

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062995.D
 Acq On : 18 Aug 2020 19:29
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 19 05:49:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	193815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	291510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	41290	17.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.96%	
35) Dibromofluoromethane	7.55	113	34311	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	
50) Toluene-d8	10.06	98	128981	17.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.36%	
62) 4-Bromofluorobenzene	12.38	95	43205	16.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	46649	20.328	ug/l	98
3) Chloromethane	2.03	50	50271	18.917	ug/l	99
4) Vinyl Chloride	2.16	62	49588	19.295	ug/l	96
5) Bromomethane	2.52	94	28083	18.410	ug/l	98
6) Chloroethane	2.66	64	28539	18.808	ug/l	100
7) Trichlorofluoromethane	2.98	101	57715	18.008	ug/l	97
8) Diethyl Ether	3.37	74	18686	16.481	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29905	17.316	ug/l	98
10) Methyl Iodide	3.91	142	37344	17.060	ug/l	97
11) Tert butyl alcohol	4.74	59	28240	86.794	ug/l	97
12) 1,1-Dichloroethene	3.70	96	27254	16.566	ug/l	99
13) Acrolein	3.57	56	5548	54.429	ug/l	100
14) Allyl chloride	4.27	41	48320	16.658	ug/l	98
15) Acrylonitrile	4.93	53	83056	86.849	ug/l	100
16) Acetone	3.78	43	65957	84.320	ug/l	97
17) Carbon Disulfide	4.01	76	75285	17.473	ug/l	98
18) Methyl Acetate	4.28	43	38535	16.881	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	98724	17.207	ug/l	99
20) Methylene Chloride	4.50	84	36559	14.175	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	29577	17.179	ug/l	98
22) Diisopropyl ether	5.91	45	119126	18.097	ug/l	94
23) Vinyl Acetate	5.85	43	368486	82.955	ug/l	99
24) 1,1-Dichloroethane	5.80	63	64334	17.490	ug/l	97
25) 2-Butanone	6.79	43	105029	86.123	ug/l	97
26) 2,2-Dichloropropane	6.78	77	50584	17.486	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	36542	16.933	ug/l	98
28) Bromochloromethane	7.15	49	34974	18.172	ug/l	99
29) Tetrahydrofuran	7.17	42	69386	88.157	ug/l	99
30) Chloroform	7.33	83	64455	17.399	ug/l	99
31) Cyclohexane	7.61	56	58956	17.414	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	52964	17.512	ug/l	100
36) 1,1-Dichloropropene	7.75	75	42897	16.698	ug/l	99
37) Ethyl Acetate	6.89	43	41214	17.079	ug/l	99
38) Carbon Tetrachloride	7.73	117	45196	17.426	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51954	17.115	ug/l	97
40) Benzene	8.00	78	140121	17.197	ug/l	99
41) Methacrylonitrile	7.17	41	62924	54.865	ug/l #	18
42) 1,2-Dichloroethane	8.09	62	48065	17.569	ug/l	100
43) Isopropyl Acetate	8.13	43	67725	16.983	ug/l	99
44) Trichloroethene	8.80	130	34426	16.986	ug/l	96
45) 1,2-Dichloropropane	9.08	63	40915	17.372	ug/l	99
46) Dibromomethane	9.17	93	24118	17.726	ug/l	99
47) Bromodichloromethane	9.37	83	51288	17.211	ug/l	100
48) Methyl methacrylate	9.17	41	32649	17.303	ug/l	96
49) 1,4-Dioxane	9.17	88	12433	338.038	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	225148	89.320	ug/l	98
52) Toluene	10.13	92	85966	17.490	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	52898	17.165	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	58951	17.438	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	37100	17.653	ug/l	99
56) Ethyl methacrylate	10.40	69	48682	17.154	ug/l	96
57) 1,3-Dichloropropane	10.68	76	61047	17.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	55484	81.573	ug/l	98
59) 2-Hexanone	10.72	43	154306	87.762	ug/l	96
60) Dibromochloromethane	10.88	129	39766	17.098	ug/l	99
61) 1,2-Dibromoethane	10.98	107	35832	17.744	ug/l	99
64) Tetrachloroethene	10.60	164	31299	17.167	ug/l	99
65) Chlorobenzene	11.41	112	94336	16.935	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	36725	16.950	ug/l	99
67) Ethyl Benzene	11.49	91	161799	17.190	ug/l	100
68) m/p-Xylenes	11.60	106	123193	35.215	ug/l	99
69) o-Xylene	11.92	106	58842	17.516	ug/l	99
70) Styrene	11.94	104	101063	17.530	ug/l	99
71) Bromoform	12.10	173	29504	17.108	ug/l #	99
73) Isopropylbenzene	12.23	105	157856	17.497	ug/l	99
74) N-amyl acetate	12.05	43	56668	17.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	54013	16.779	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	64106	24.705	ug/l #	100
77) Bromobenzene	12.50	156	42946	17.308	ug/l	98
78) n-propylbenzene	12.57	91	183491	17.843	ug/l	99
79) 2-Chlorotoluene	12.65	91	112121	17.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	131651	17.652	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	15926	17.080	ug/l	95
82) 4-Chlorotoluene	12.75	91	115230	17.495	ug/l	99
83) tert-Butylbenzene	12.97	119	112225	17.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	129201	17.782	ug/l	99
85) sec-Butylbenzene	13.15	105	153462	17.640	ug/l	100
86) p-Isopropyltoluene	13.26	119	131854	17.394	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	71987	16.881	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	72726	16.803	ug/l	97
89) n-Butylbenzene	13.59	91	102831	16.075	ug/l	97
90) Hexachloroethane	13.85	117	27314	16.953	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	71950	17.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8412	18.513	ug/l	96

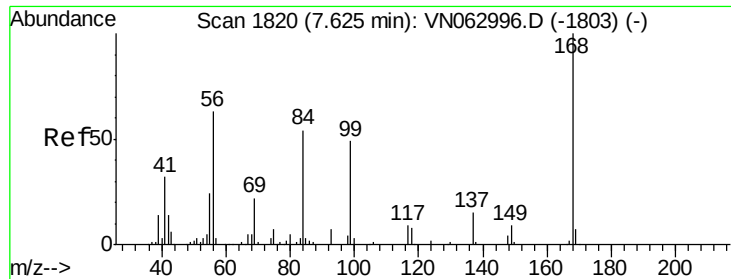
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	29819	16.568	ug/l	100
94) Hexachlorobutadiene	14.99	225	25409	16.693	ug/l	100
95) Naphthalene	15.11	128	61917	15.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	30584	16.920	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

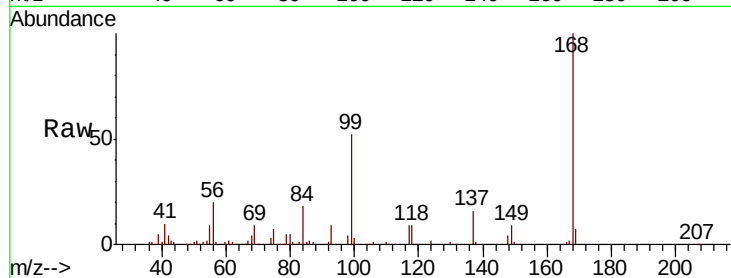
VSTDIC020

Tot Ion:168 Resp: 193815

Ion Ratio Lower Upper

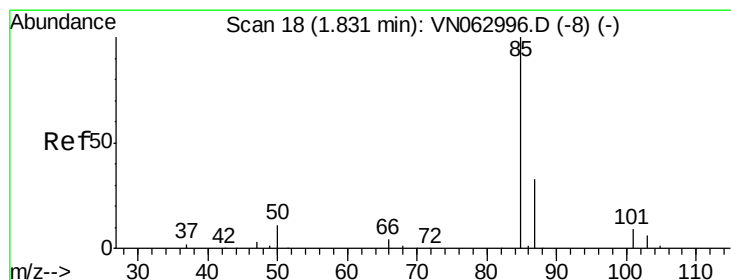
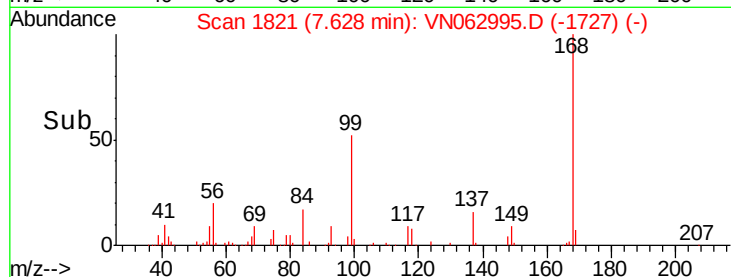
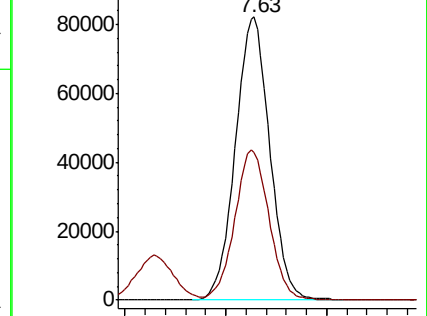
168 100

99 52.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.328 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062995.D

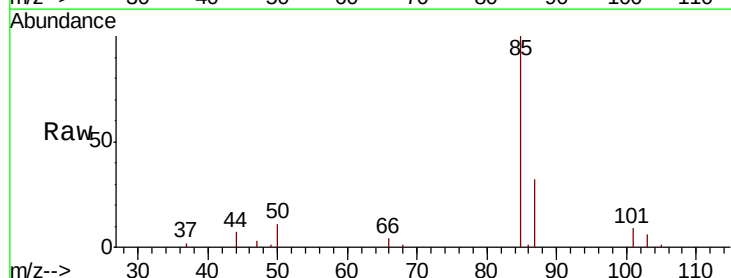
Acq: 18 Aug 2020 19:29

Tgt Ion: 85 Resp: 46649

Ion Ratio Lower Upper

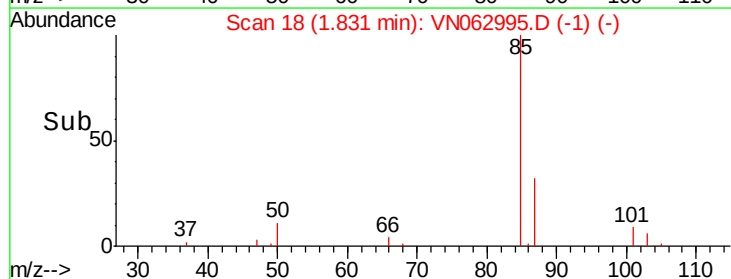
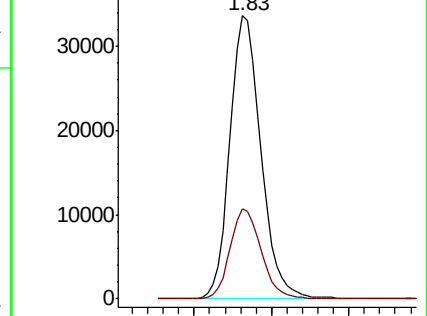
85 100

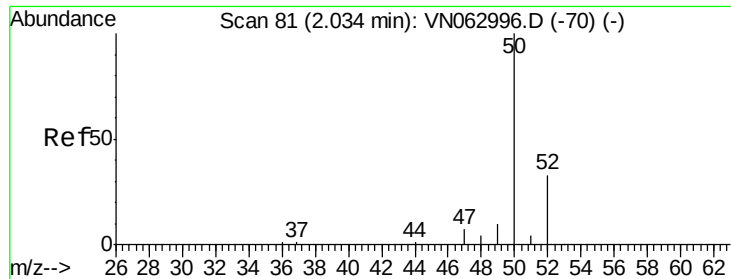
87 31.6 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.917 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

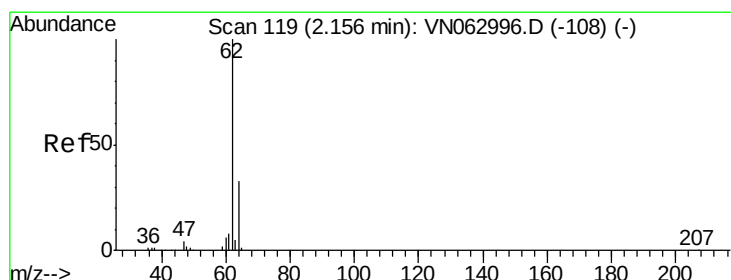
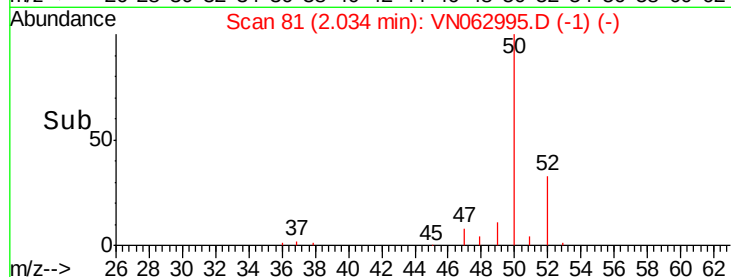
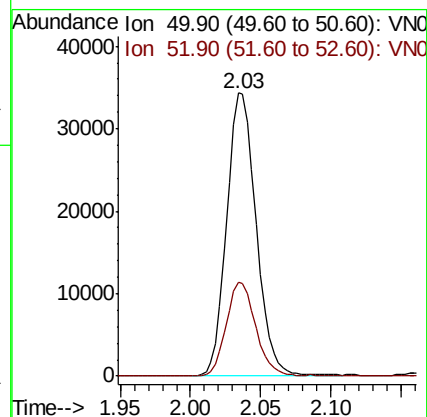
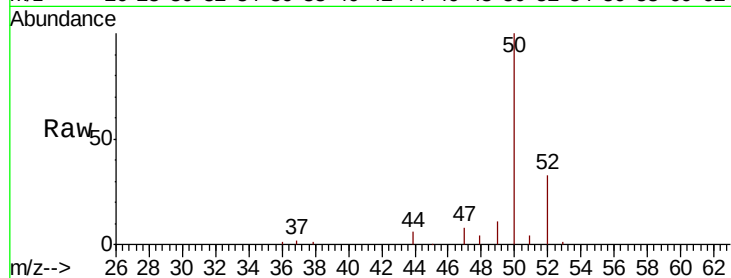
VSTDIC020

Tot Ion: 50 Resp: 50271

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 19.295 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062995.D

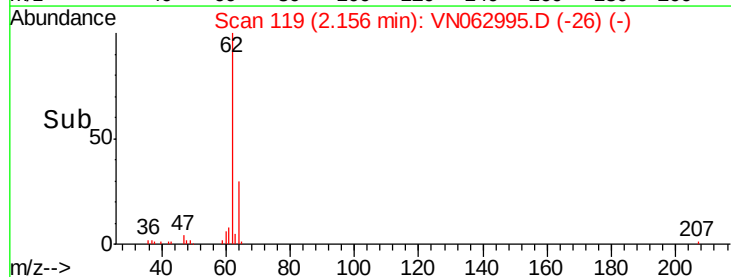
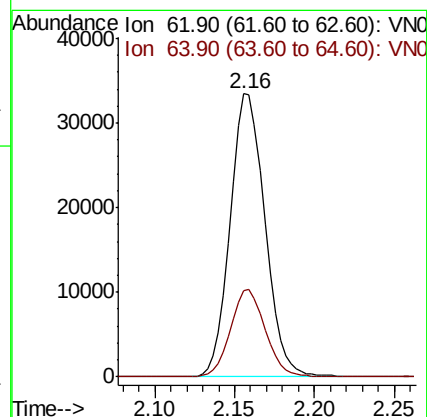
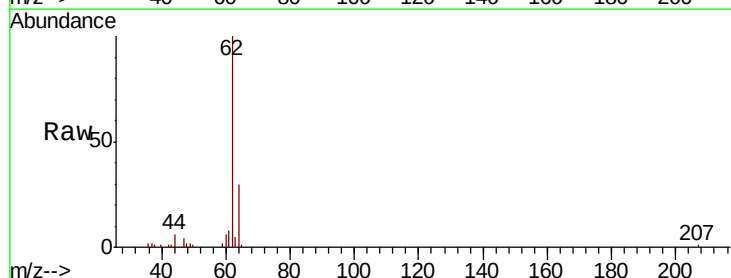
Acq: 18 Aug 2020 19:29

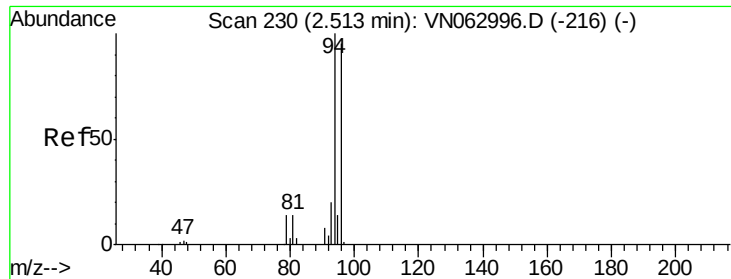
Tgt Ion: 62 Resp: 49588

Ion Ratio Lower Upper

62 100

64 30.5 26.2 39.2





#5

Bromomethane

Concen: 18.410 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

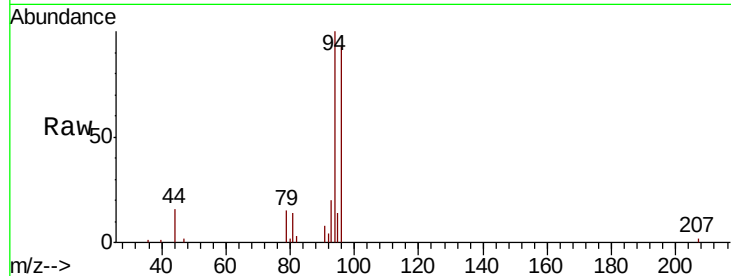
VSTDIC020

Tot Ion: 94 Resp: 28083

Ion Ratio Lower Upper

94 100

96 92.7 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN062995.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062995.D (-216) (-)

2.52

15000

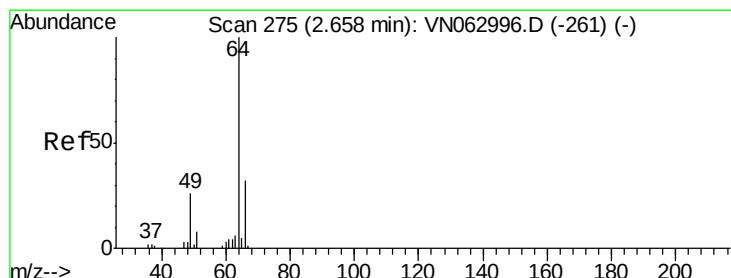
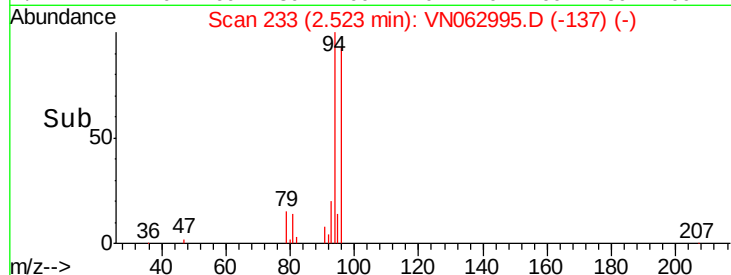
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 18.808 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.01 min

Lab File: VN062995.D

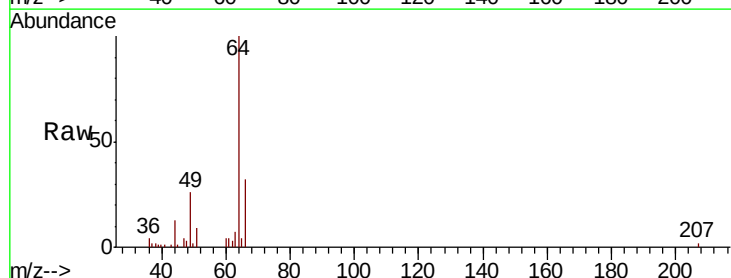
Acq: 18 Aug 2020 19:29

Tgt Ion: 64 Resp: 28539

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN062995.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN062995.D (-261) (-)

2.66

15000

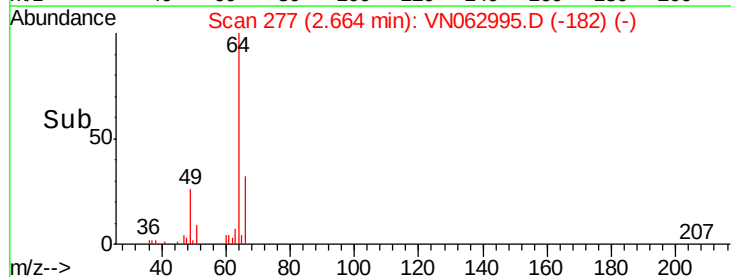
10000

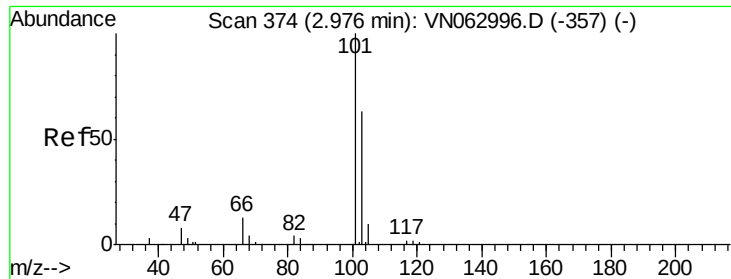
5000

0

Time-->

2.60 2.65 2.70 2.75



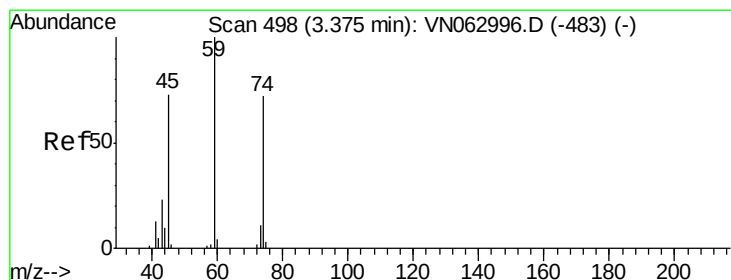
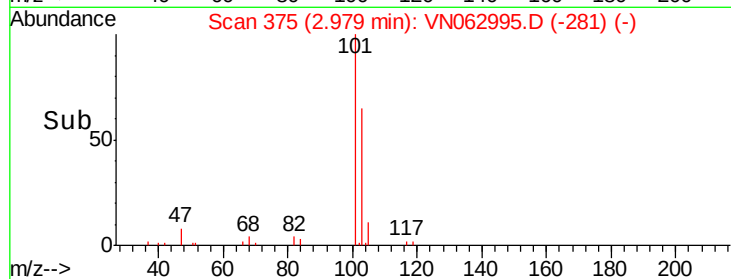
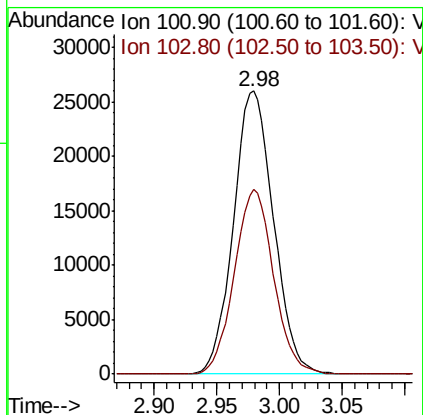
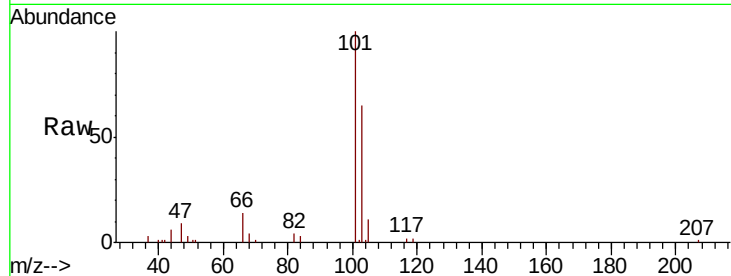


#7

Trichlorofluoromethane
 Concen: 18.008 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
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 ClientSampleId :
 VSTDIC020

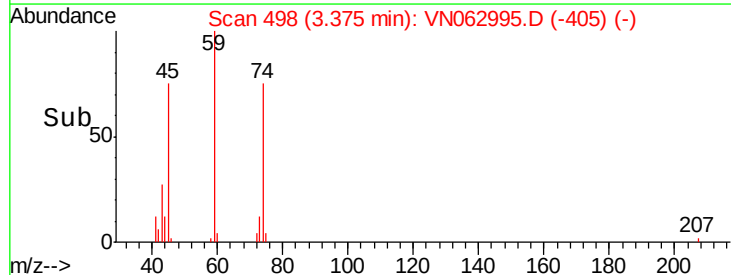
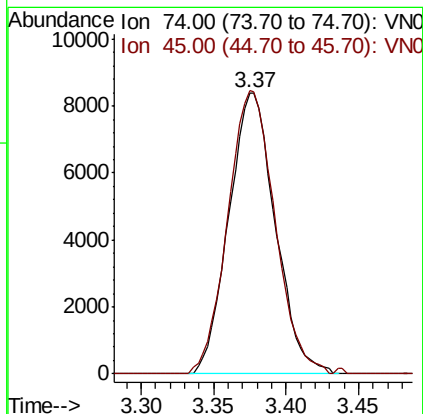
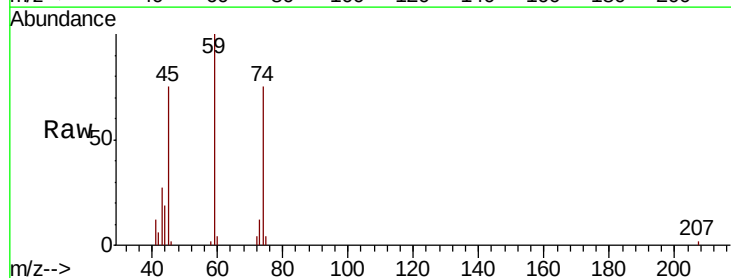
Tot Ion:101 Resp: 57715
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.5 75.7

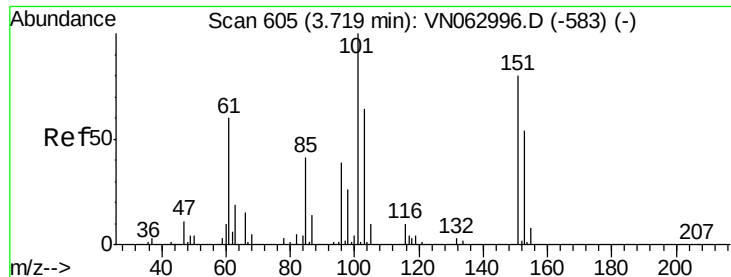


#8

Diethyl Ether
 Concen: 16.481 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 74 Resp: 18686
 Ion Ratio Lower Upper
 74 100
 45 102.0 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.316 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

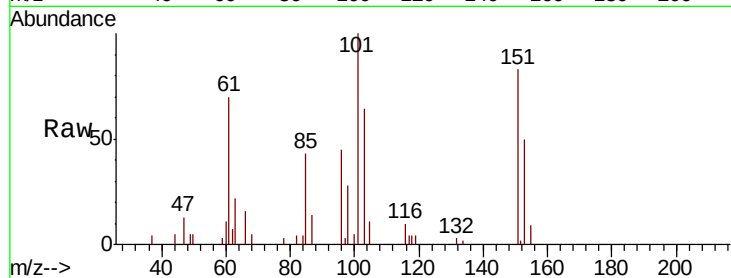
Tot Ion:101 Resp: 29905

Ion Ratio Lower Upper

101 100

85 42.8 34.0 51.0

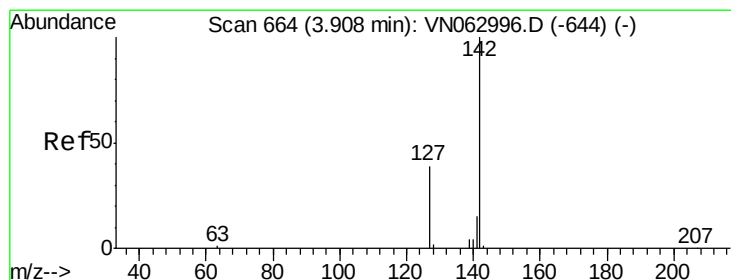
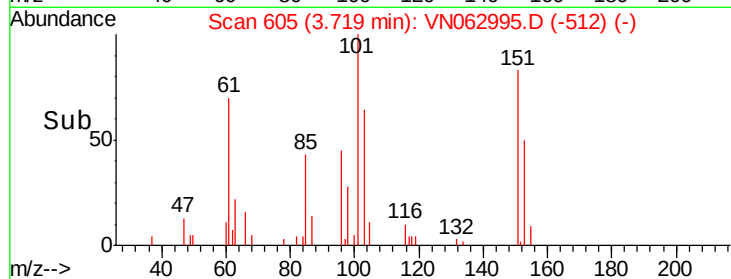
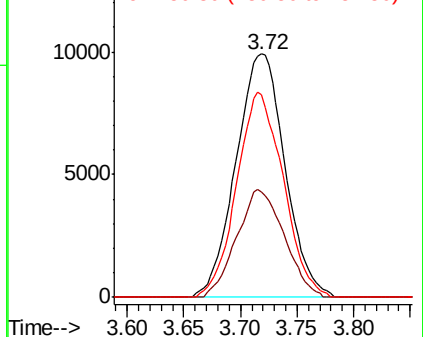
151 80.1 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.060 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

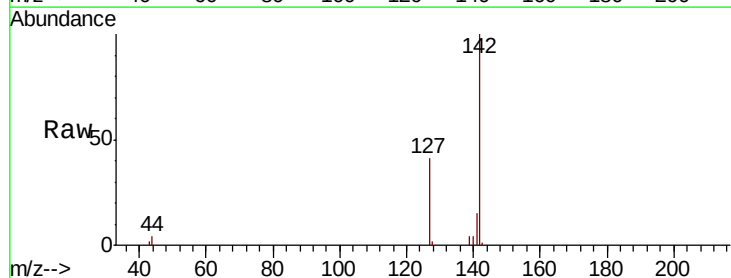
Tgt Ion:142 Resp: 37344

Ion Ratio Lower Upper

142 100

127 42.2 32.2 48.4

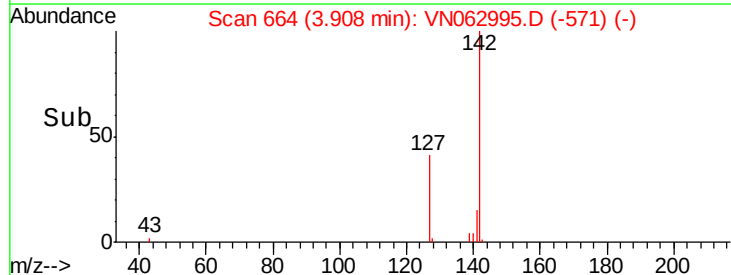
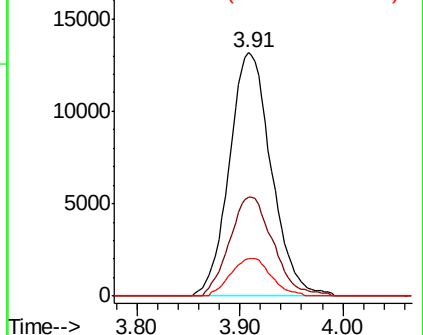
141 14.8 11.3 16.9

