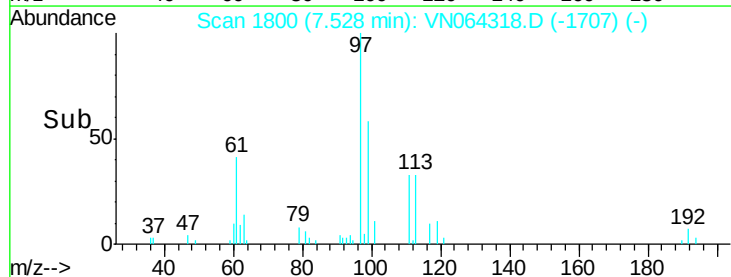
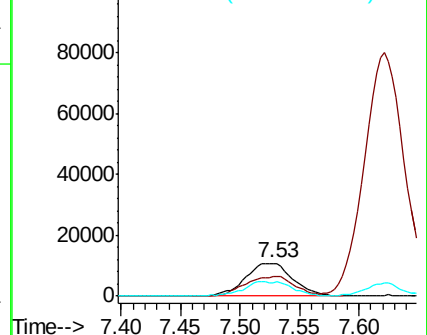
61 24.7 35.8 53.6#

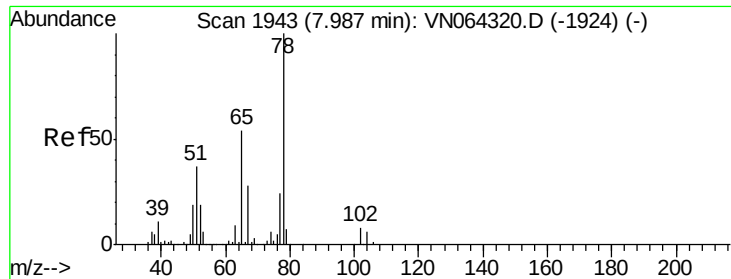


Abundance Ion 96.90 (96.60 to 97.60): VN064318.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064318.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064318.D (-1707) (-)

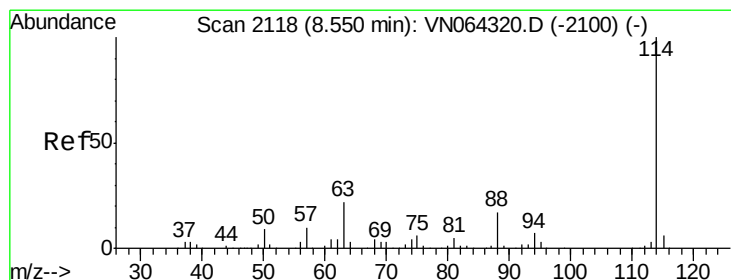
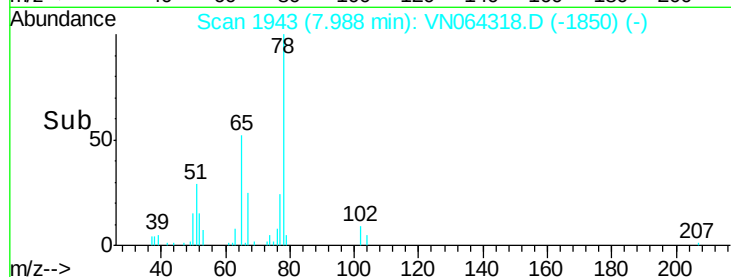
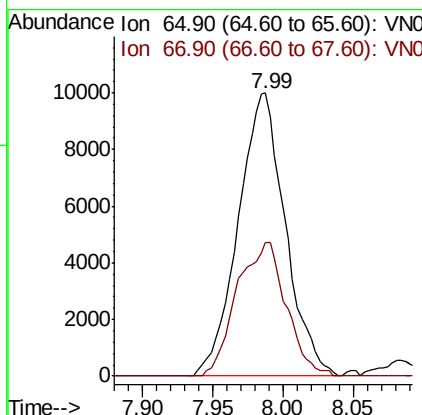
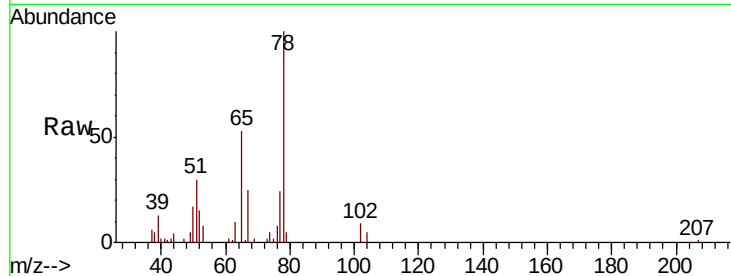




#33
 1,2-Dichloroethane-d4
 Concen: 5.703 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

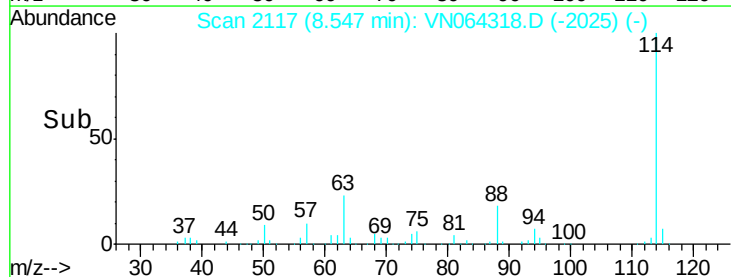
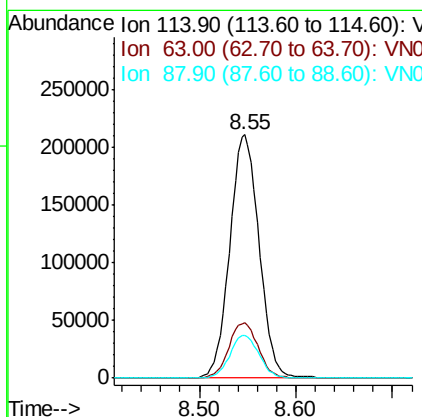
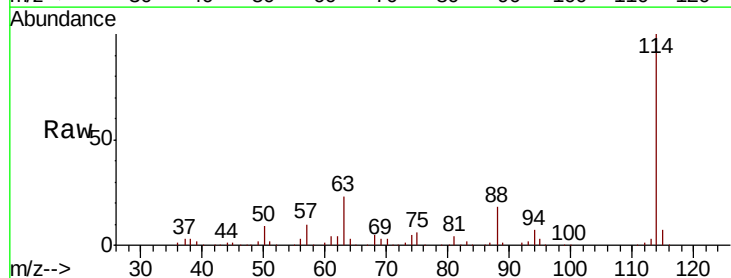
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

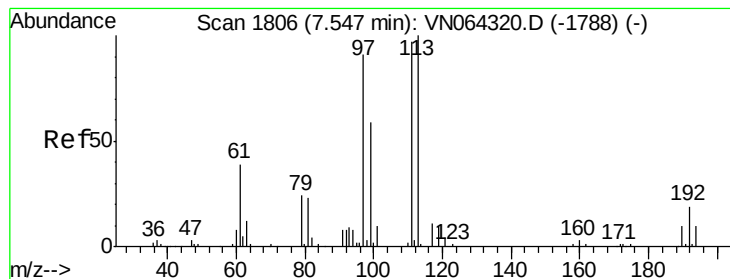
Tot Ion: 65 Resp: 23369
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 114 Resp: 443424
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.6
 88 17.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 4.898 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

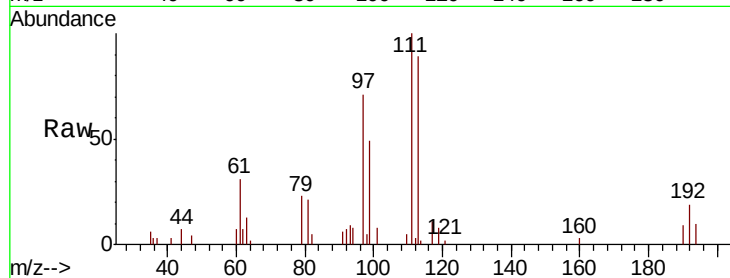
Tot Ion:113 Resp: 14487

Ion Ratio Lower Upper

113 100

111 106.8 81.5 122.3

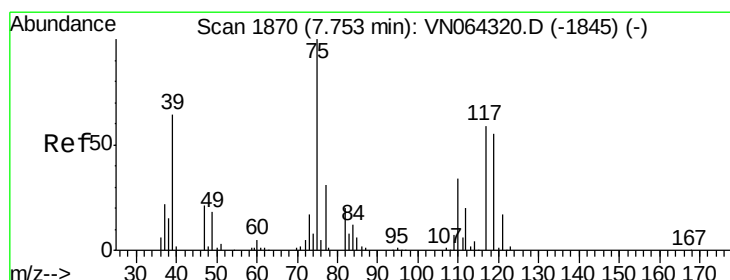
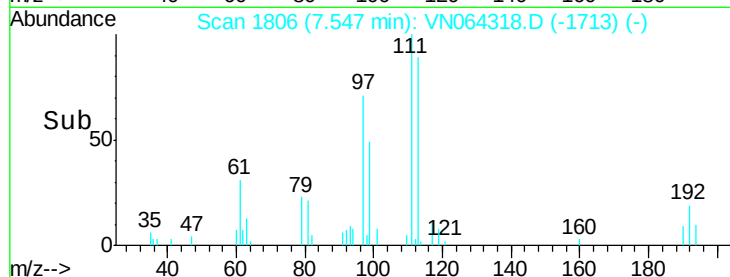
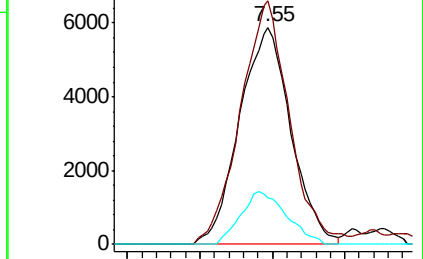
192 21.7 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

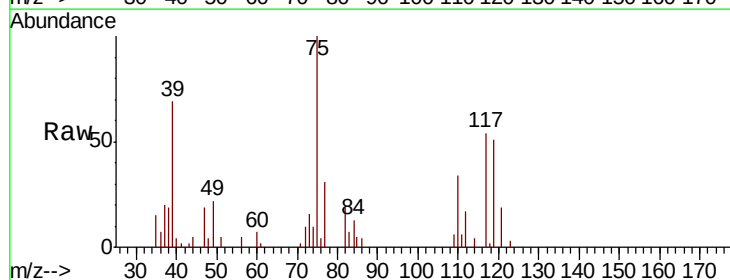
Tgt Ion: 75 Resp: 21276

Ion Ratio Lower Upper

75 100

110 36.2 16.8 50.3

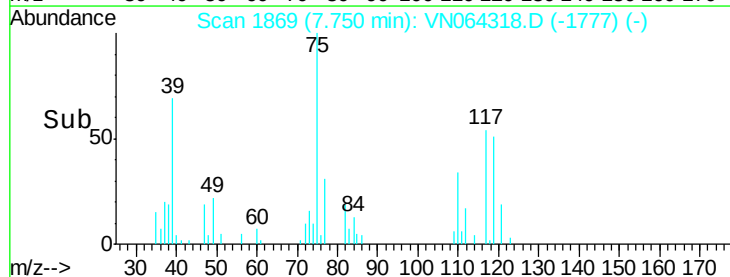
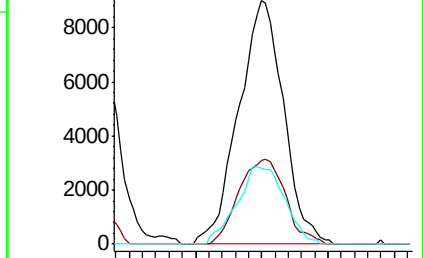
77 33.8 24.2 36.4

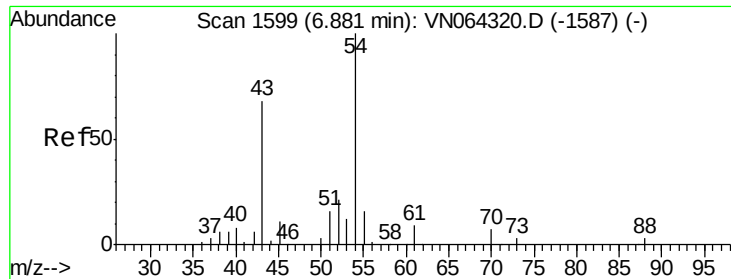


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

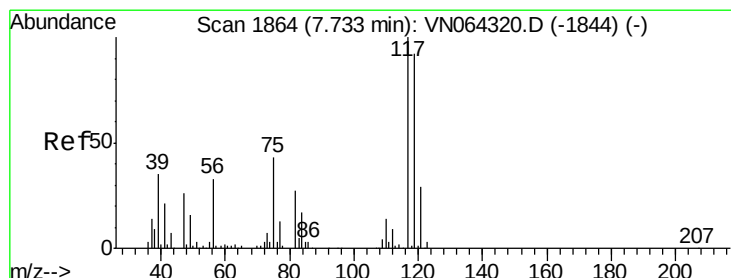
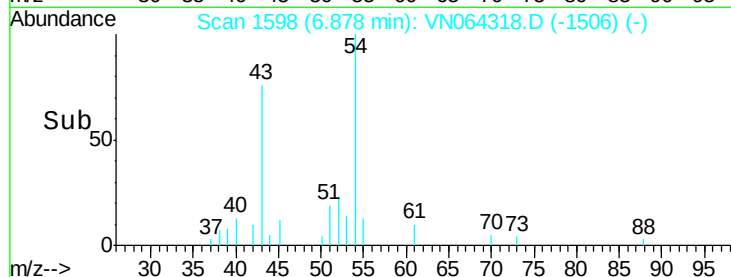
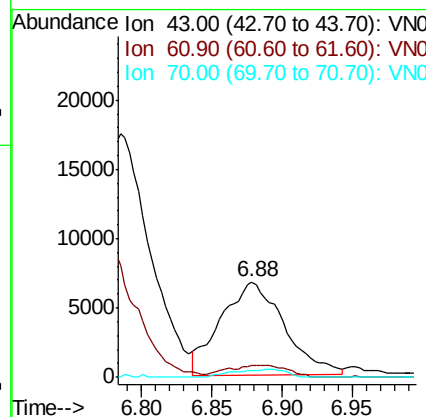
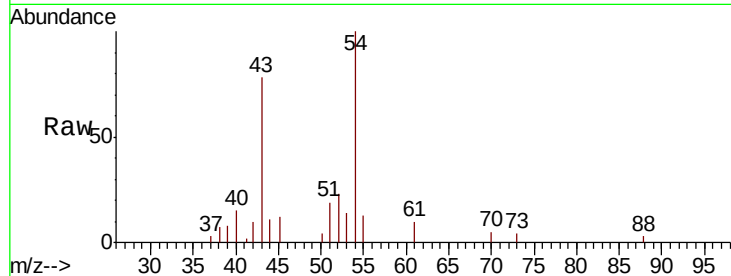




#37
Ethyl Acetate
Concen: 5.075 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

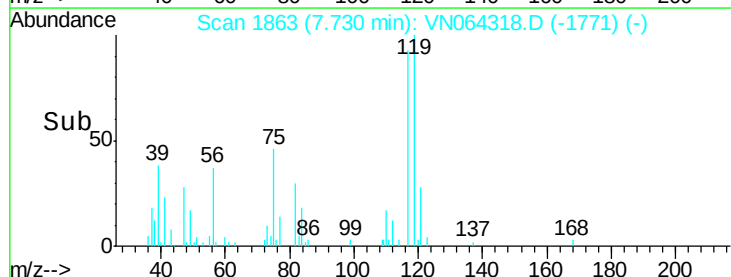
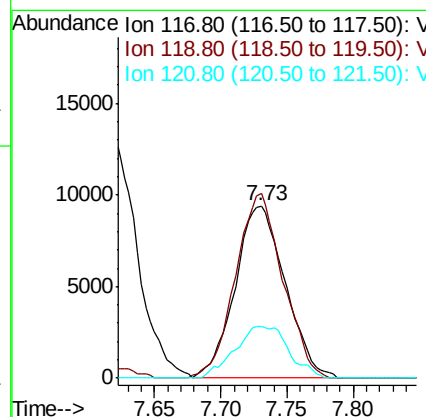
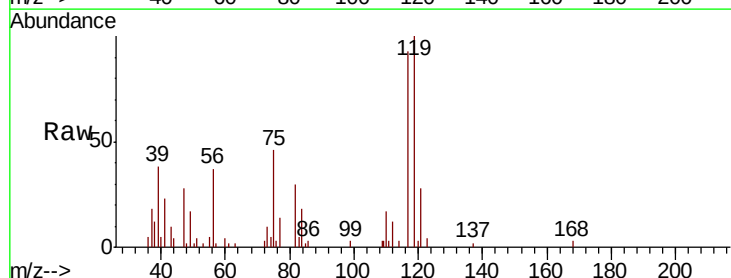
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

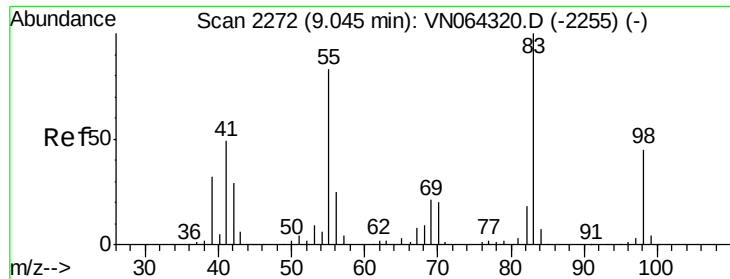
Tot Ion: 43 Resp: 20855
Ion Ratio Lower Upper
43 100
61 9.0 10.0 15.0#
70 7.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 4.888 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 117 Resp: 24763
Ion Ratio Lower Upper
117 100
119 107.0 73.7 110.5
121 30.3 22.8 34.2

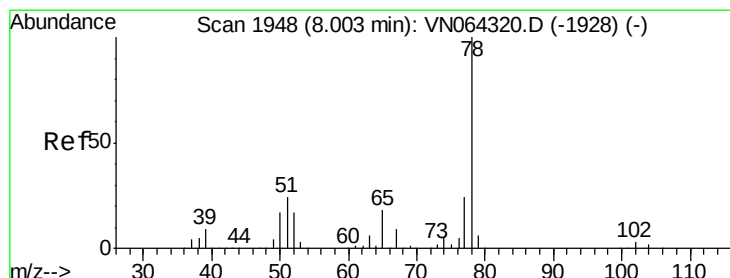
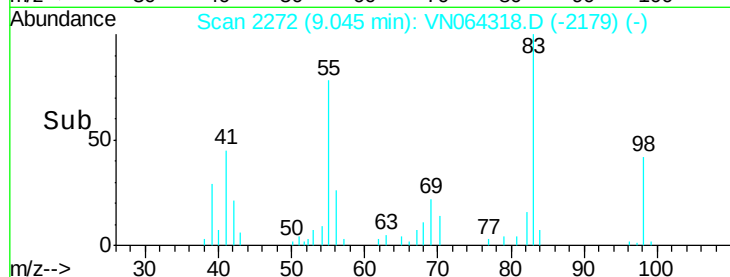
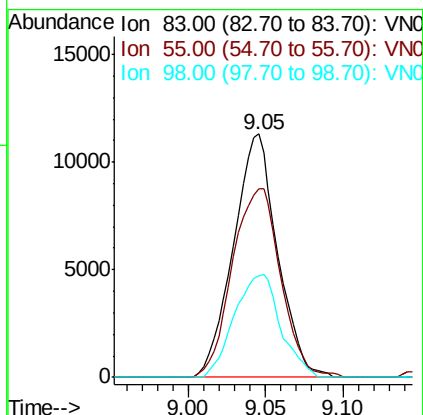
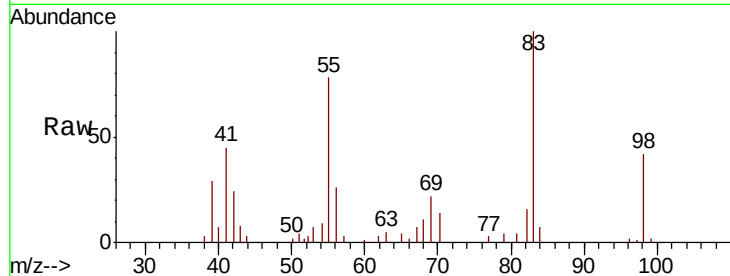




#39
Methylvlcyclohexane
Concen: 5.504 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

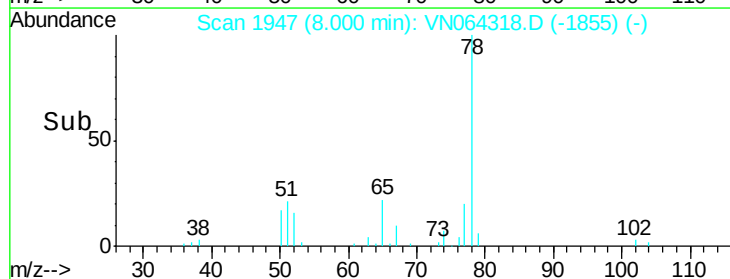
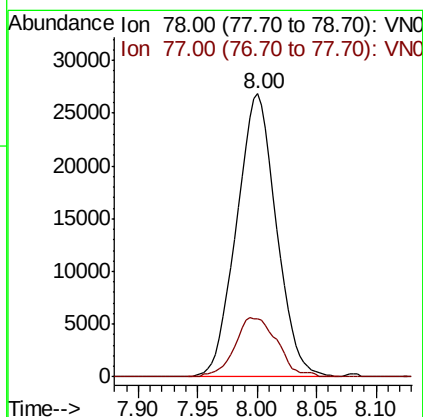
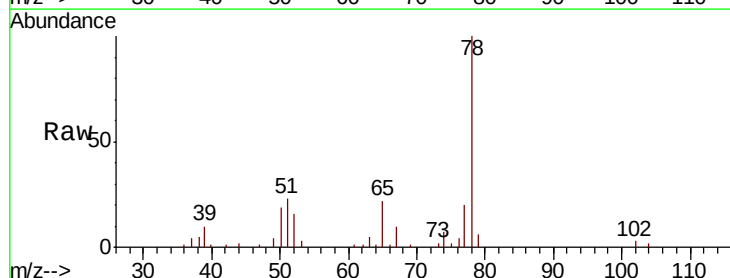
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

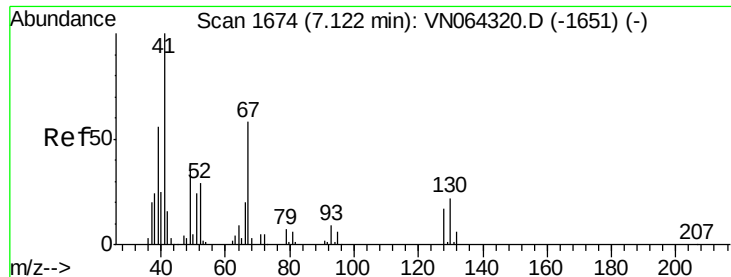
Tot Ion: 83 Resp: 22383
Ion Ratio Lower Upper
83 100
55 77.7 66.2 99.4
98 42.0 36.0 54.0



#40
Benzene
Concen: 5.084 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 78 Resp: 62188
Ion Ratio Lower Upper
78 100
77 20.5 18.8 28.2

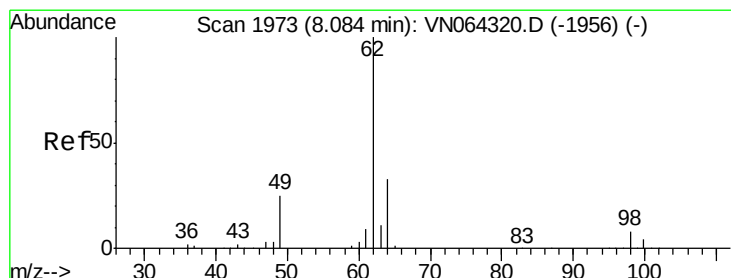
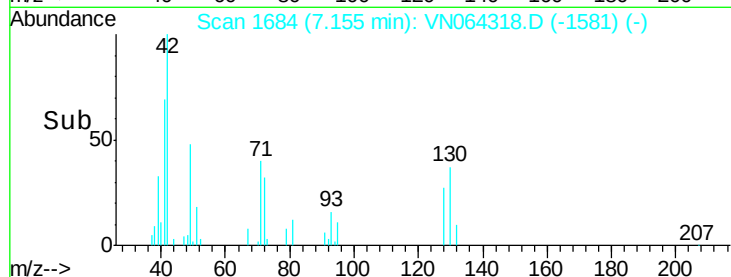
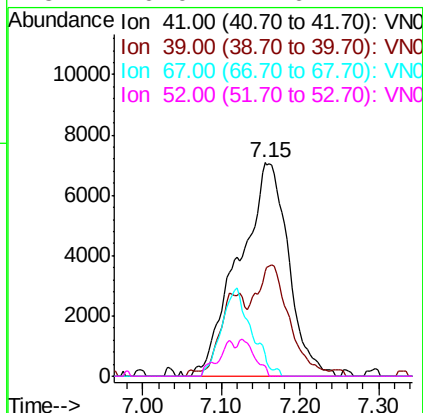
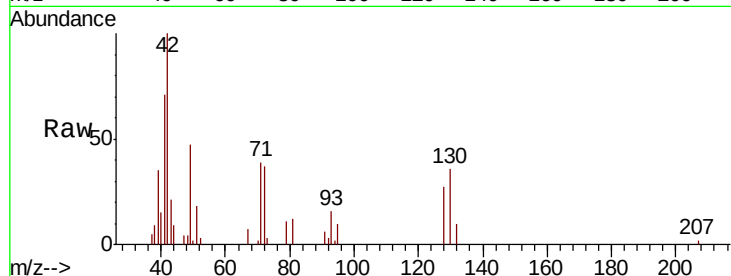




#41
Methacrylonitrile
Concen: 14.555 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

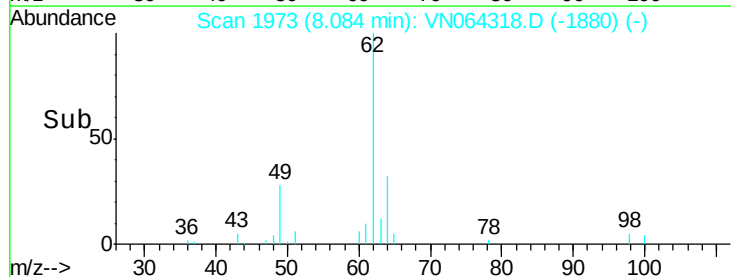
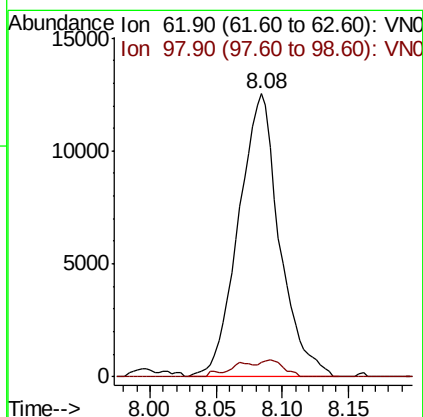
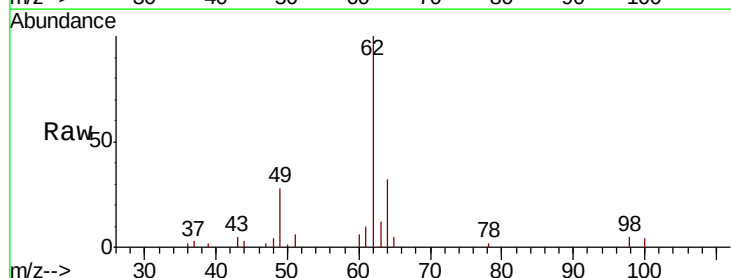
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

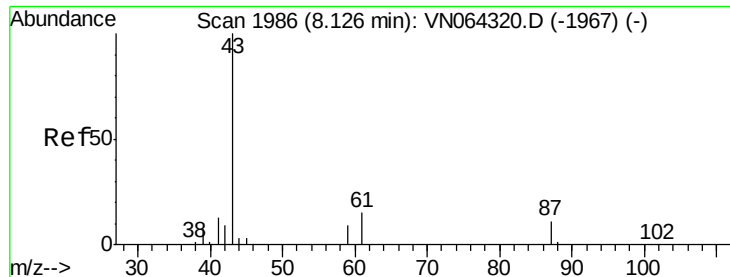
Tot Ion: 41 Resp: 31275
Ion Ratio Lower Upper
41 100
39 25.5 48.6 72.8#
67 0.0 61.4 92.2#
52 0.0 27.6 41.4#



#42
1,2-Dichloroethane
Concen: 5.105 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 62 Resp: 26934
Ion Ratio Lower Upper
62 100
98 3.3 0.0 14.2





#43

Isopropyl Acetate

Concen: 4.913 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

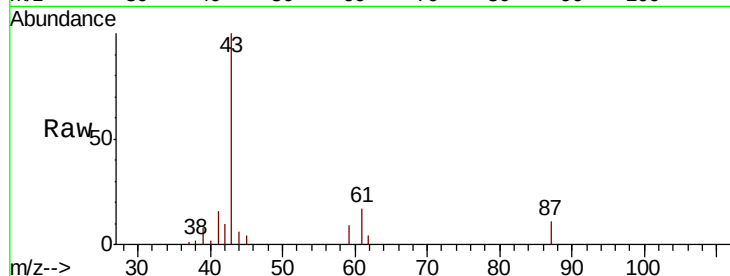
Tot Ion: 43 Resp: 37161

Ion Ratio Lower Upper

43 100

61 16.1 19.1 28.7#

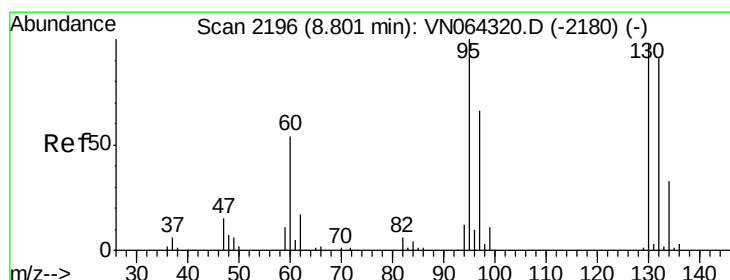
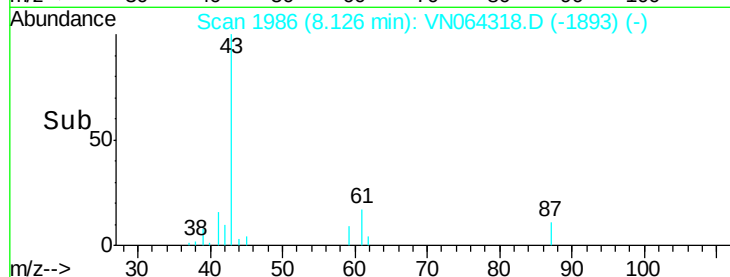
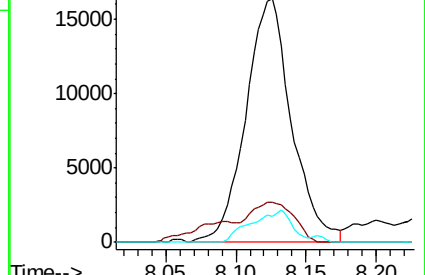
87 11.8 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN064318.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064318.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064318.D (-1893) (-)



#44

Trichloroethene

Concen: 4.743 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064318.D

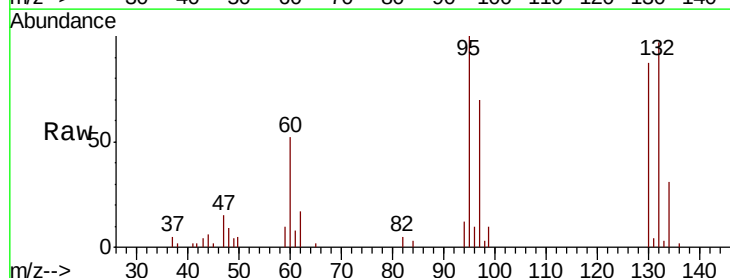
Acq: 27 Oct 2020 10:29

Tgt Ion: 130 Resp: 15829

Ion Ratio Lower Upper

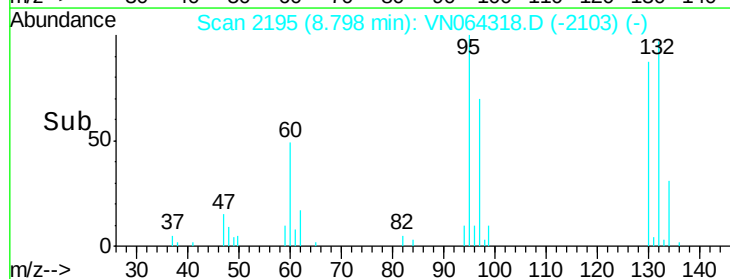
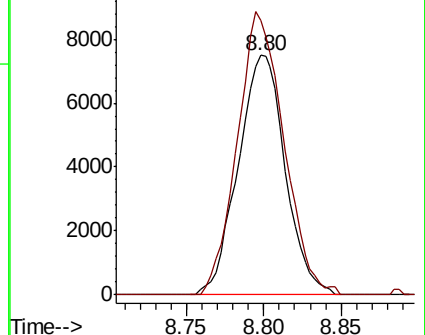
130 100

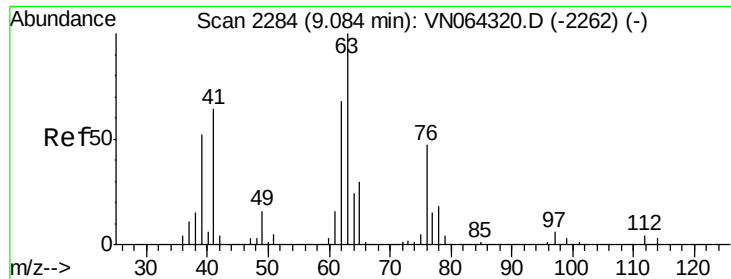
95 114.6 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN064318.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064318.D (-2103) (-)

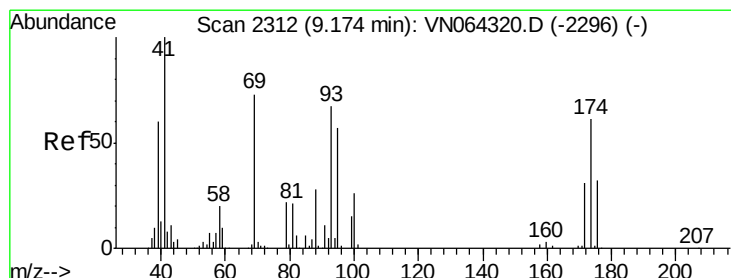
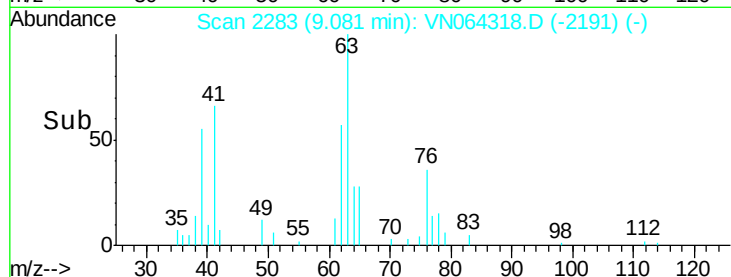
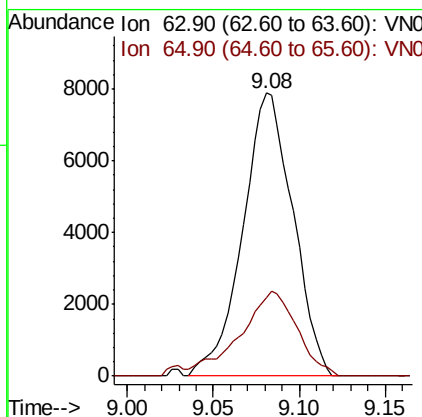
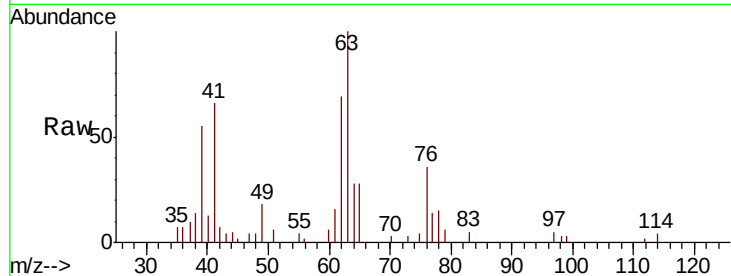




#45
 1,2-Dichloropropane
 Concen: 4.910 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

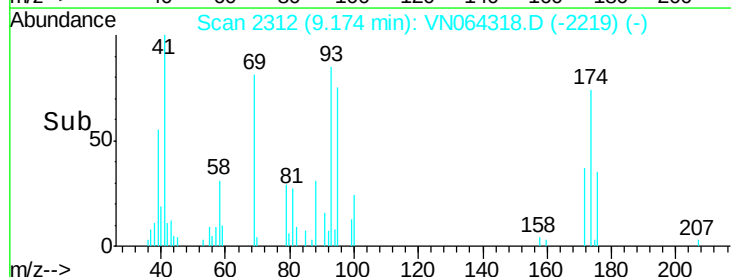
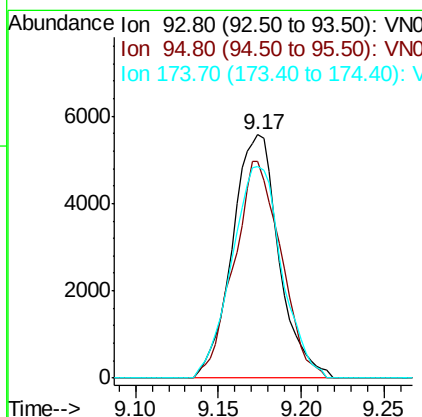
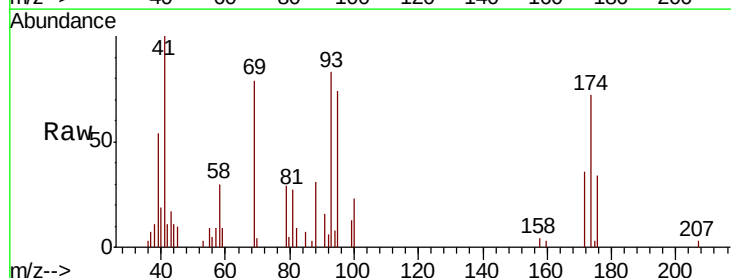
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

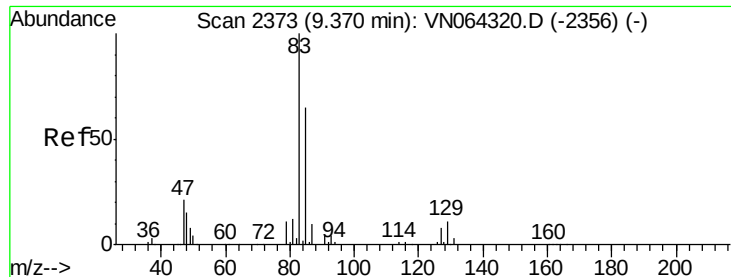
Tot Ion: 63 Resp: 16001
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.3 36.5



#46
 Dibromomethane
 Concen: 4.937 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 93 Resp: 10893
 Ion Ratio Lower Upper
 93 100
 95 90.2 64.4 96.6
 174 93.2 71.4 107.0

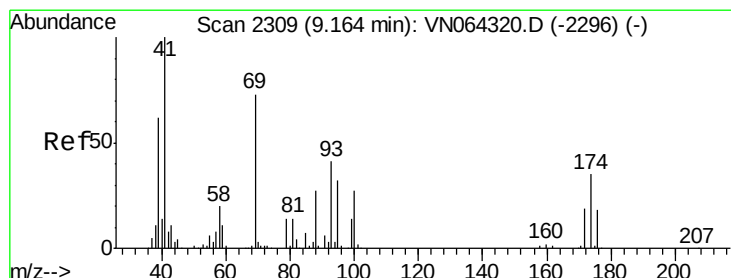
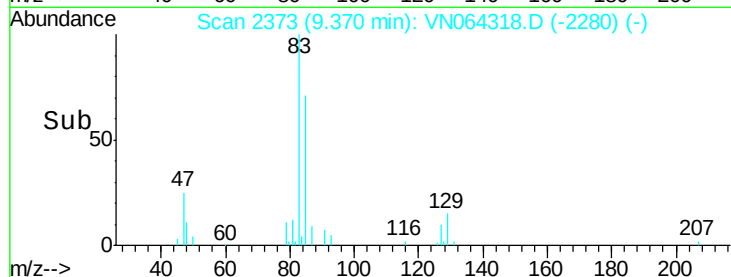
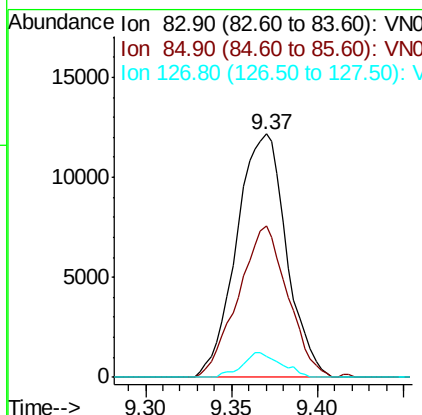
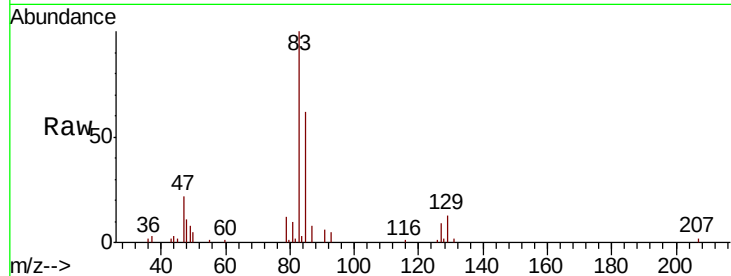




#47
 Bromodichloromethane
 Concen: 5.028 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