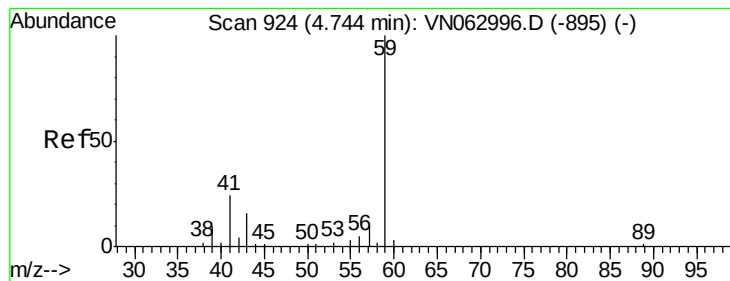


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



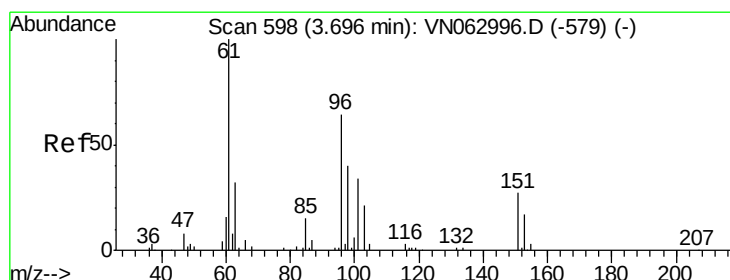
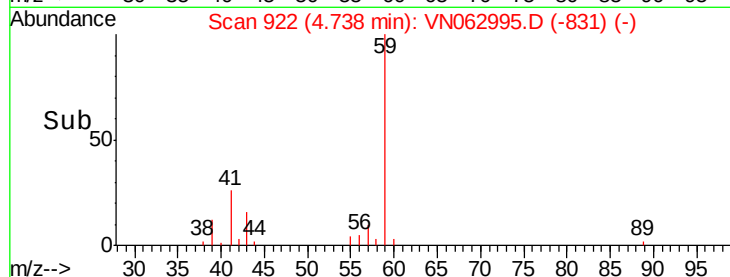
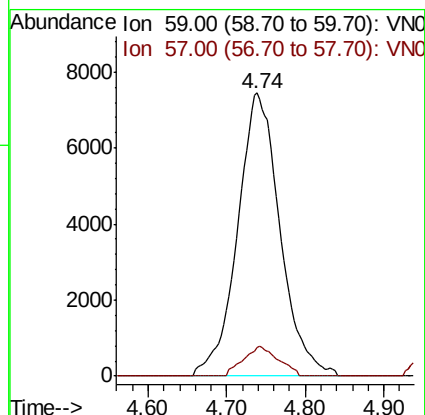
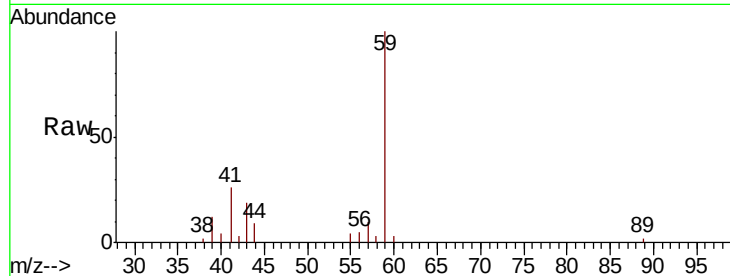


#11

Tert butyl alcohol
 Concen: 86.794 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

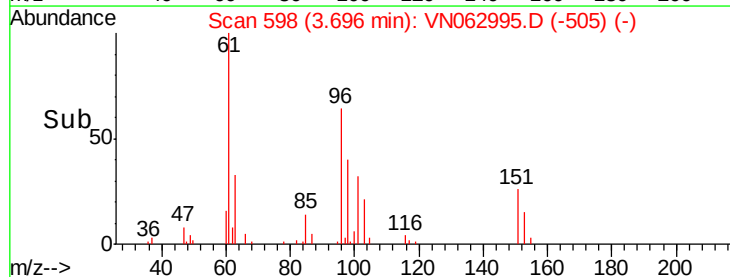
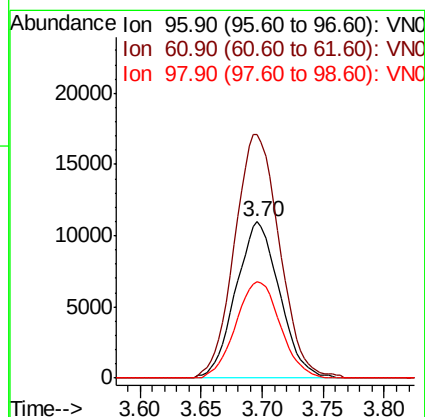
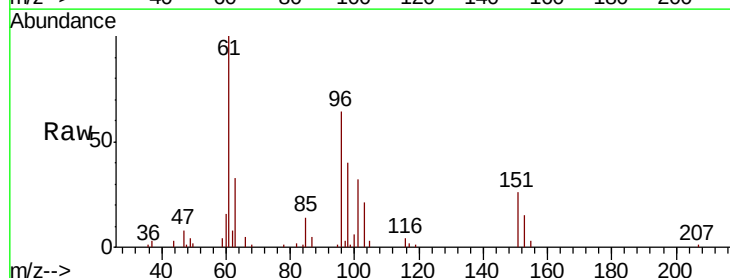
Tot Ion: 59 Resp: 28240
 Ion Ratio Lower Upper
 59 100
 57 8.7 7.8 11.6

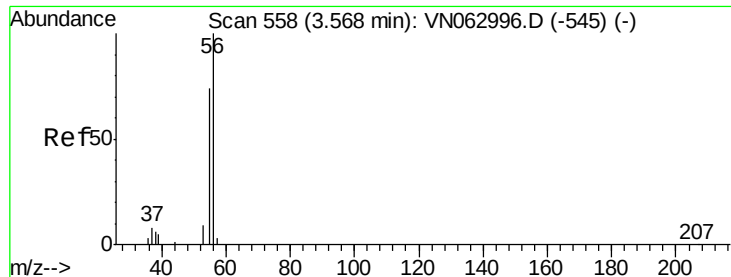


#12

1,1-Dichloroethene
 Concen: 16.566 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 96 Resp: 27254
 Ion Ratio Lower Upper
 96 100
 61 155.8 125.5 188.3
 98 61.7 50.4 75.6





#13

Acrolein

Concen: 54.429 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

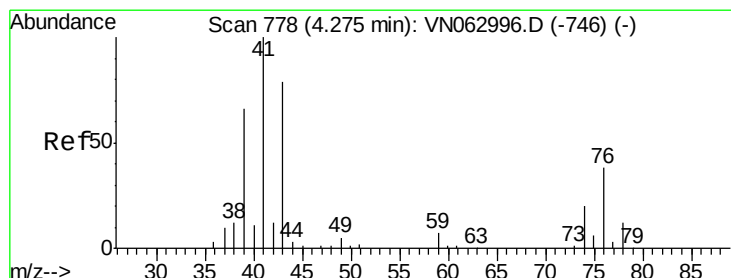
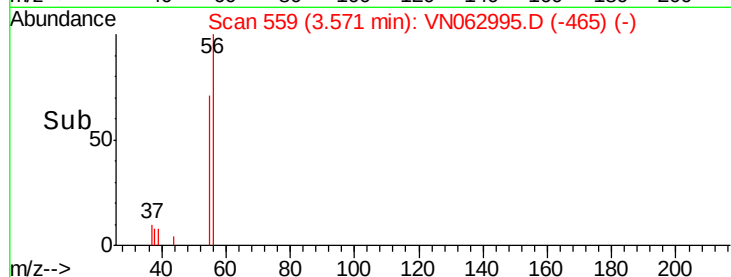
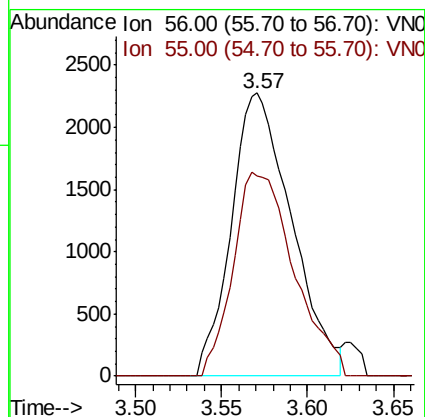
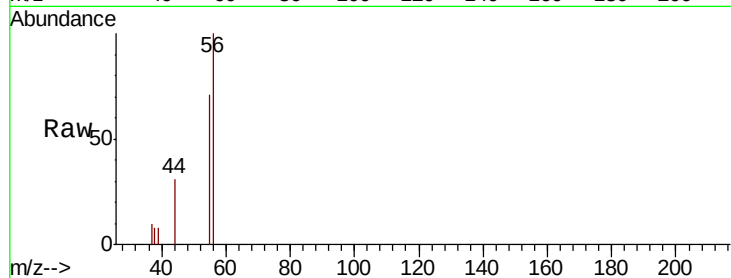
VSTDIC020

Tot Ion: 56 Resp: 5548

Ion Ratio Lower Upper

56 100

55 72.8 58.4 87.6



#14

Allyl chloride

Concen: 16.658 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

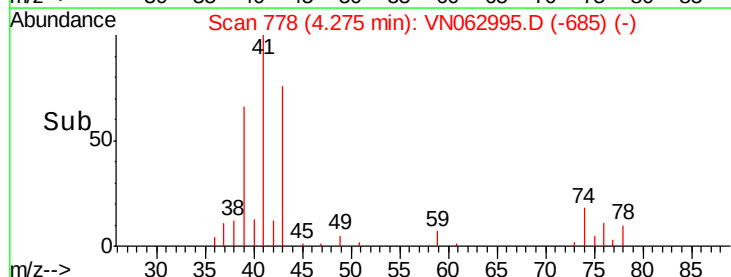
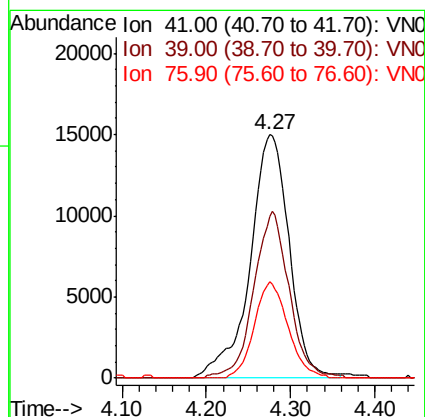
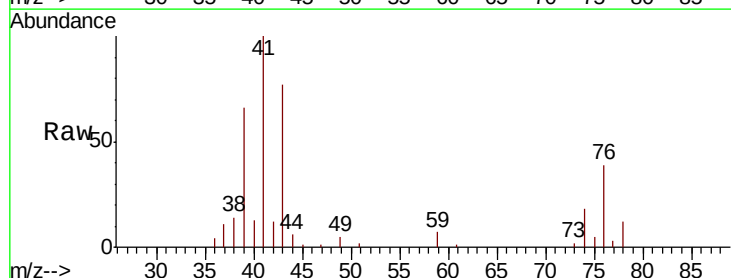
Tgt Ion: 41 Resp: 48320

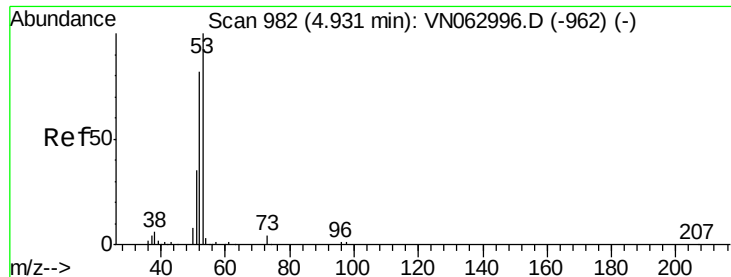
Ion Ratio Lower Upper

41 100

39 61.9 47.9 71.9

76 34.1 27.0 40.6





#15

Acrylonitrile

Concen: 86.849 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

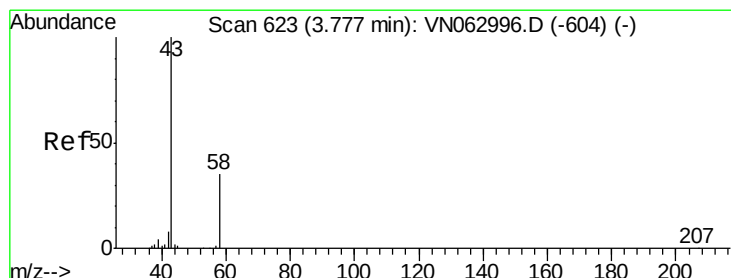
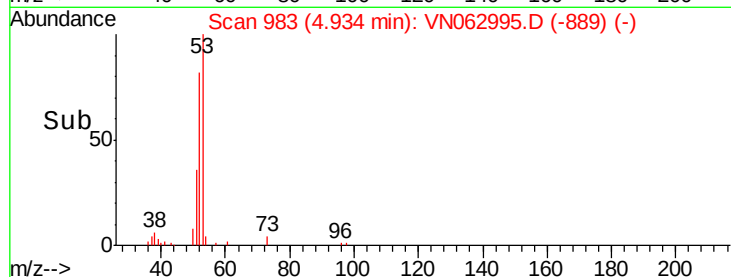
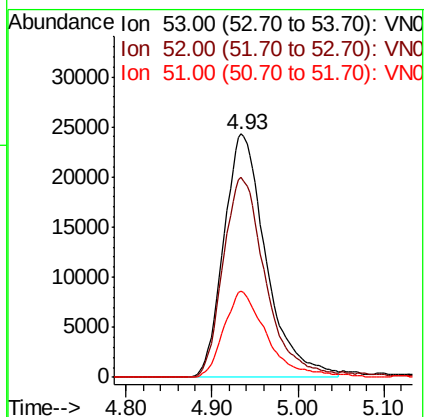
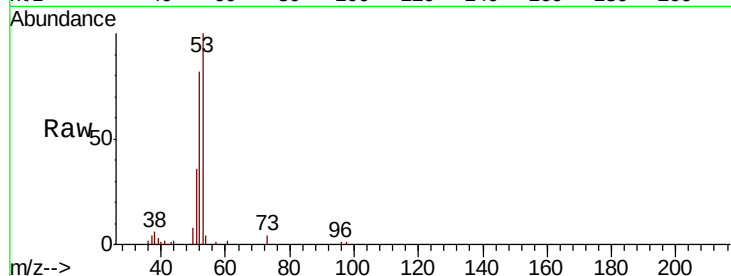
Tot Ion: 53 Resp: 83056

Ion Ratio Lower Upper

53 100

52 82.2 65.6 98.4

51 36.0 28.2 42.4



#16

Acetone

Concen: 84.320 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062995.D

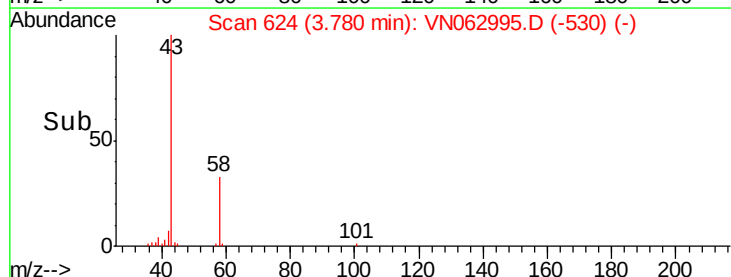
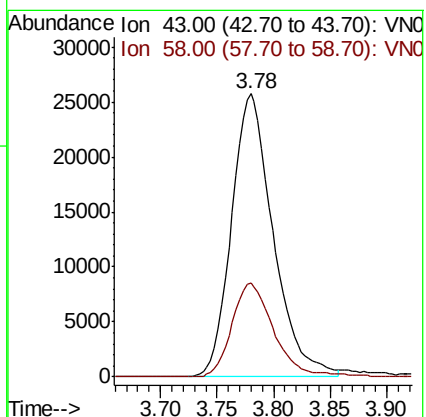
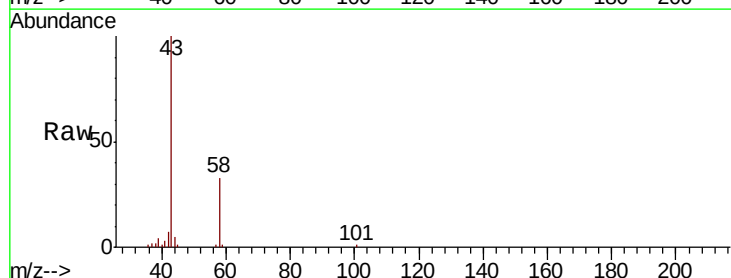
Acq: 18 Aug 2020 19:29

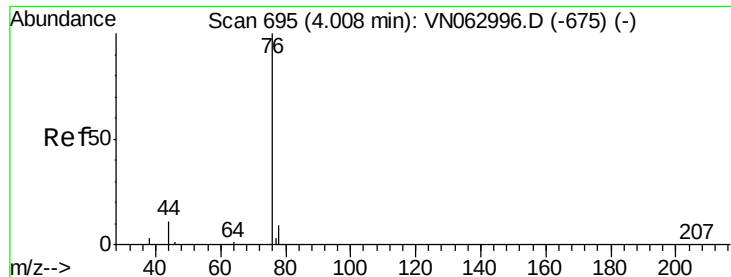
Tgt Ion: 43 Resp: 65957

Ion Ratio Lower Upper

43 100

58 33.0 27.8 41.6

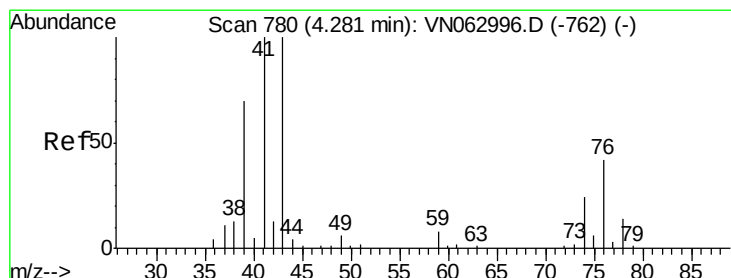
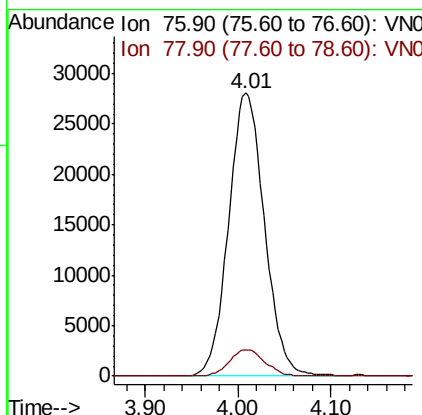
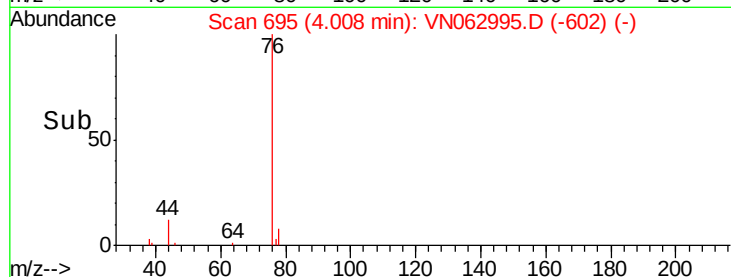
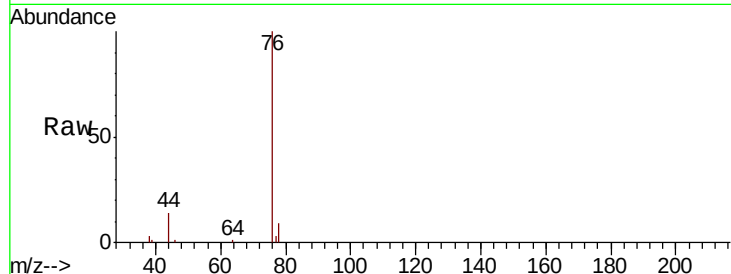




#17
Carbon Disulfide
Concen: 17.473 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

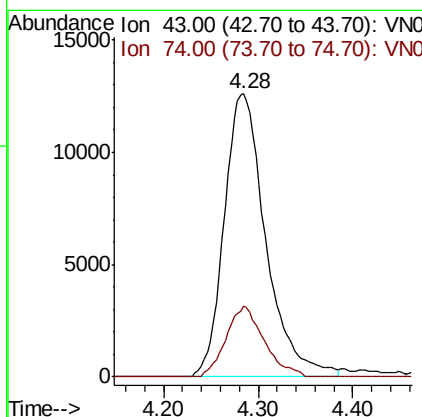
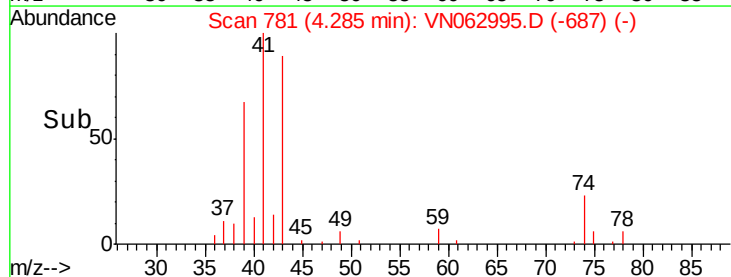
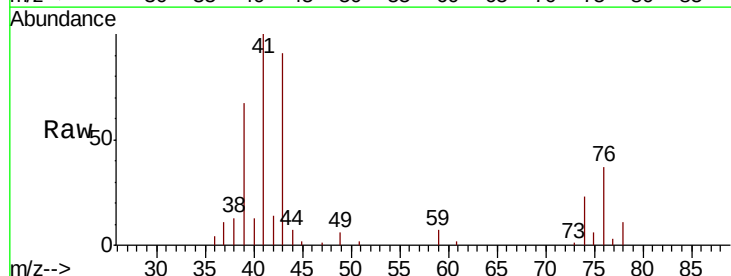
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

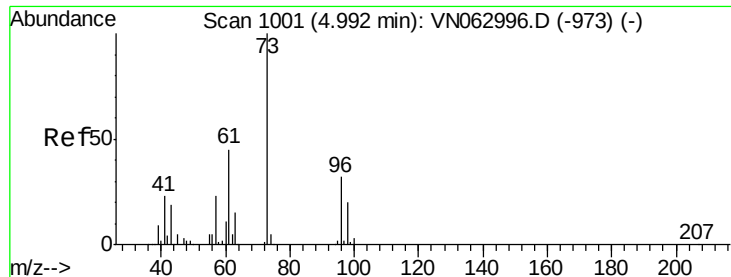
Tot Ion: 76 Resp: 75285
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 16.881 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 43 Resp: 38535
Ion Ratio Lower Upper
43 100
74 22.7 18.6 28.0

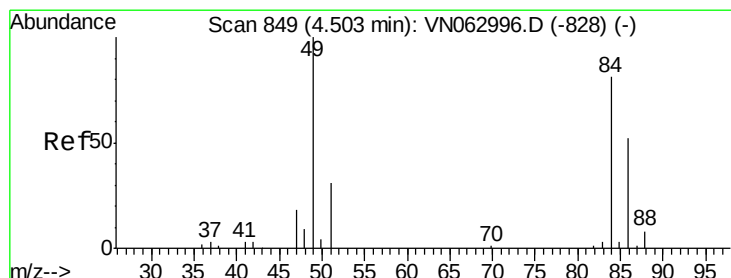
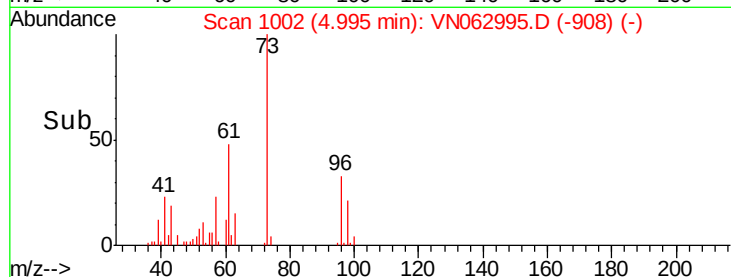
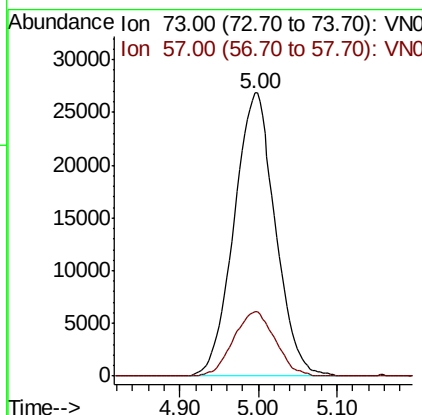
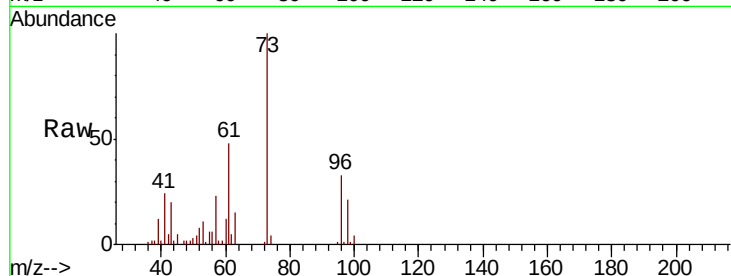




#19
Methyl tert-butyl Ether
Concen: 17.207 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

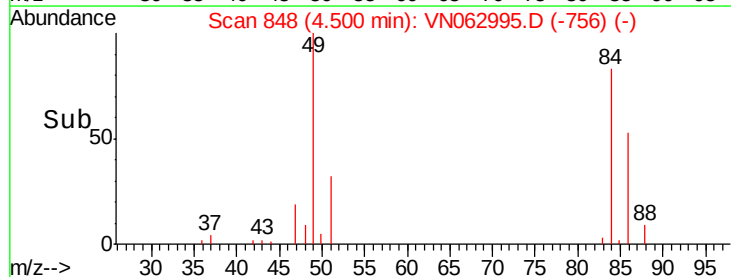
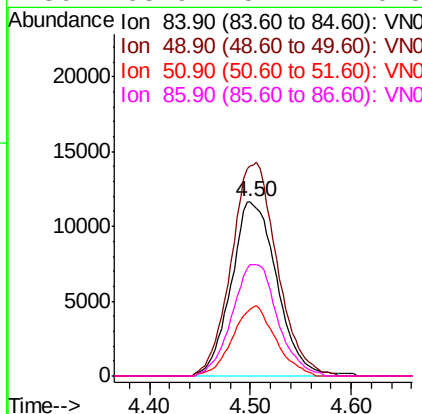
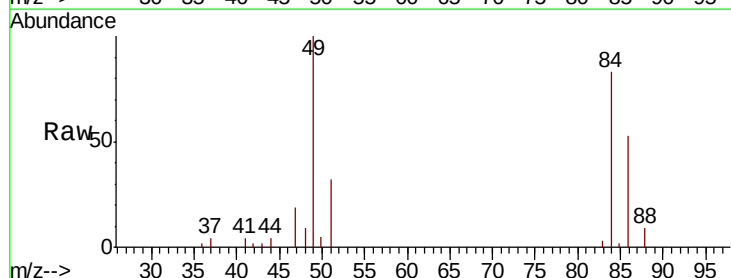
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

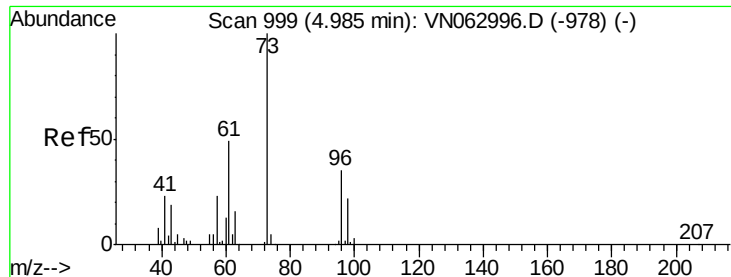
Tot Ion: 73 Resp: 98724
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1



#20
Methylene Chloride
Concen: 14.175 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 84 Resp: 36559
Ion Ratio Lower Upper
84 100
49 120.5 98.7 148.1
51 38.0 30.8 46.2
86 63.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 17.179 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

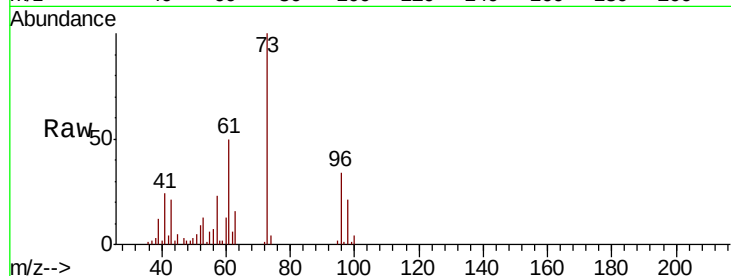
Tot Ion: 96 Resp: 29577

Ion Ratio Lower Upper

96 100

61 143.6 112.5 168.7

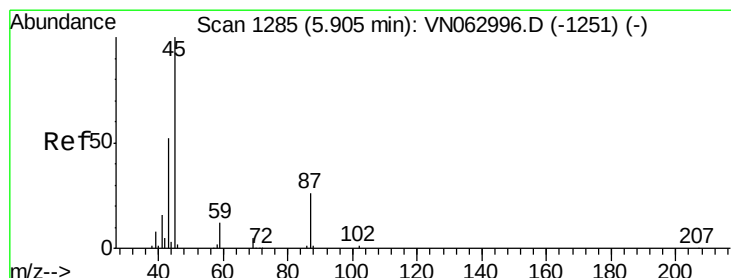
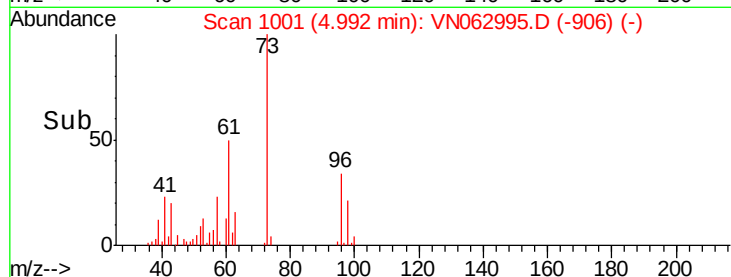
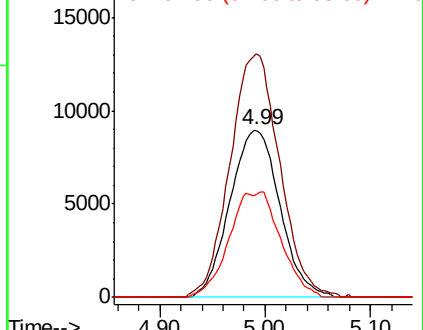
98 61.4 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062995.D (-1000) (-)

Ion 60.90 (60.60 to 61.60): VN062995.D (-1000) (-)

Ion 97.90 (97.60 to 98.60): VN062995.D (-1000) (-)



#22

Diisopropyl ether

Concen: 18.097 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion: 45 Resp: 119126

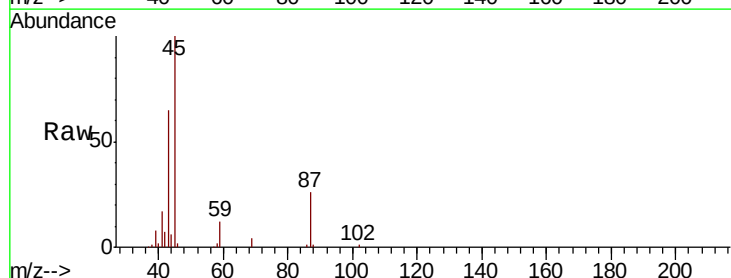
Ion Ratio Lower Upper

45 100

43 63.0 45.7 68.5

87 26.1 21.8 32.6

59 12.0 9.3 13.9

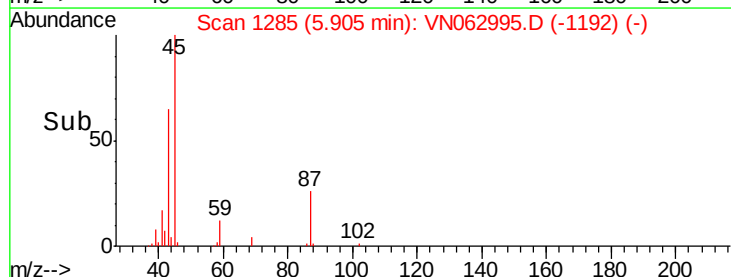
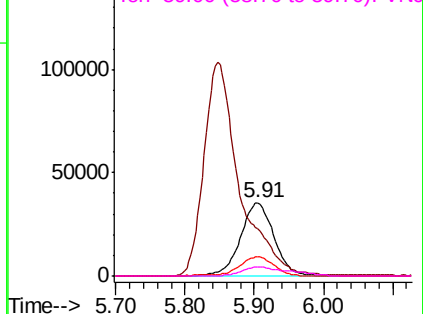


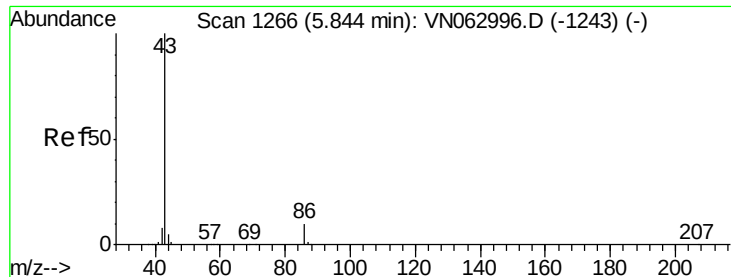
Abundance Ion 45.00 (44.70 to 45.70): VN062995.D (-1192) (-)

Ion 43.00 (42.70 to 43.70): VN062995.D (-1192) (-)

Ion 87.00 (86.70 to 87.70): VN062995.D (-1192) (-)

Ion 59.00 (58.70 to 59.70): VN062995.D (-1192) (-)





#23

Vinyl Acetate

Concen: 82.955 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

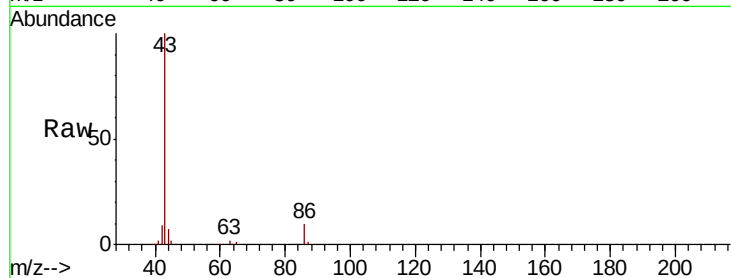
VSTDIC020

Tot Ion: 43 Resp: 368486

Ion Ratio Lower Upper

43 100

86 10.3 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN062995.D (-1267) (-)

Ion 86.00 (85.70 to 86.70): VN062995.D (-1267) (-)

5.85

120000

100000

80000

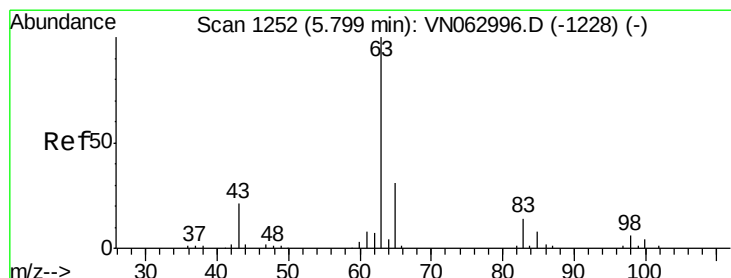
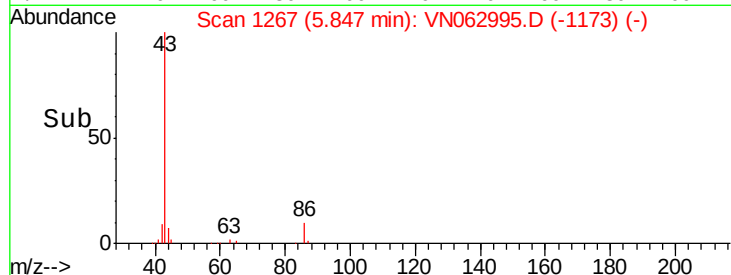
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.490 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

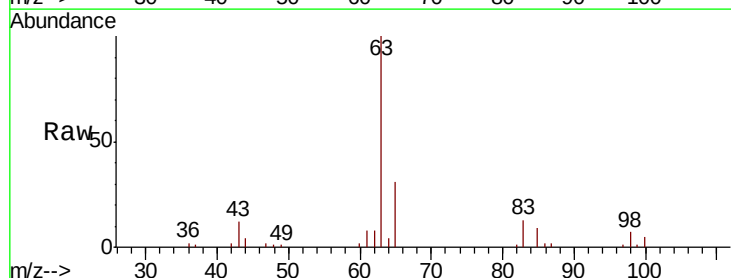
Tgt Ion: 63 Resp: 64334

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062995.D (-1252) (-)

Ion 97.90 (97.60 to 98.60): VN062995.D (-1252) (-)

Ion 99.90 (99.60 to 100.60): VN062995.D (-1252) (-)

25000

20000

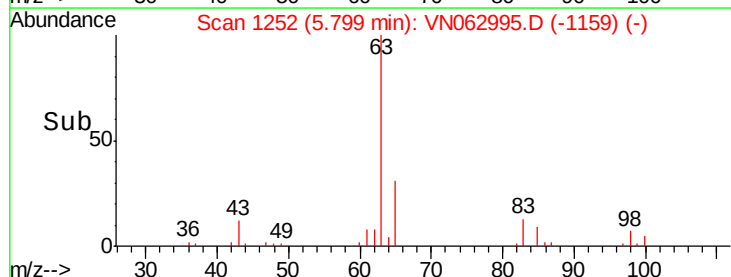
15000

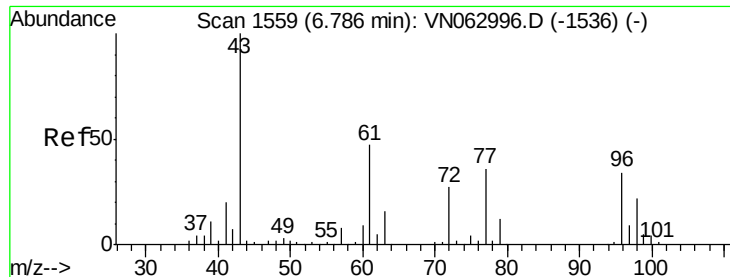
10000

5000

0

Time-->





#25

2-Butanone

Concen: 86.123 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

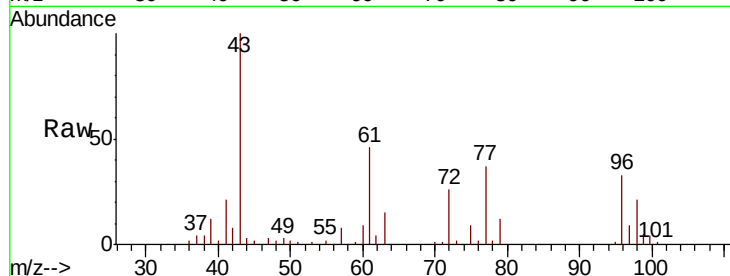
VSTDIC020

Tot Ion: 43 Resp: 105029

Ion Ratio Lower Upper

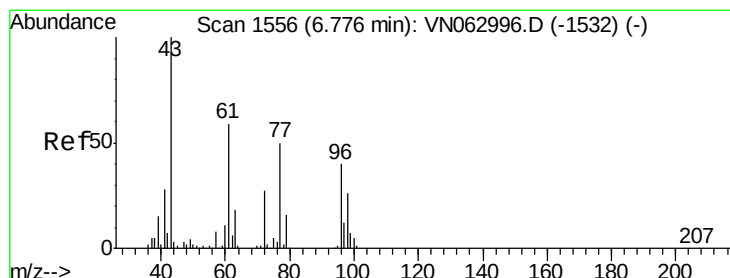
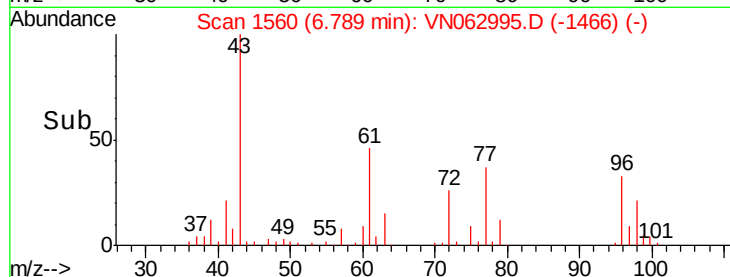
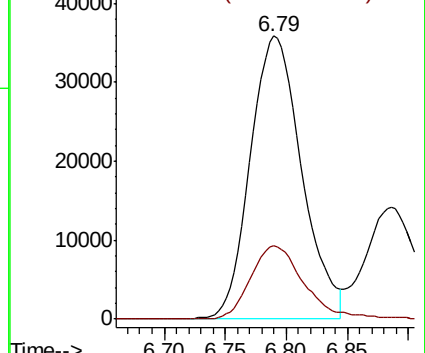
43 100

72 25.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.486 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062995.D

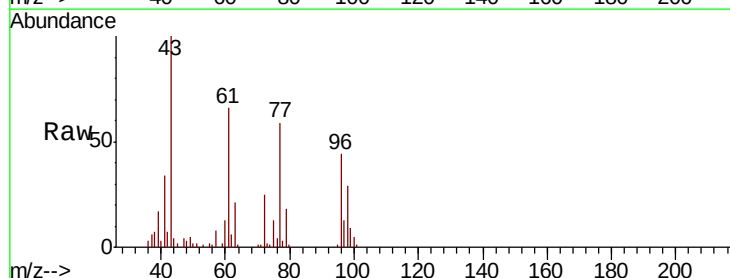
Acq: 18 Aug 2020 19:29

Tgt Ion: 77 Resp: 50584

Ion Ratio Lower Upper

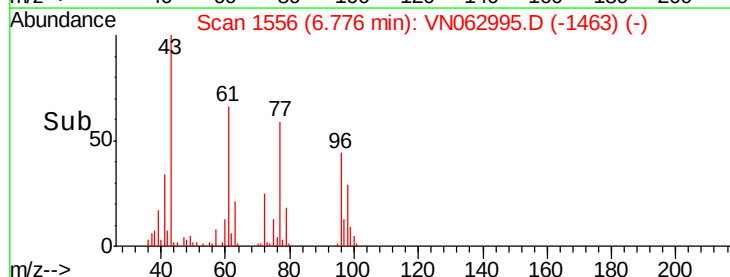
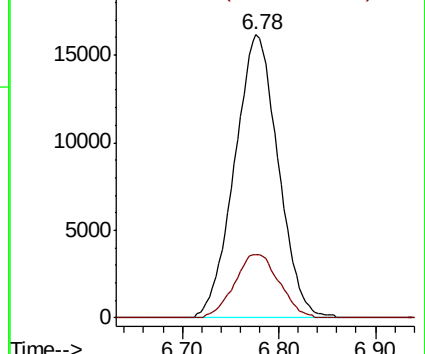
77 100

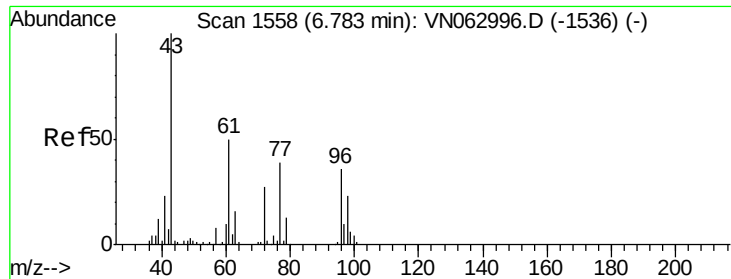
97 23.0 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

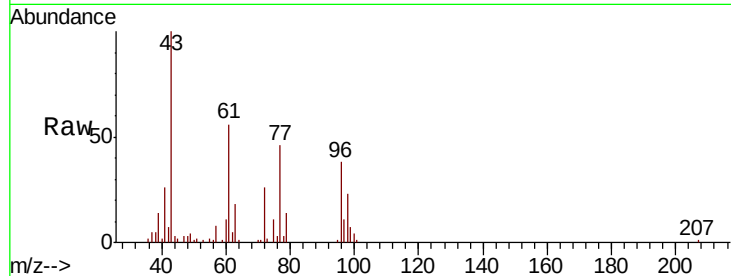




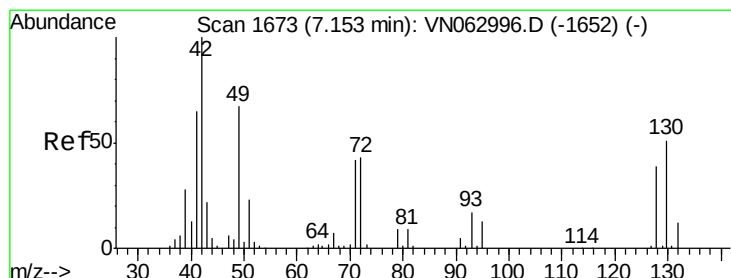
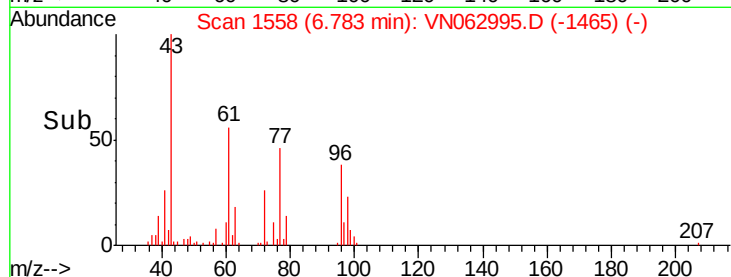
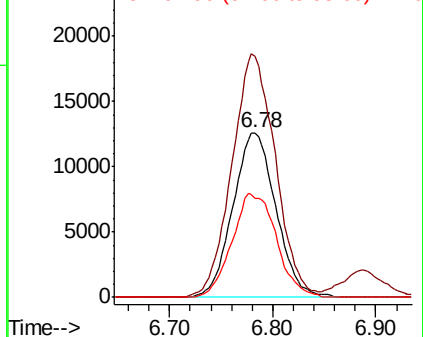
#27
 cis-1,2-Dichloroethene
 Concen: 16.933 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 36542
 Ion Ratio Lower Upper
 96 100
 61 149.3 0.0 292.8
 98 65.0 0.0 130.6

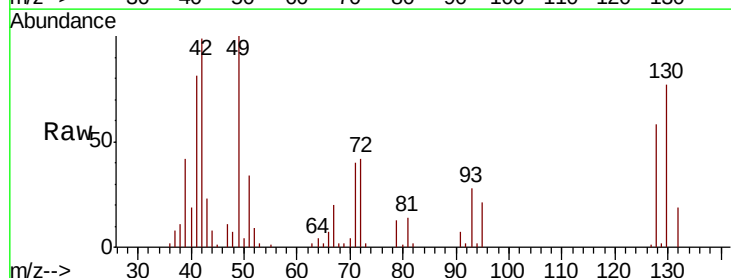


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

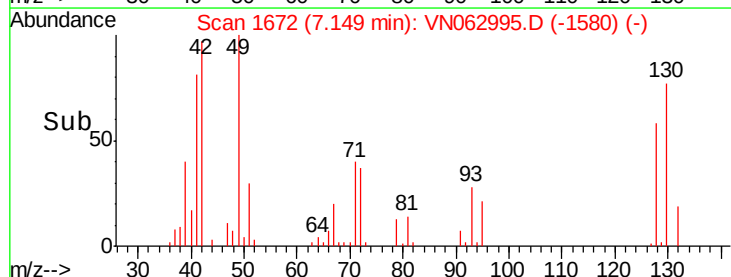
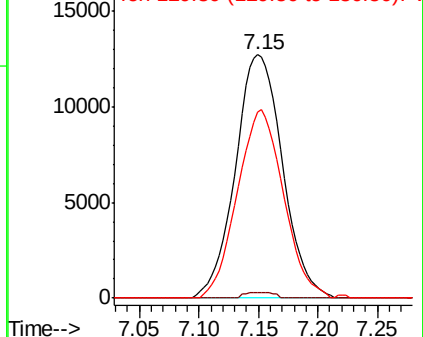


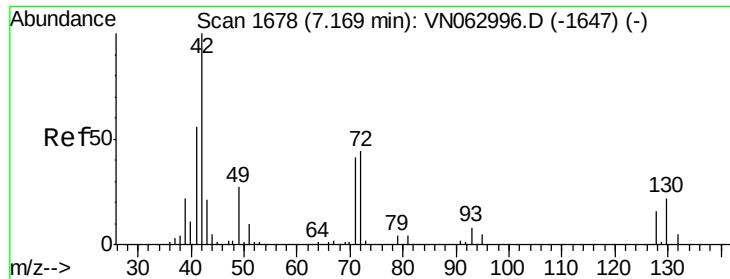
#28
 Bromochloromethane
 Concen: 18.172 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 49 Resp: 34974
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.6
 130 75.6 61.1 91.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

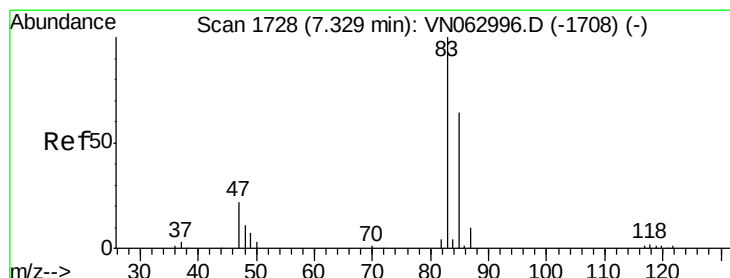
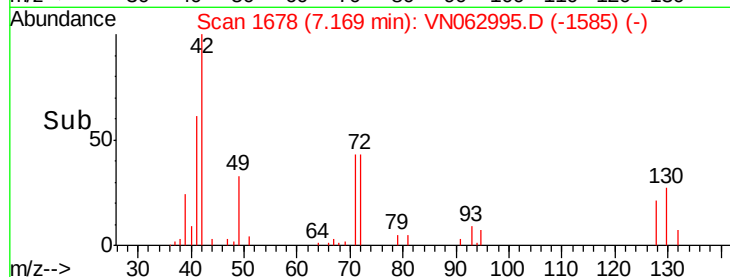
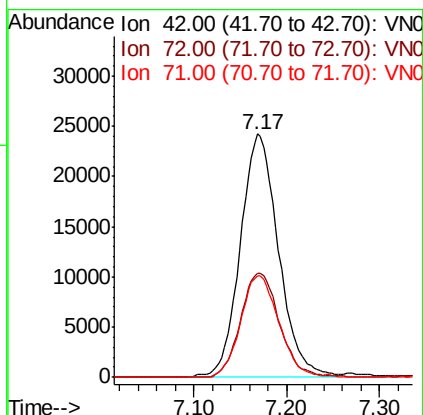
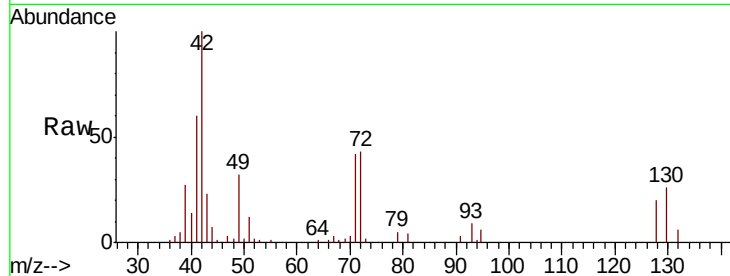




#29
Tetrahydrofuran
Concen: 88.157 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

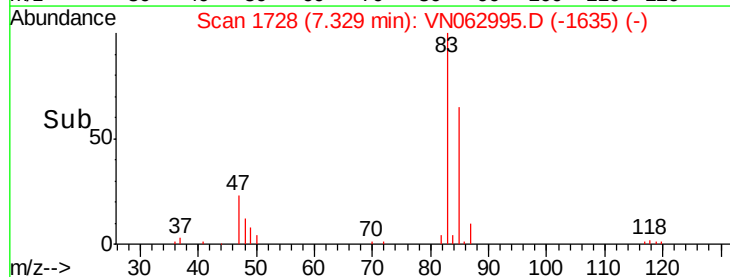
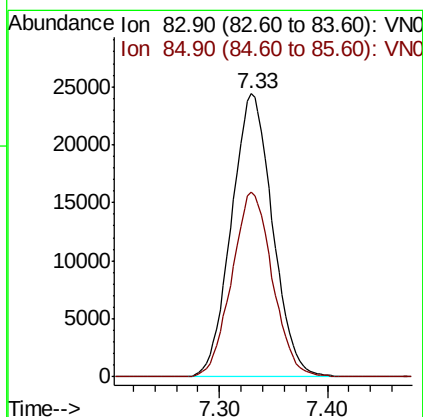
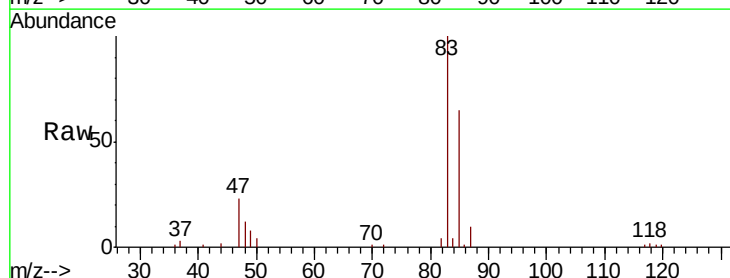
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

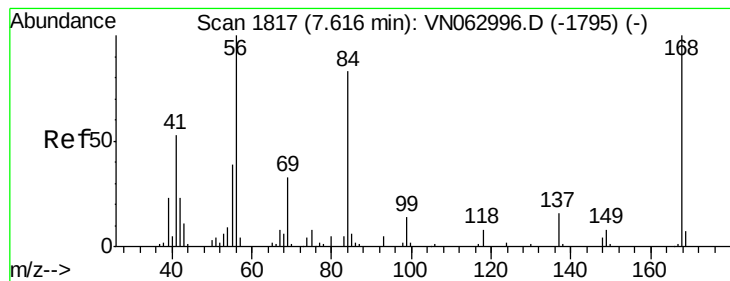
Tot Ion: 42 Resp: 69386
Ion Ratio Lower Upper
42 100
72 43.7 34.6 52.0
71 41.7 32.3 48.5



#30
Chloroform
Concen: 17.399 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 83 Resp: 64455
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3





#31

Cyclohexane

Concen: 17.414 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

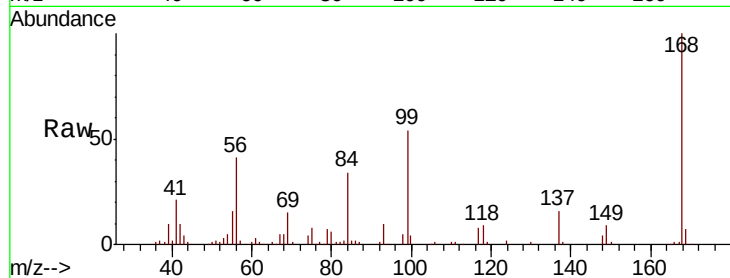
Tot Ion: 56 Resp: 58956

Ion Ratio Lower Upper

56 100

69 35.3 26.6 40.0

84 82.2 66.4 99.6

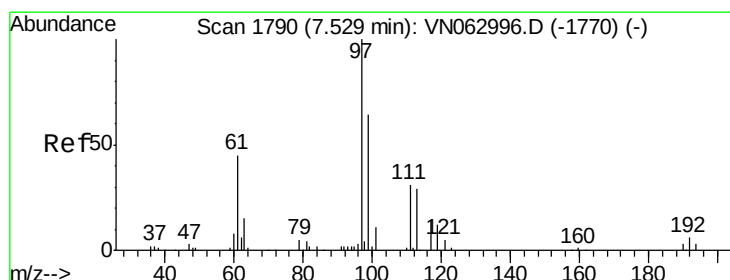
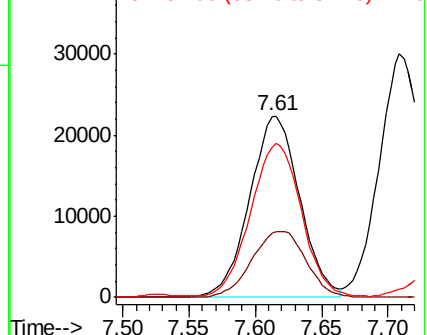
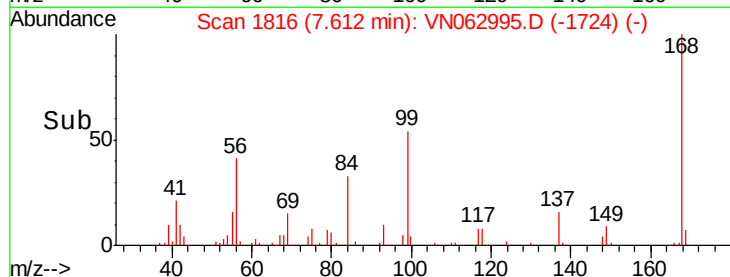


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.512 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

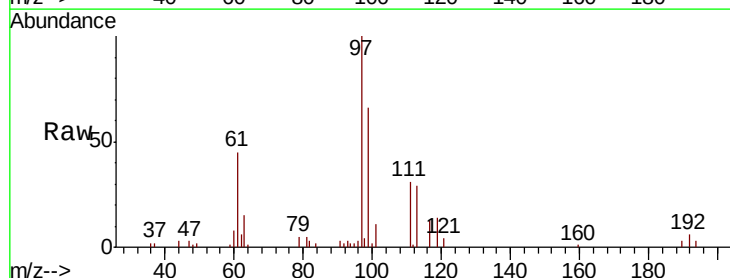
Tgt Ion: 97 Resp: 52964

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 45.1 36.2 54.4

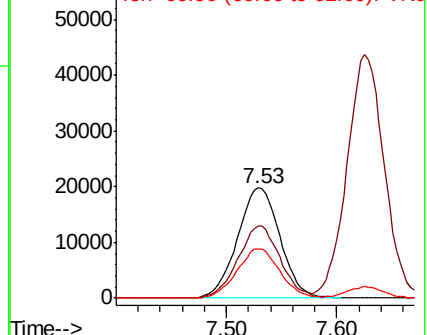
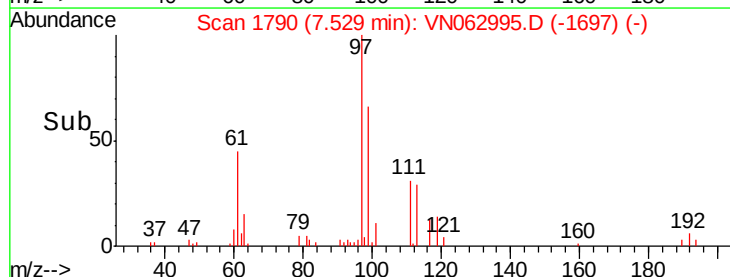


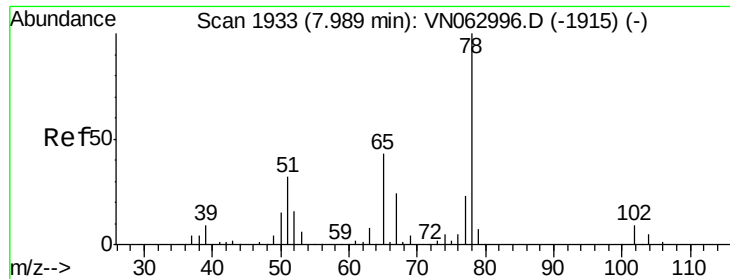
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

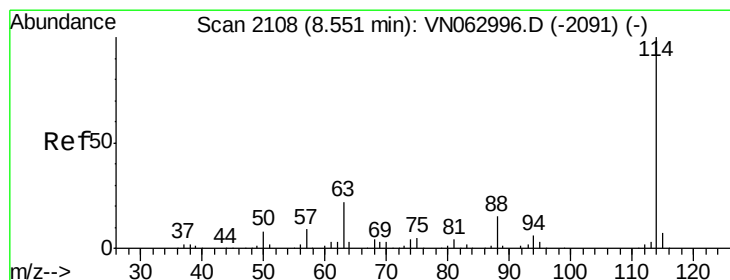
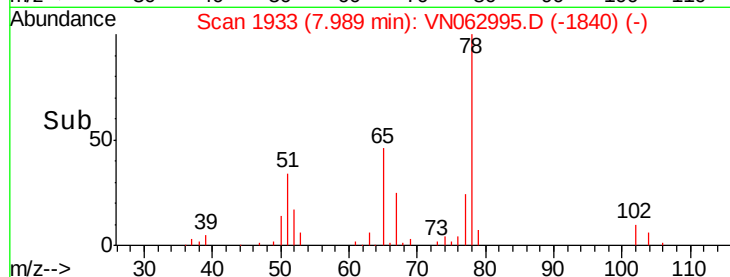
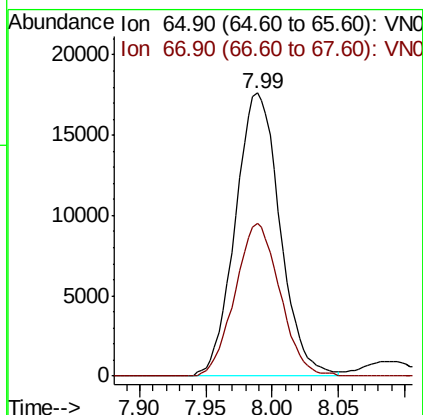
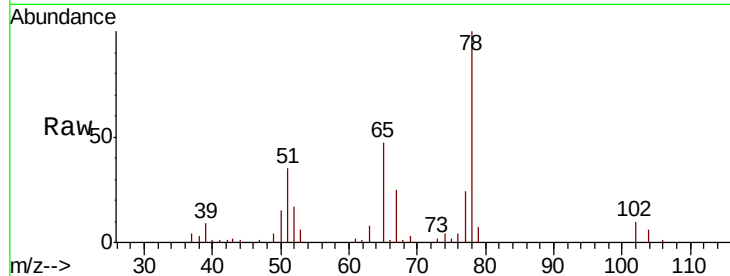




#33
 1,2-Dichloroethane-d4
 Concen: 17.975 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

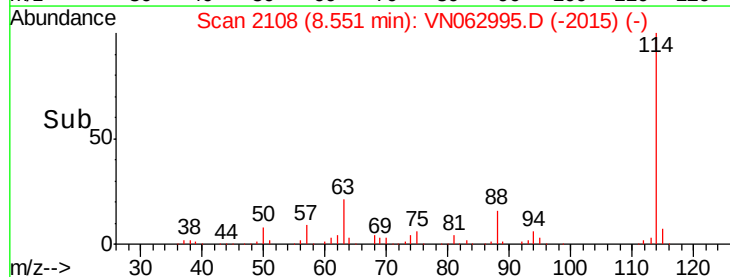
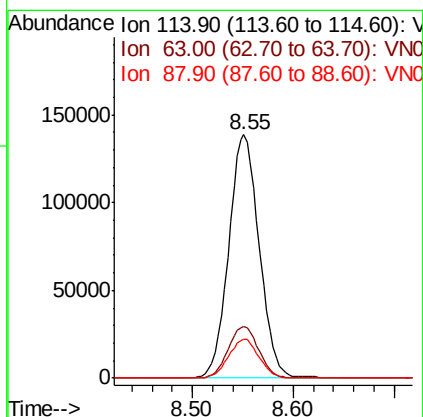
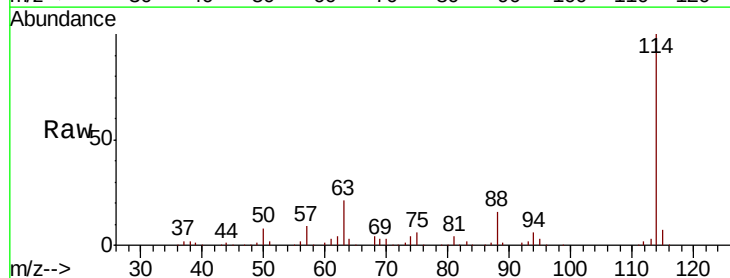
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

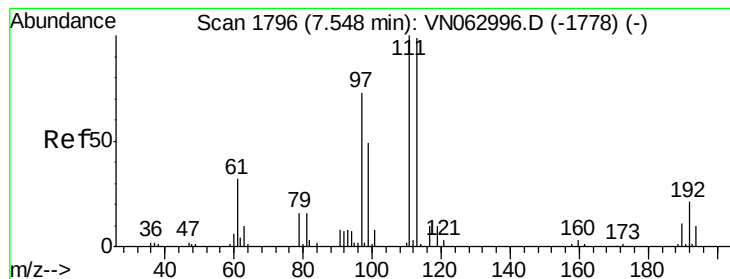
Tot Ion: 65 Resp: 41290
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 114 Resp: 291510
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 18.063 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