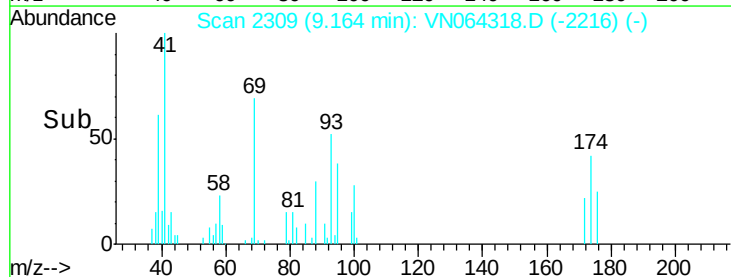
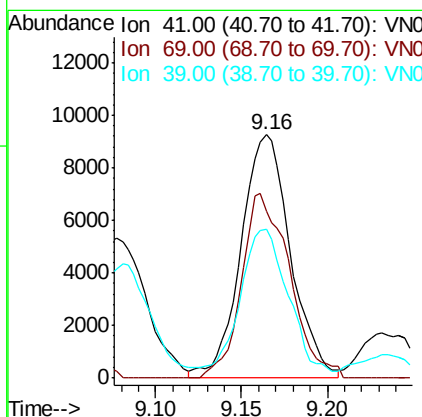
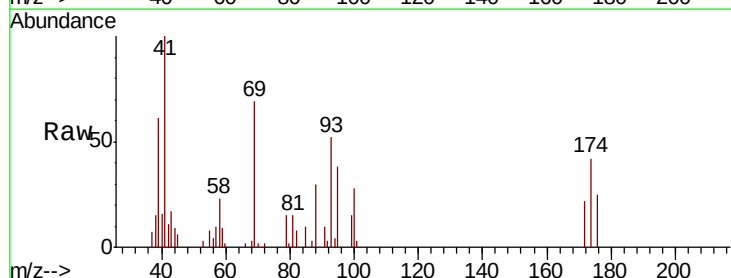
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

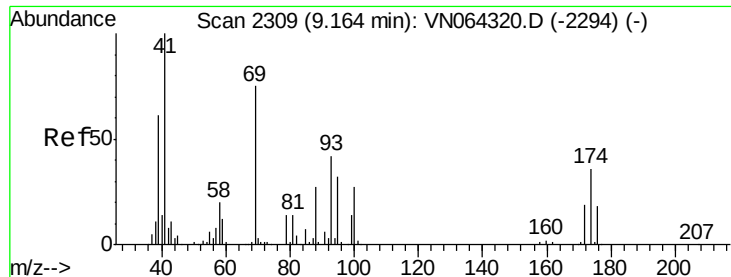
Tot Ion: 83 Resp: 24418
 Ion Ratio Lower Upper
 83 100
 85 62.2 52.1 78.1
 127 8.8 6.7 10.1



#48
 Methyl methacrylate
 Concen: 4.724 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 41 Resp: 18562
 Ion Ratio Lower Upper
 41 100
 69 73.6 59.1 88.7
 39 55.3 51.3 76.9

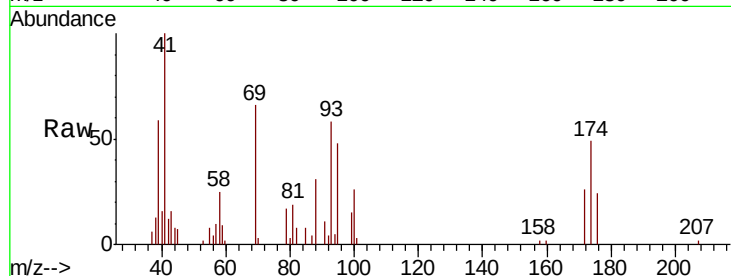




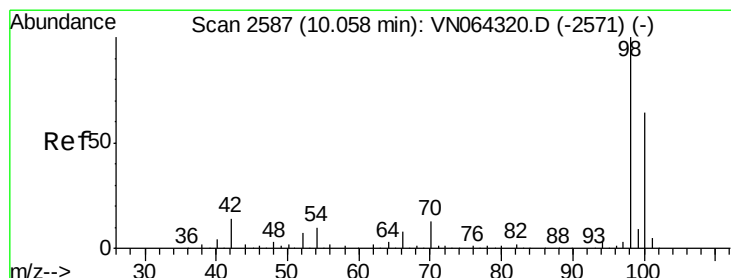
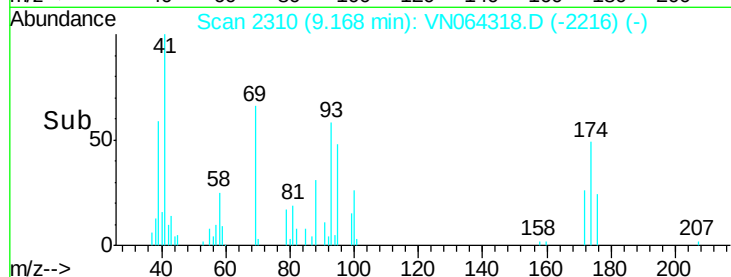
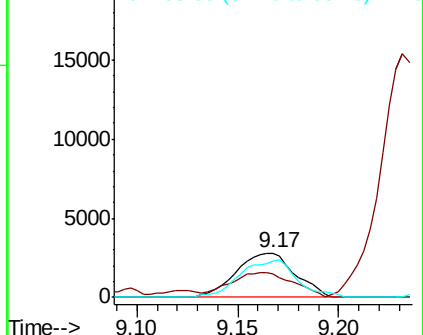
#49
1,4-Dioxane
Concen: 118.272 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 5710
Ion Ratio Lower Upper
88 100
43 60.2 31.8 47.8#
58 81.2 60.3 90.5

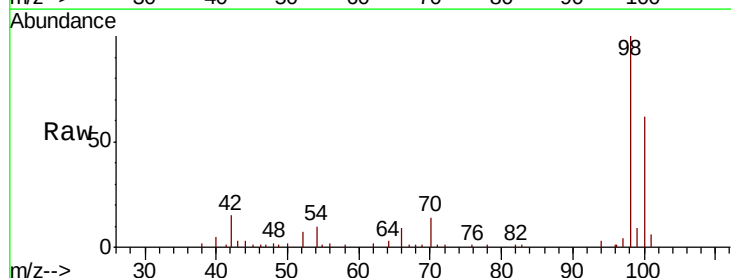


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

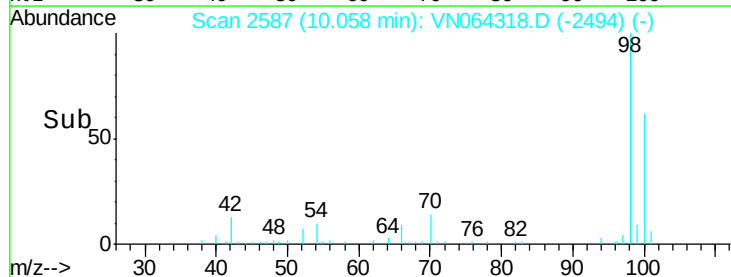
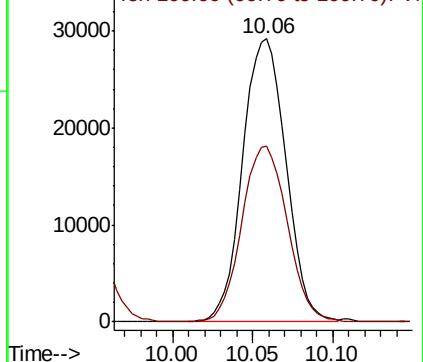


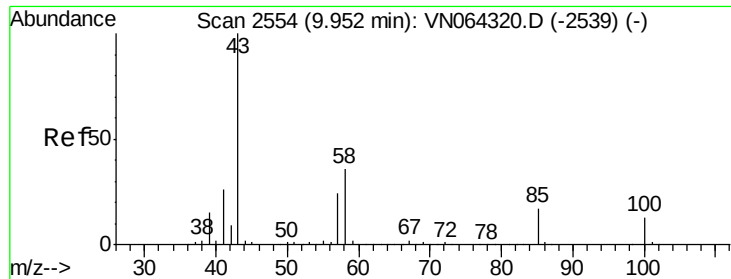
#50
Toluene-d8
Concen: 5.080 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 98 Resp: 54069
Ion Ratio Lower Upper
98 100
100 65.1 50.9 76.3



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: 24.576 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

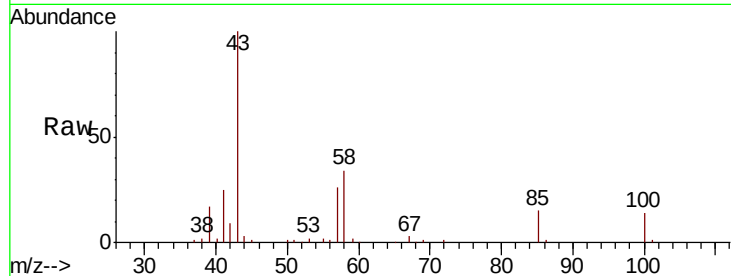
VSTDIC005

Tot Ion: 43 Resp: 100517

Ion Ratio Lower Upper

43 100

58 34.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.95

60000

50000

40000

30000

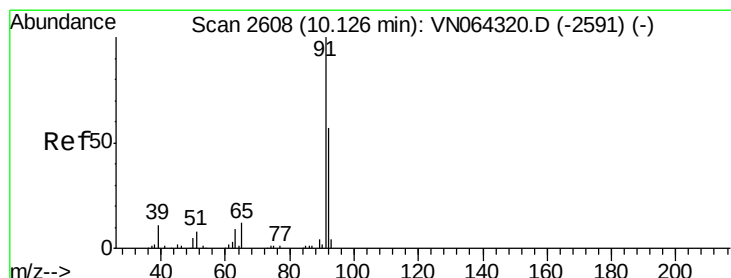
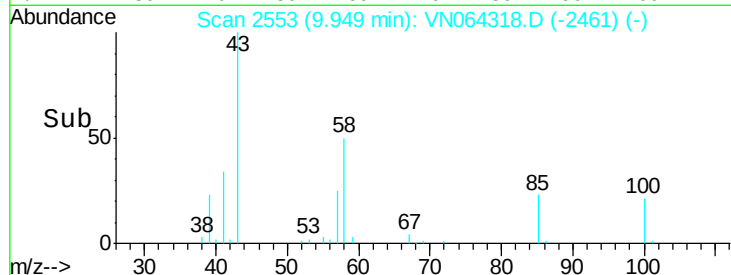
20000

10000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 4.945 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064318.D

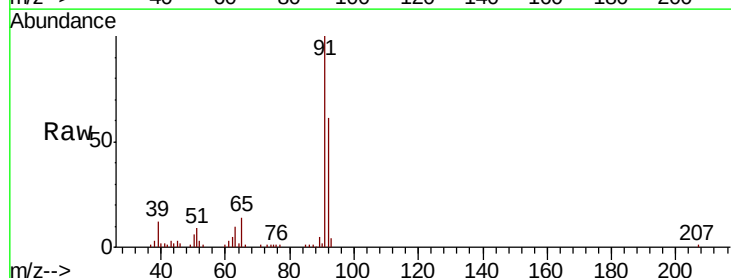
Acq: 27 Oct 2020 10:29

Tgt Ion: 92 Resp: 38607

Ion Ratio Lower Upper

92 100

91 171.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN064320.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064320.D (-2591) (-)

10.12

40000

30000

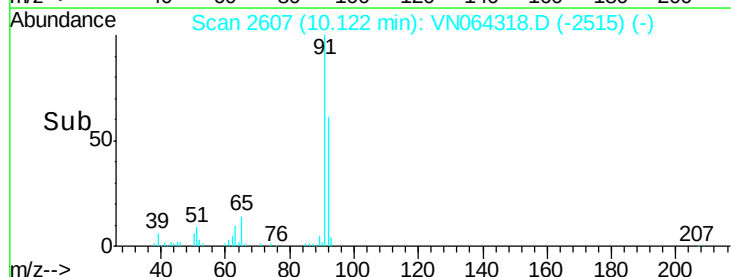
20000

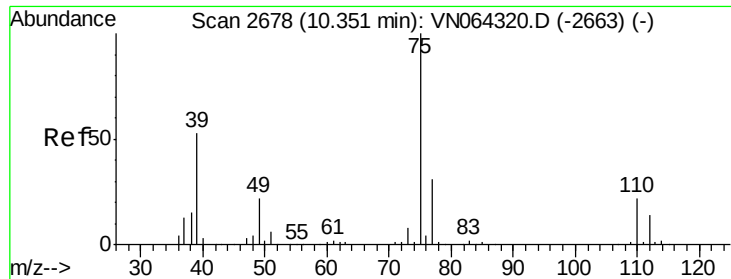
10000

0

Time-->

10.05 10.10 10.15





#53

t-1,3-Dichloropropene

Concen: 4.750 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

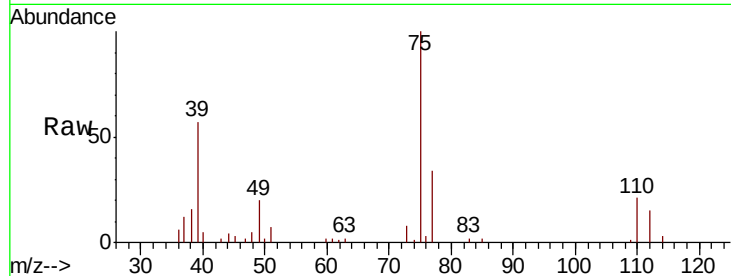
VSTDIC005

Tot Ion: 75 Resp: 25506

Ion Ratio Lower Upper

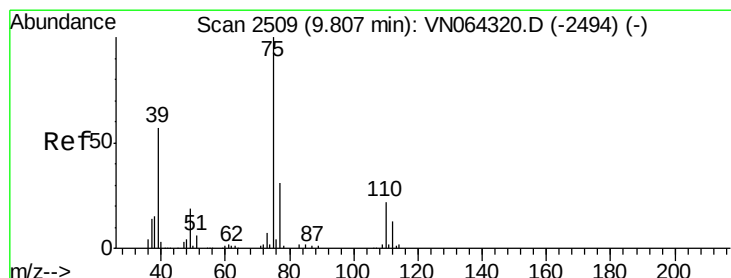
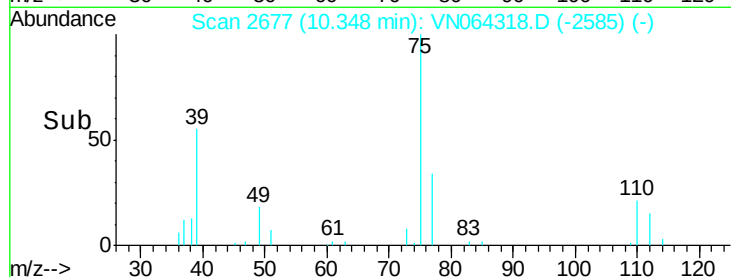
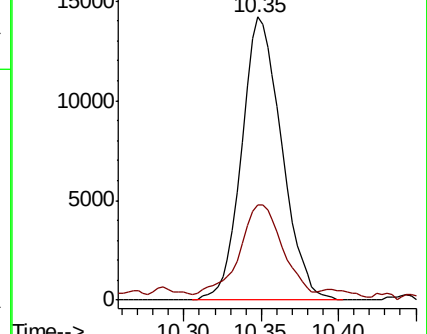
75 100

77 31.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.567 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

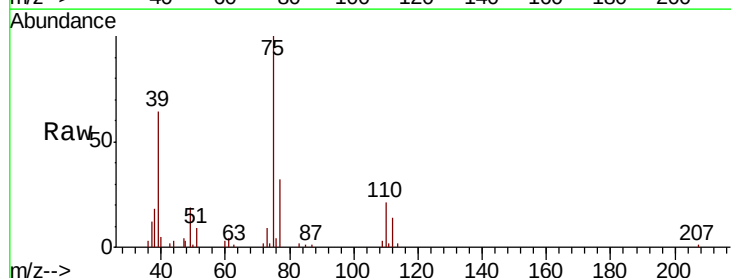
Tgt Ion: 75 Resp: 25906

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4

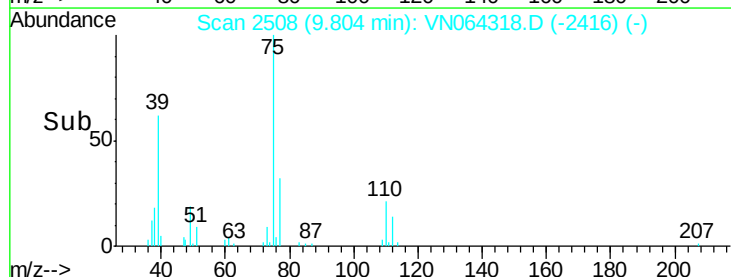
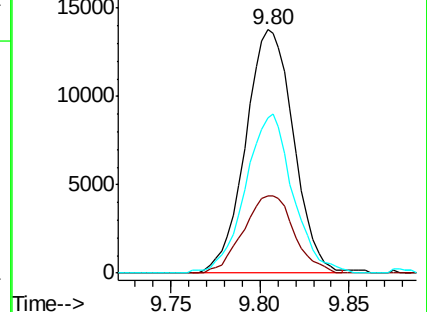
39 62.5 45.5 68.3

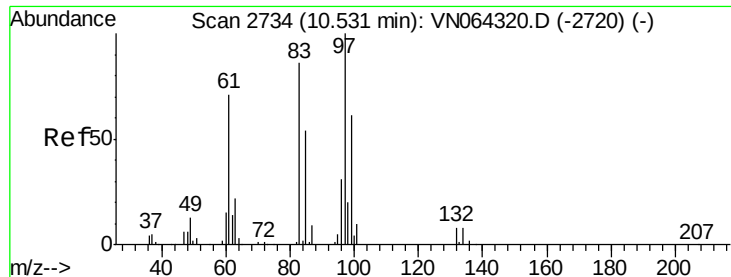


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

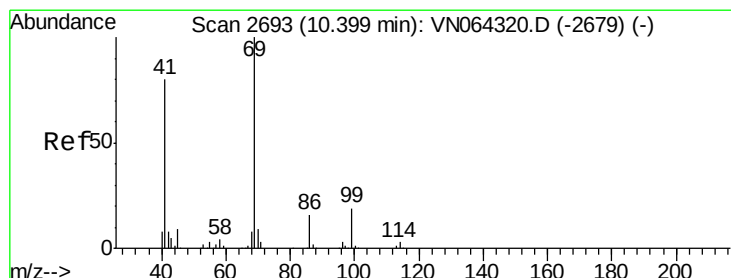
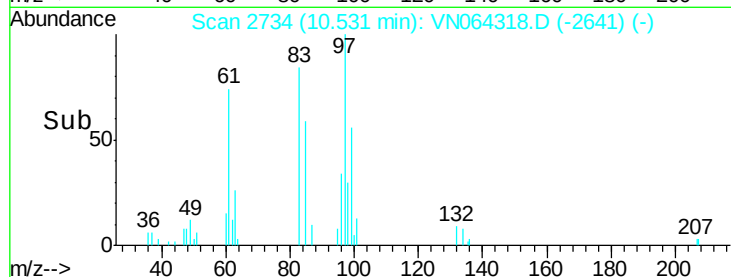
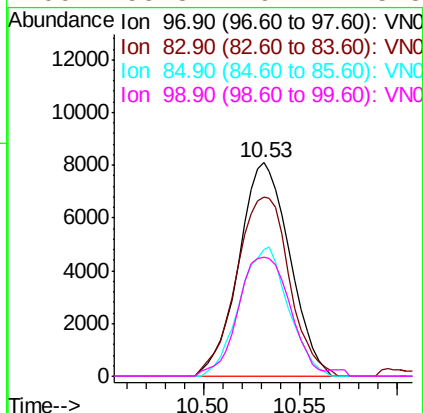
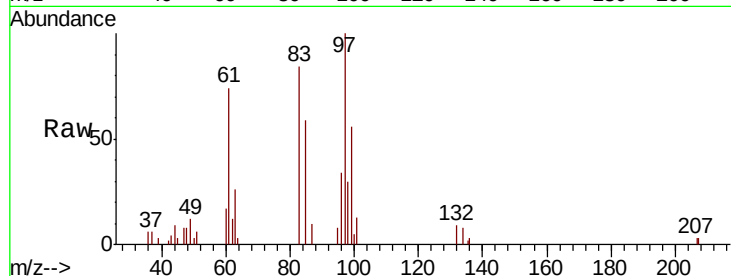




#55
 1,1,2-Trichloroethane
 Concen: 4.980 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