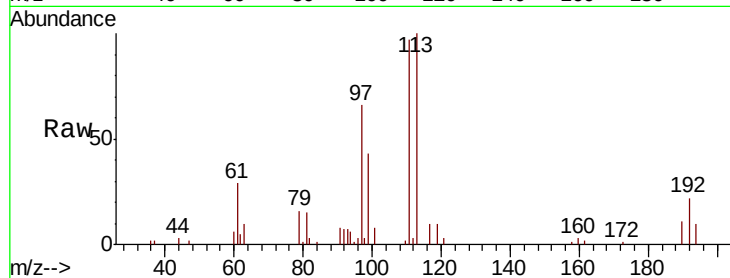
Tot Ion:113 Resp: 34311

Ion Ratio Lower Upper

113 100

111 100.4 81.7 122.5

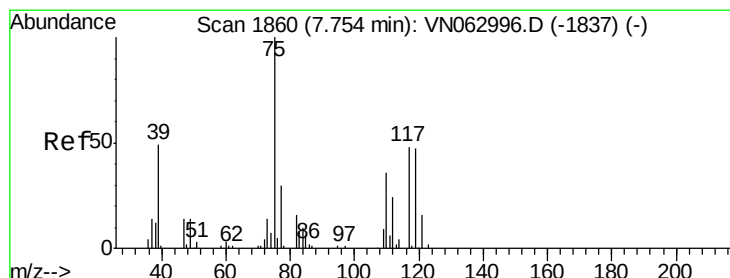
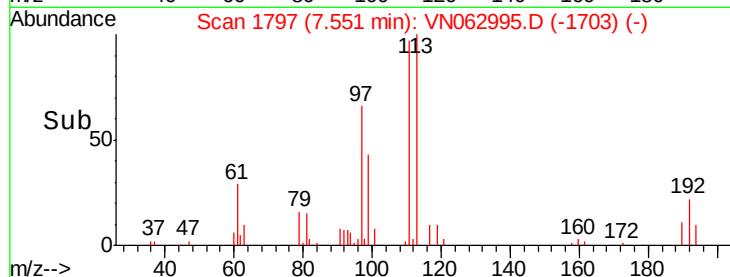
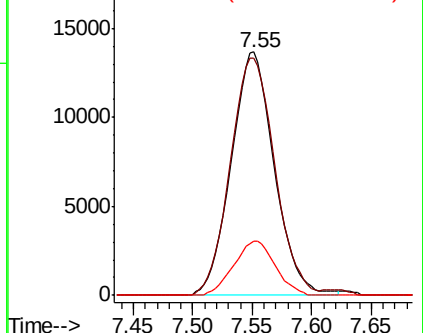
192 21.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 16.698 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

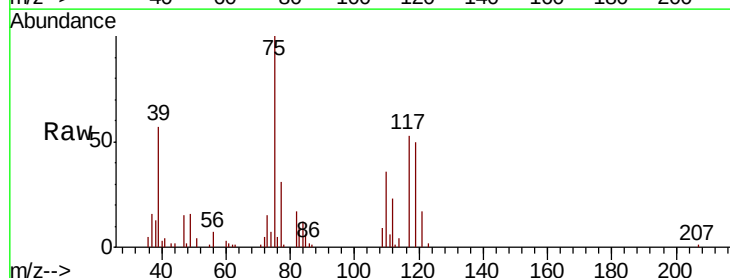
Tgt Ion: 75 Resp: 42897

Ion Ratio Lower Upper

75 100

110 35.5 17.5 52.6

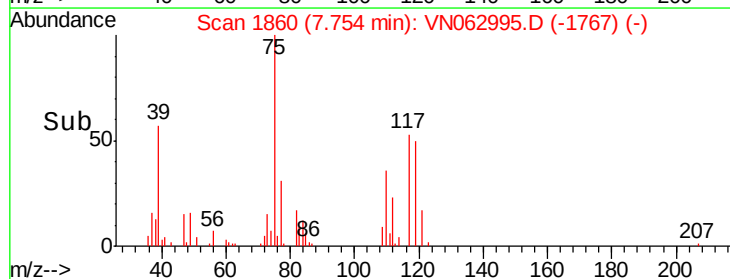
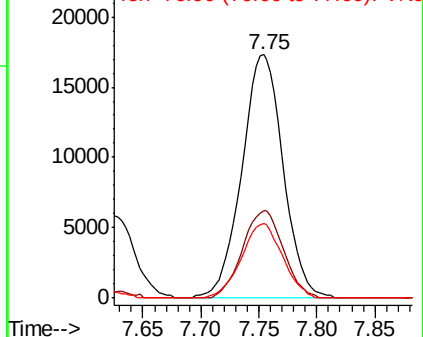
77 30.6 24.2 36.4

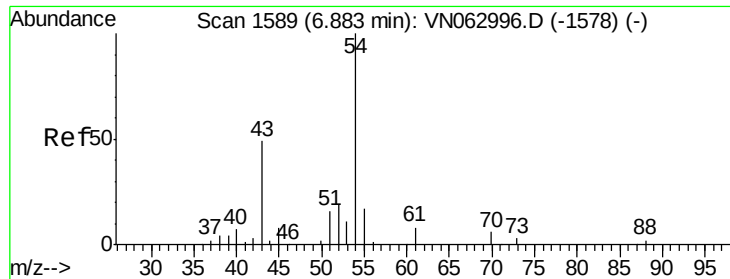


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

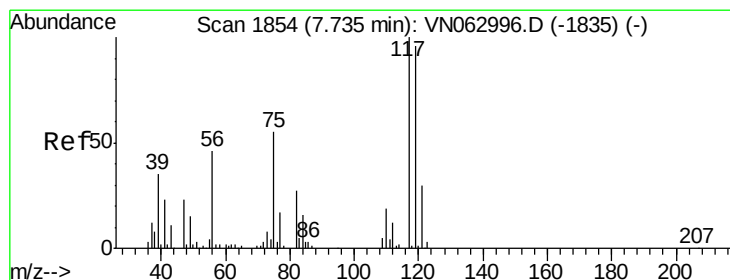
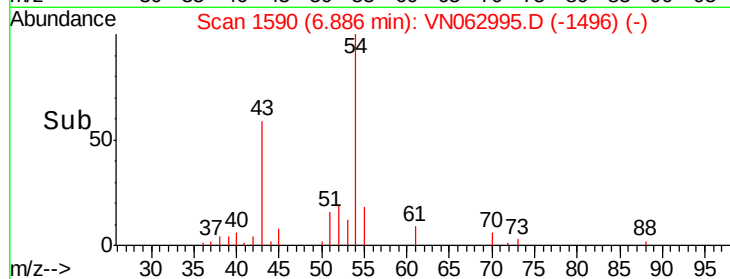
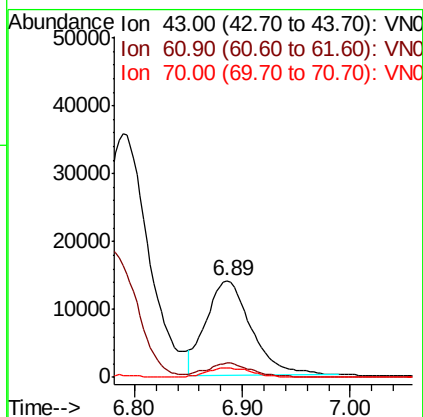
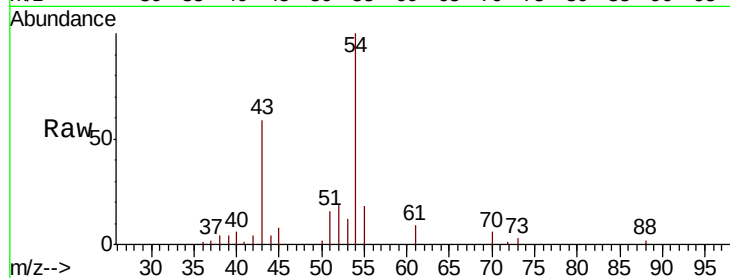




#37
Ethyl Acetate
Concen: 17.079 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

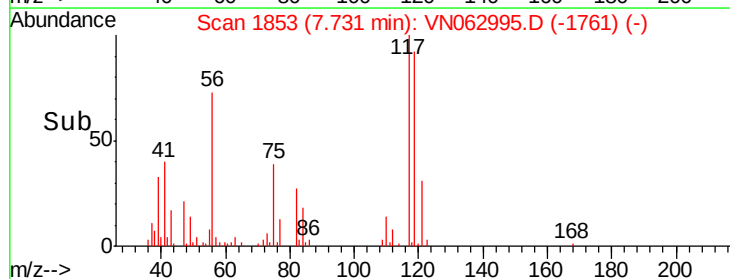
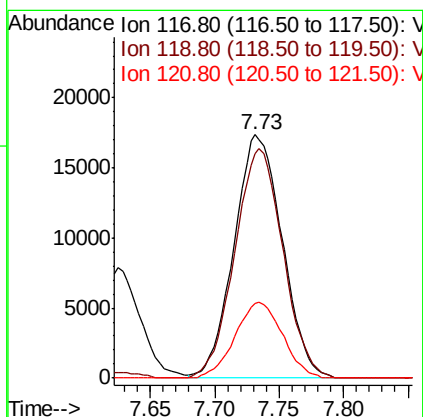
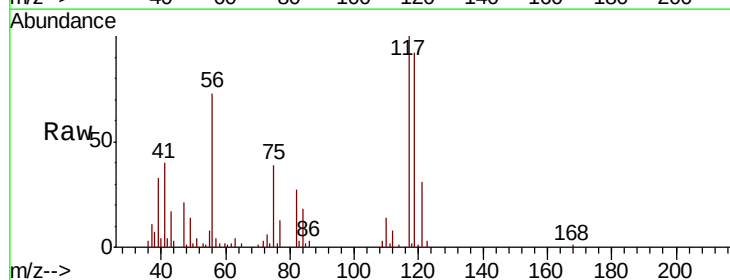
Instrument :
MSVOA_N
ClientSampleID :
VSTDIC020

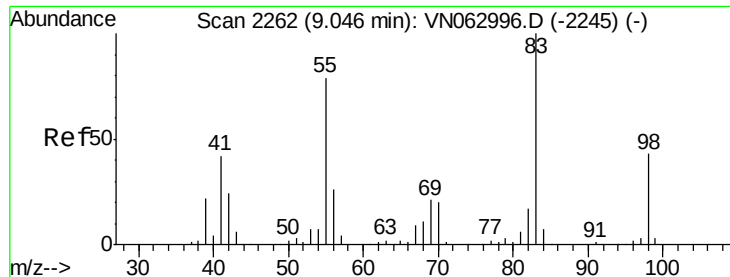
Tot Ion: 43 Resp: 41214
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 17.426 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 117 Resp: 45196
Ion Ratio Lower Upper
117 100
119 92.0 76.2 114.4
121 30.9 24.2 36.2

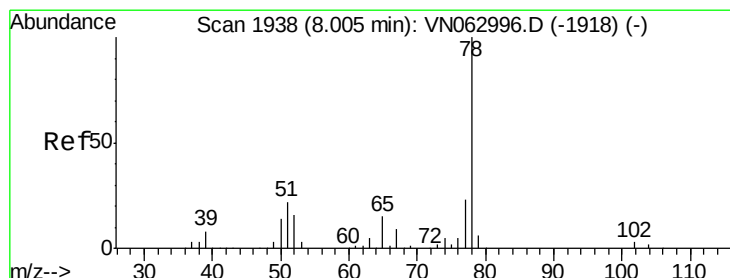
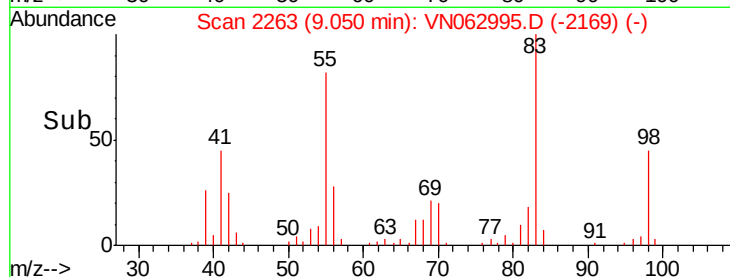
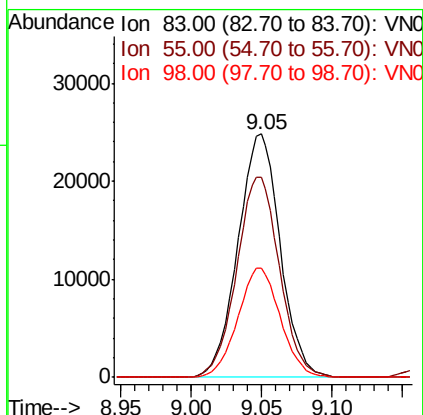
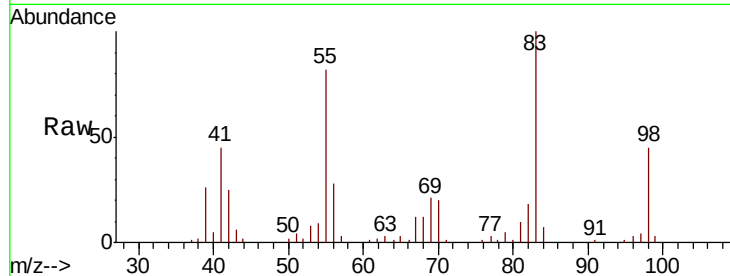




#39
Methylvlcyclohexane
Concen: 17.115 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

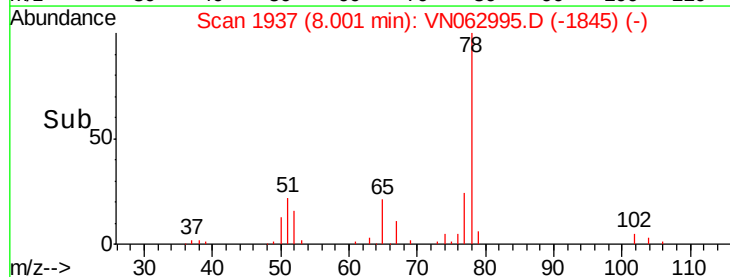
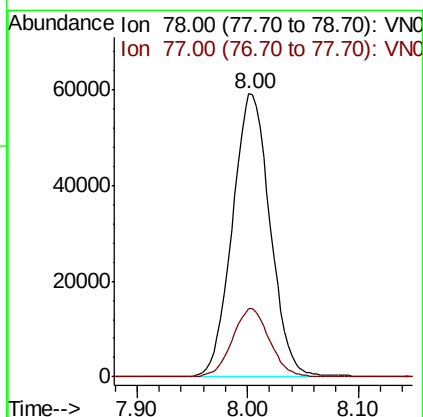
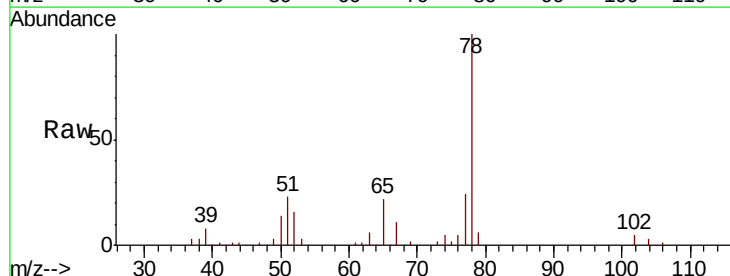
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

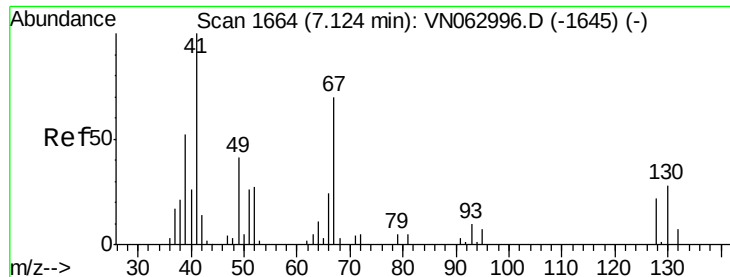
Tot Ion: 83 Resp: 51954
Ion Ratio Lower Upper
83 100
55 82.2 63.3 94.9
98 44.8 34.2 51.4



#40
Benzene
Concen: 17.197 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 78 Resp: 140121
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

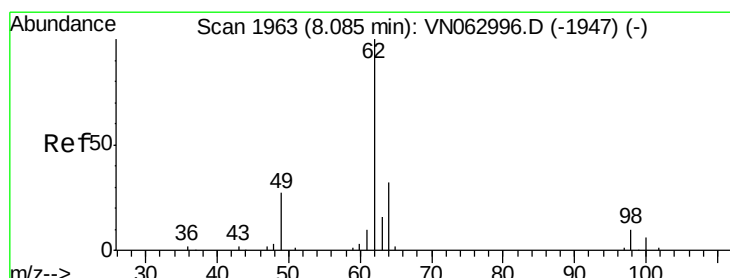
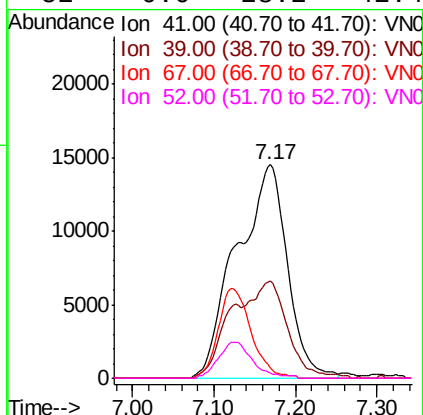
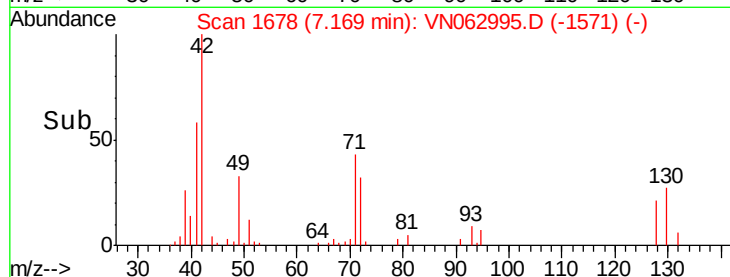
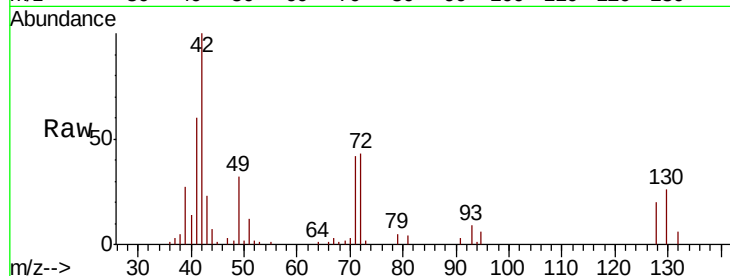




#41
Methacrylonitrile
Concen: 54.865 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

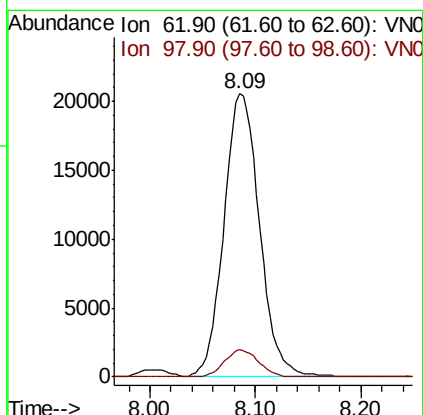
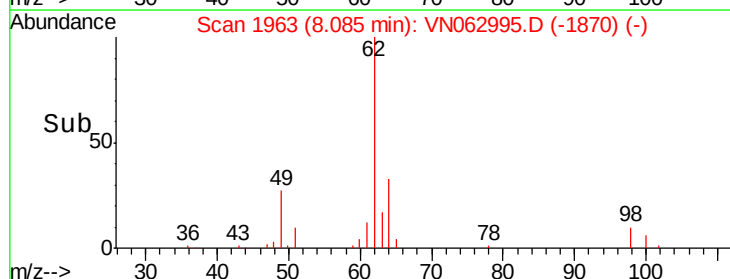
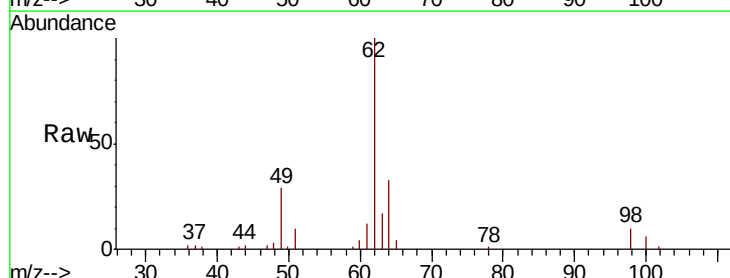
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

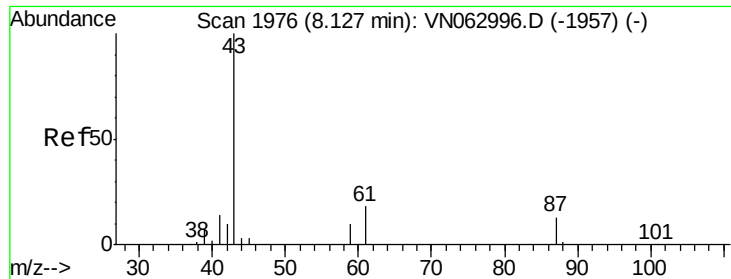
Tot Ion: 41 Resp: 62924
Ion Ratio Lower Upper
41 100
39 0.0 41.6 62.4#
67 0.0 71.8 107.8#
52 0.0 28.2 42.4#



#42
1,2-Dichloroethane
Concen: 17.569 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 62 Resp: 48065
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 16.983 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

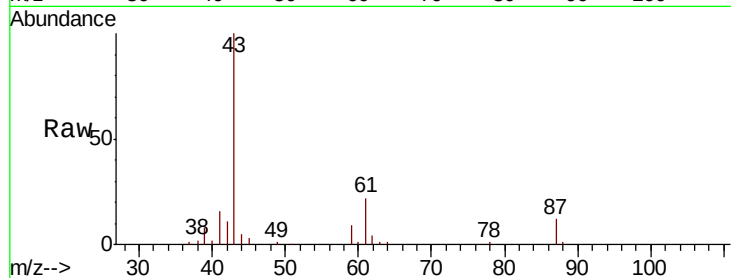
Tot Ion: 43 Resp: 67725

Ion Ratio Lower Upper

43 100

61 28.5 22.6 33.8

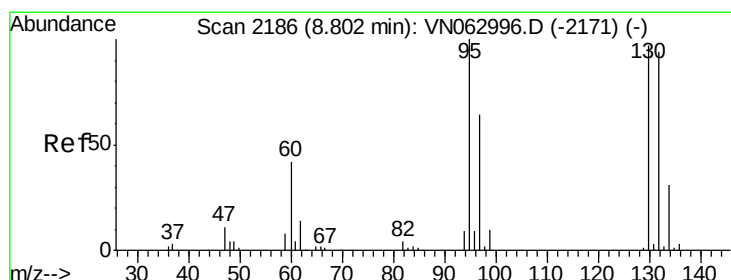
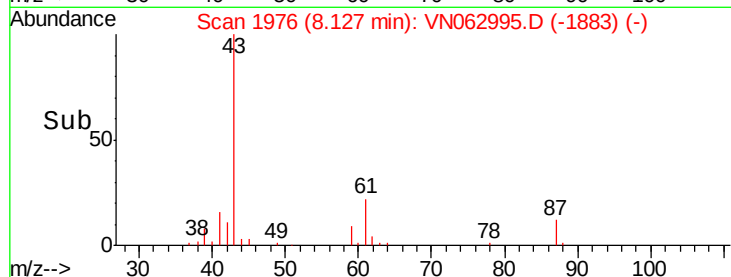
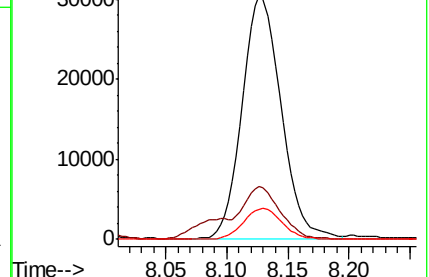
87 12.4 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VN062995.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062995.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062995.D (-1957) (-)



#44

Trichloroethene

Concen: 16.986 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062995.D

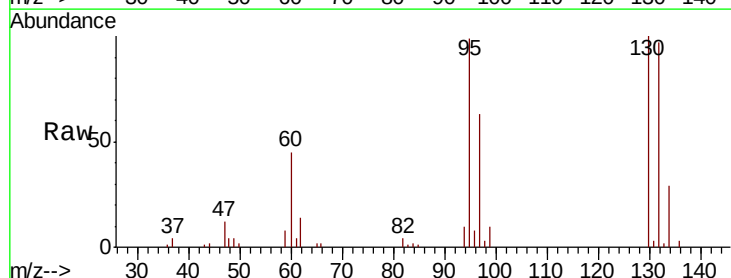
Acq: 18 Aug 2020 19:29

Tgt Ion:130 Resp: 34426

Ion Ratio Lower Upper

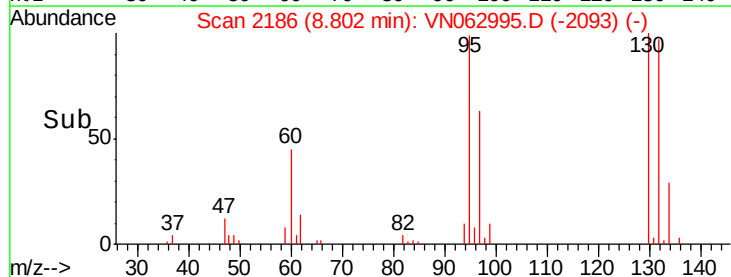
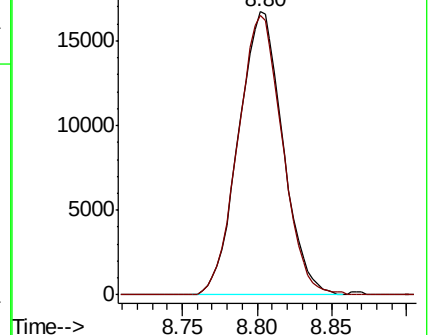
130 100

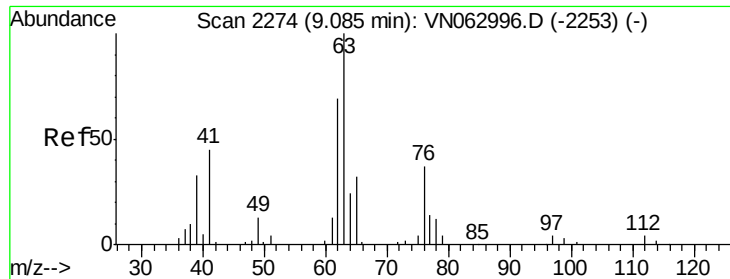
95 98.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN062995.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062995.D (-2171) (-)





#45

1,2-Dichloropropane

Concen: 17.372 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

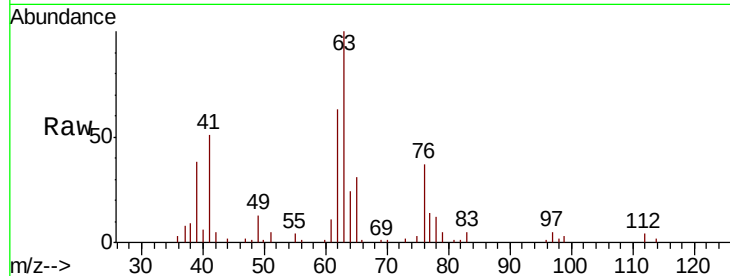
VSTDIC020

Tot Ion: 63 Resp: 40915

Ion Ratio Lower Upper

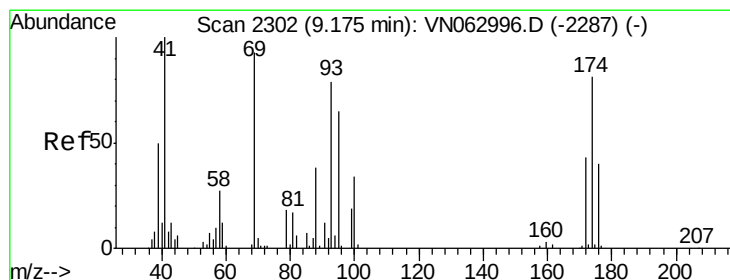
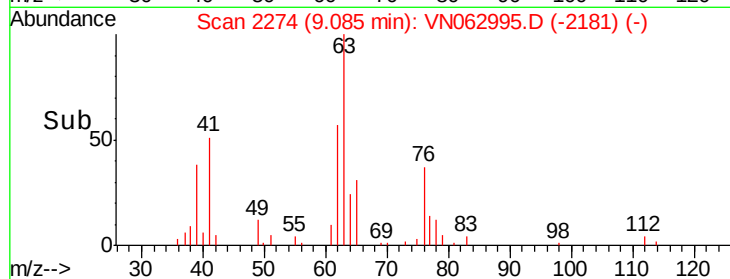
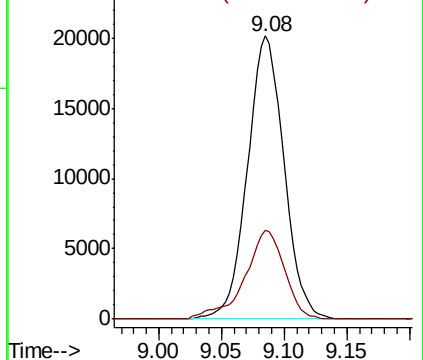
63 100

65 31.5 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.726 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

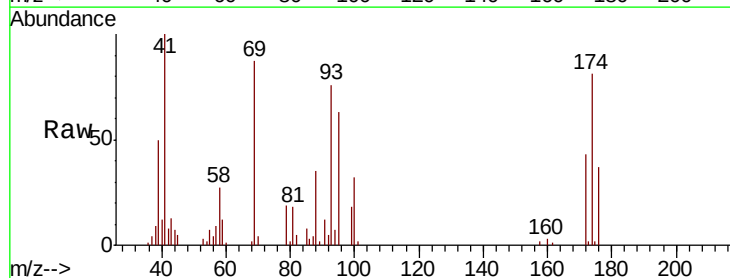
Tgt Ion: 93 Resp: 24118

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

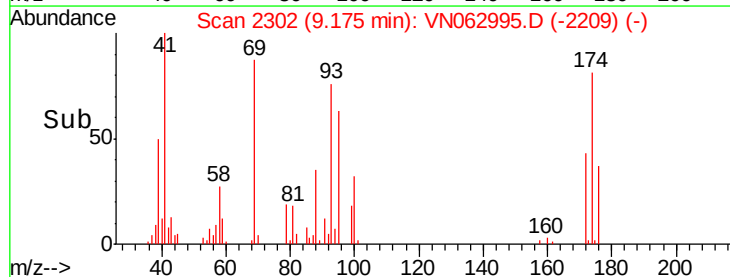
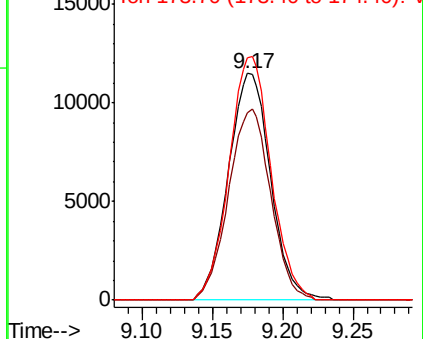
174 106.0 84.6 127.0

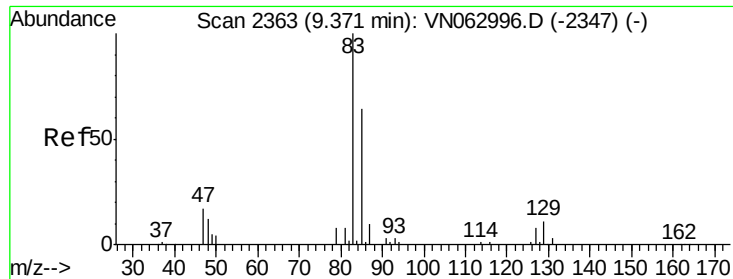


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

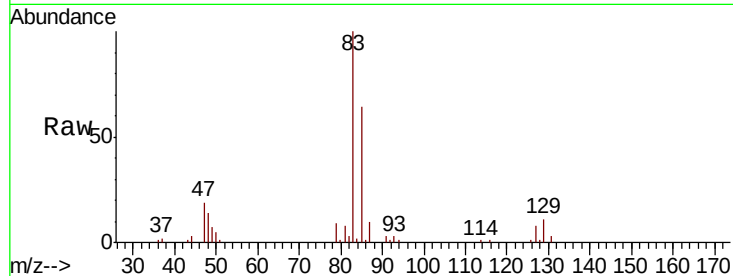




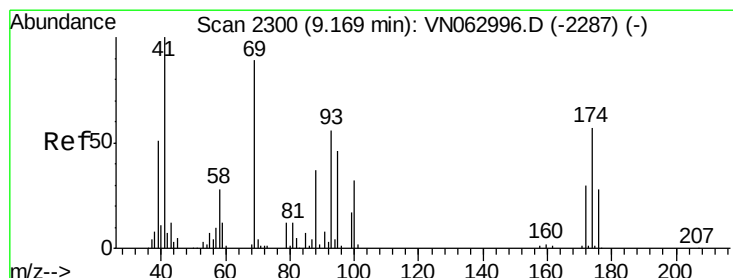
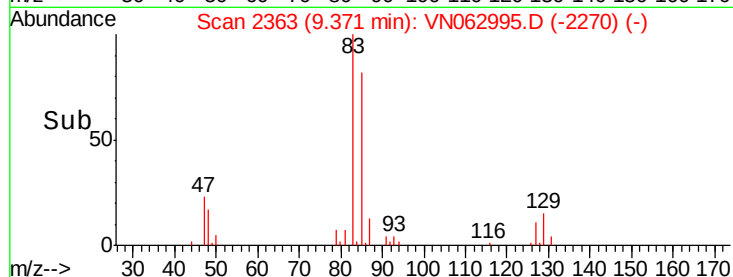
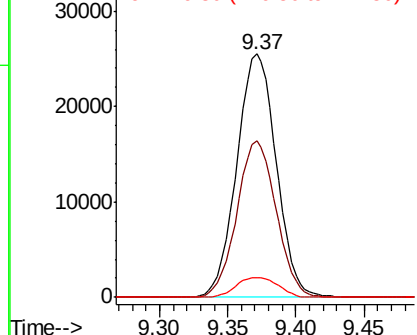
#47
Bromodichloromethane
Concen: 17.211 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 51288
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 8.3 6.6 9.8

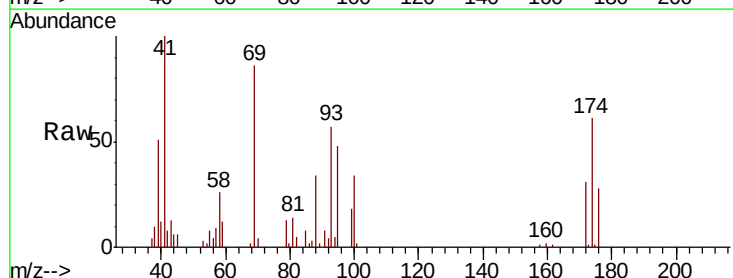


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

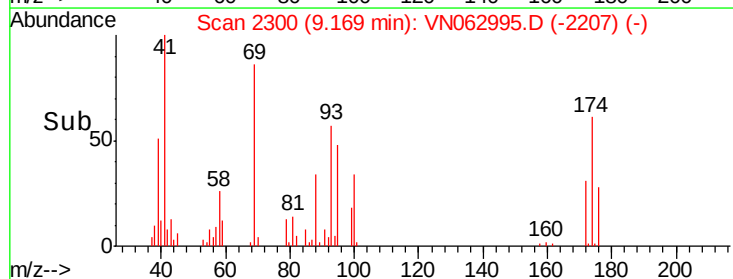
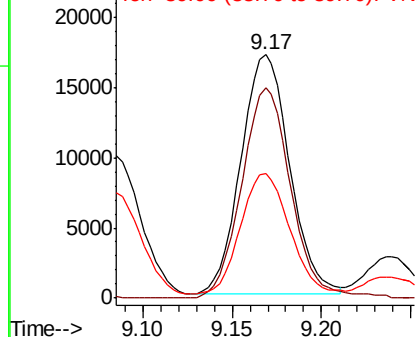


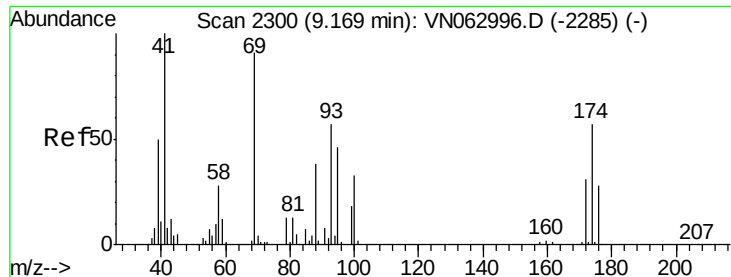
#48
Methyl methacrylate
Concen: 17.303 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 41 Resp: 32649
Ion Ratio Lower Upper
41 100
69 87.6 74.2 111.4
39 55.0 42.5 63.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

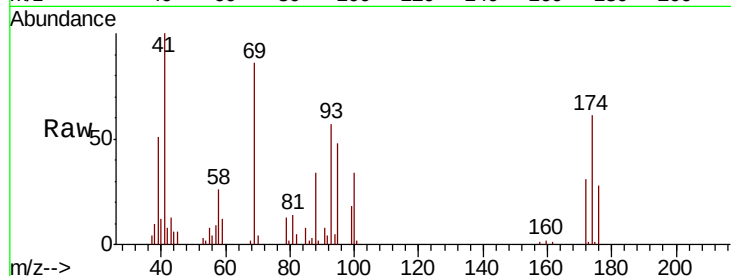




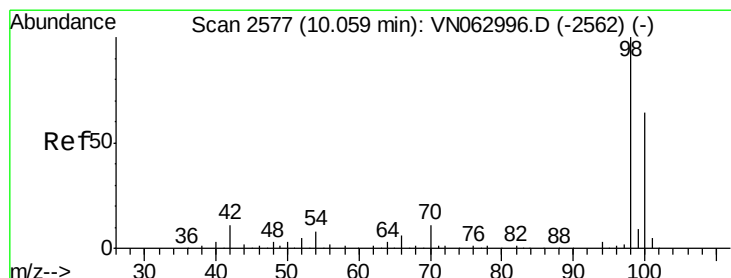
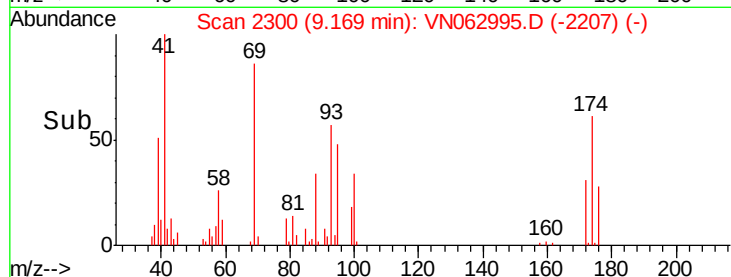
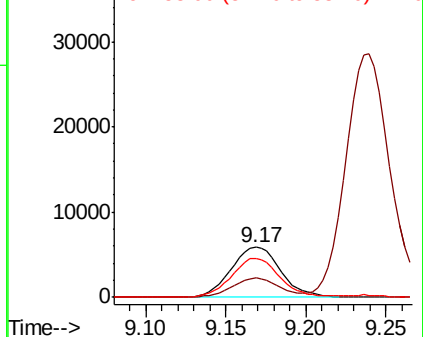
#49
1,4-Dioxane
Concen: 338.038 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 12433
Ion Ratio Lower Upper
88 100
43 36.7 25.2 37.8
58 75.6 56.7 85.1

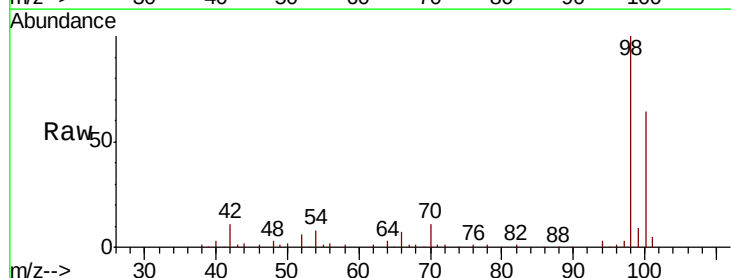


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

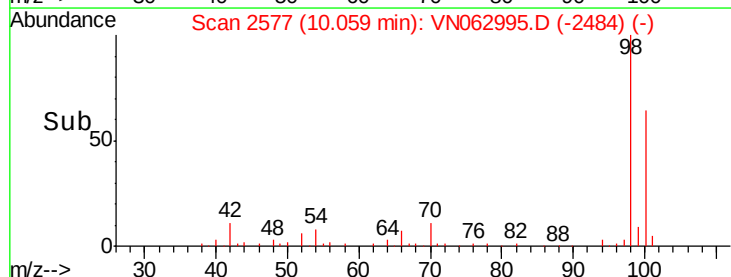
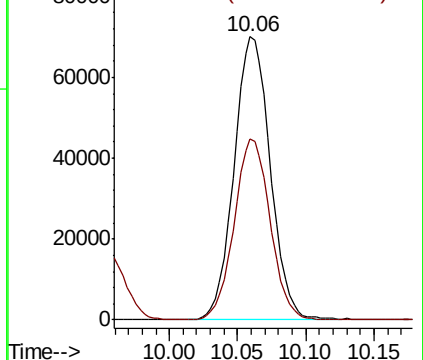


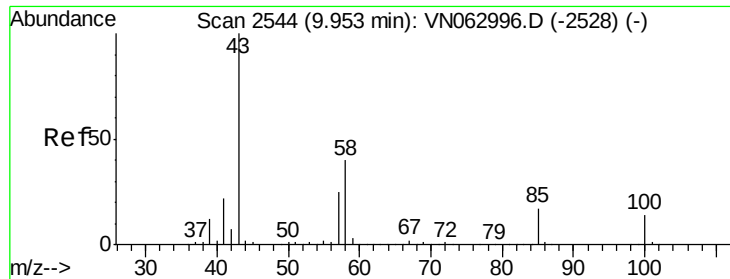
#50
Toluene-d8
Concen: 17.678 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 98 Resp: 128981
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



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: 89.320 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

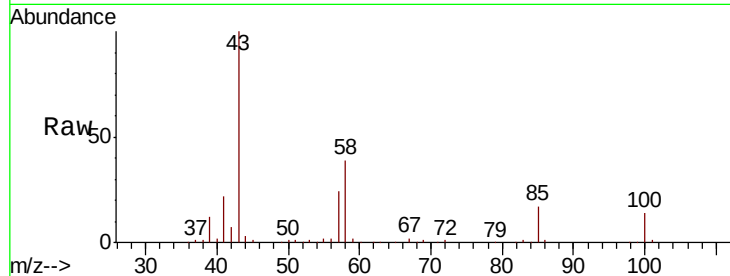
VSTDIC020

Tot Ion: 43 Resp: 225148

Ion Ratio Lower Upper

43 100

58 39.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

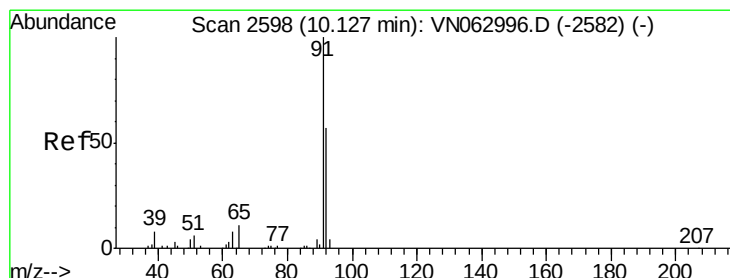
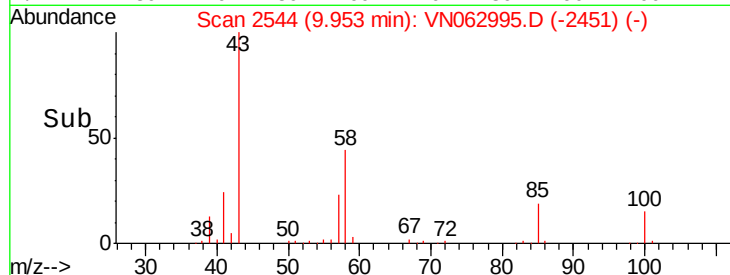
9.95

100000

50000

0

Time-->



#52

Toluene

Concen: 17.490 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062995.D

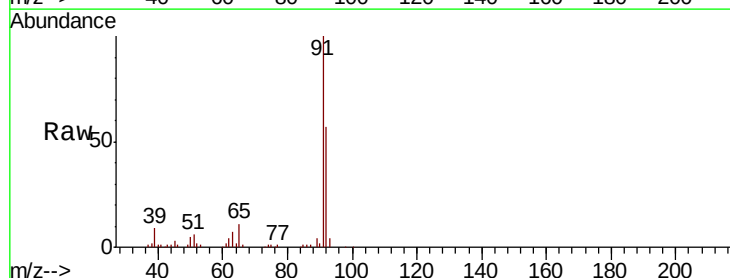
Acq: 18 Aug 2020 19:29

Tgt Ion: 92 Resp: 85966

Ion Ratio Lower Upper

92 100

91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

10.13

80000

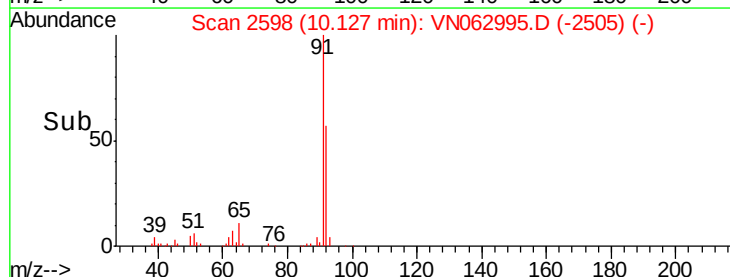
60000

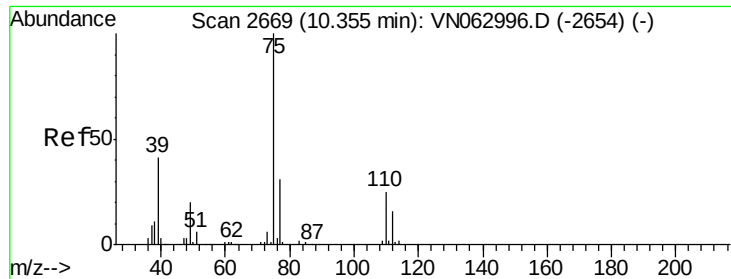
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.165 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

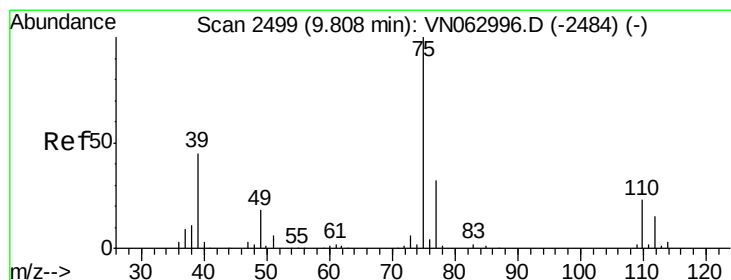
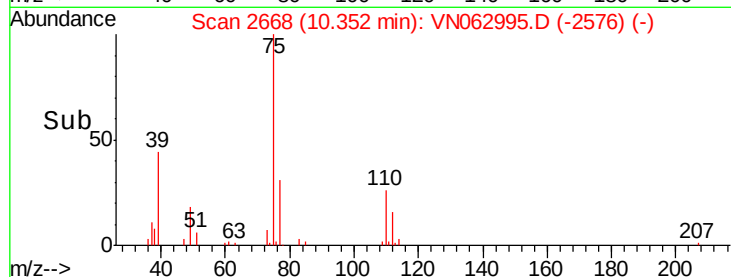
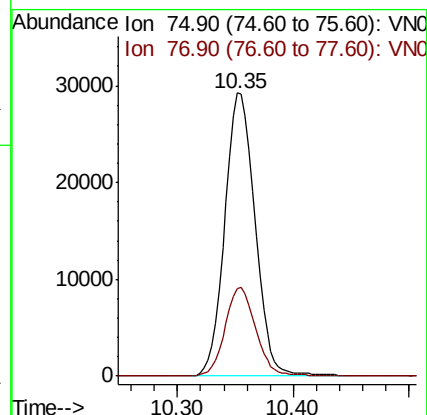
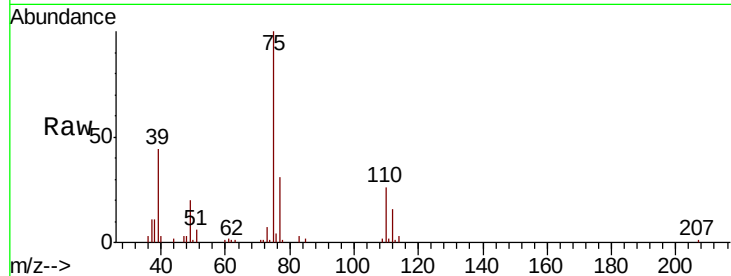
VSTDIC020

Tot Ion: 75 Resp: 52898

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 17.438 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

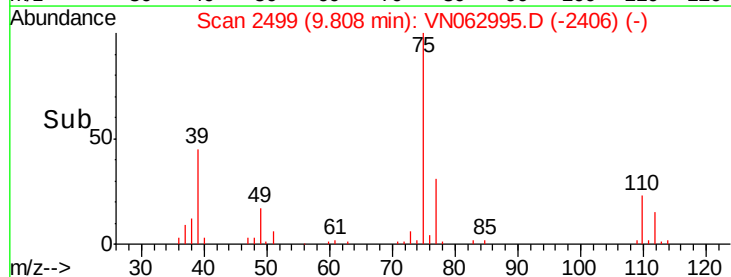
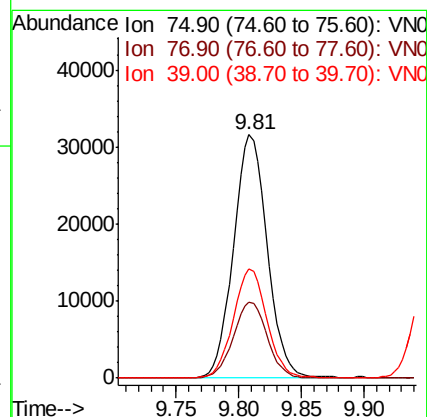
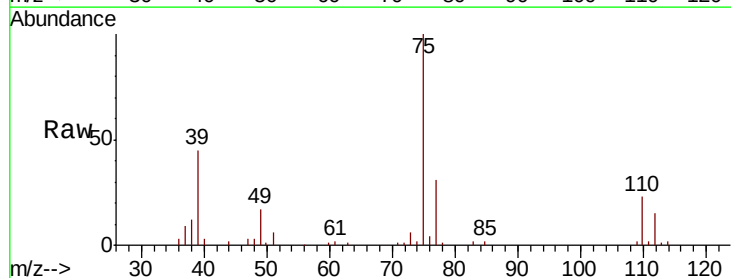
Tgt Ion: 75 Resp: 58951

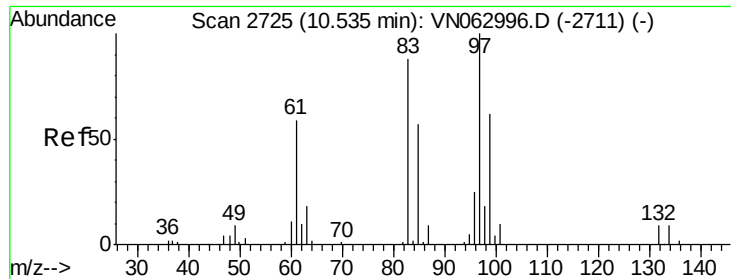
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2

39 44.6 35.7 53.5

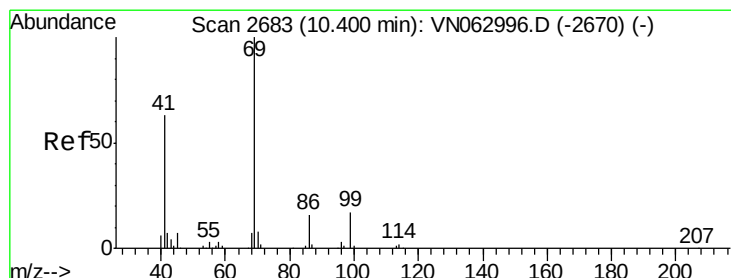
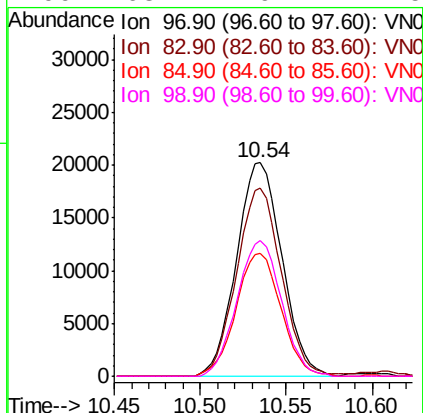
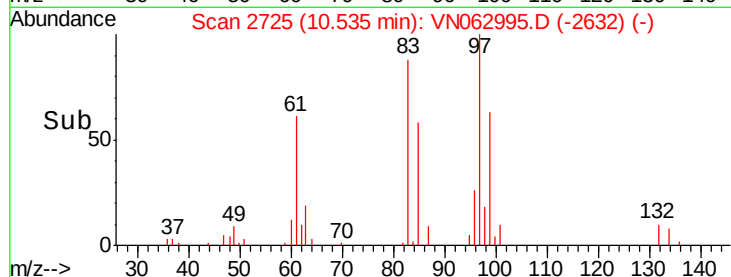
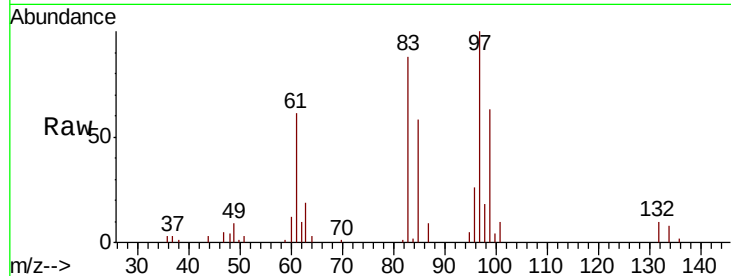




#55
 1,1,2-Trichloroethane
 Concen: 17.653 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

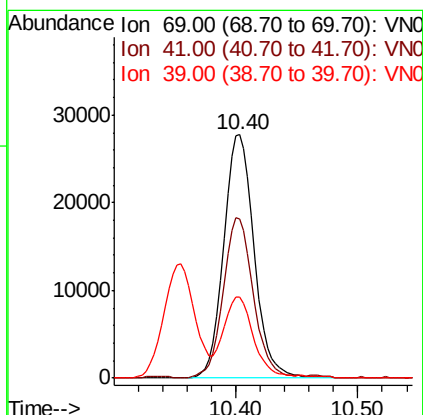
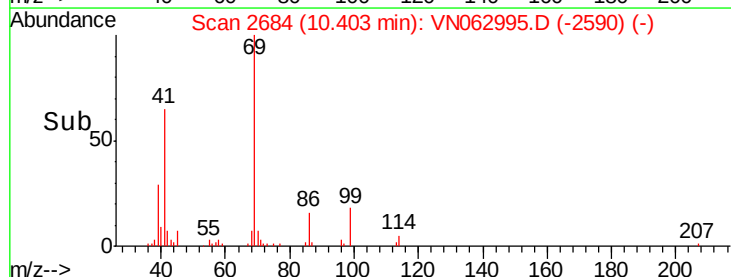
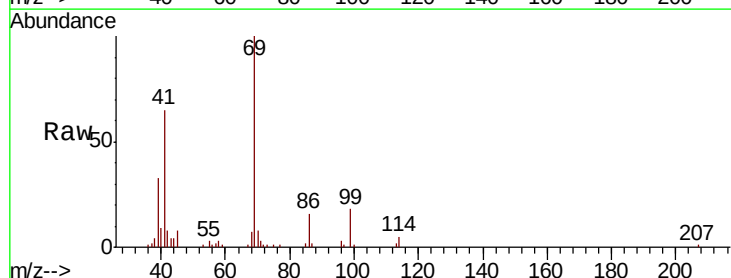
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

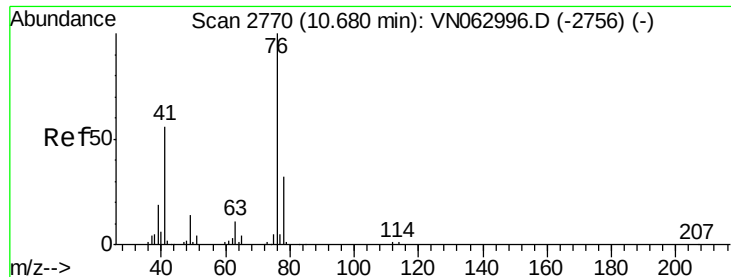
Tot Ion: 97 Resp: 37100
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.5 105.7
 85 57.8 45.8 68.6
 99 63.4 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 17.154 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 69 Resp: 48682
 Ion Ratio Lower Upper
 69 100
 41 65.4 50.2 75.2
 39 33.7 24.2 36.4





#57

1,3-Dichloropropane

Concen: 17.493 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

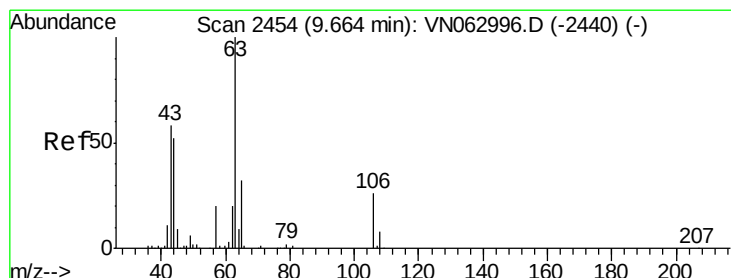
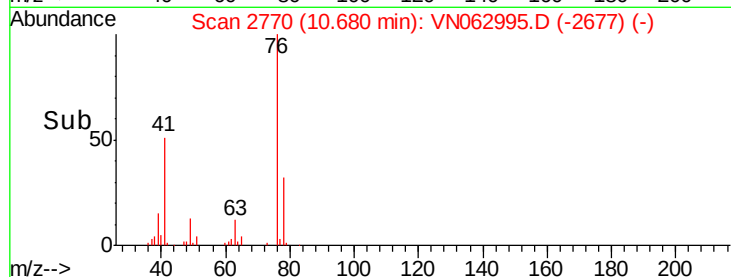
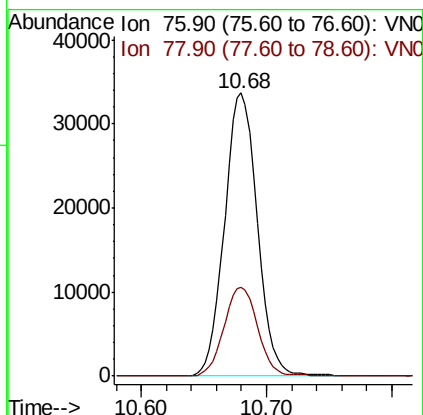
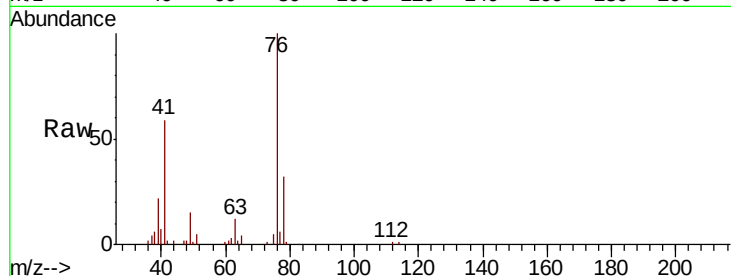
VSTDIC020

Tot Ion: 76 Resp: 61047

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 81.573 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062995.D

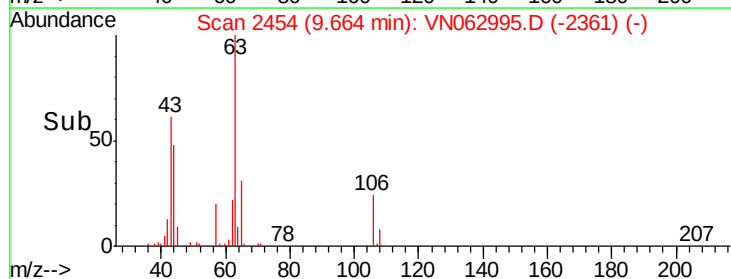
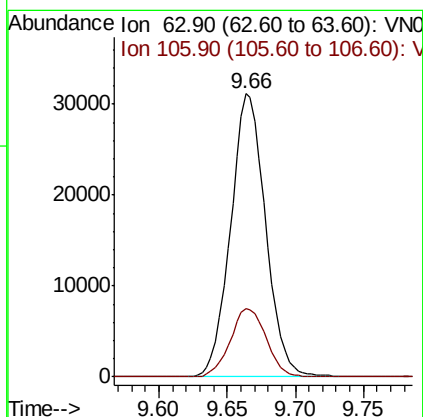
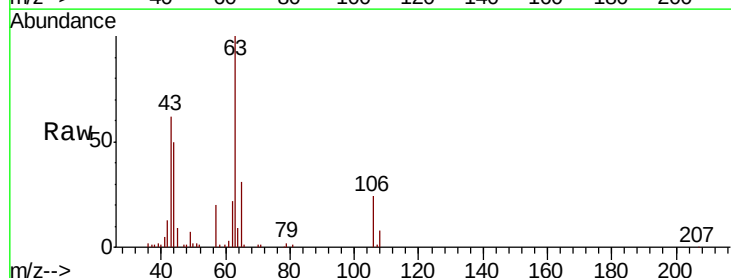
Acq: 18 Aug 2020 19:29

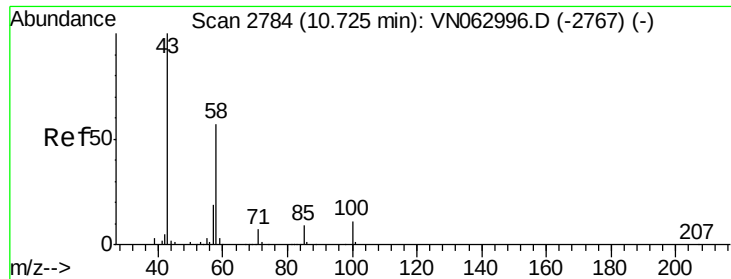
Tgt Ion: 63 Resp: 55484

Ion Ratio Lower Upper

63 100

106 24.7 20.7 31.1





#59

2-Hexanone

Concen: 87.762 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

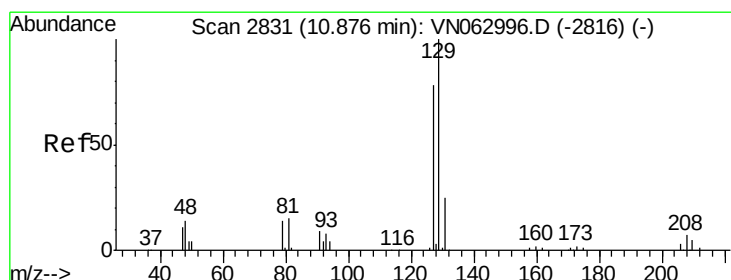
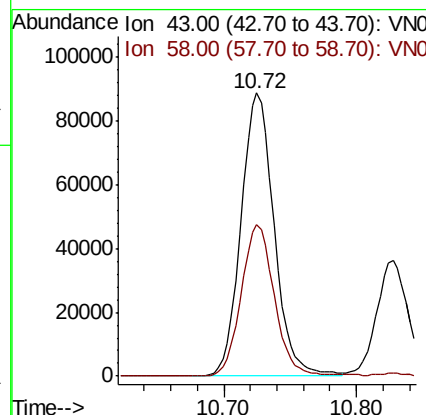
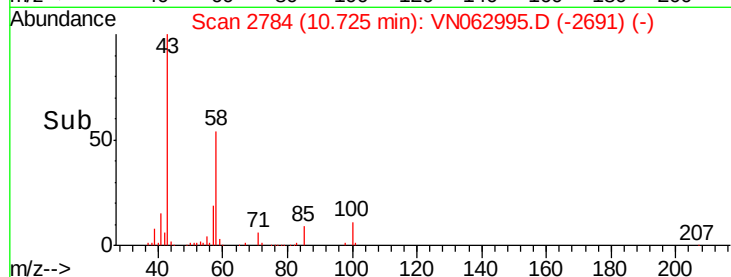
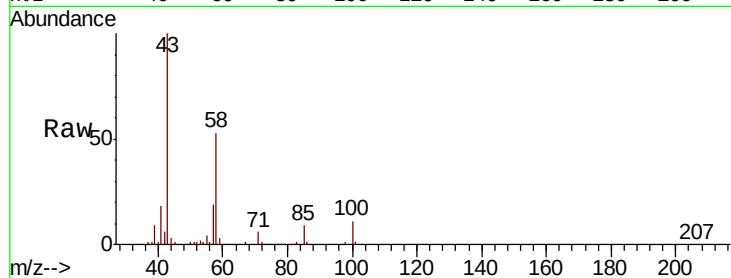
VSTDIC020