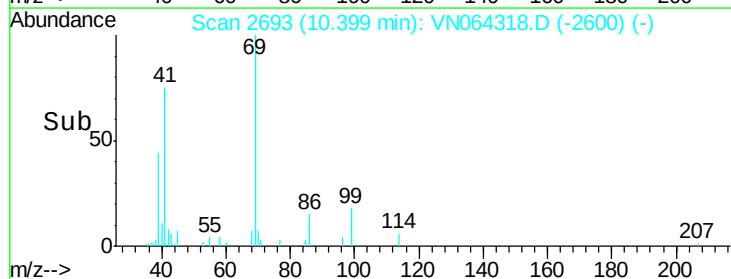
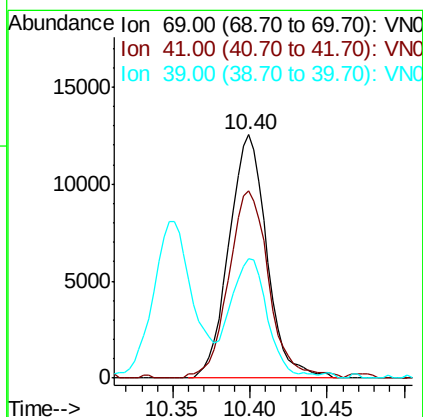
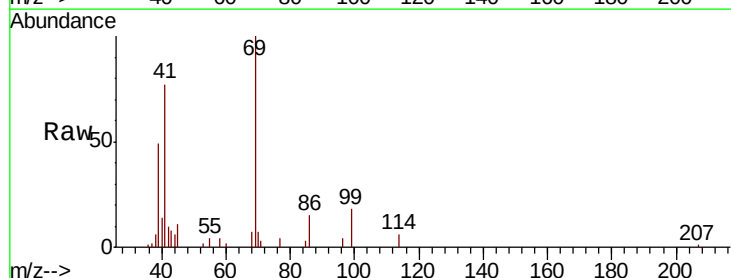
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

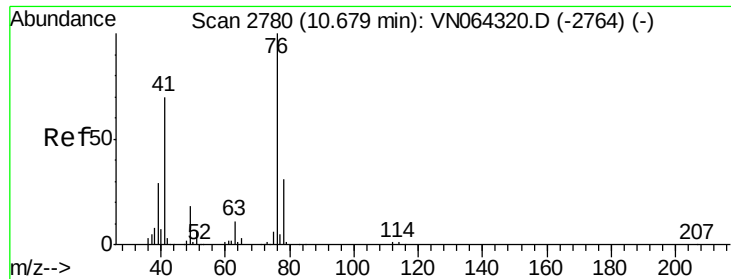
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	59.2	43.6	65.4
99	55.8	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 4.641 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	82.2	61.4	92.2
39	46.6	36.5	54.7

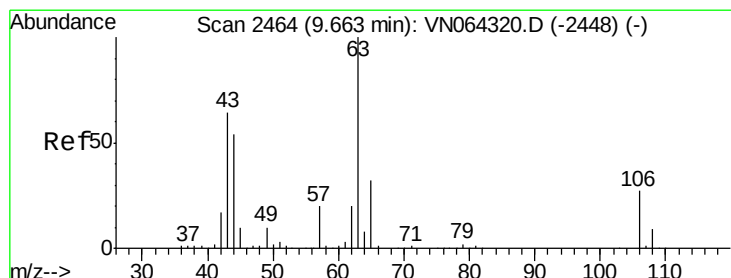
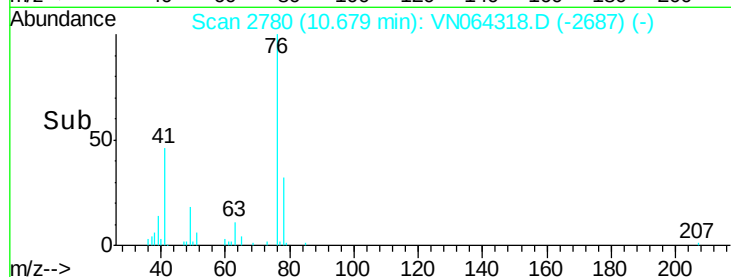
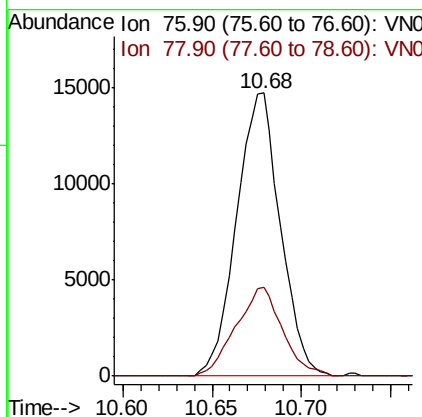
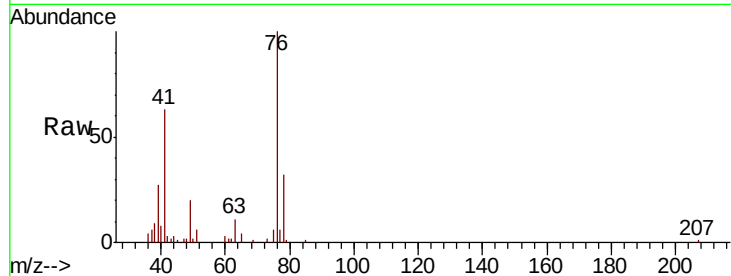




#57
 1,3-Dichloropropane
 Concen: 4.910 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

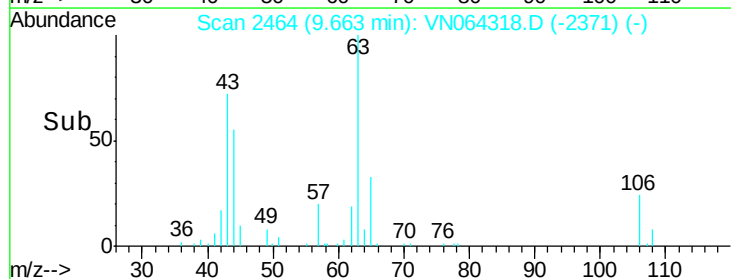
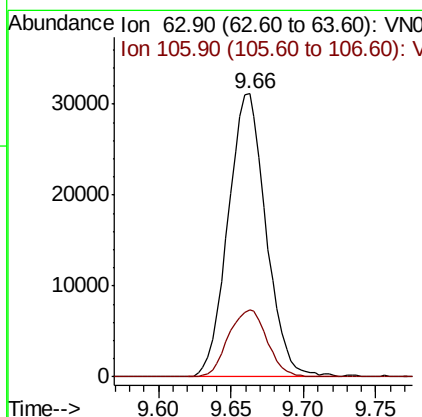
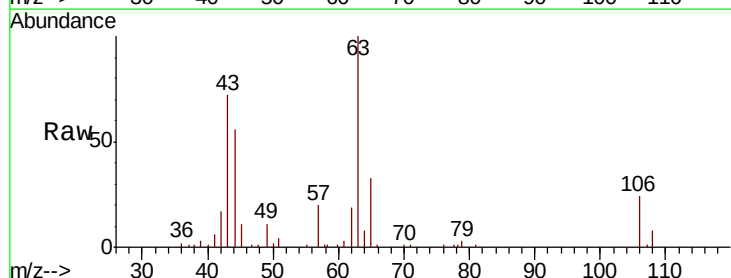
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

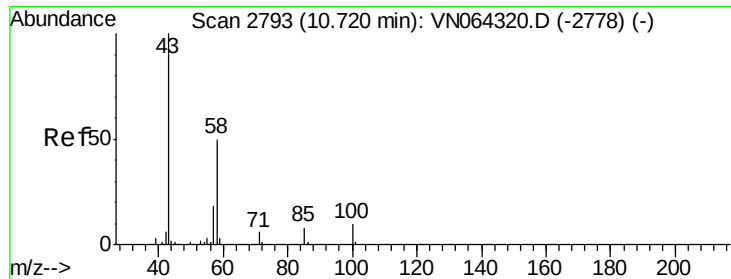
Tot Ion: 76 Resp: 25292
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.100 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 63 Resp: 56708
 Ion Ratio Lower Upper
 63 100
 106 24.0 21.0 31.4

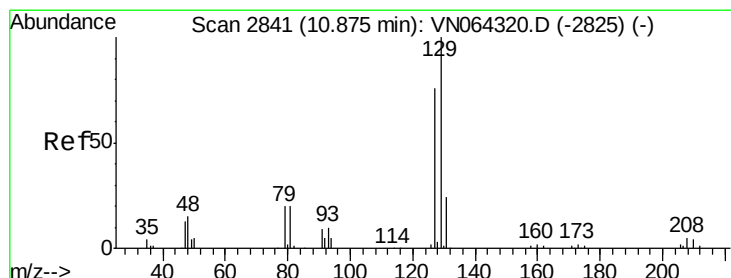
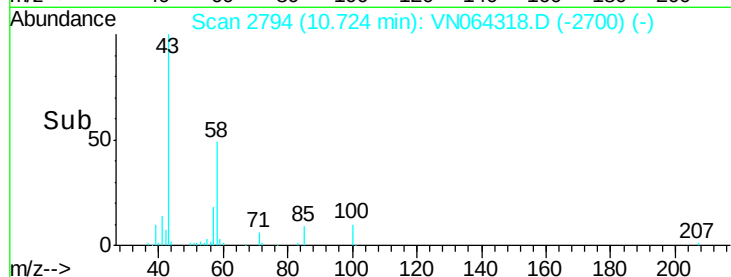
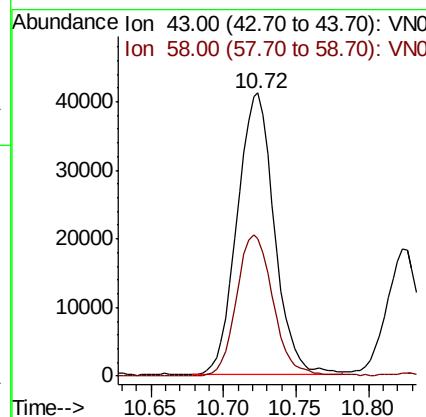
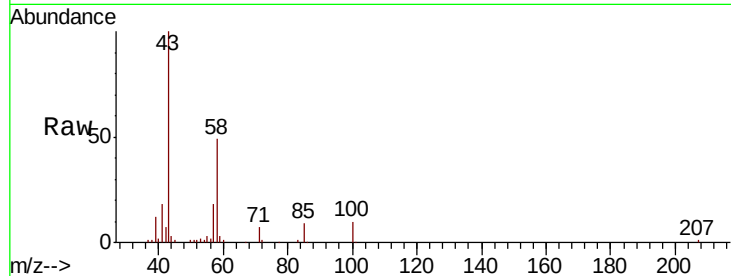




#59
2-Hexanone
Concen: 24.361 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

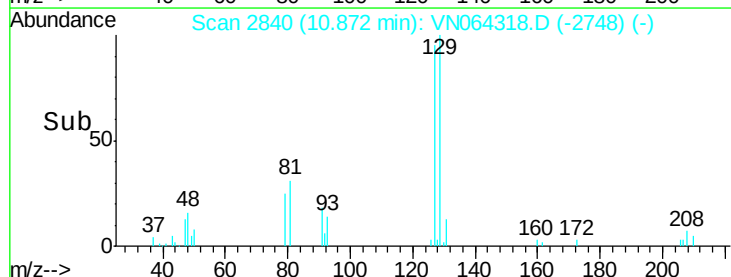
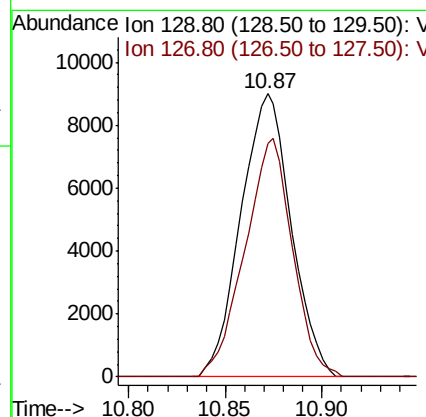
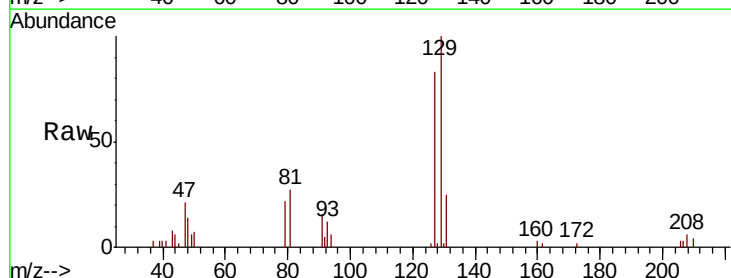
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

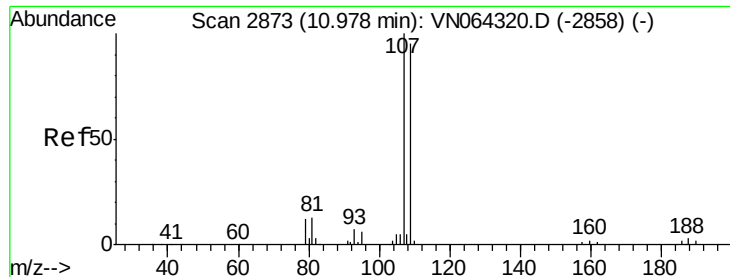
Tot Ion: 43 Resp: 73017
Ion Ratio Lower Upper
43 100
58 49.4 25.0 75.0



#60
Dibromochloromethane
Concen: 4.252 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 129 Resp: 16294
Ion Ratio Lower Upper
129 100
127 79.7 38.5 115.3

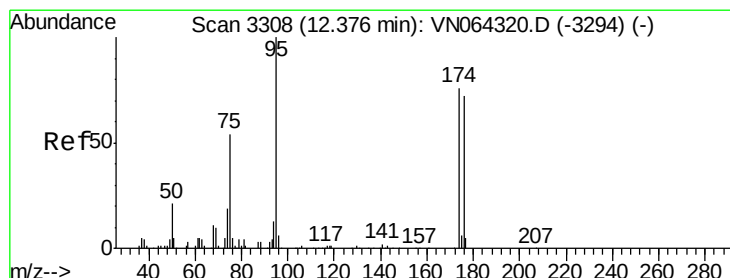
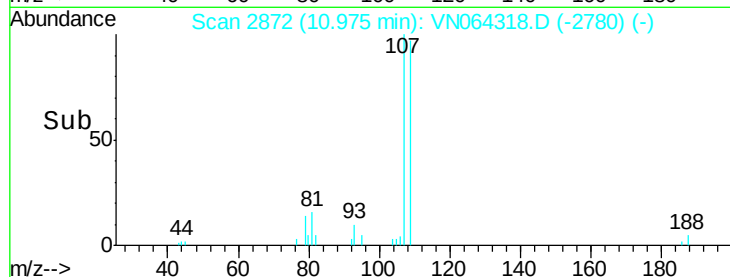
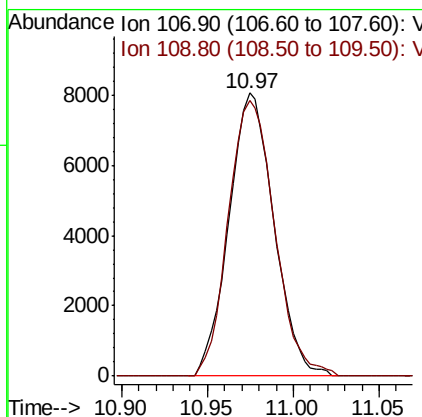
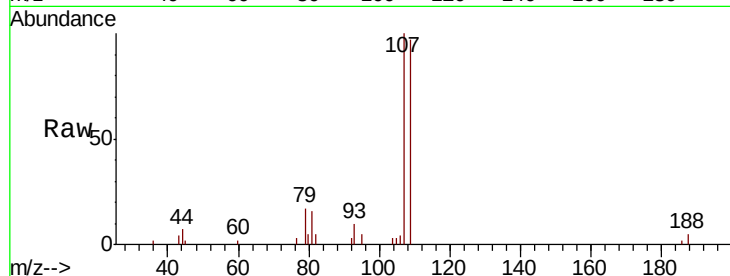




#61
 1,2-Dibromoethane
 Concen: 4.675 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

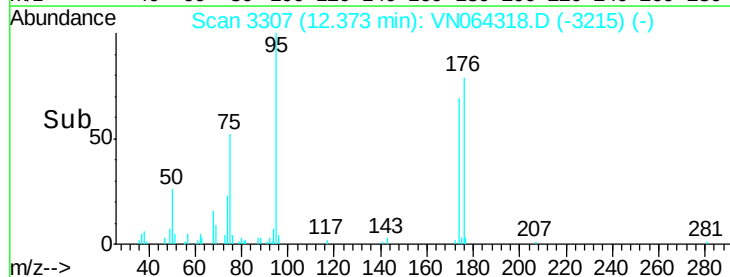
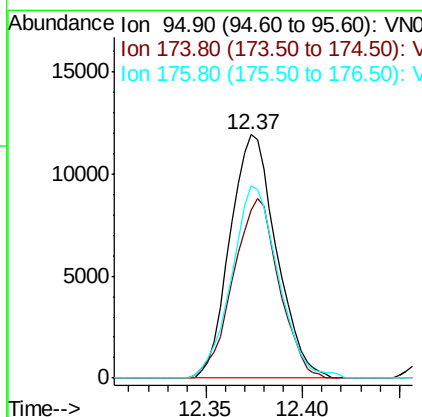
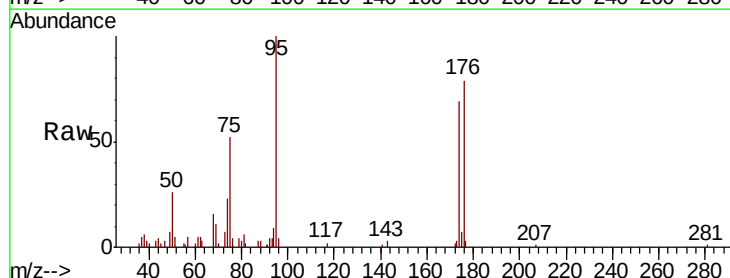
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

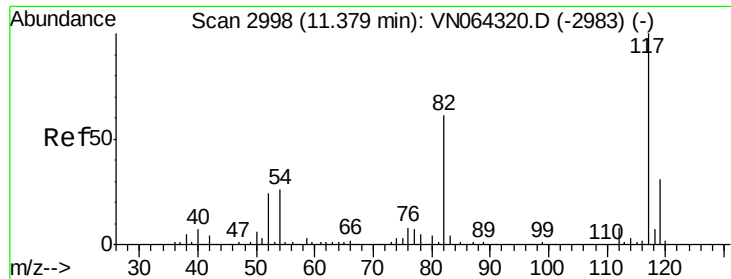
Tot Ion: 107 Resp: 14657
 Ion Ratio Lower Upper
 107 100
 109 99.9 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 4.603 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion: 95 Resp: 19871
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 147.4
 176 79.4 0.0 143.6

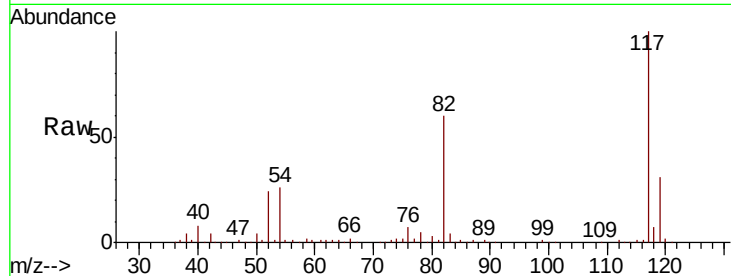




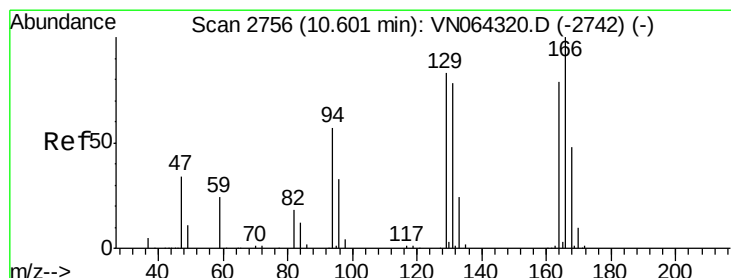
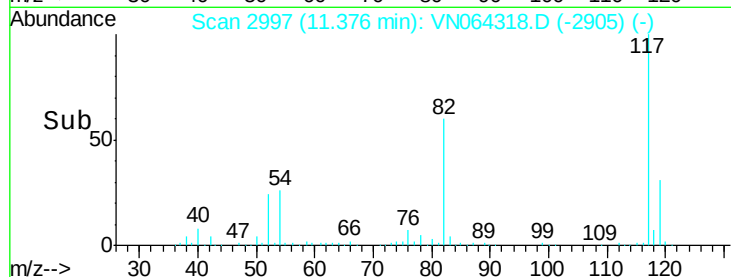
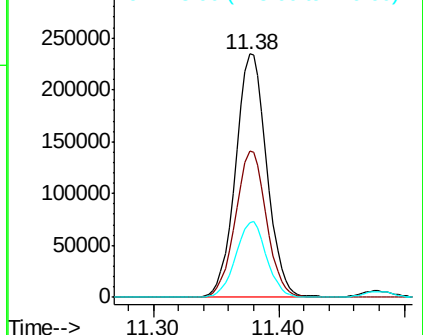
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 404402
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 30.9 25.1 37.7