Tot Ion: 43 Resp: 154306

Ion Ratio Lower Upper

43 100

58 53.4 28.1 84.3



#60

Dibromochloromethane

Concen: 17.098 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. -0.00 min

Lab File: VN062995.D

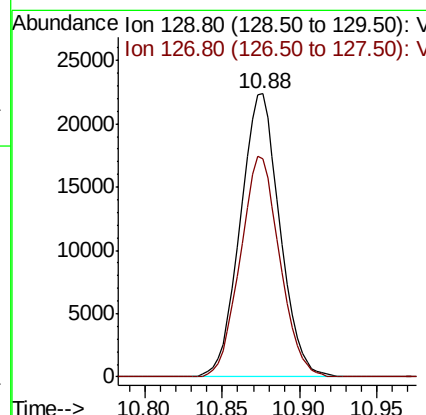
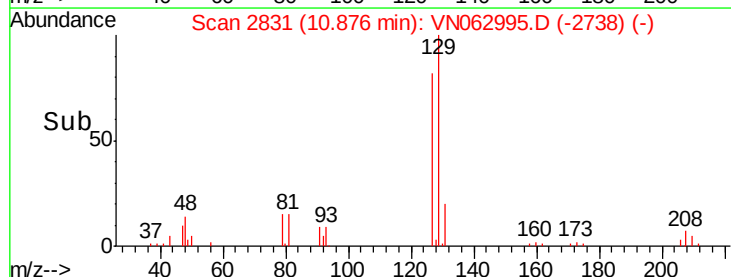
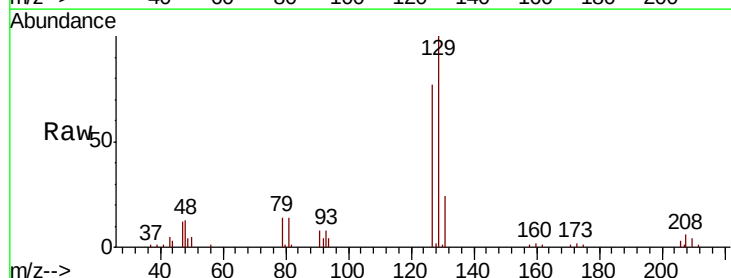
Acq: 18 Aug 2020 19:29

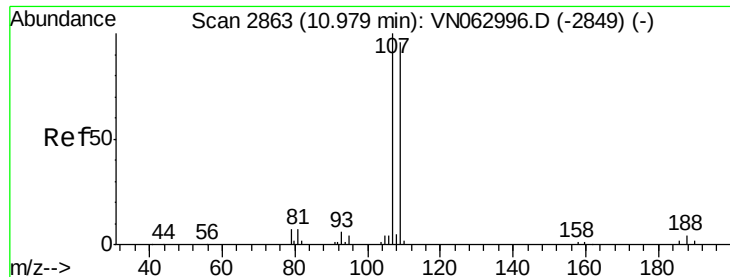
Tgt Ion: 129 Resp: 39766

Ion Ratio Lower Upper

129 100

127 77.5 38.4 115.2

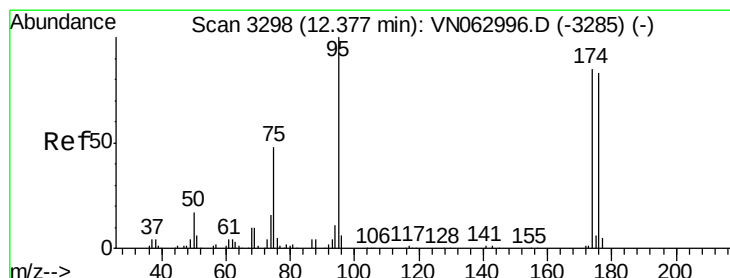
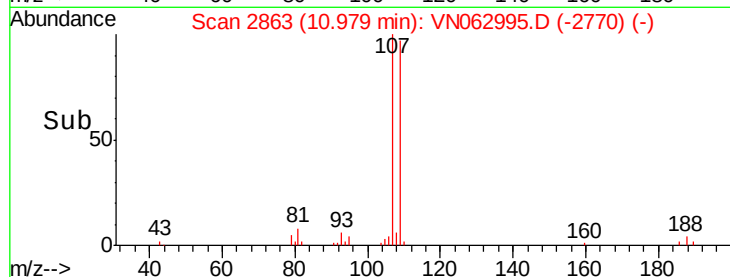
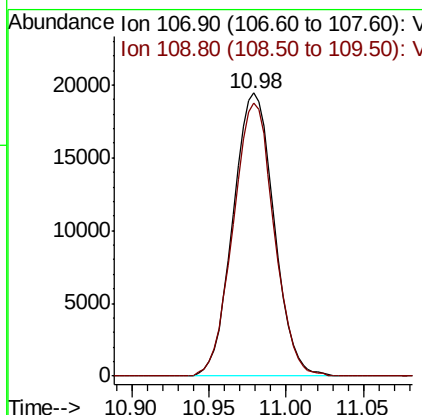
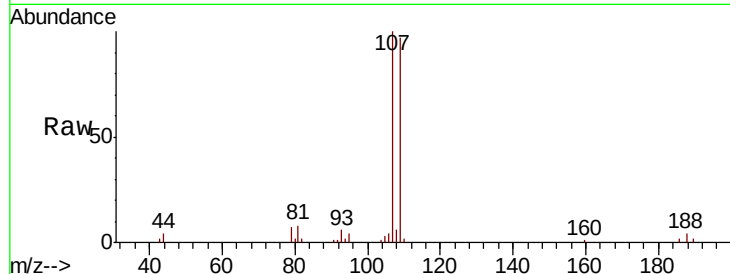




#61
 1,2-Dibromoethane
 Concen: 17.744 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

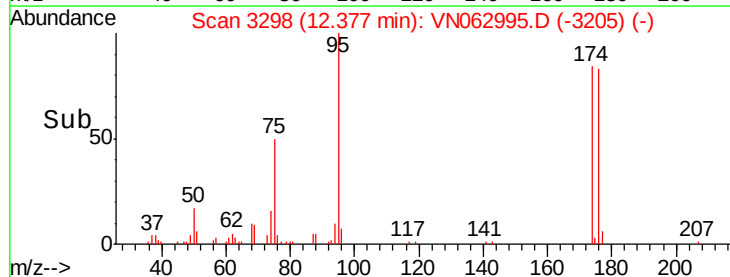
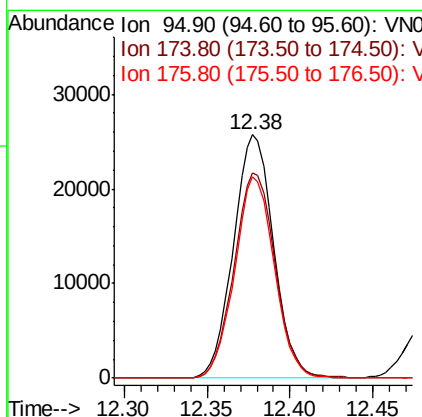
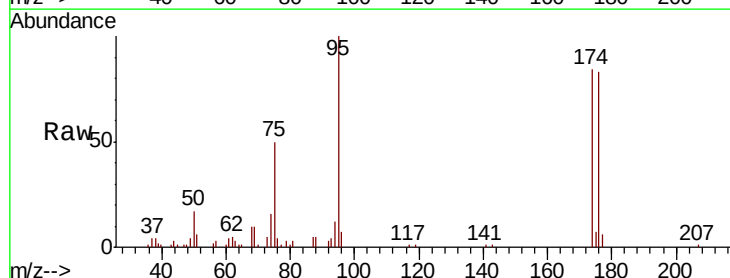
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

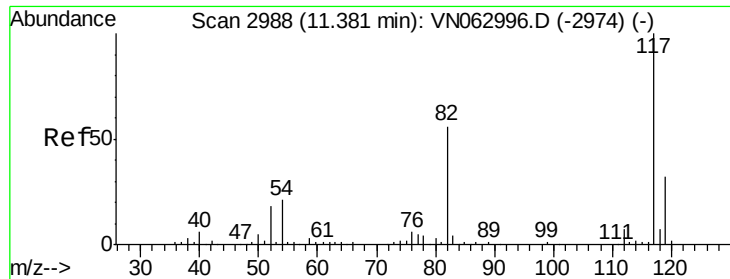
Tot Ion:107 Resp: 35832
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 16.781 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 95 Resp: 43205
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 170.8
 176 81.8 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

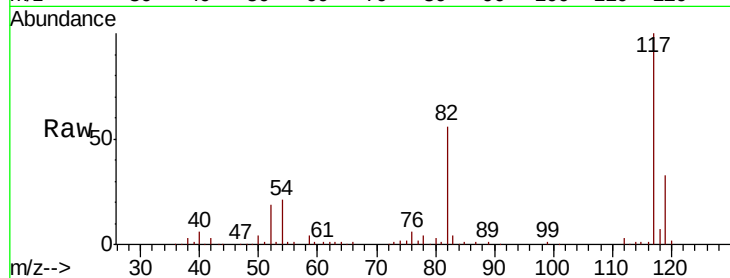
Tot Ion:117 Resp: 277364

Ion Ratio Lower Upper

117 100

82 56.4 44.5 66.7

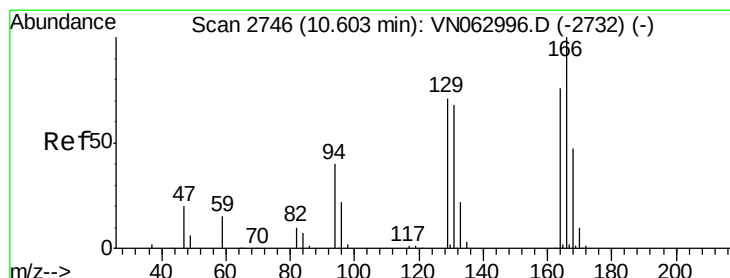
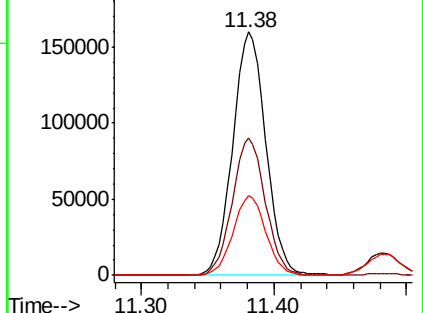
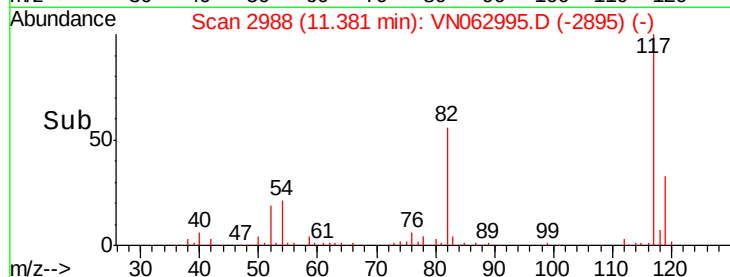
119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 17.167 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion:164 Resp: 31299

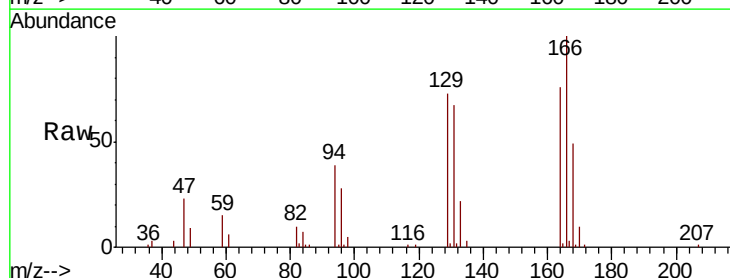
Ion Ratio Lower Upper

164 100

166 131.0 105.0 157.6

129 95.2 74.7 112.1

131 87.9 71.0 106.4

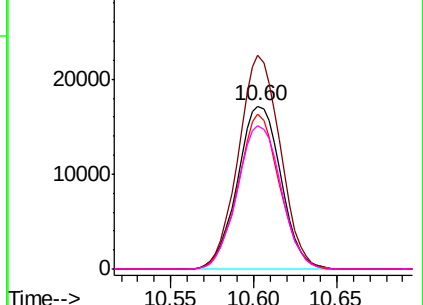
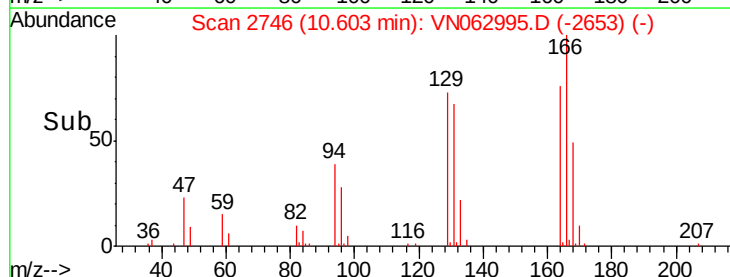


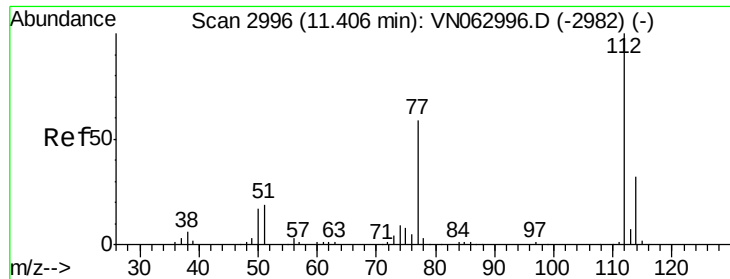
Abundance Ion 163.80 (163.50 to 164.50): V

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: 16.935 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

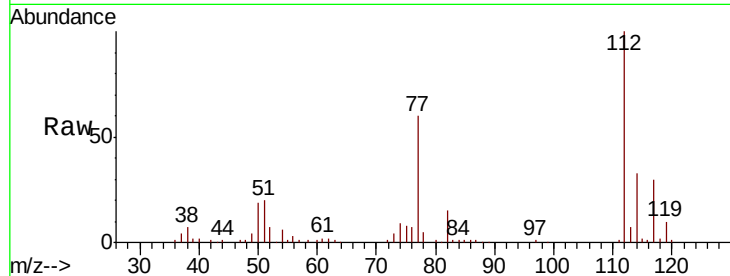
VSTDIC020

Tot Ion:112 Resp: 94336

Ion Ratio Lower Upper

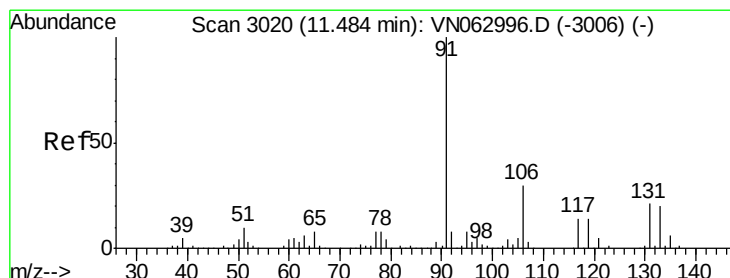
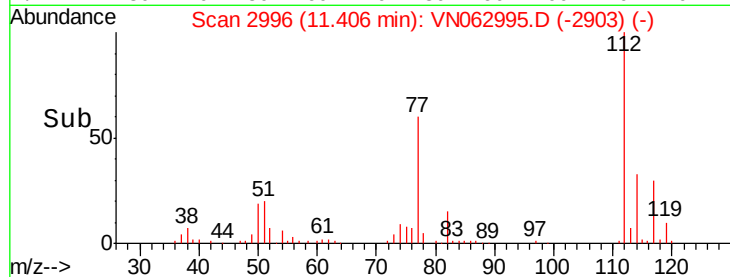
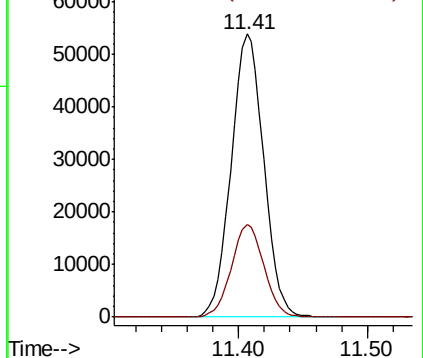
112 100

114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.950 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

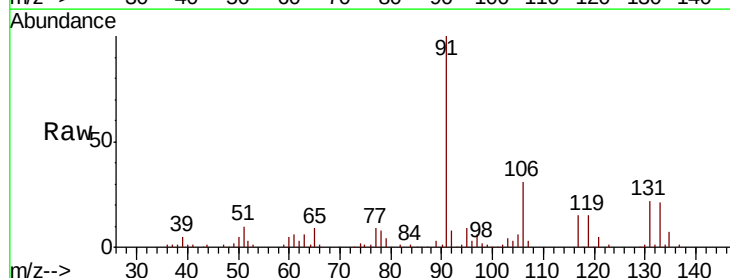
Tgt Ion:131 Resp: 36725

Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

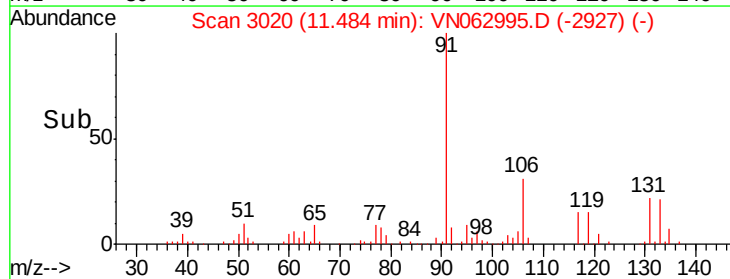
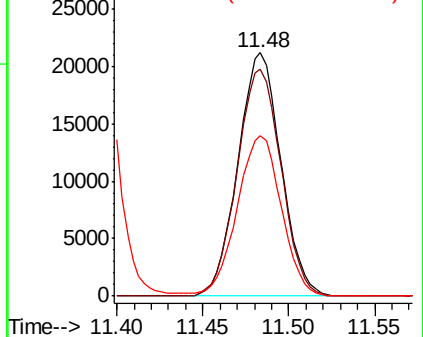
119 67.5 33.1 99.3

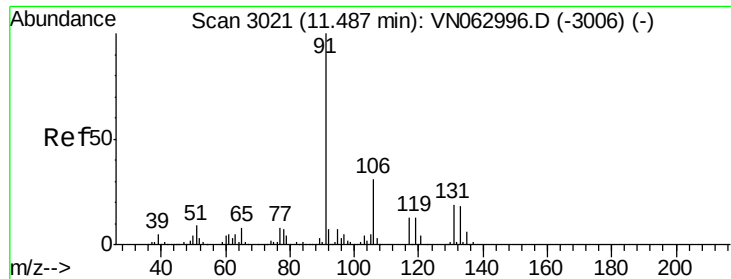


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

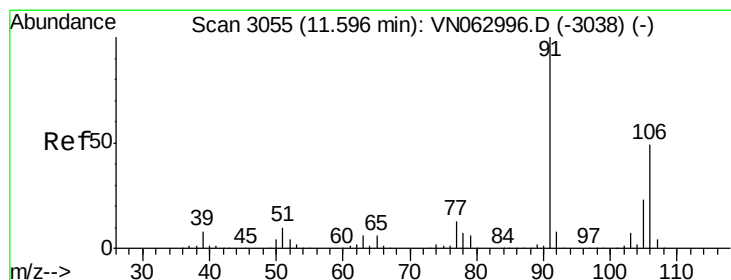
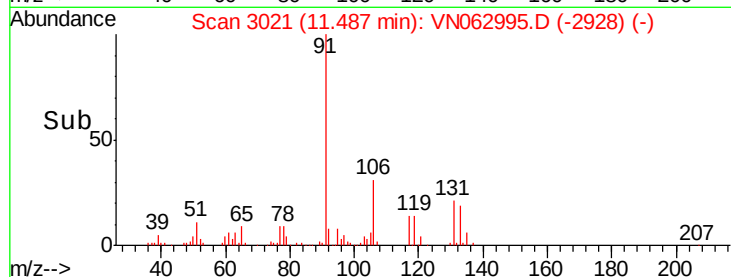
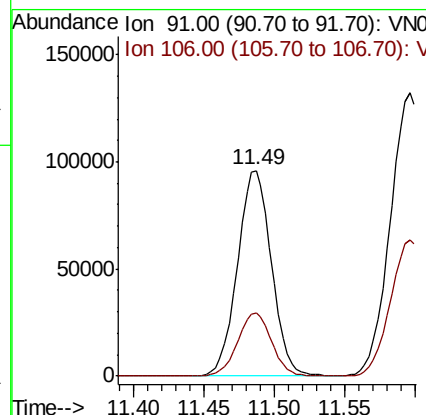
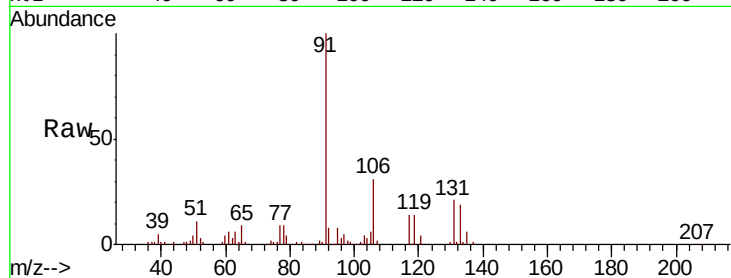




#67
Ethyl Benzene
Concen: 17.190 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

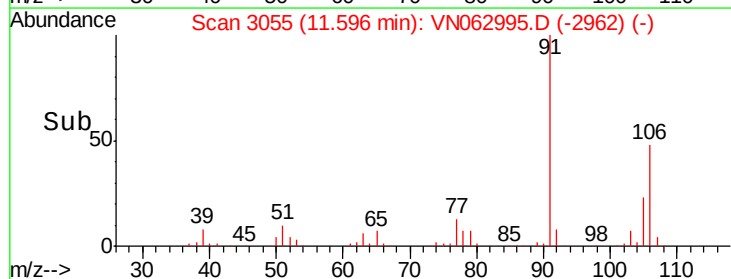
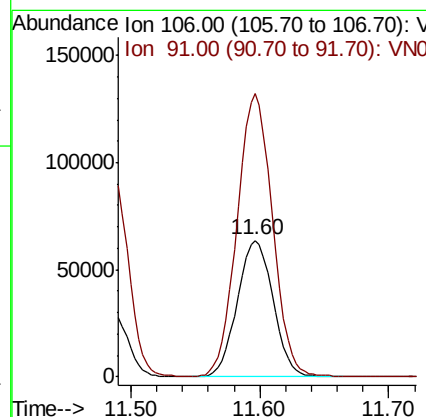
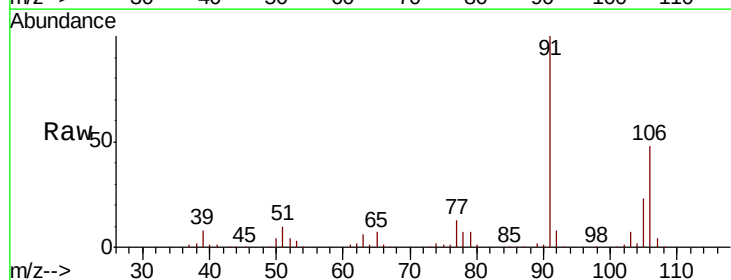
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

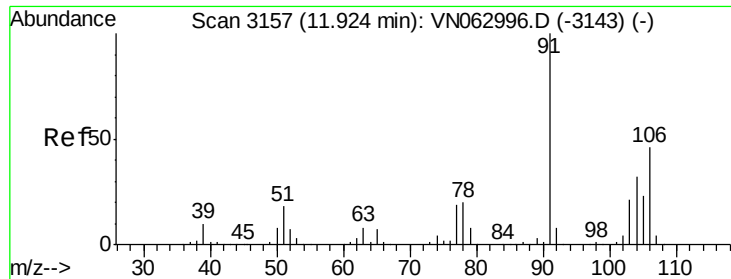
Tot Ion: 91 Resp: 161799
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0



#68
m/p-Xylenes
Concen: 35.215 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 106 Resp: 123193
Ion Ratio Lower Upper
106 100
91 204.5 163.0 244.4

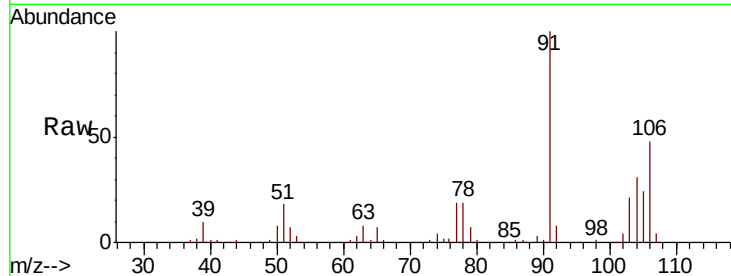




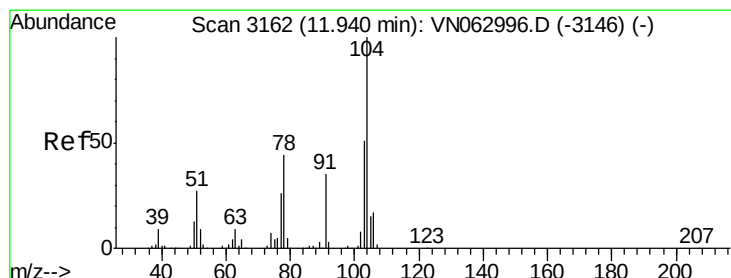
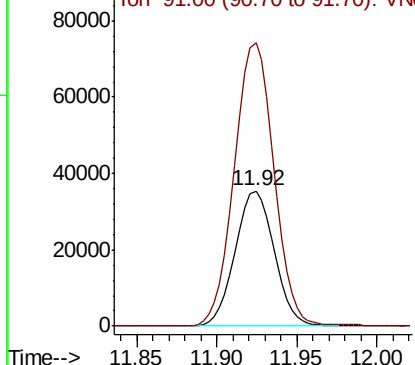
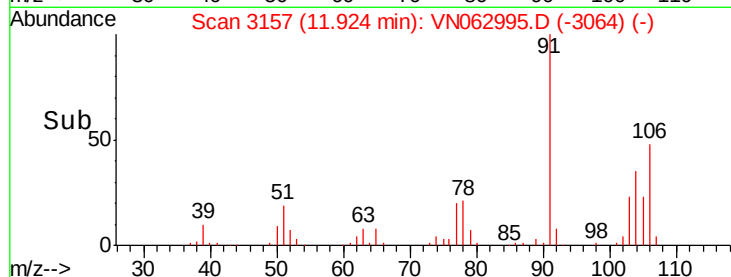
#69
o-Xylene
Concen: 17.516 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 58842
Ion Ratio Lower Upper
106 100
91 213.7 107.3 321.9

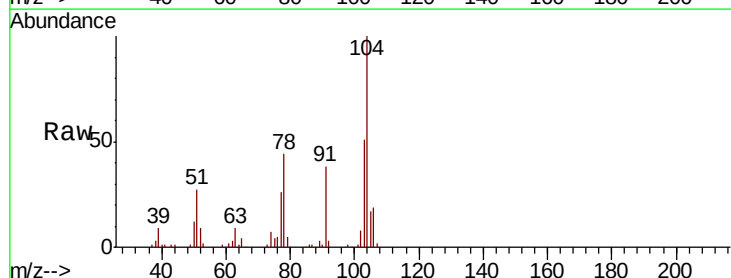


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

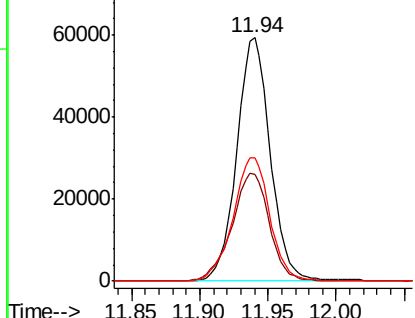
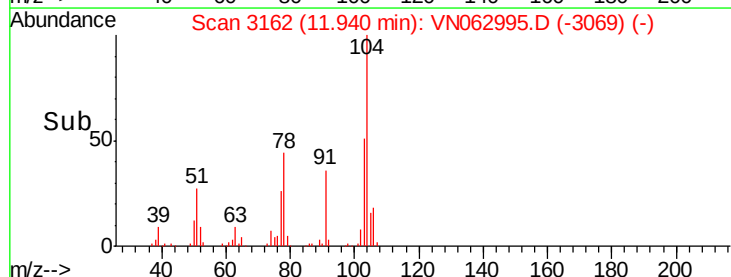


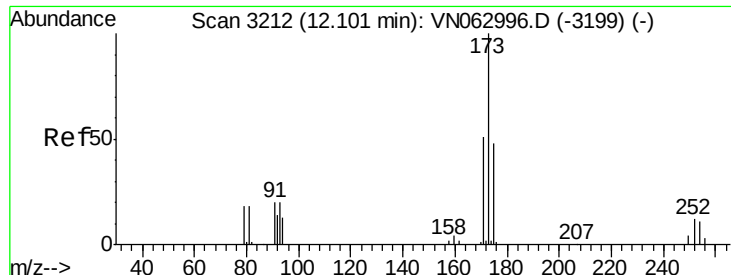
#70
Styrene
Concen: 17.530 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion:104 Resp: 101063
Ion Ratio Lower Upper
104 100
78 49.4 39.0 58.6
103 55.7 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.108 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