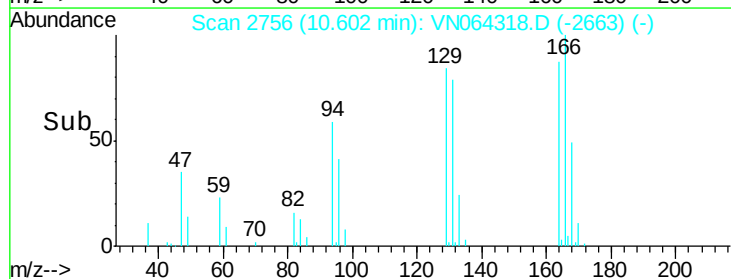
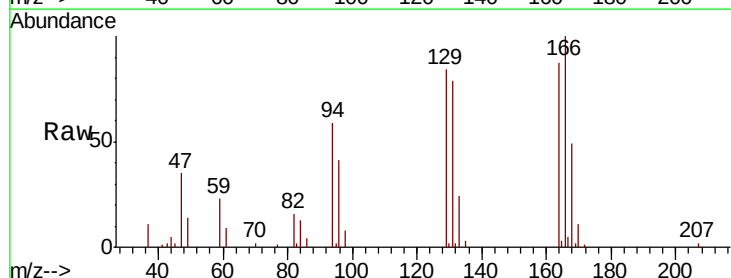
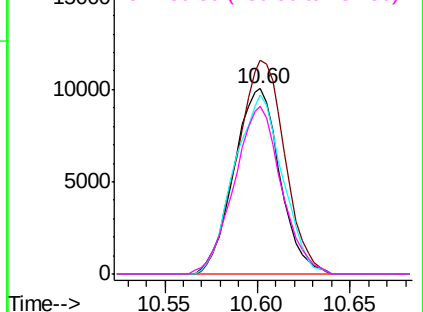
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

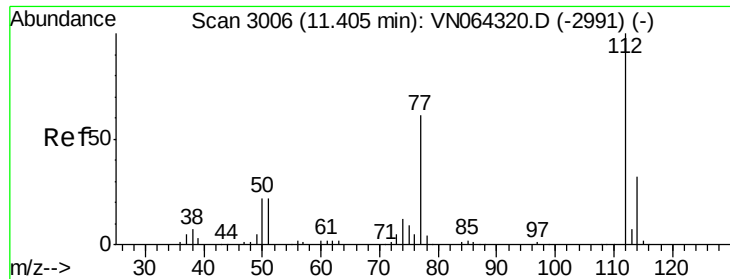


#64
Tetrachloroethene
Concen: 5.290 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:164 Resp: 17276
Ion Ratio Lower Upper
164 100
166 115.4 100.7 151.1
129 96.9 83.7 125.5
131 90.9 78.2 117.2

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

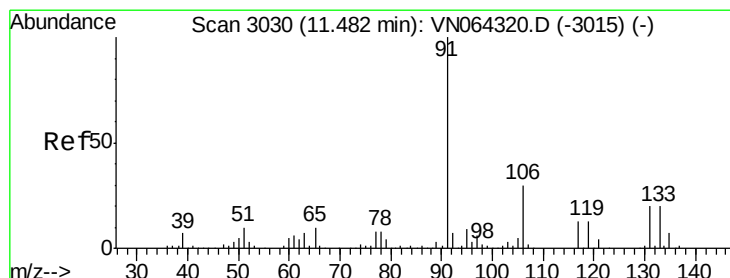
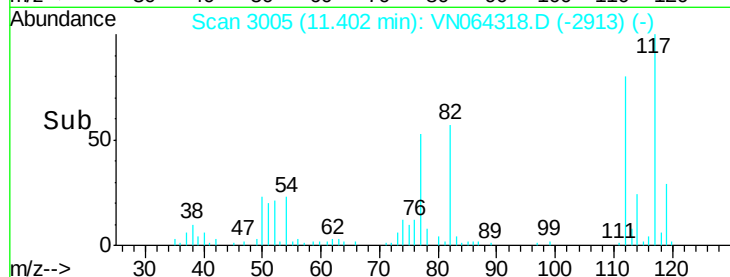
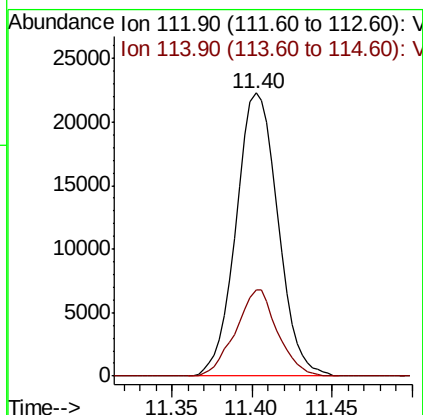
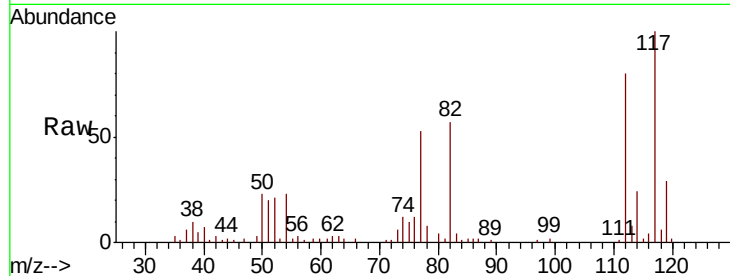




#65
Chlorobenzene
Concen: 4.770 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

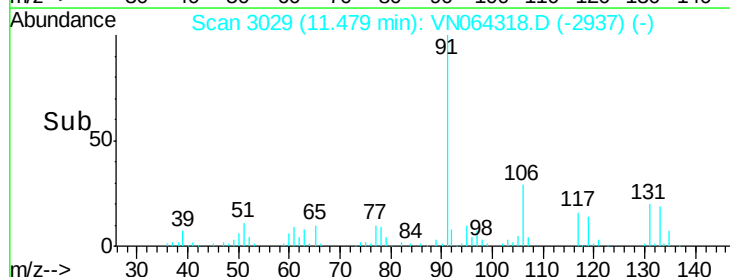
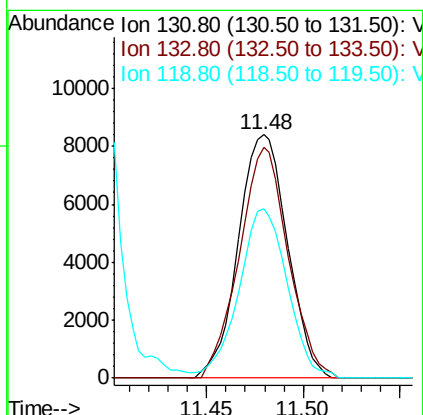
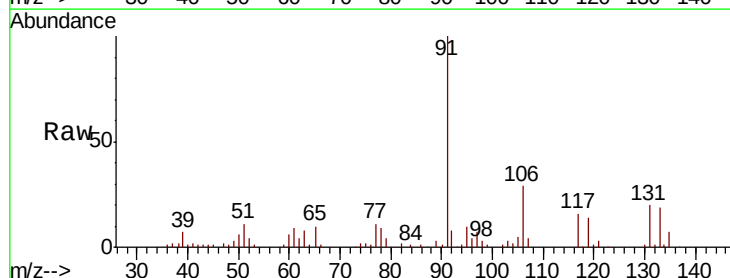
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

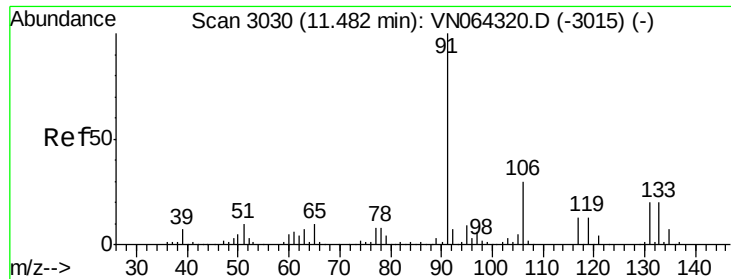
Tot Ion:112 Resp: 39766
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.482 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:131 Resp: 14835
Ion Ratio Lower Upper
131 100
133 94.3 49.3 147.8
119 68.9 32.3 96.9

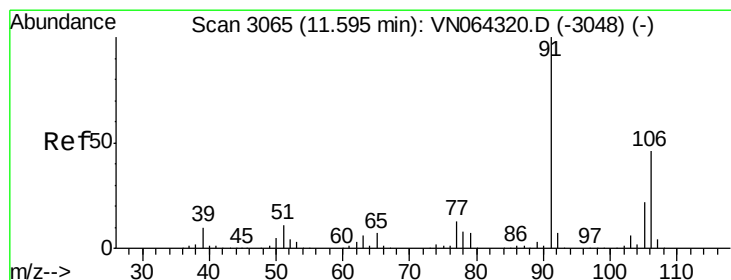
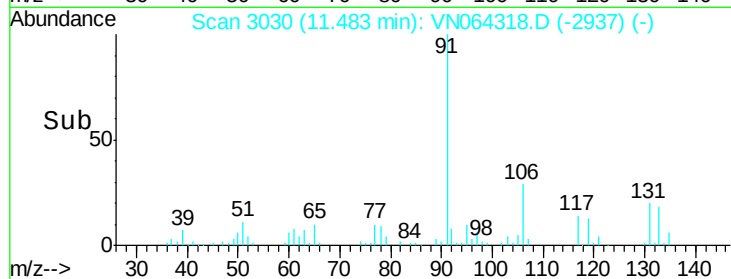
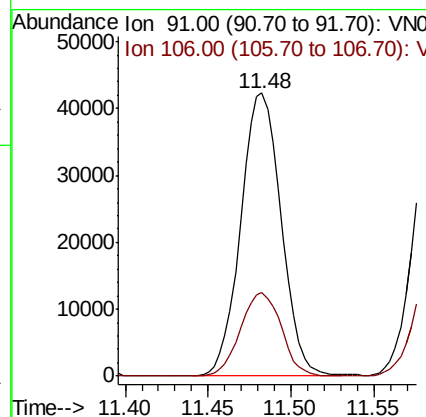
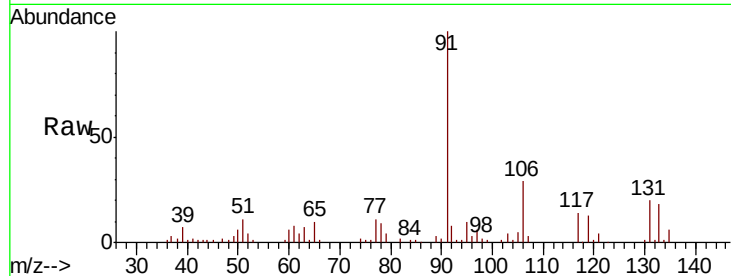




#67
Ethyl Benzene
Concen: 4.682 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

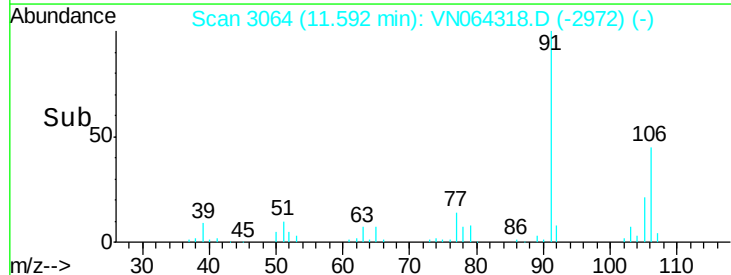
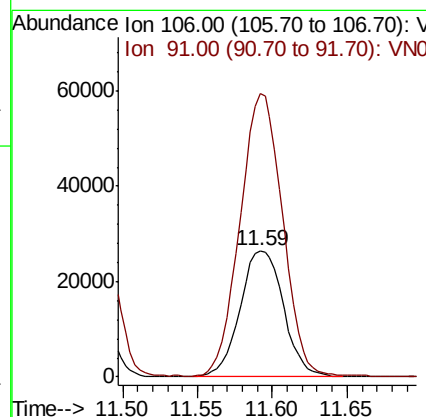
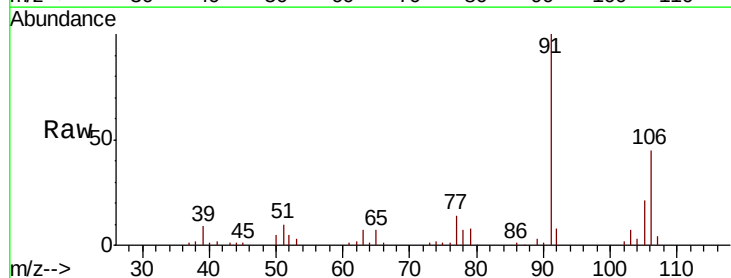
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

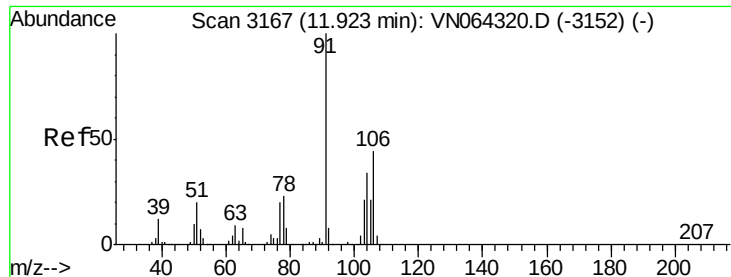
Tot Ion: 91 Resp: 71888
Ion Ratio Lower Upper
91 100
106 29.5 23.7 35.5



#68
m/p-Xylenes
Concen: 9.371 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 106 Resp: 53344
Ion Ratio Lower Upper
106 100
91 221.3 170.2 255.4

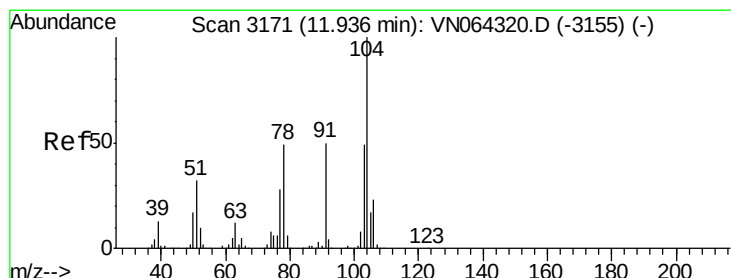
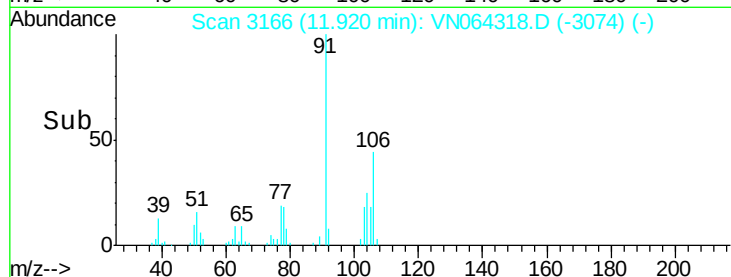
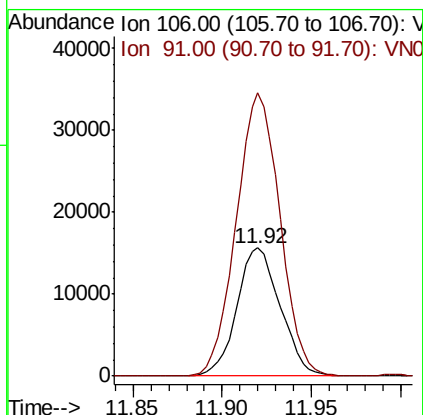
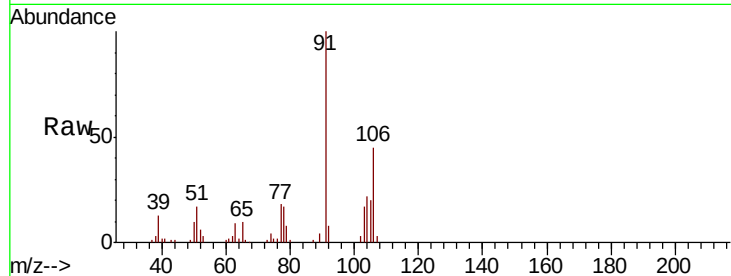




#69
o-Xylene
Concen: 4.831 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

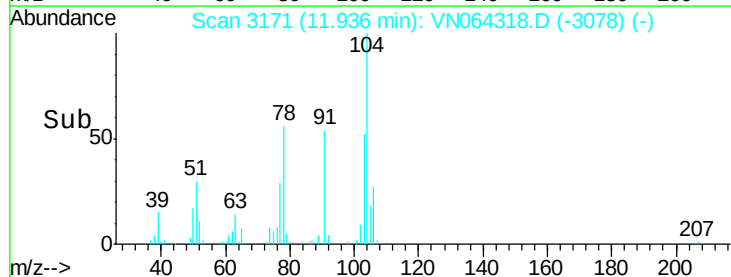
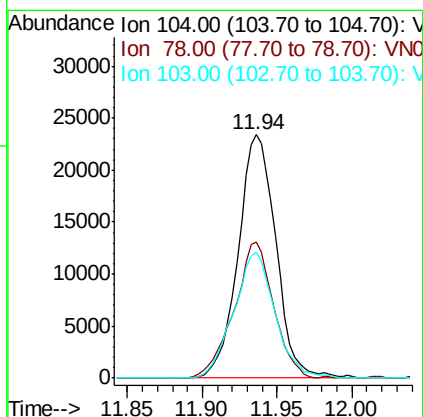
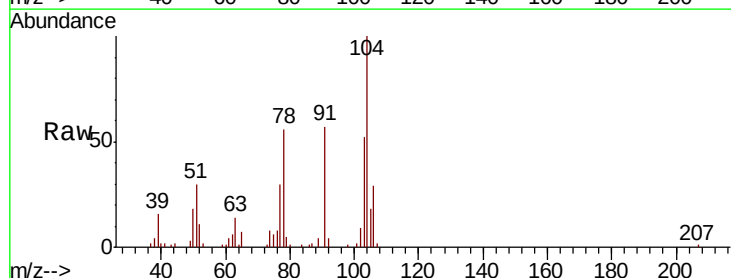
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

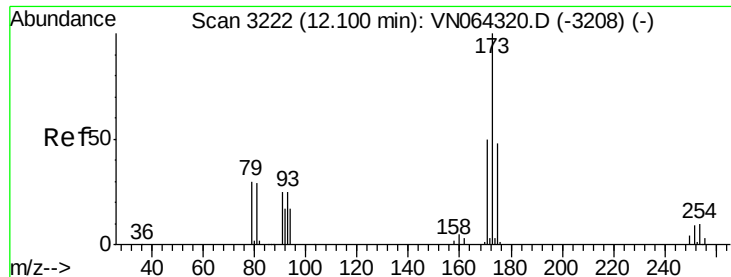
Tot Ion:106 Resp: 26420
Ion Ratio Lower Upper
106 100
91 223.1 114.5 343.5



#70
Styrene
Concen: 4.451 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:104 Resp: 40979
Ion Ratio Lower Upper
104 100
78 58.7 43.7 65.5
103 56.7 43.3 64.9





#71

Bromoform

Concen: 4.685 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

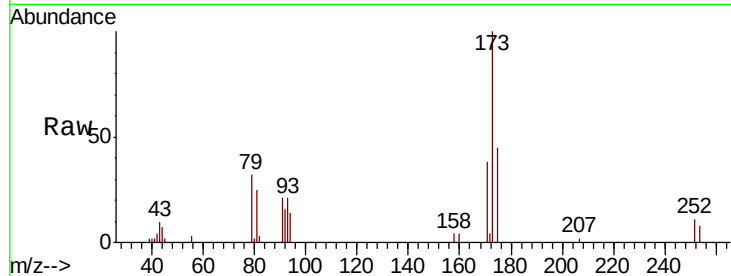
Tot Ion:173 Resp: 12006

Ion Ratio Lower Upper

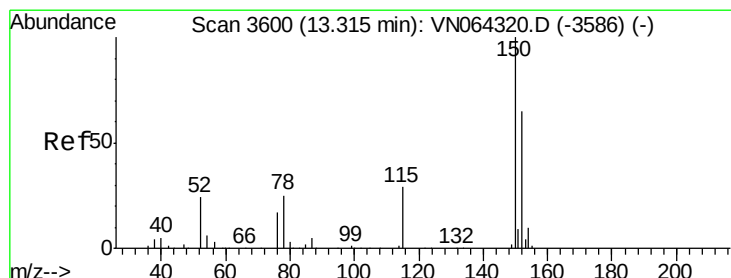
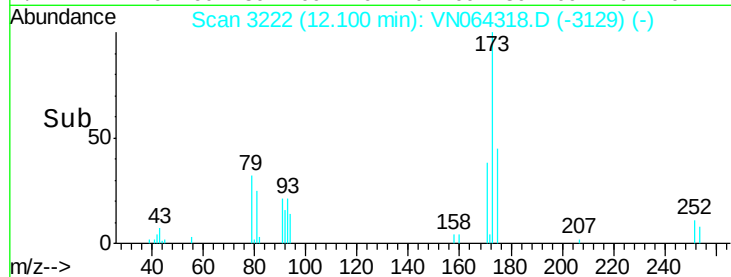
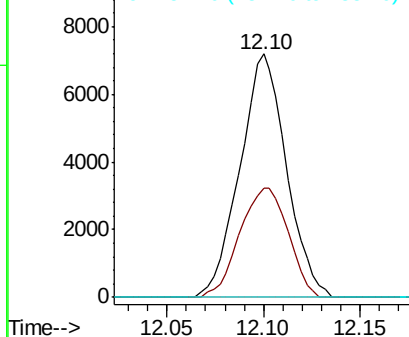
173 100