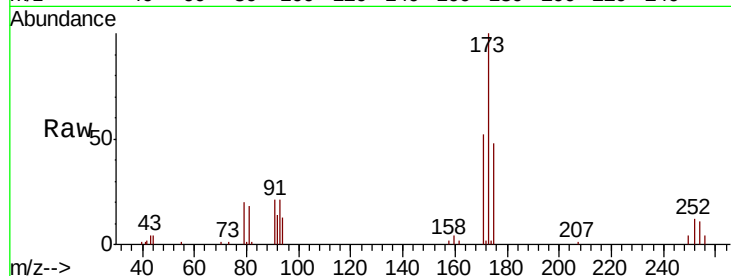
Tot Ion:173 Resp: 29504

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

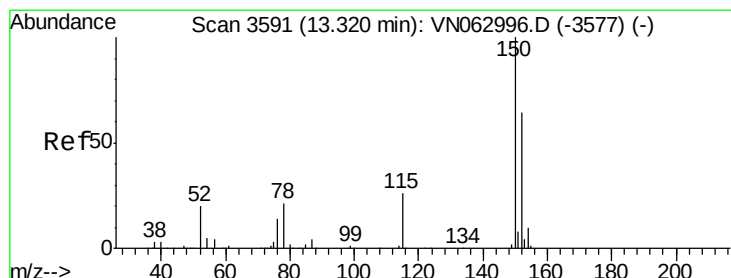
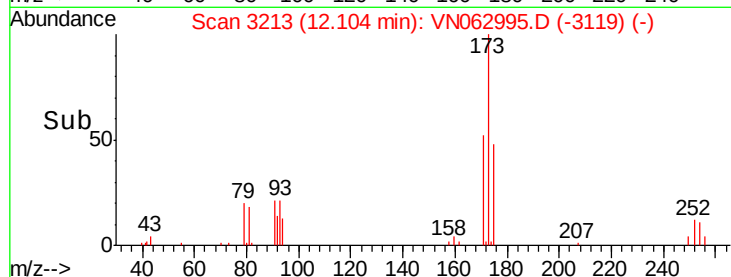
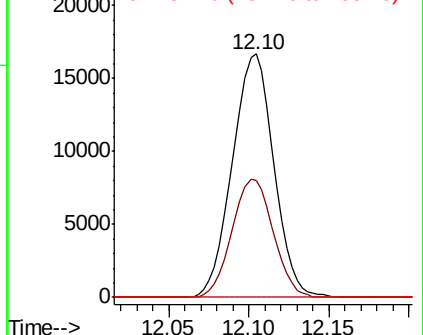
254 0.0 0.0 0.0



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# 3591

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

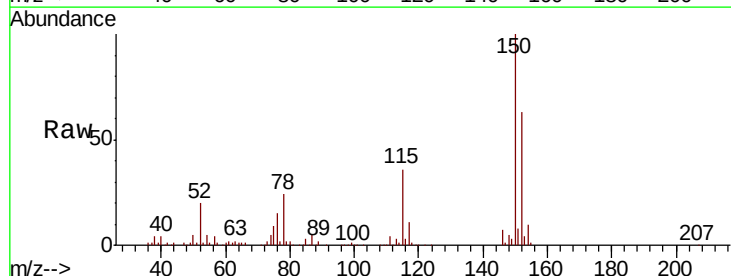
Tgt Ion:152 Resp: 131748

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.3

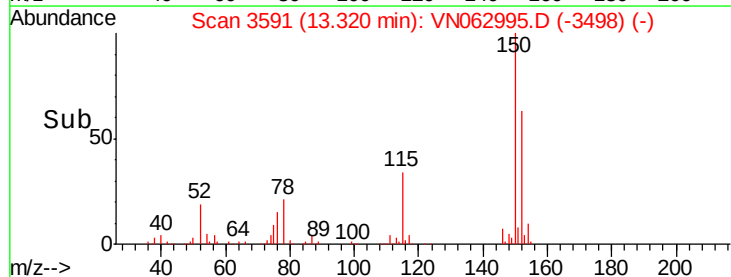
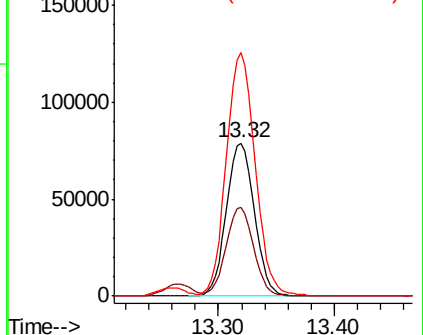
150 164.4 0.0 348.8

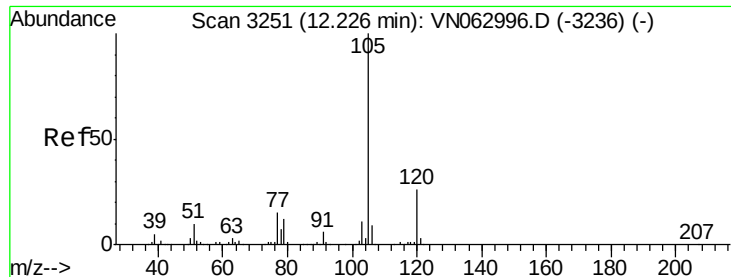


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.497 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

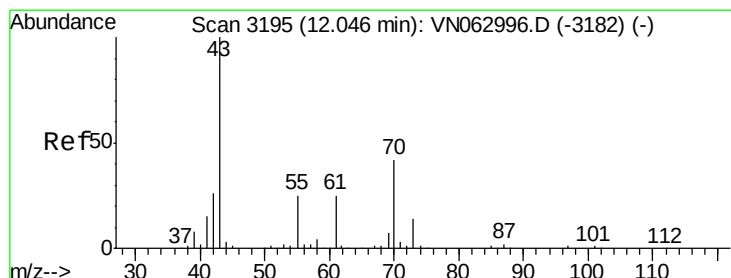
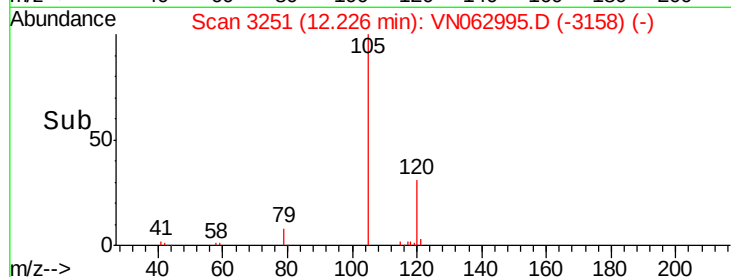
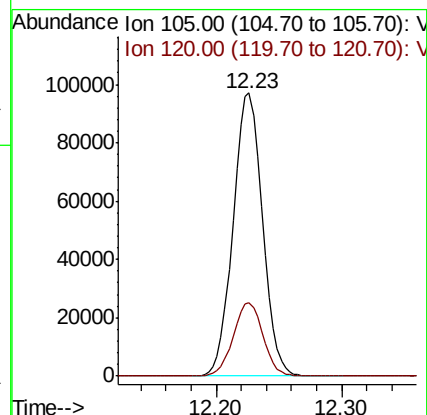
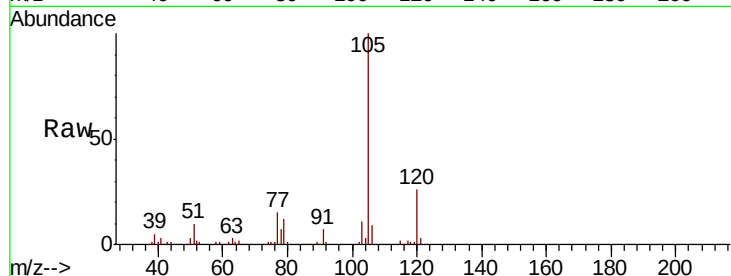
VSTDIC020

Tot Ion:105 Resp: 157856

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 17.537 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Tgt Ion: 43 Resp: 56668

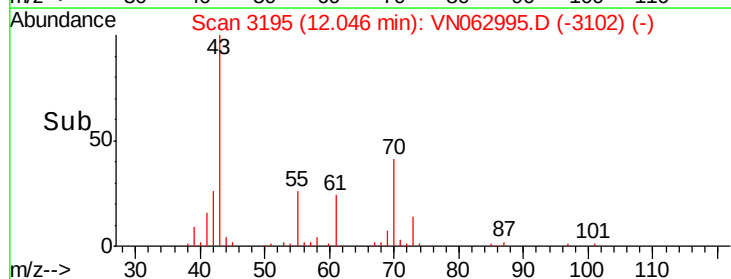
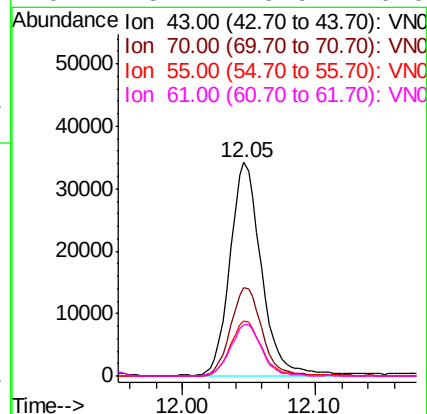
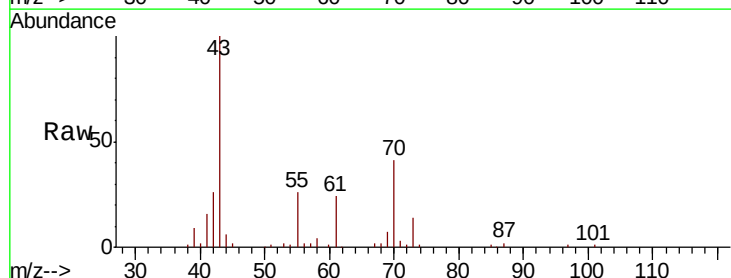
Ion Ratio Lower Upper

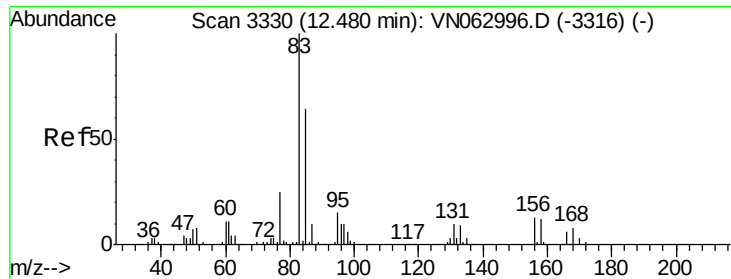
43 100

70 41.3 33.4 50.0

55 25.6 20.2 30.2

61 23.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 16.779 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

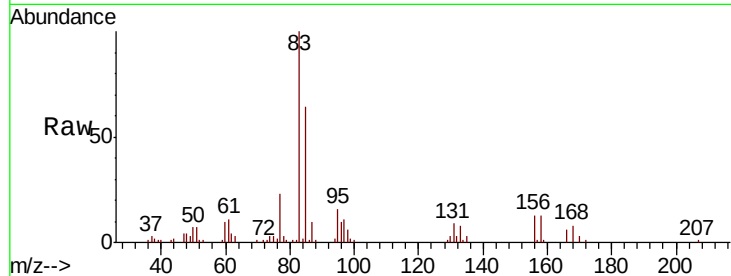
Tot Ion: 83 Resp: 54013

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

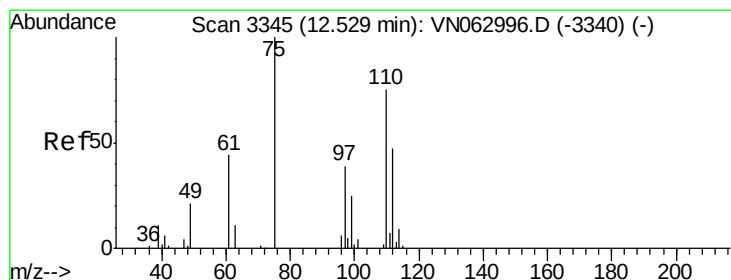
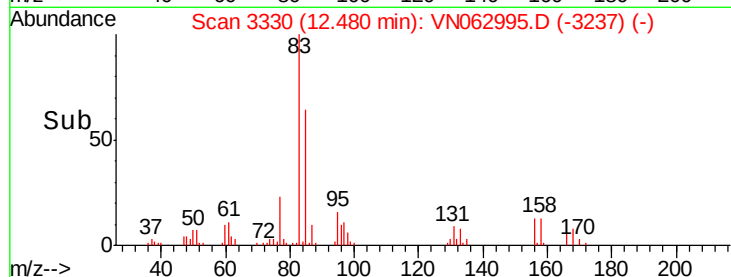
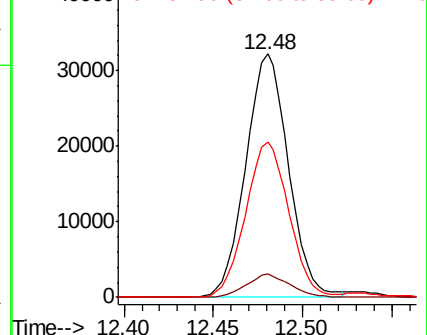
85 64.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN062995.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN062995.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN062995.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 24.705 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062995.D

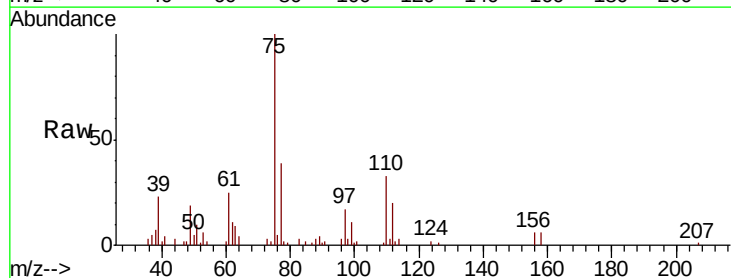
Acq: 18 Aug 2020 19:29

Tgt Ion: 75 Resp: 64106

Ion Ratio Lower Upper

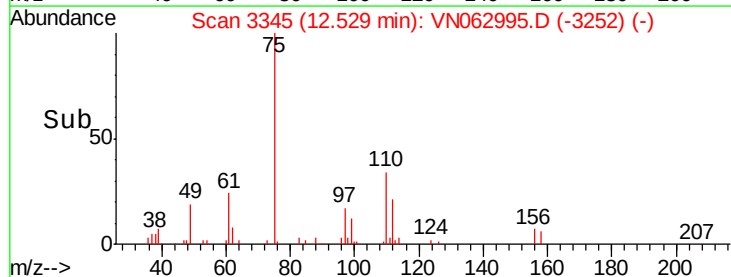
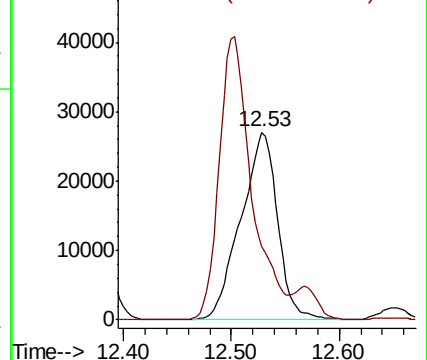
75 100

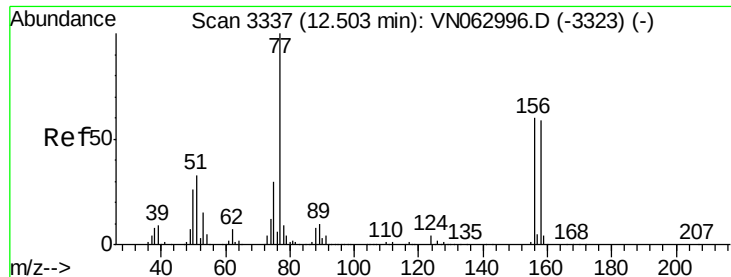
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062995.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062995.D (-3340) (-)





#77

Bromobenzene

Concen: 17.308 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

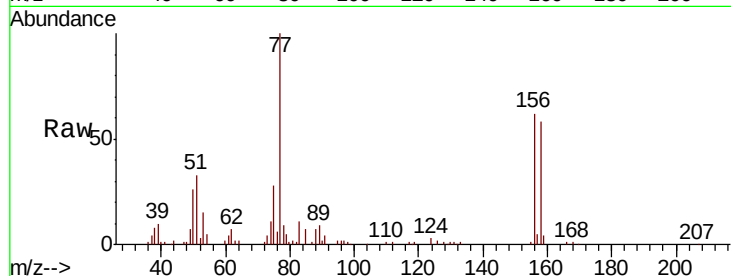
Tot Ion:156 Resp: 42946

Ion Ratio Lower Upper

156 100

77 199.5 101.0 302.9

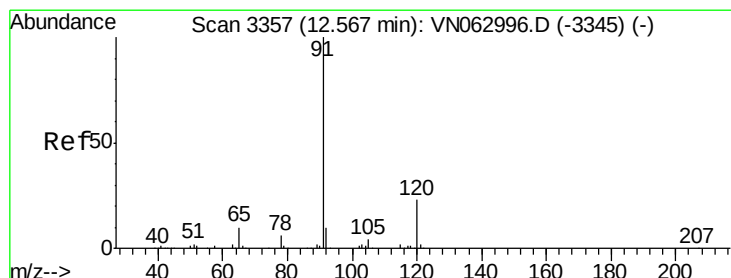
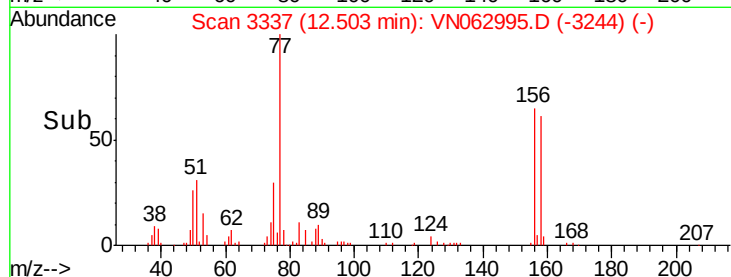
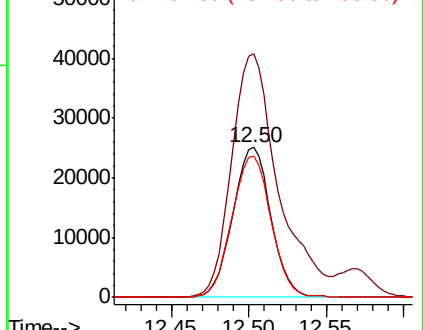
158 96.4 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.843 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062995.D

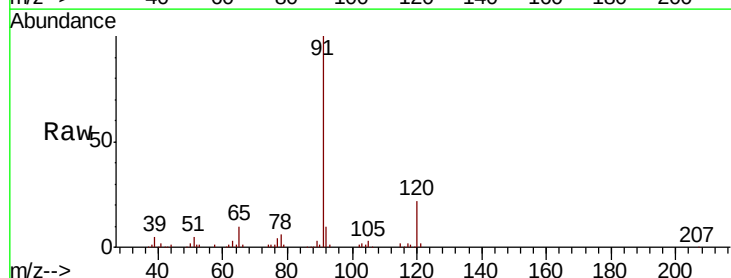
Acq: 18 Aug 2020 19:29

Tgt Ion: 91 Resp: 183491

Ion Ratio Lower Upper

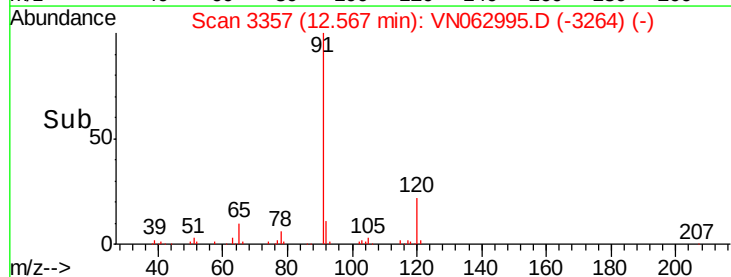
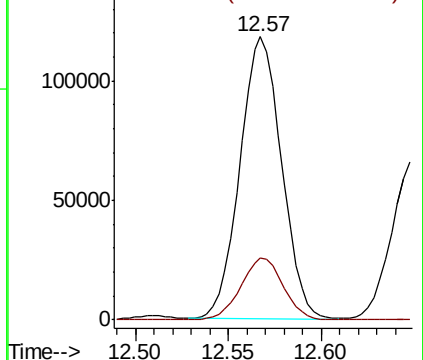
91 100

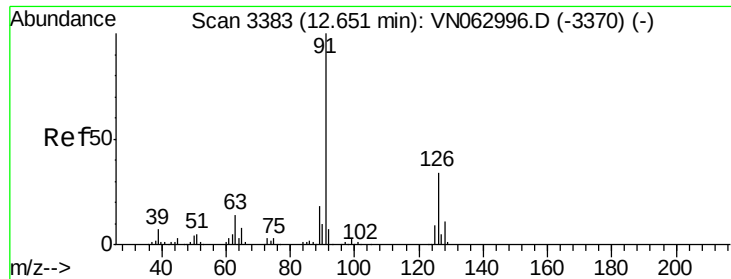
120 22.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

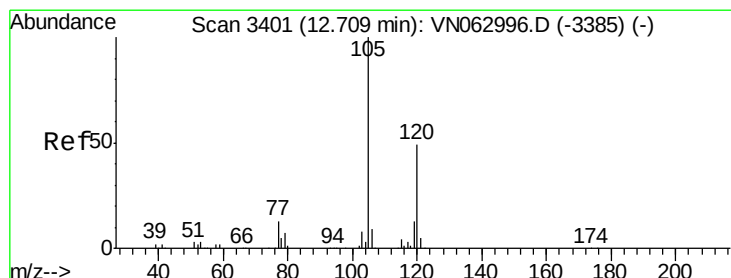
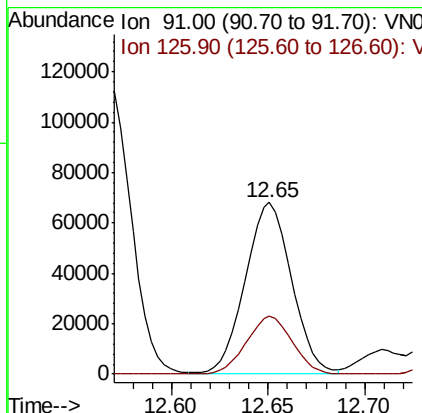
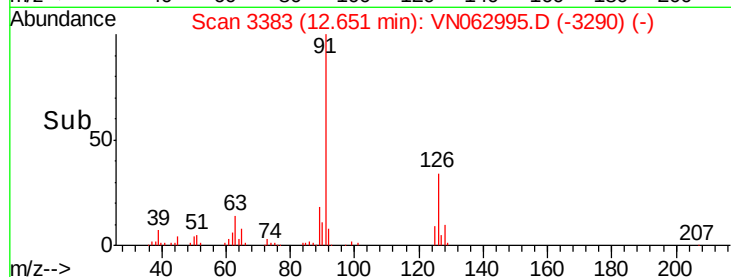
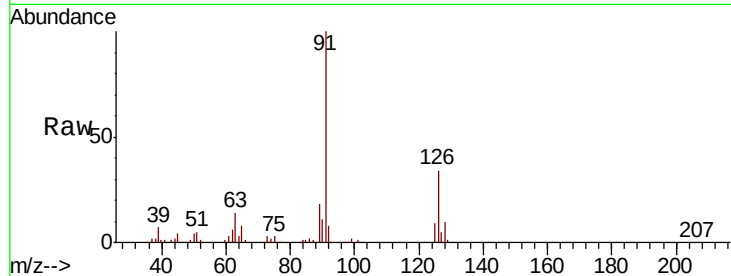




#79
 2-Chlorotoluene
 Concen: 17.334 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

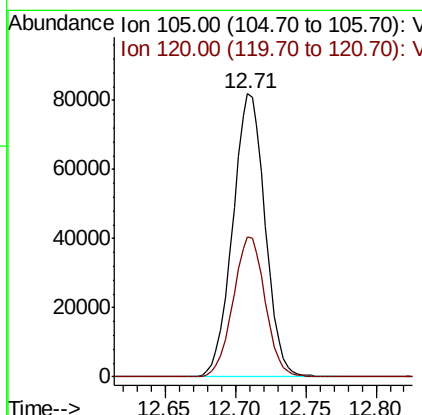
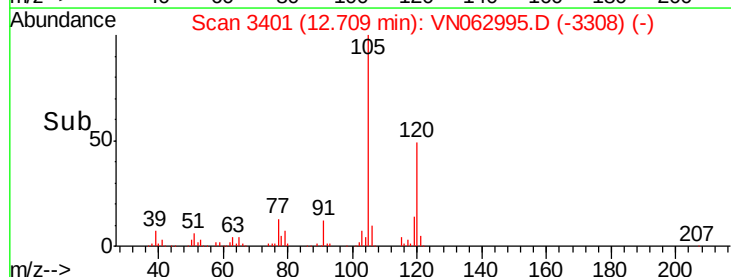
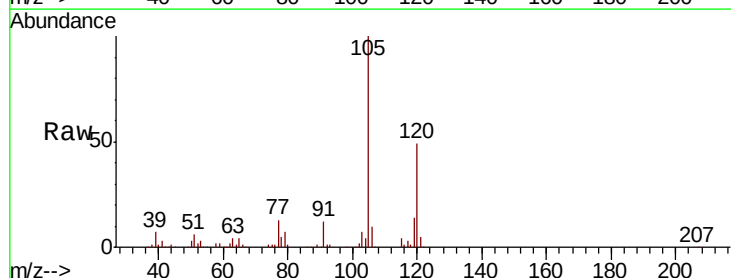
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

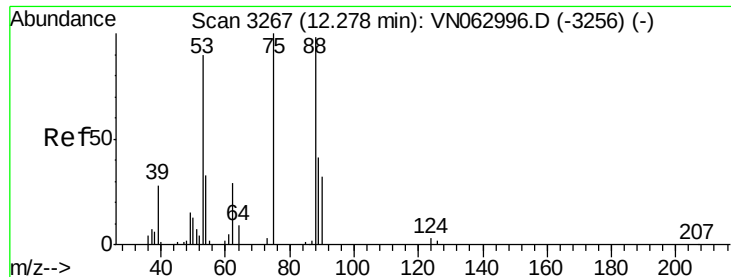
Tot Ion: 91 Resp: 112121
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 17.652 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 105 Resp: 131651
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.080 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

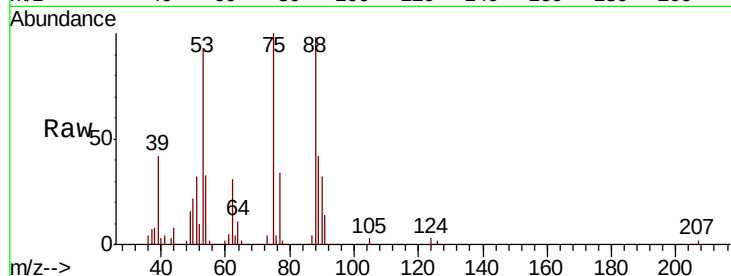
Tot Ion: 75 Resp: 15926

Ion Ratio Lower Upper

75 100

53 91.5 69.2 103.8

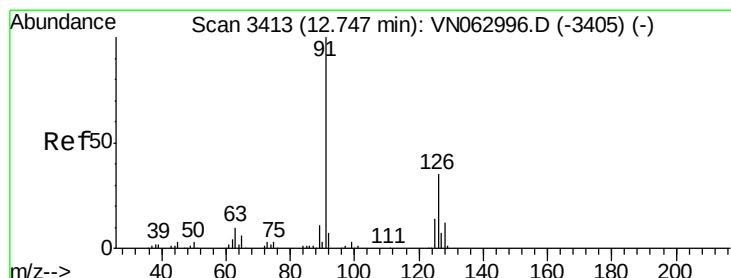
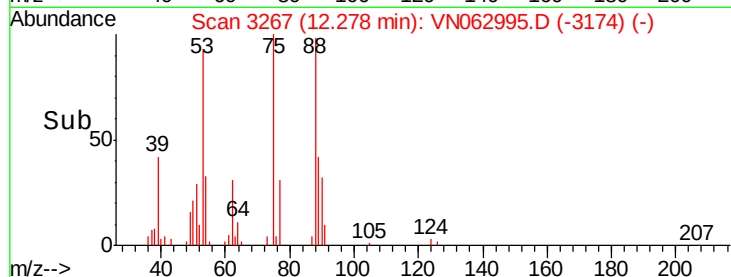
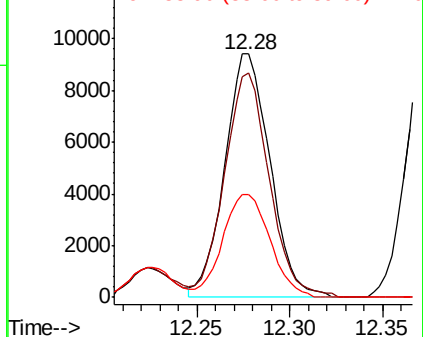
89 44.6 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN062995.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062995.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062995.D (-3174) (-)



#82

4-Chlorotoluene

Concen: 17.495 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062995.D

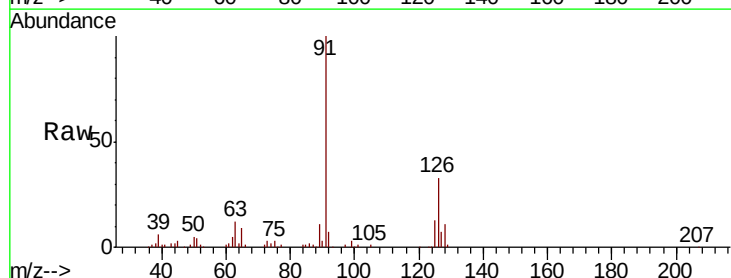
Acq: 18 Aug 2020 19:29

Tgt Ion: 91 Resp: 115230

Ion Ratio Lower Upper

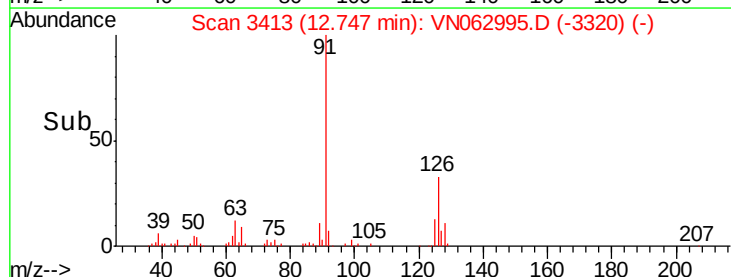
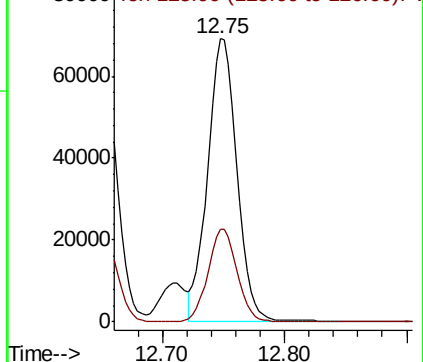
91 100

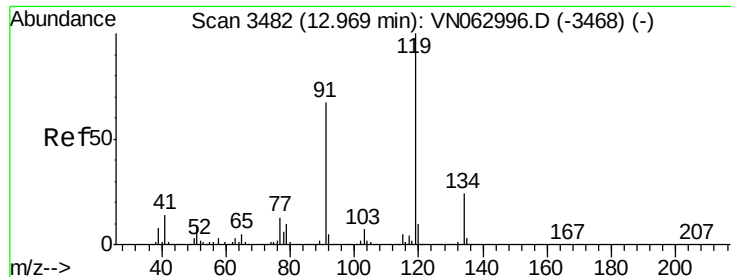
126 32.7 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN062995.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062995.D (-3320) (-)

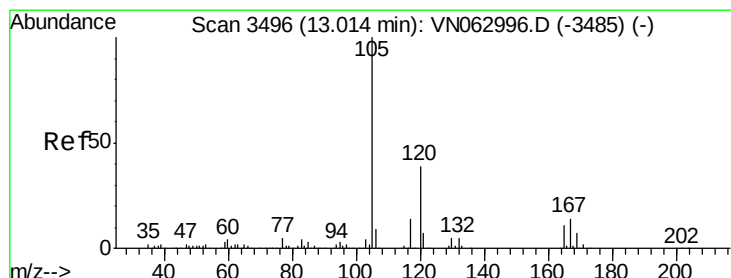
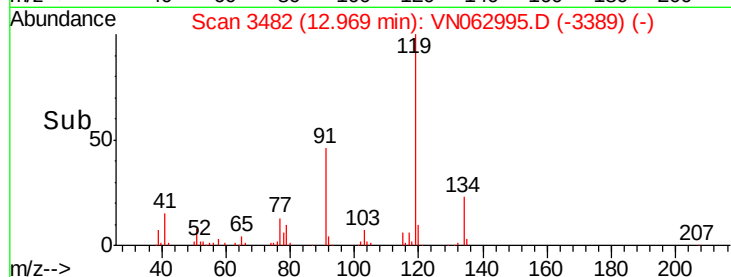
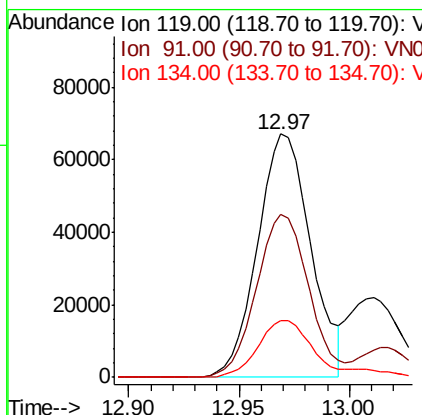
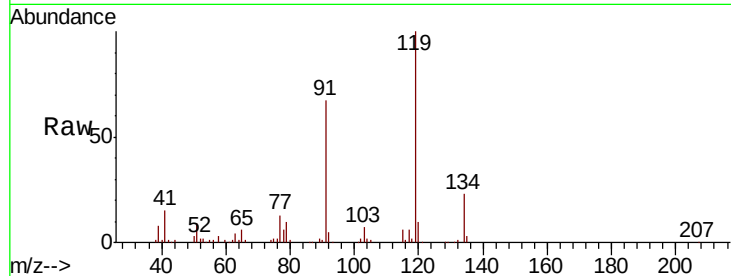




#83
 tert-Butylbenzene
 Concen: 17.434 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

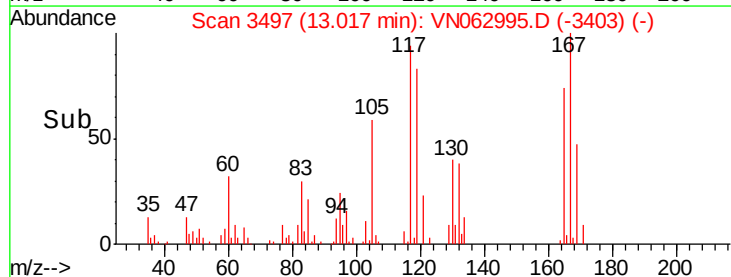
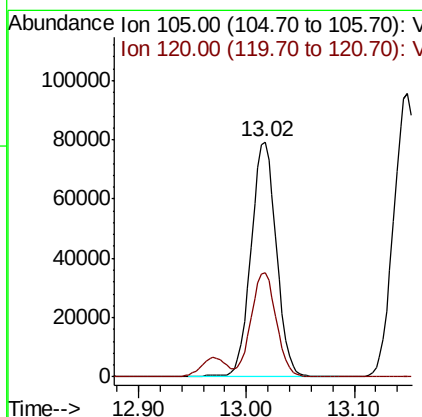
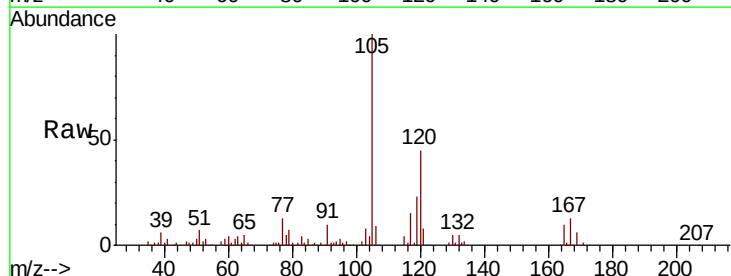
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

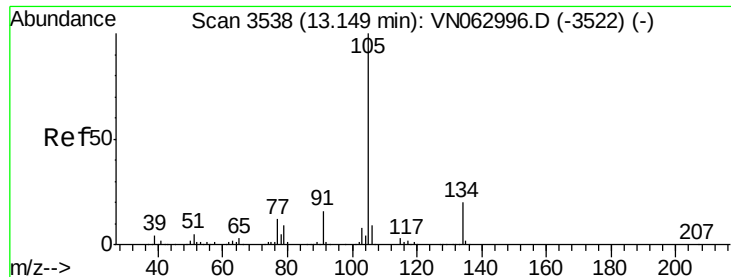
Tot Ion:119 Resp: 112225
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.5 97.4
 134 25.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.782 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion:105 Resp: 129201
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.5 67.5





#85

sec-Butylbenzene

Concen: 17.640 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

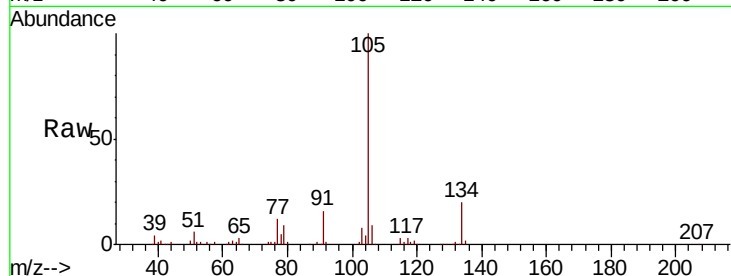
VSTDIC020

Tot Ion:105 Resp: 153462

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

100000

80000

60000

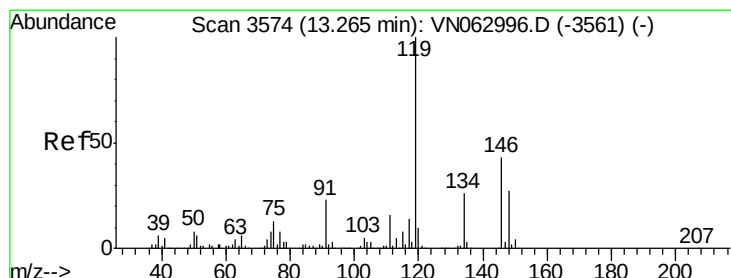
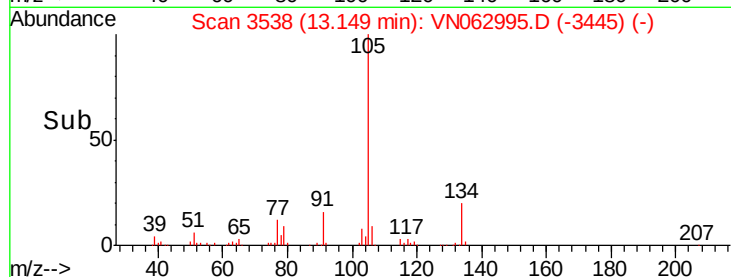
40000

20000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 17.394 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

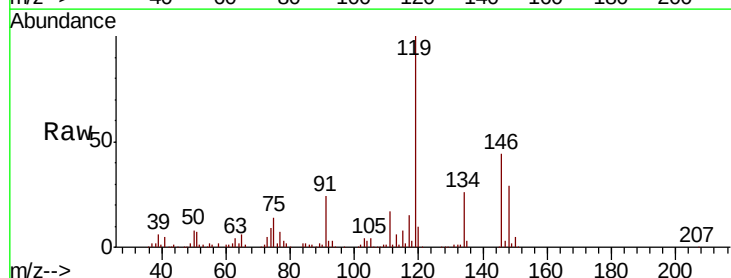
Tgt Ion:119 Resp: 131854

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.7 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

100000

80000

60000

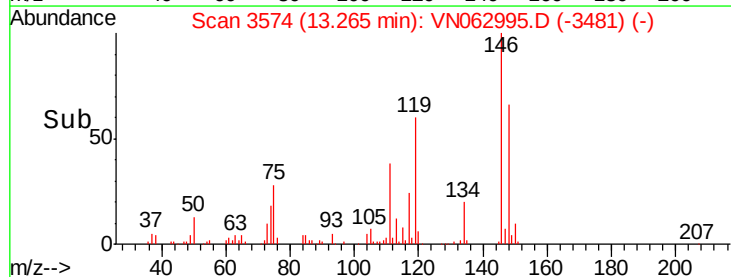
40000

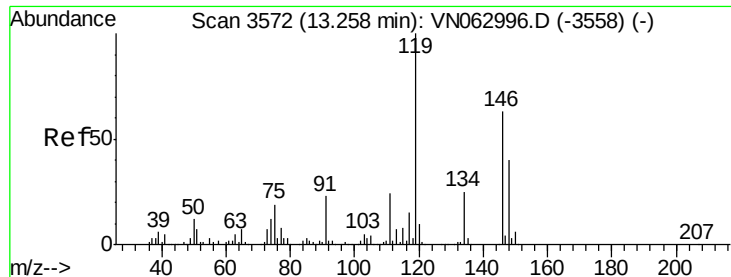
20000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 16.881 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

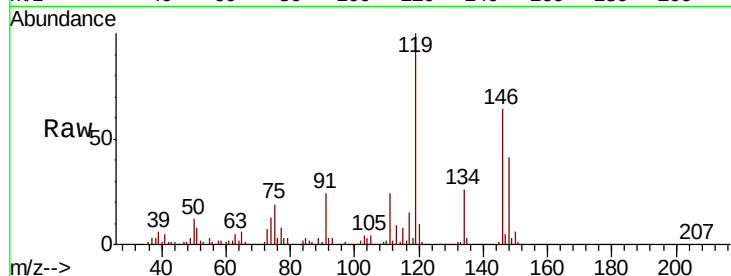
Tot Ion:146 Resp: 71987

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

148 65.0 32.0 96.0

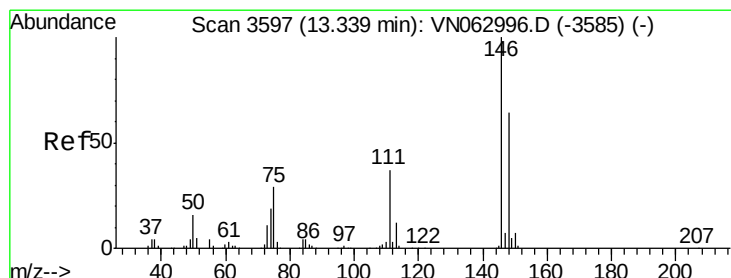
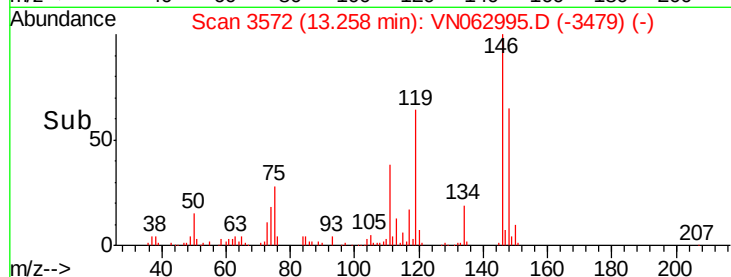
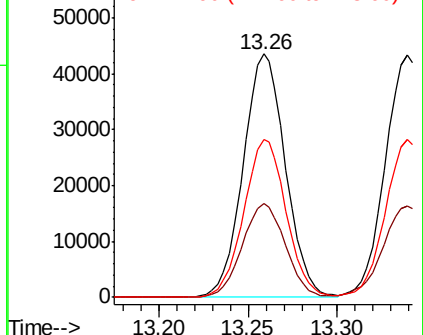


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.803 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062995.D

Acq: 18 Aug 2020 19:29

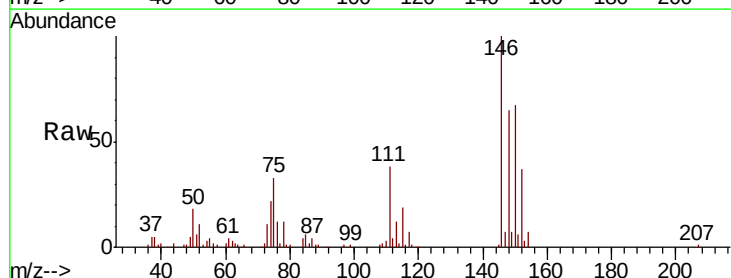
Tgt Ion:146 Resp: 72726

Ion Ratio Lower Upper

146 100

111 40.4 18.8 56.4

148 66.7 32.4 97.0

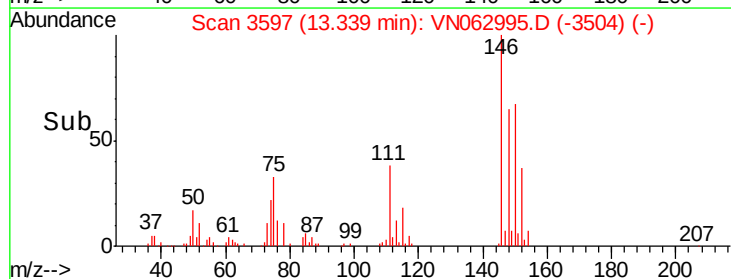
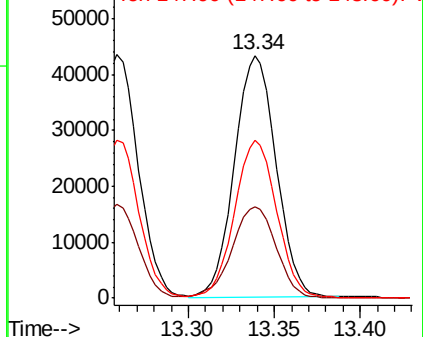


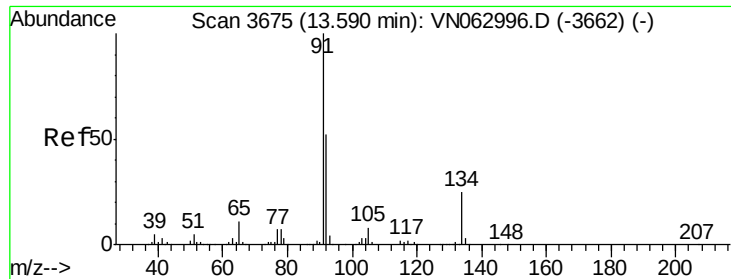
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

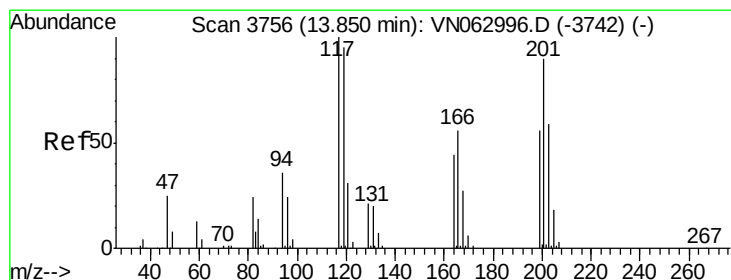
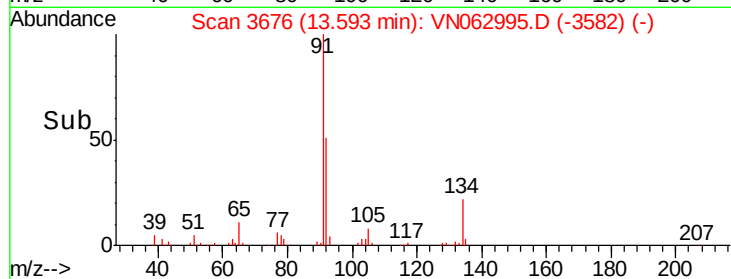
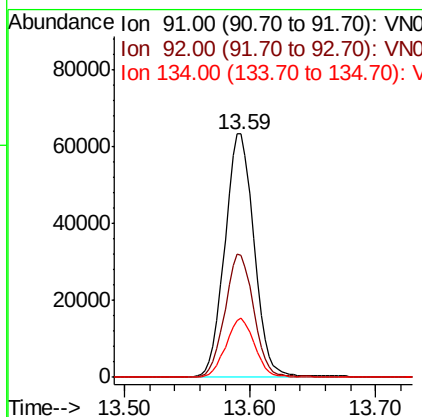
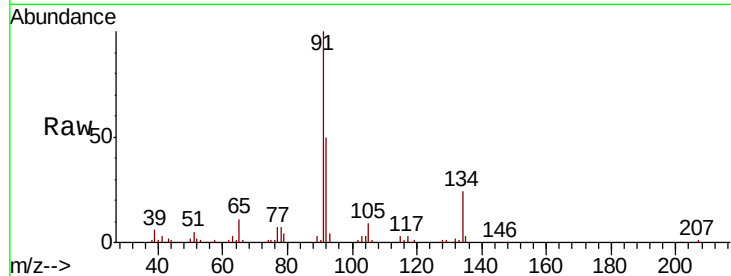




#89
n-Butylbenzene
Concen: 16.075 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

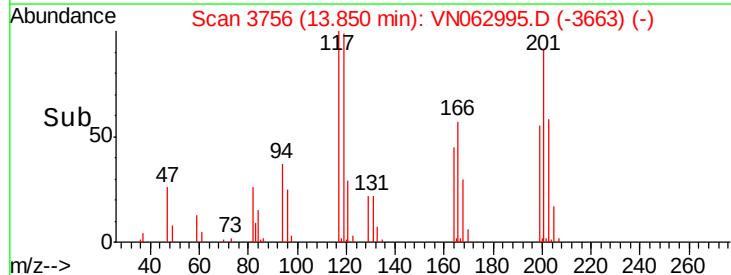
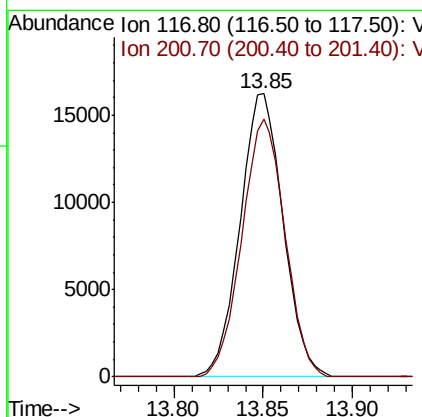
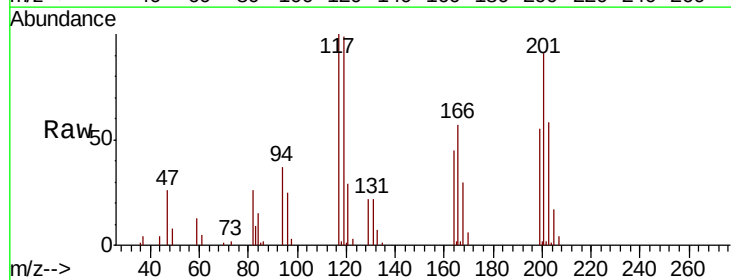
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

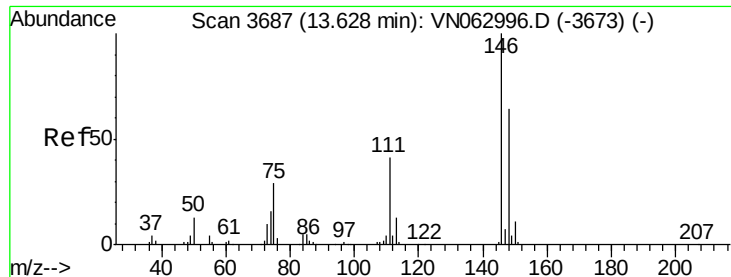
Tot Ion: 91 Resp: 102831
Ion Ratio Lower Upper
91 100
92 49.4 25.9 77.6
134 23.7 12.4 37.0



#90
Hexachloroethane
Concen: 16.953 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion: 117 Resp: 27314
Ion Ratio Lower Upper
117 100
201 91.0 44.1 132.4

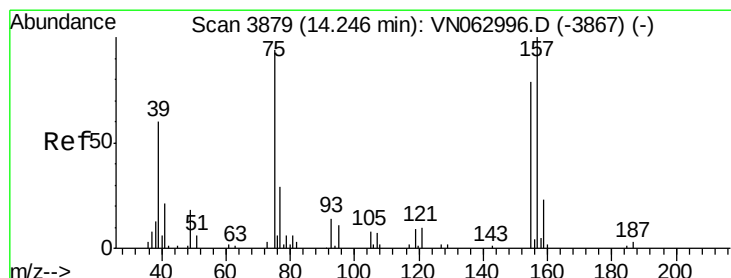
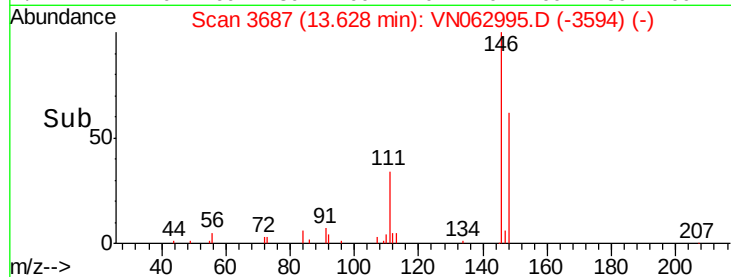
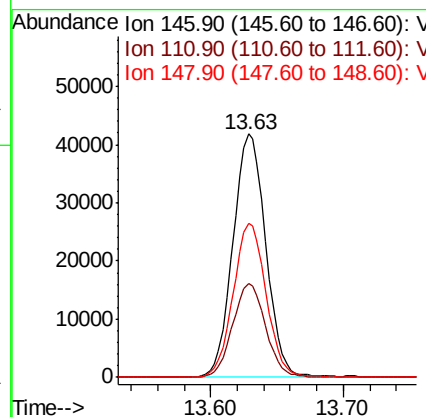
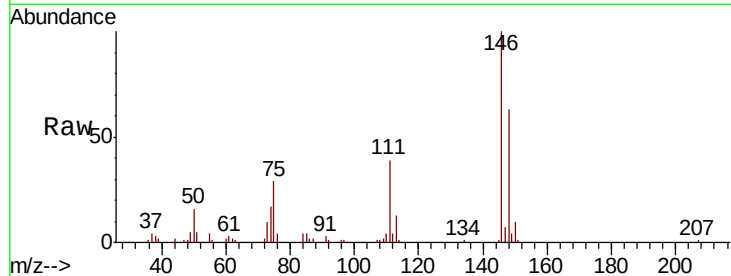




#91
 1,2-Dichlorobenzene
 Concen: 17.467 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

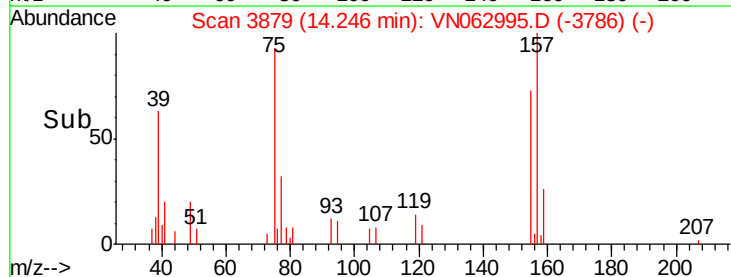
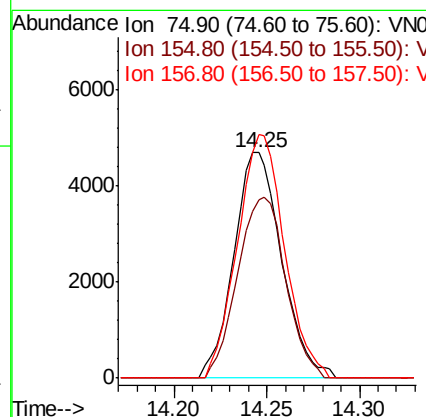
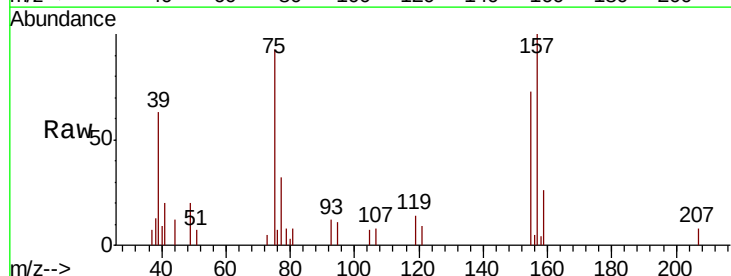
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

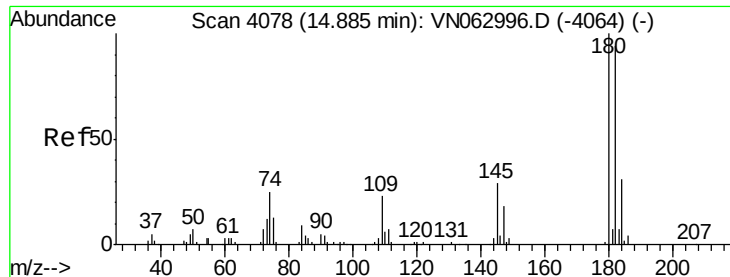
Tot Ion:146 Resp: 71950
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.2 60.5
 148 63.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.513 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion: 75 Resp: 8412
 Ion Ratio Lower Upper
 75 100
 155 80.4 42.4 127.1
 157 105.9 55.2 165.6

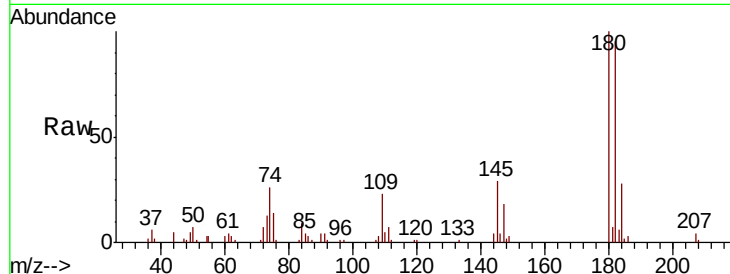




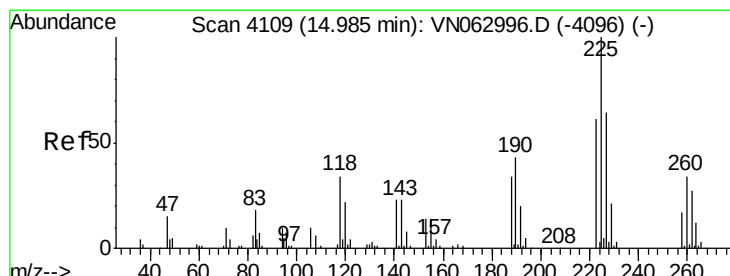
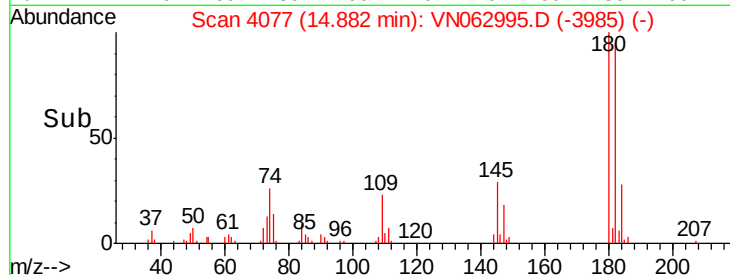
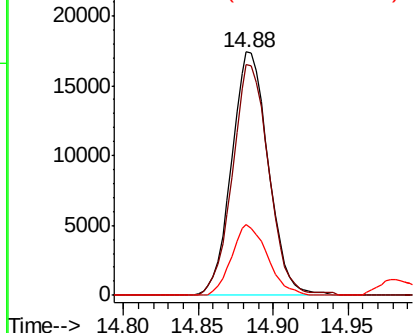
#93
 1,2,4-Trichlorobenzene
 Concen: 16.568 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.0	141.2
145	28.2	14.1	42.4

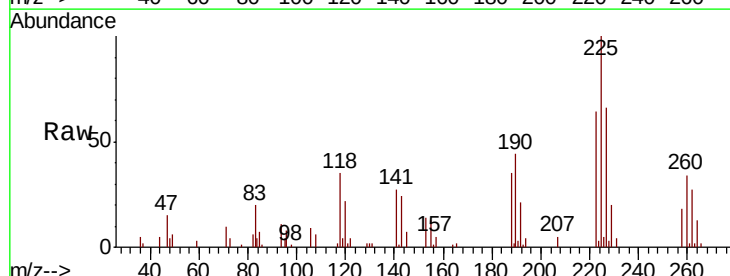


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

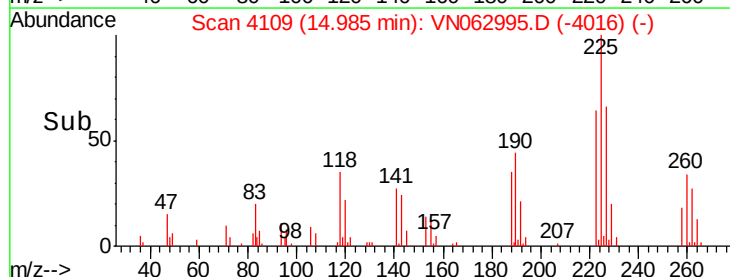
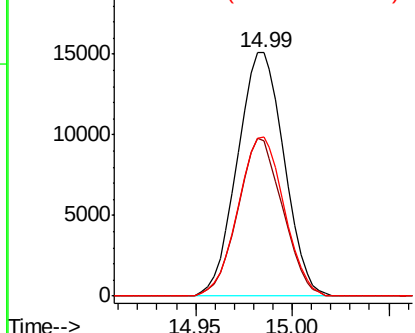


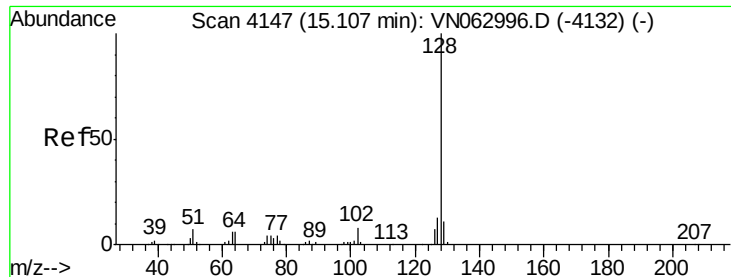
#94
 Hexachlorobutadiene
 Concen: 16.693 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN062995.D
 Acq: 18 Aug 2020 19:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.5
227	64.4	31.9	95.9



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

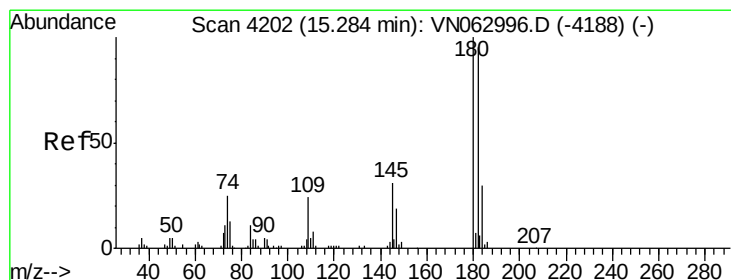
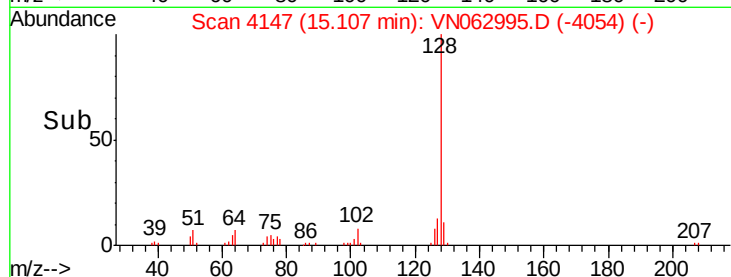
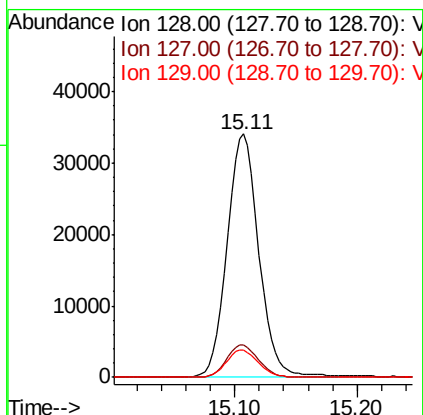
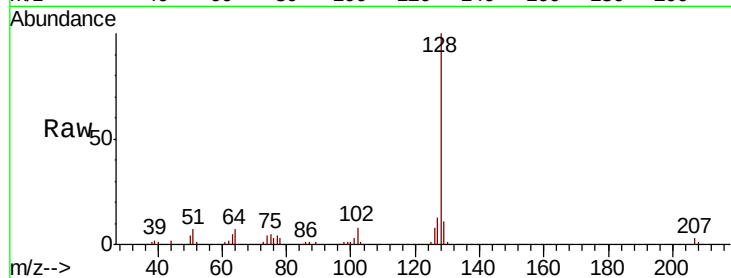




#95
Naphthalene
Concen: 15.423 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 61917
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 16.920 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062995.D
Acq: 18 Aug 2020 19:29

Tgt Ion:180 Resp: 30584
Ion Ratio Lower Upper
180 100
182 96.1 47.3 141.9
145 30.8 15.6 46.7