175 46.8 25.4 76.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

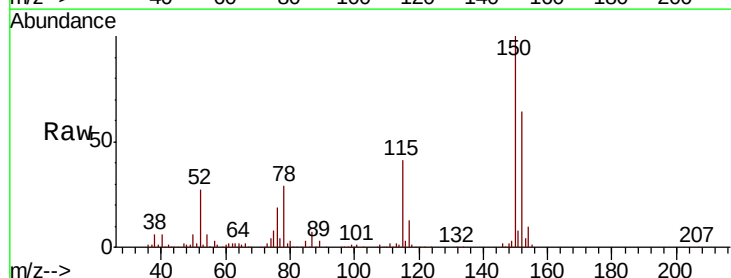
Tgt Ion:152 Resp: 178313

Ion Ratio Lower Upper

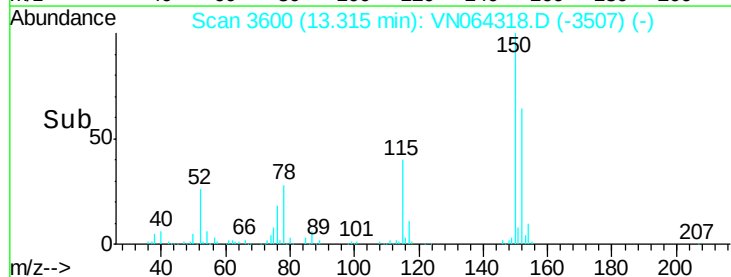
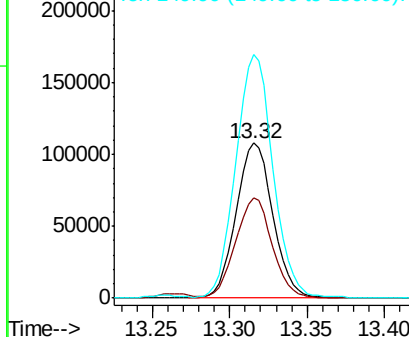
152 100

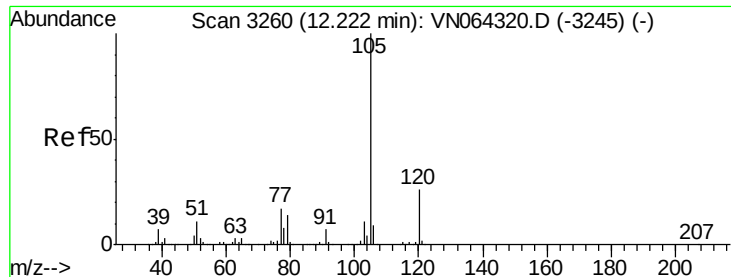
115 64.0 31.5 94.5

150 157.9 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.008 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

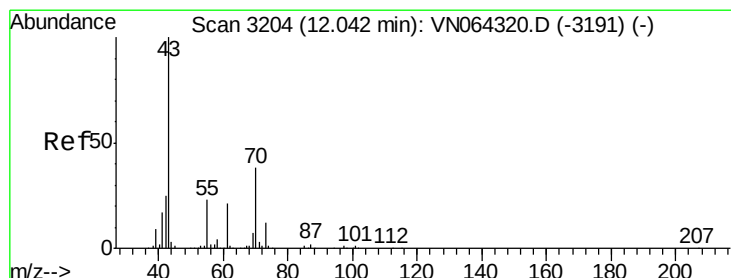
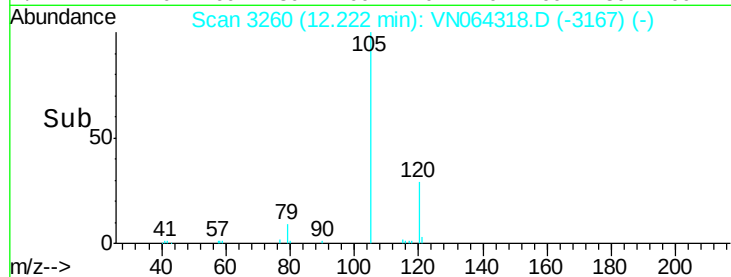
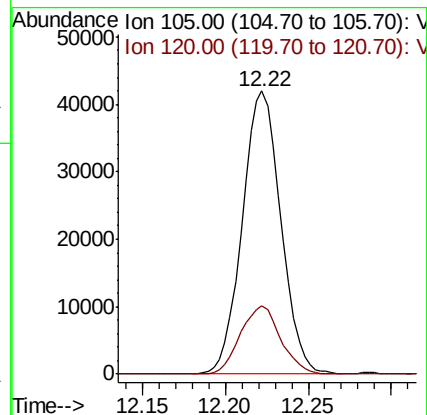
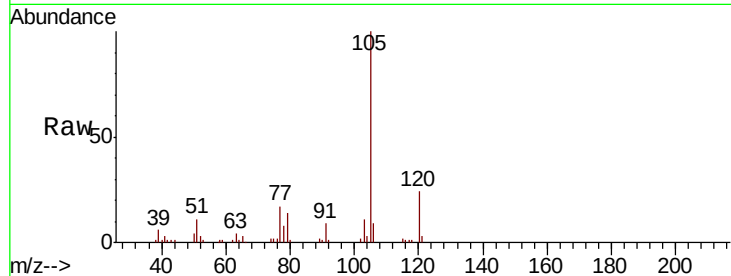
VSTDIC005

Tot Ion:105 Resp: 67722

Ion Ratio Lower Upper

105 100

120 25.0 13.2 39.5



#74

N-ethyl acetate

Concen: 4.718 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Tgt Ion: 43 Resp: 27766

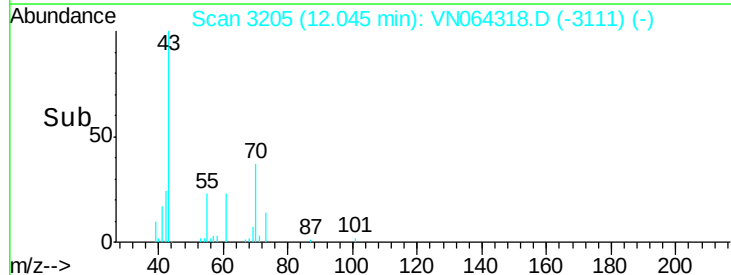
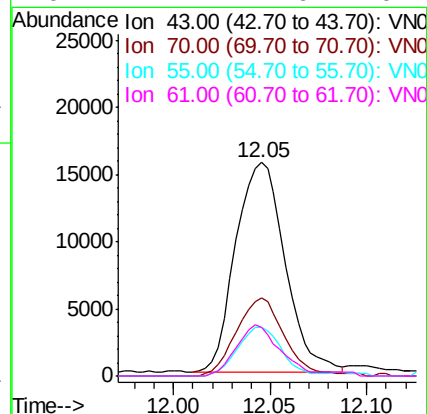
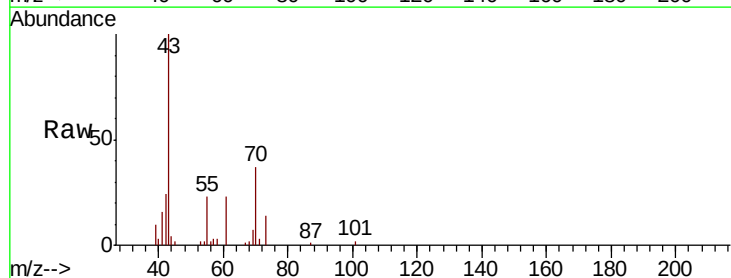
Ion Ratio Lower Upper

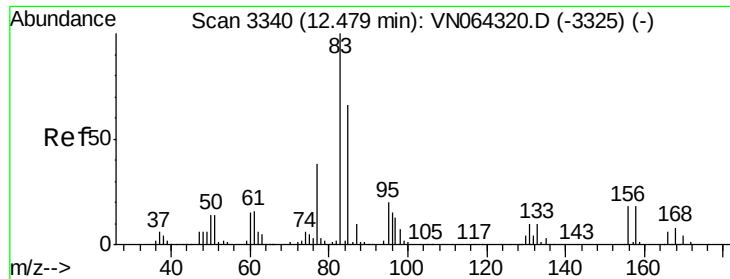
43 100

70 36.3 30.6 45.8

55 20.7 18.2 27.4

61 22.4 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.453 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

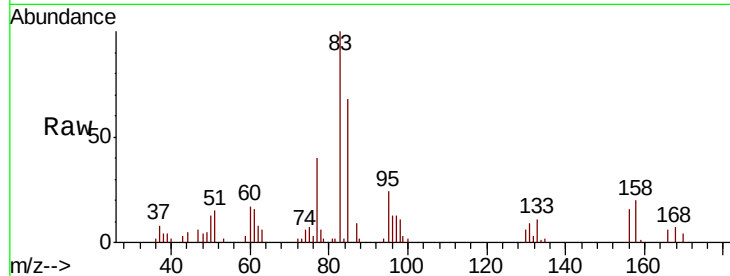
Tot Ion: 83 Resp: 19836

Ion Ratio Lower Upper

83 100

131 5.6 5.4 16.2

85 62.1 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

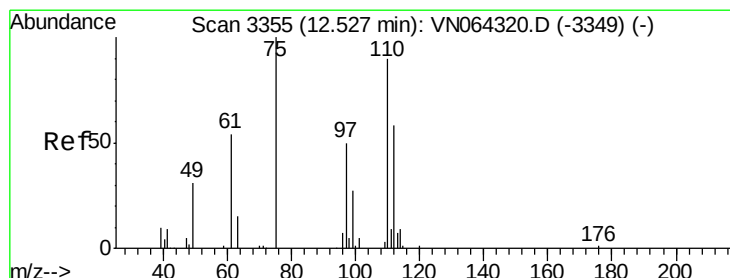
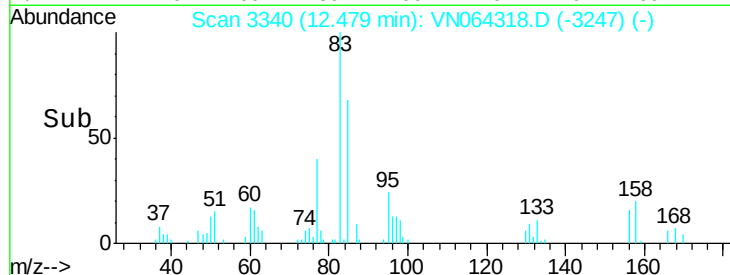
12.48

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.143 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064318.D

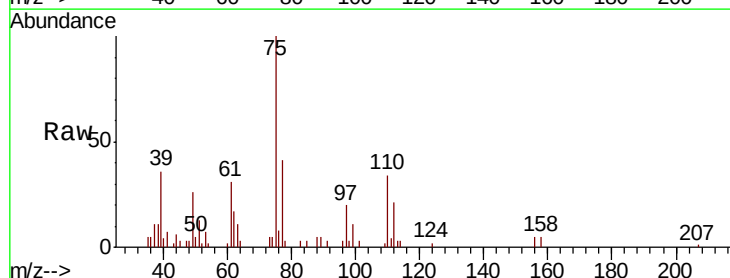
Acq: 27 Oct 2020 10:29

Tgt Ion: 75 Resp: 27673

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

20000

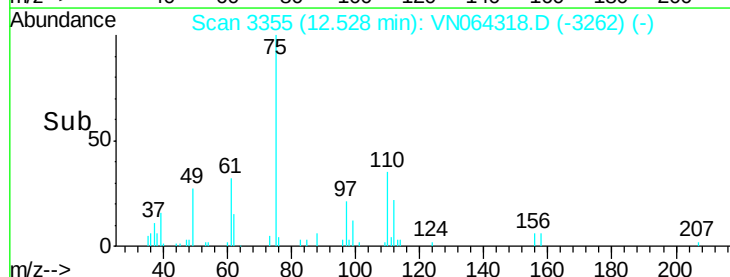
15000

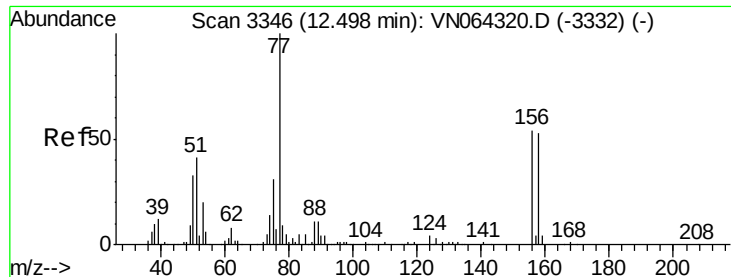
10000

5000

0

Time-->





#77

Bromobenzene

Concen: 5.188 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

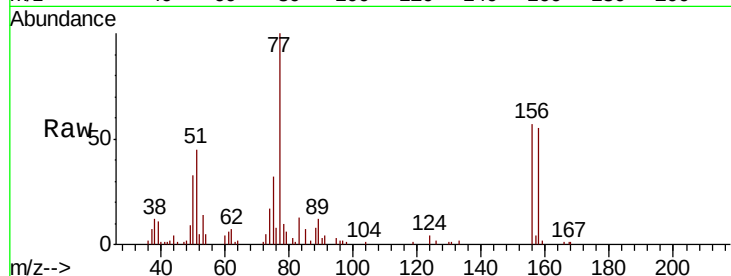
Tot Ion:156 Resp: 16687

Ion Ratio Lower Upper

156 100

77 225.2 111.9 335.7

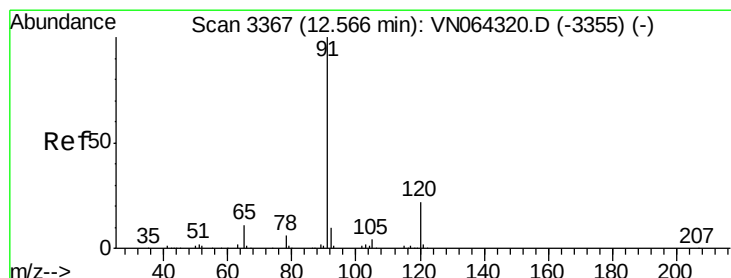
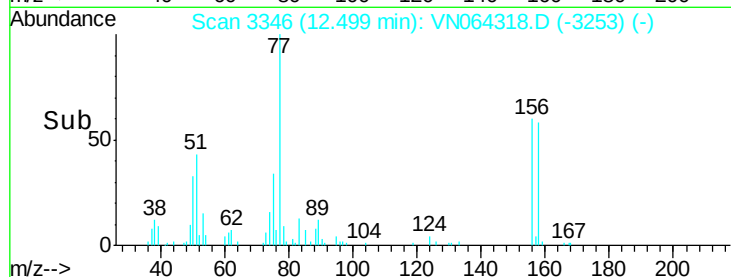
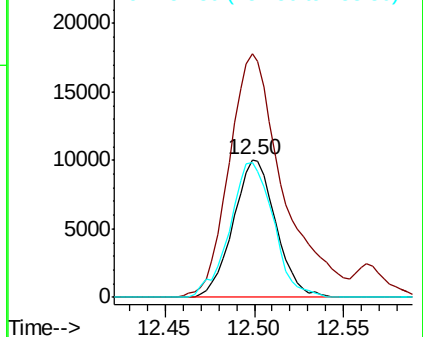
158 100.6 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.907 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064318.D

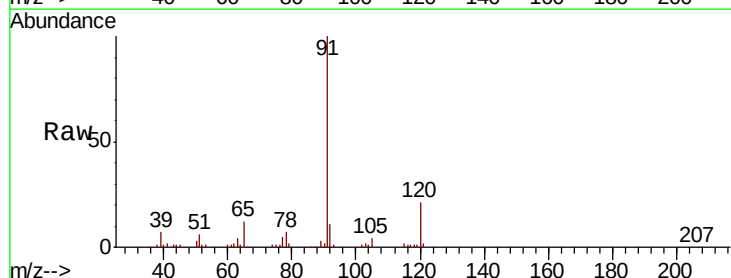
Acq: 27 Oct 2020 10:29

Tgt Ion: 91 Resp: 75072

Ion Ratio Lower Upper

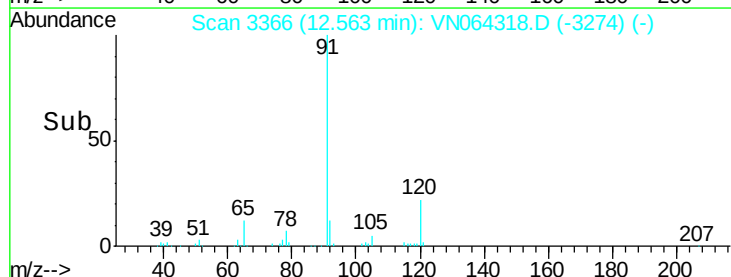
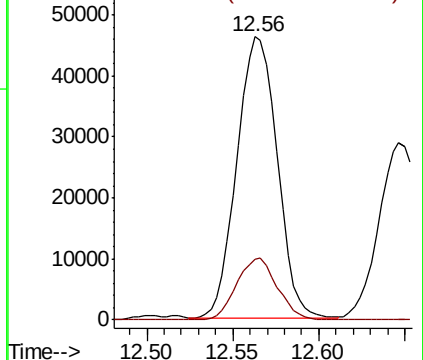
91 100

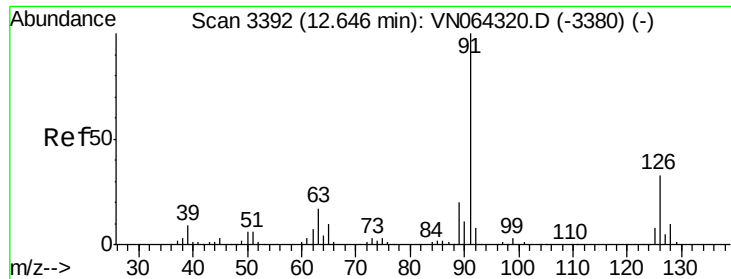
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.182 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

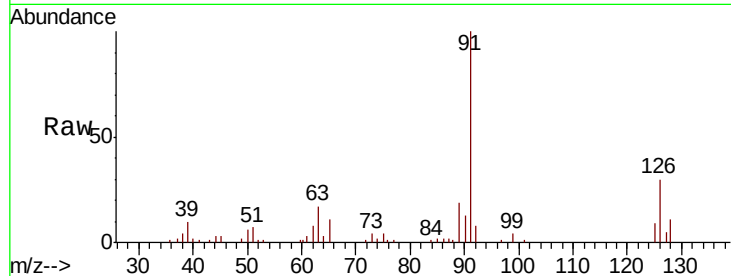
VSTDIC005

Tot Ion: 91 Resp: 48714

Ion Ratio Lower Upper

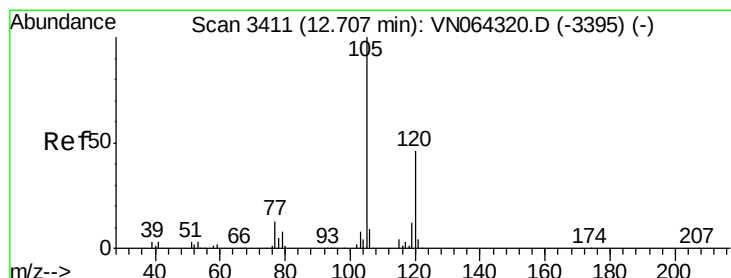
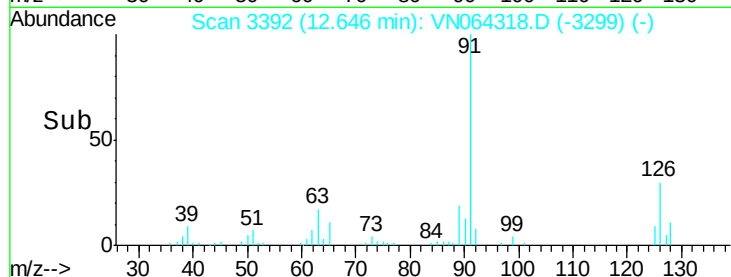
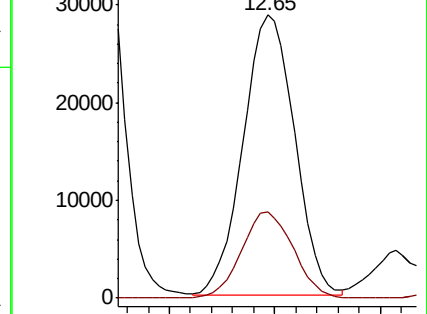
91 100

126 30.9 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064320.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.948 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064318.D

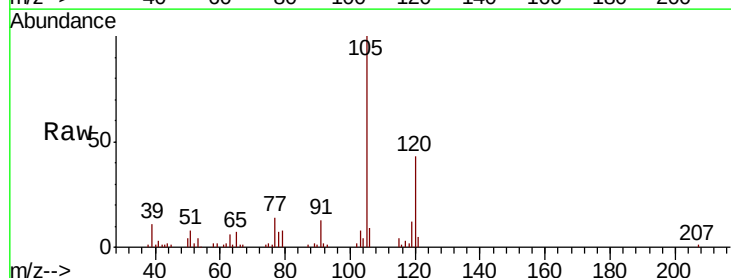
Acq: 27 Oct 2020 10:29

Tgt Ion: 105 Resp: 56649

Ion Ratio Lower Upper

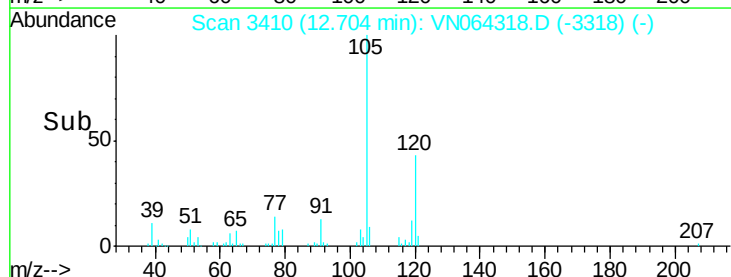
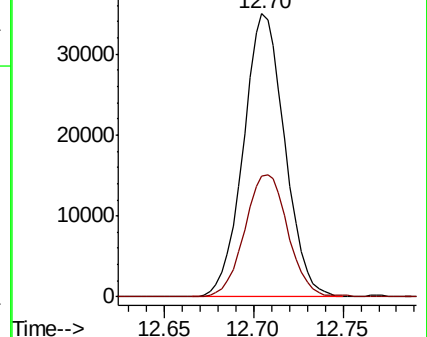
105 100

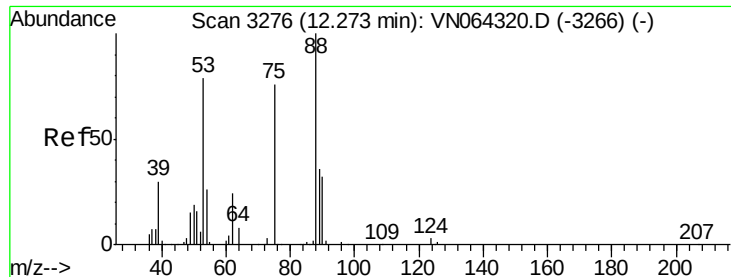
120 45.1 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)

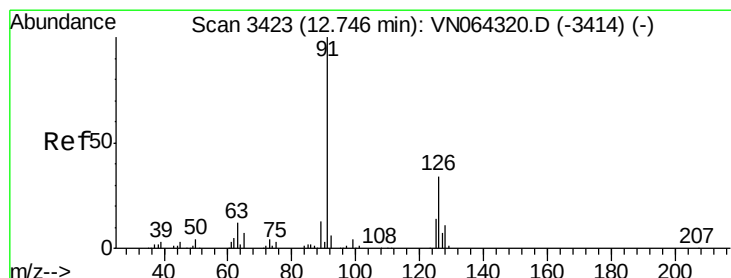
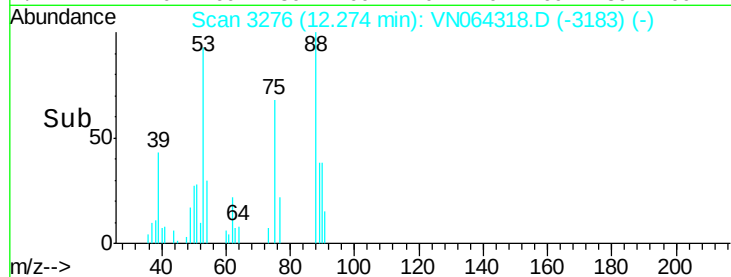
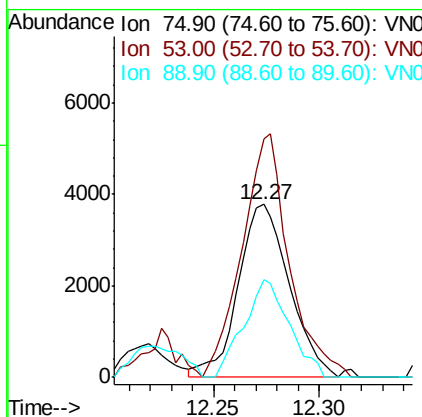
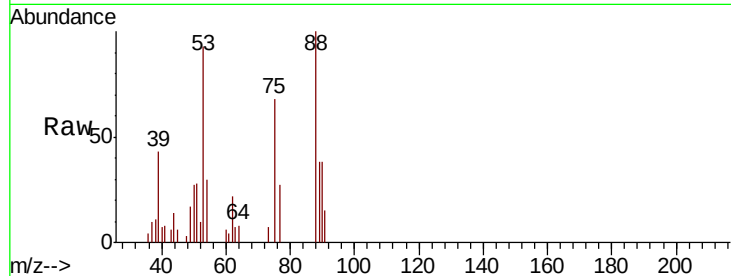




#81
trans-1,4-Dichloro-2-butene
Concen: 4.248 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

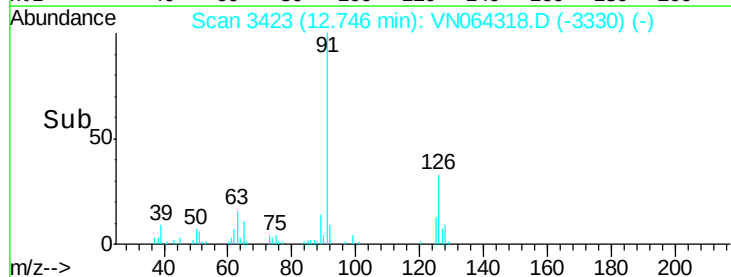
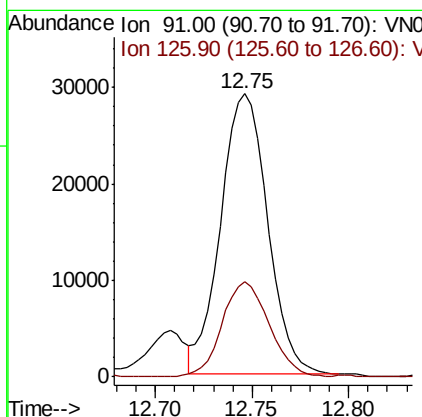
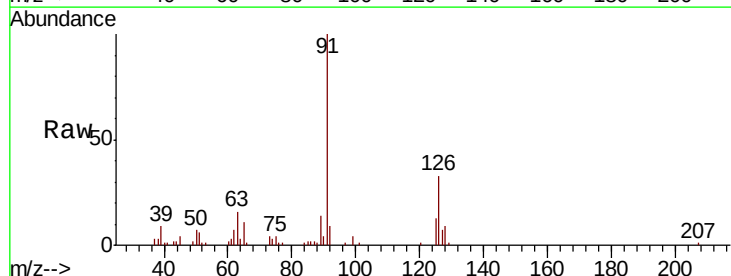
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

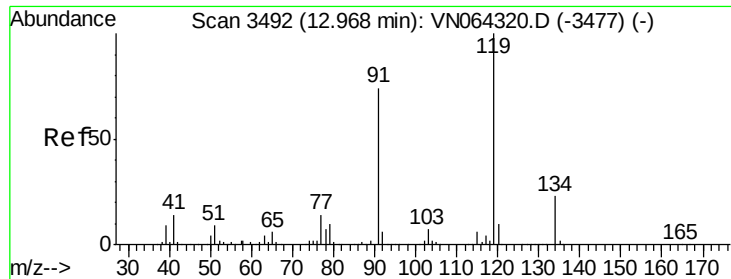
Tot Ion: 75 Resp: 6380
Ion Ratio Lower Upper
75 100
53 129.6 81.8 122.8#
89 49.9 39.9 59.9



#82
4-Chlorotoluene
Concen: 5.009 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion: 91 Resp: 49075
Ion Ratio Lower Upper
91 100
126 33.9 15.8 47.3

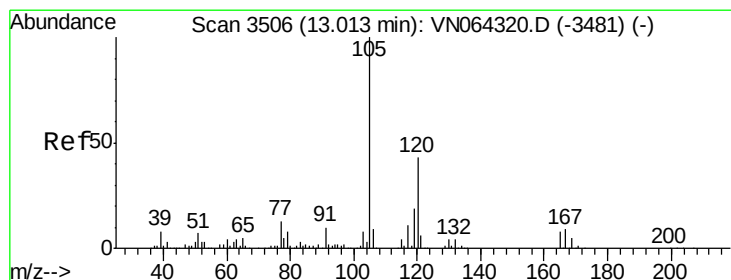
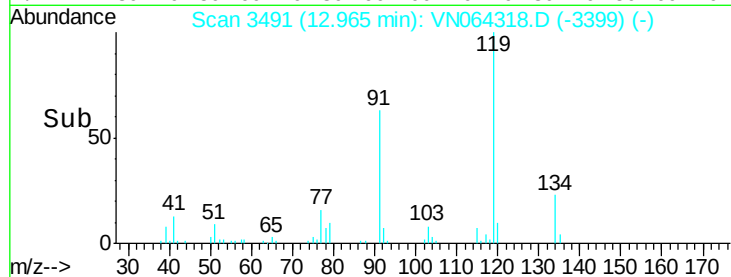
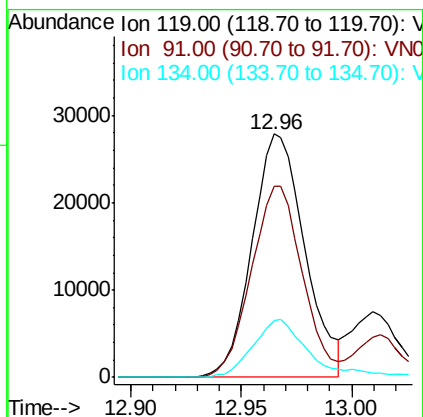
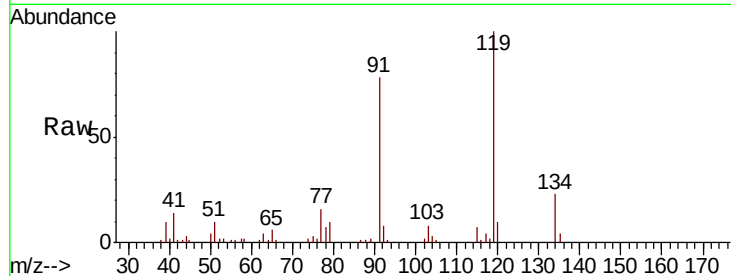




#83
 tert-Butylbenzene
 Concen: 4.934 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

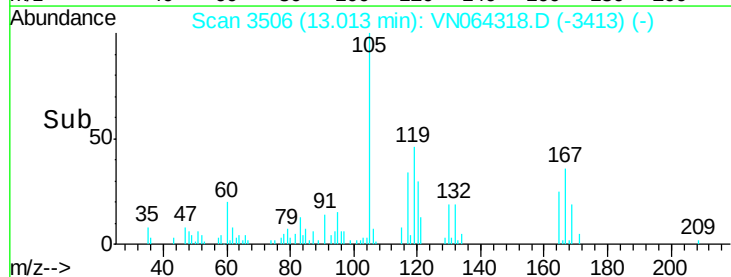
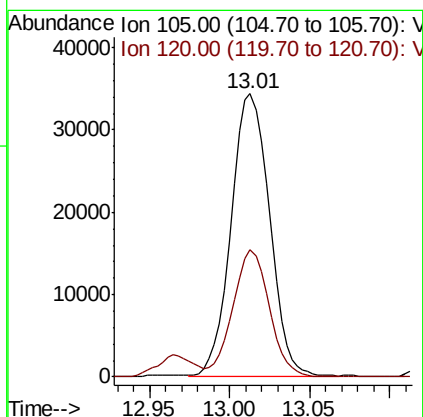
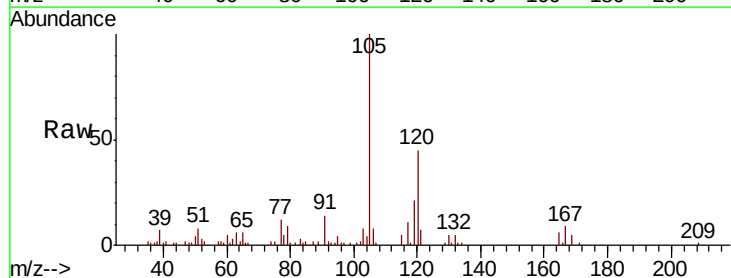
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

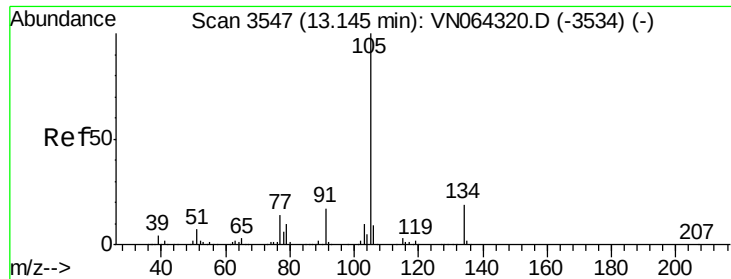
Tot Ion:119 Resp: 46272
 Ion Ratio Lower Upper
 119 100
 91 76.2 36.4 109.1
 134 25.7 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.947 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion:105 Resp: 56476
 Ion Ratio Lower Upper
 105 100
 120 42.5 21.3 64.0





#85

sec-Butylbenzene

Concen: 5.046 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

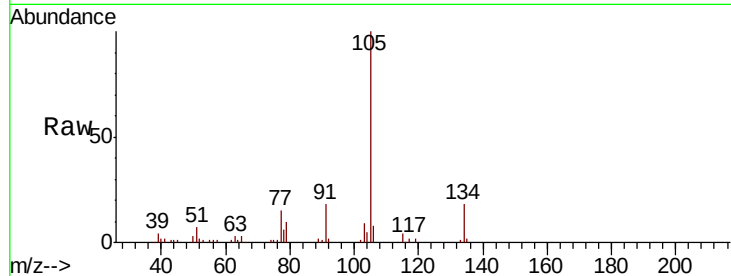
VSTDIC005

Tot Ion:105 Resp: 59645

Ion Ratio Lower Upper

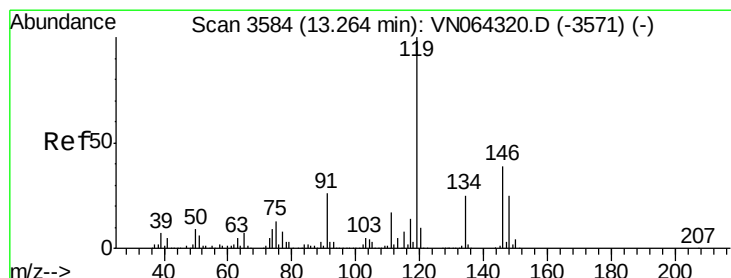
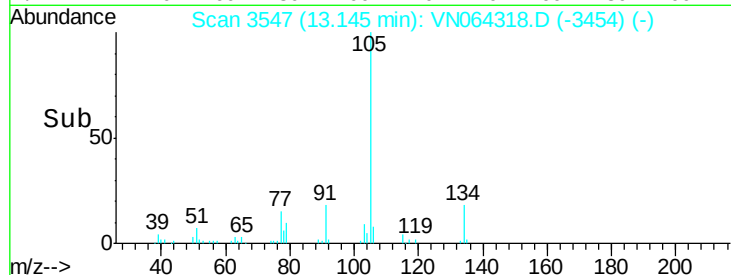
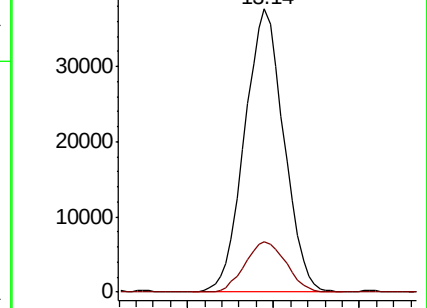
105 100

134 18.5 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.115 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

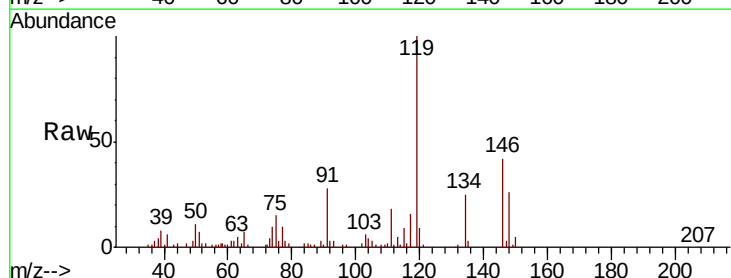
Tgt Ion:119 Resp: 55121

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.4

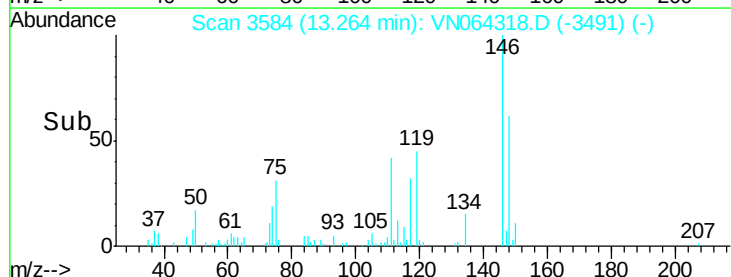
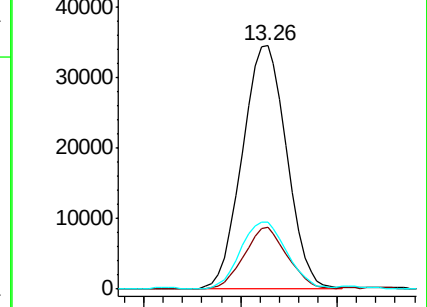
91 28.8 13.0 38.9

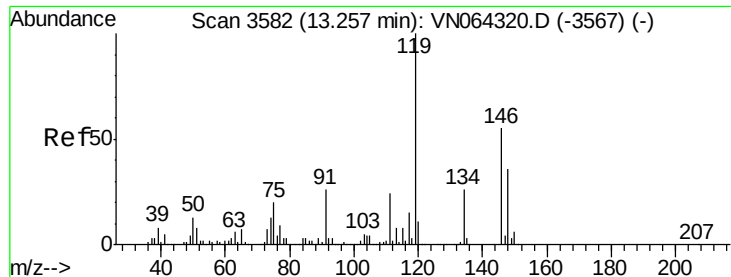


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

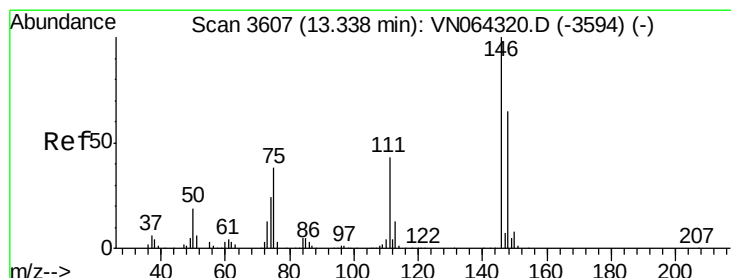
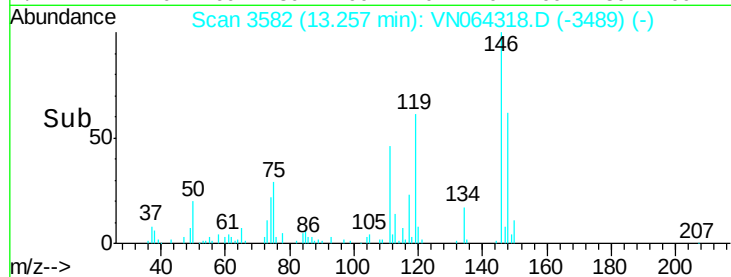
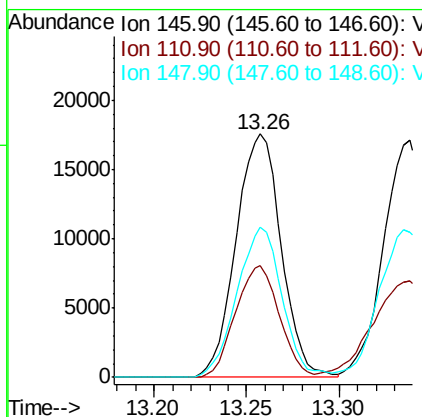
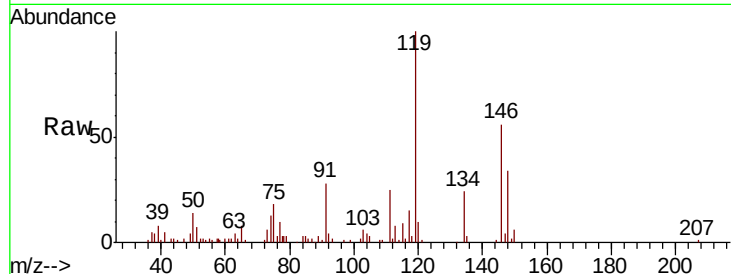




#87
 1,3-Dichlorobenzene
 Concen: 5.223 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

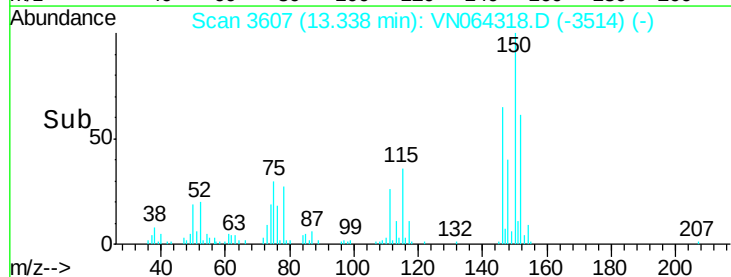
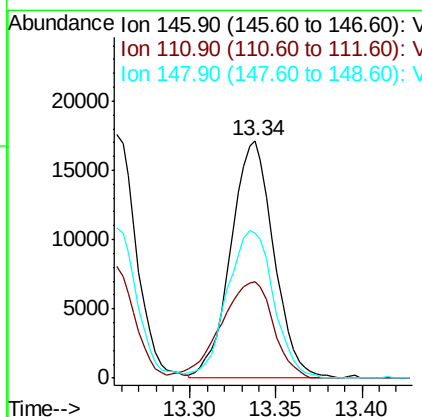
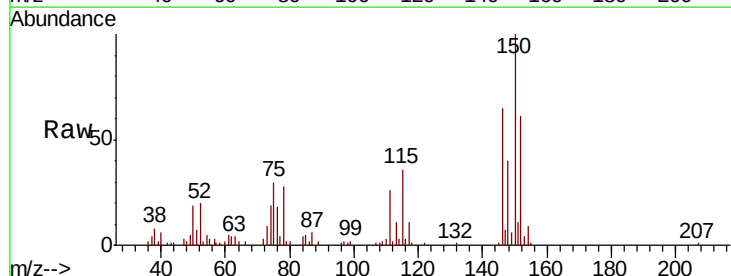
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

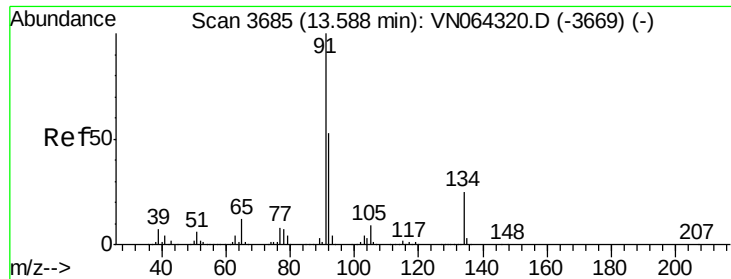
Tot Ion:146 Resp: 29764
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.9 65.5
 148 61.4 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 5.109 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion:146 Resp: 29729
 Ion Ratio Lower Upper
 146 100
 111 49.9 21.8 65.4
 148 67.5 31.8 95.3





#89

n-Butylbenzene

Concen: 5.077 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

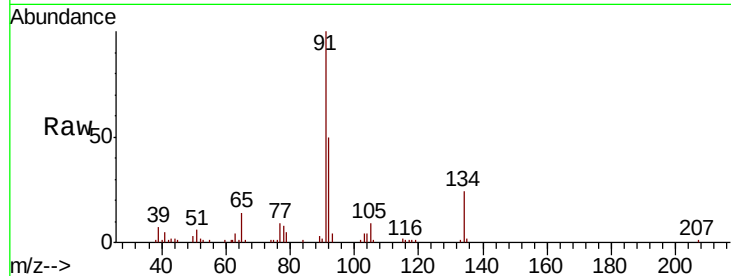
Tot Ion: 91 Resp: 48699

Ion Ratio Lower Upper

91 100

92 48.4 26.2 78.5

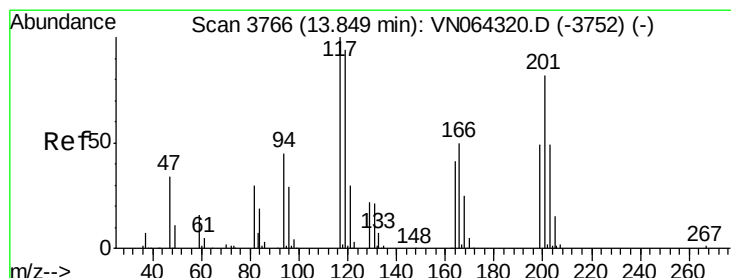
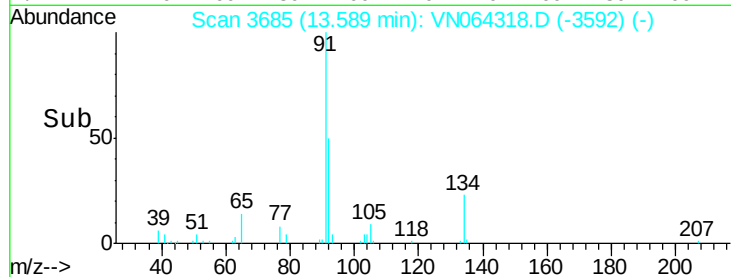
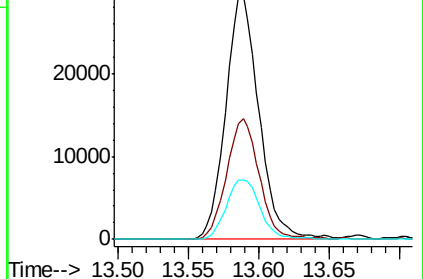
134 24.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN064320.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN064320.D (-3669) (-)



#90

Hexachloroethane

Concen: 5.250 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064318.D

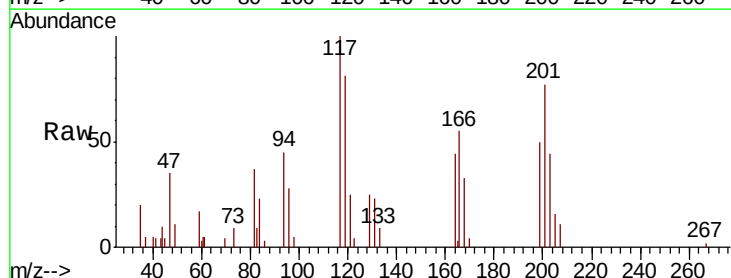
Acq: 27 Oct 2020 10:29

Tgt Ion: 117 Resp: 10432

Ion Ratio Lower Upper

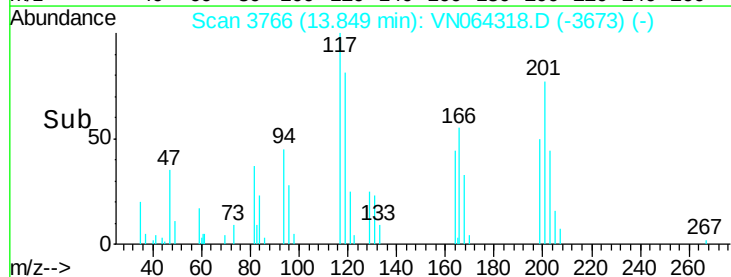
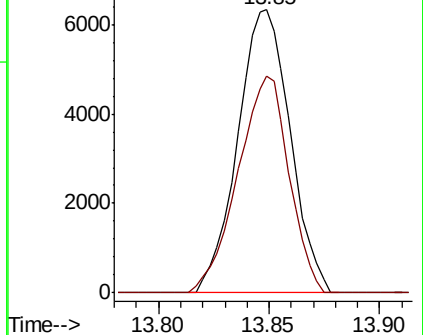
117 100

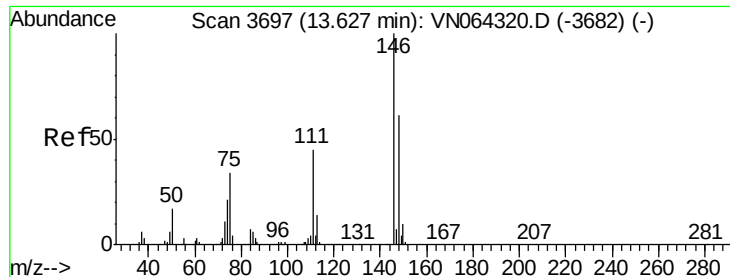
201 74.6 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): VN064320.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN064320.D (-3752) (-)





#91

1,2-Dichlorobenzene

Concen: 4.828 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

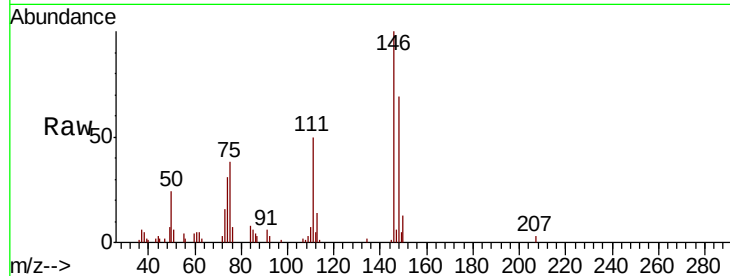
Tot Ion:146 Resp: 26938

Ion Ratio Lower Upper

146 100

111 48.7 23.0 69.0

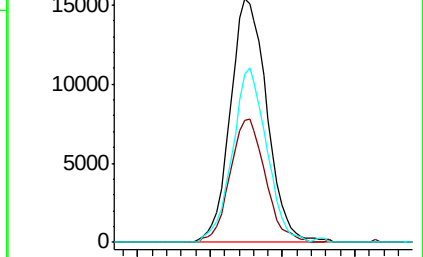
148 66.9 32.1 96.3



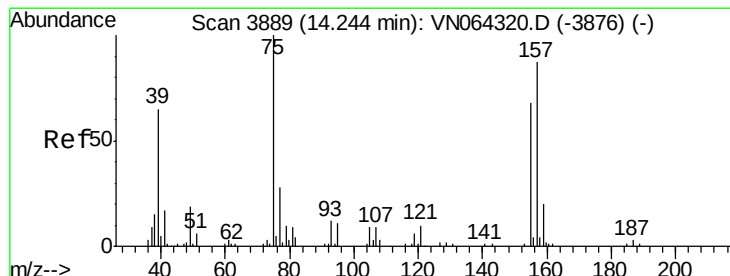
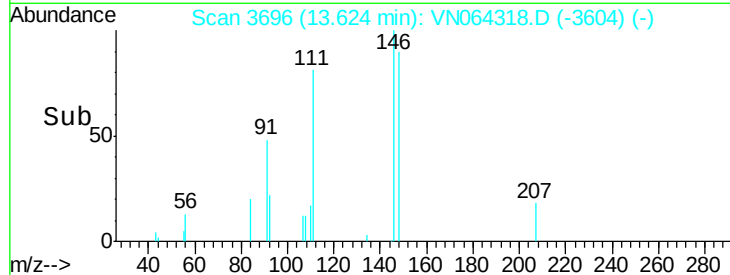
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.801 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064318.D

Acq: 27 Oct 2020 10:29

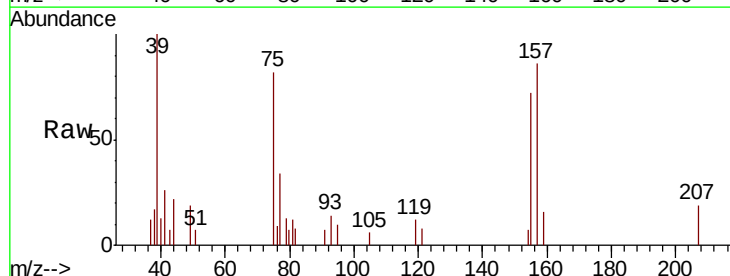
Tgt Ion: 75 Resp: 4385

Ion Ratio Lower Upper

75 100

155 78.4 35.1 105.5

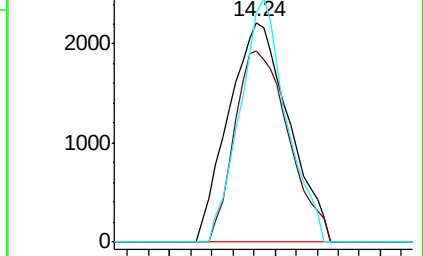
157 85.1 43.2 129.6



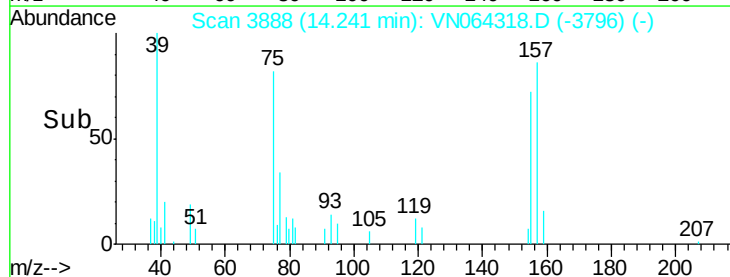
Abundance Ion 74.90 (74.60 to 75.60): V

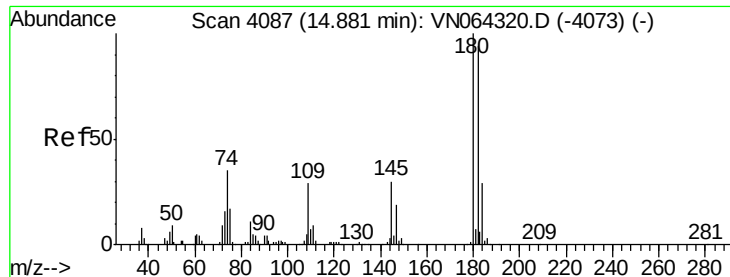
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

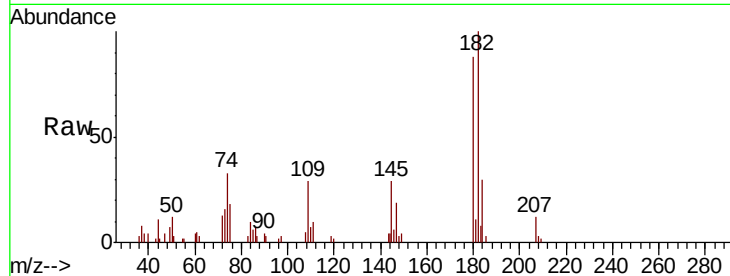




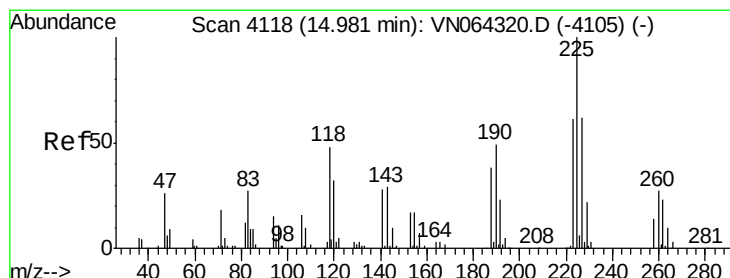
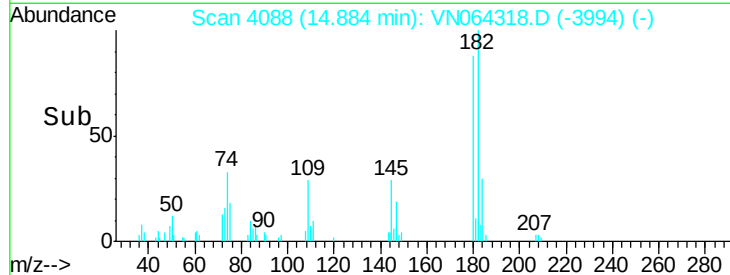
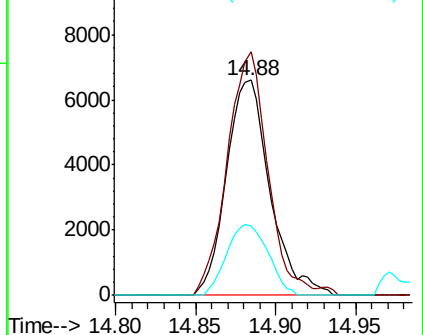
#93
 1,2,4-Trichlorobenzene
 Concen: 3.948 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.1	46.6	139.7
145	31.1	15.3	45.9

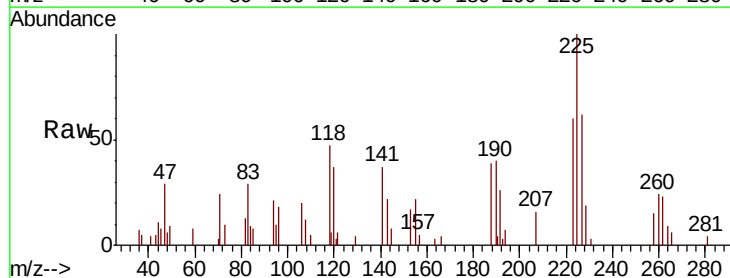


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

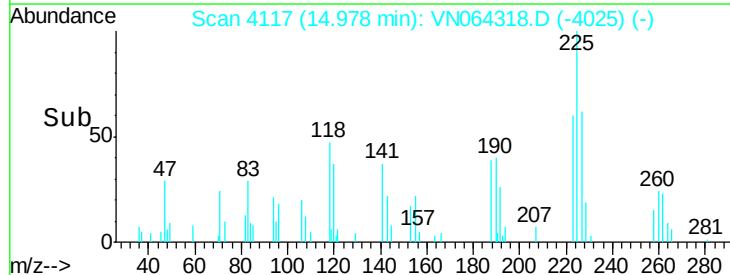
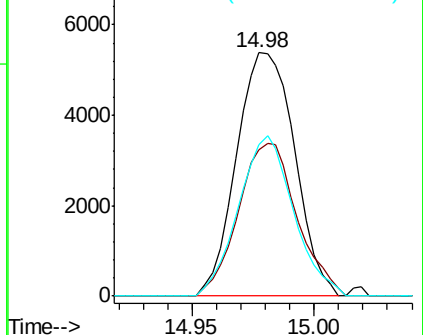


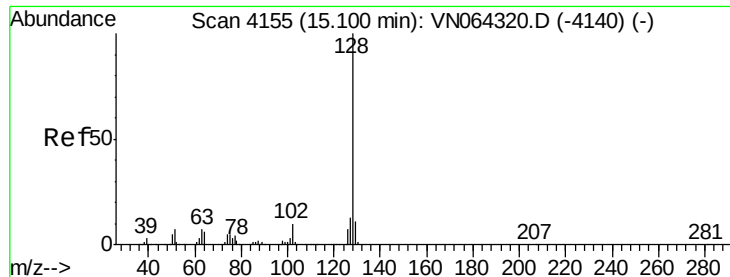
#94
 Hexachlorobutadiene
 Concen: 5.306 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064318.D
 Acq: 27 Oct 2020 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	62.2	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

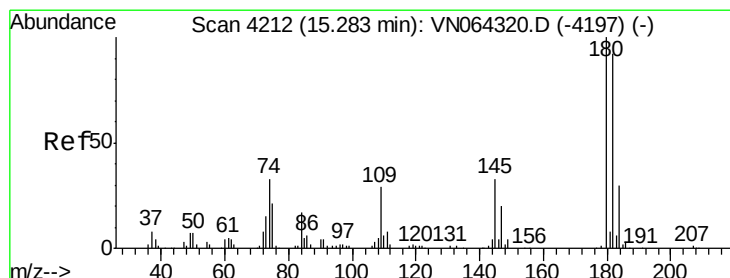
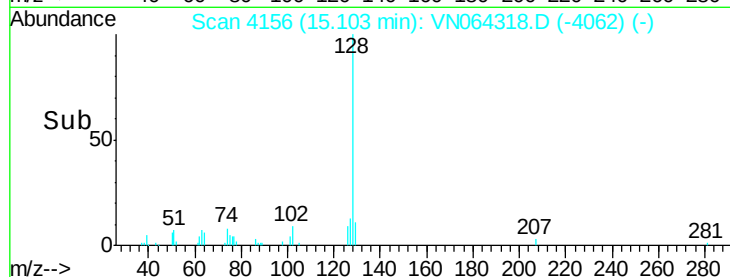
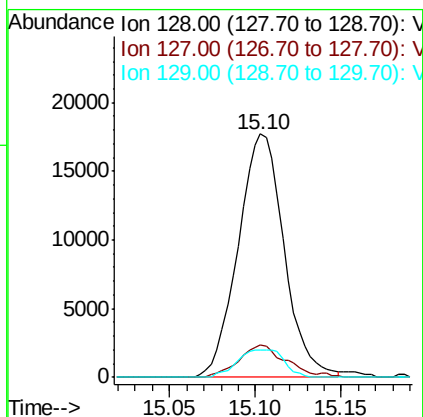
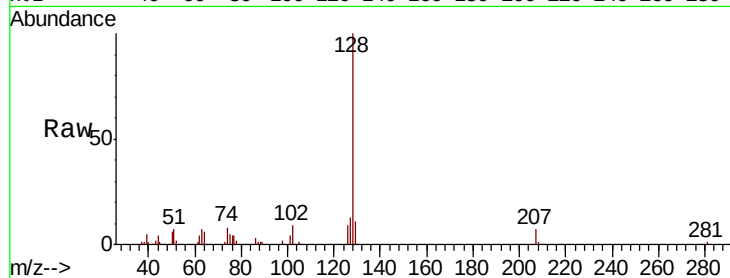




#95
Naphthalene
Concen: 3.530 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 32920
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 11.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.501 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064318.D
Acq: 27 Oct 2020 10:29

Tgt Ion:180 Resp: 10770
Ion Ratio Lower Upper
180 100
182 115.3 46.1 138.3
145 37.1 16.2 48.5

