

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061833.D
 Acq On : 16 Jun 2020 18:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 17 00:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	238734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	112871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	40058	22.74	ug/l	0.00
Spiked Amount			Recovery	=	45.48%	
35) Dibromofluoromethane	7.55	113	32859	24.07	ug/l	0.00
Spiked Amount			Recovery	=	48.14%	
50) Toluene-d8	10.06	98	128261	21.03	ug/l	0.00
Spiked Amount			Recovery	=	42.06%	
62) 4-Bromofluorobenzene	12.38	95	41854	18.93	ug/l	0.00
Spiked Amount			Recovery	=	37.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	40385	25.661	ug/l	98
3) Chloromethane	2.03	50	44481	24.277	ug/l	97
4) Vinyl Chloride	2.16	62	53038	21.602	ug/l	100
5) Bromomethane	2.54	94	40455	27.449	ug/l	100
6) Chloroethane	2.67	64	33921	21.273	ug/l	96
7) Trichlorofluoromethane	2.98	101	61440	19.661	ug/l	97
8) Diethyl Ether	3.37	74	19977	20.432	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31257	21.993	ug/l	99
10) Methyl Iodide	3.91	142	28386	14.956	ug/l	100
11) Tert butyl alcohol	4.73	59	25806	108.116	ug/l	98
12) 1,1-Dichloroethene	3.70	96	30992	20.524	ug/l	98
13) Acrolein	3.57	56	14913	140.674	ug/l	99
14) Allyl chloride	4.27	41	40158	20.347	ug/l	100
15) Acrylonitrile	4.93	53	70184	107.387	ug/l	100
16) Acetone	3.78	43	56313	90.322	ug/l	97
17) Carbon Disulfide	4.01	76	89998	25.672	ug/l	100
18) Methyl Acetate	4.28	43	32907	20.642	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	99314	19.438	ug/l	98
20) Methylene Chloride	4.50	84	36619	16.931	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	34655	20.291	ug/l	95
22) Diisopropyl ether	5.90	45	90568	20.878	ug/l	96
23) Vinyl Acetate	5.84	43	357703	103.612	ug/l	99
24) 1,1-Dichloroethane	5.80	63	59326	21.421	ug/l	99
25) 2-Butanone	6.79	43	85481	102.637	ug/l	96
26) 2,2-Dichloropropane	6.78	77	50926	20.288	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	40341	20.997	ug/l	100
28) Bromochloromethane	7.15	49	26482	21.886	ug/l	98
29) Tetrahydrofuran	7.17	42	56105	102.388	ug/l	99
30) Chloroform	7.33	83	64248	21.124	ug/l	99
31) Cyclohexane	7.61	56	51402	20.804	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	53999	19.666	ug/l	99
36) 1,1-Dichloropropene	7.75	75	47094	20.341	ug/l	98
37) Ethyl Acetate	6.88	43	36516	19.786	ug/l	100
38) Carbon Tetrachloride	7.73	117	46562	20.883	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51119	18.215	ug/l	97
40) Benzene	8.00	78	142183	19.955	ug/l	99
41) Methacrylonitrile	7.17	41	53144	62.871	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	48945	20.434	ug/l	99
43) Isopropyl Acetate	8.13	43	62098	18.757	ug/l #	90
44) Trichloroethene	8.80	130	38033	17.916	ug/l	93
45) 1,2-Dichloropropane	9.08	63	35060	20.589	ug/l	99
46) Dibromomethane	9.18	93	25093	19.453	ug/l	97
47) Bromodichloromethane	9.37	83	50390	19.714	ug/l	98
48) Methyl methacrylate	9.17	41	27419	18.341	ug/l	98
49) 1,4-Dioxane	9.17	88	12953	515.387	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	183165	97.786	ug/l	99
52) Toluene	10.13	92	89145	19.234	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	53414	19.416	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	58847	19.810	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	36192	19.642	ug/l	99
56) Ethyl methacrylate	10.40	69	46551	18.227	ug/l	98
57) 1,3-Dichloropropane	10.68	76	60216	20.302	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	85301	79.439	ug/l	100
59) 2-Hexanone	10.72	43	130142	96.735	ug/l	99
60) Dibromochloromethane	10.87	129	39410	19.020	ug/l	98
61) 1,2-Dibromoethane	10.98	107	37071	19.373	ug/l	100
64) Tetrachloroethene	10.60	164	32296	15.119	ug/l	93
65) Chlorobenzene	11.41	112	99256	19.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35496	19.262	ug/l	98
67) Ethyl Benzene	11.48	91	167798	19.459	ug/l	99
68) m/p-Xylenes	11.60	106	131692	38.652	ug/l	100
69) o-Xylene	11.92	106	63388	19.564	ug/l	99
70) Styrene	11.94	104	104430	19.442	ug/l	100
71) Bromoform	12.10	173	25438	18.113	ug/l #	99
73) Isopropylbenzene	12.22	105	164197	19.798	ug/l	100
74) N-amyl acetate	12.05	43	50097	19.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	51087	21.646	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	61211	29.469	ug/l #	100
77) Bromobenzene	12.50	156	39655	18.908	ug/l	99
78) n-propylbenzene	12.57	91	182597	19.679	ug/l	98
79) 2-Chlorotoluene	12.65	91	110454	19.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	134941	19.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	15625	19.367	ug/l	97
82) 4-Chlorotoluene	12.75	91	114401	19.691	ug/l	100
83) tert-Butylbenzene	12.97	119	112714	18.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	136577	19.862	ug/l	99
85) sec-Butylbenzene	13.15	105	148616	18.942	ug/l	99
86) p-Isopropyltoluene	13.26	119	132963	18.454	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	72703	19.438	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	71716	18.843	ug/l	97
89) n-Butylbenzene	13.59	91	105647	17.558	ug/l	99
90) Hexachloroethane	13.85	117	24109	27.546	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	70808	19.782	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8800	18.751	ug/l	97

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QLast Update : Wed Jun 17 00:50:55 2020
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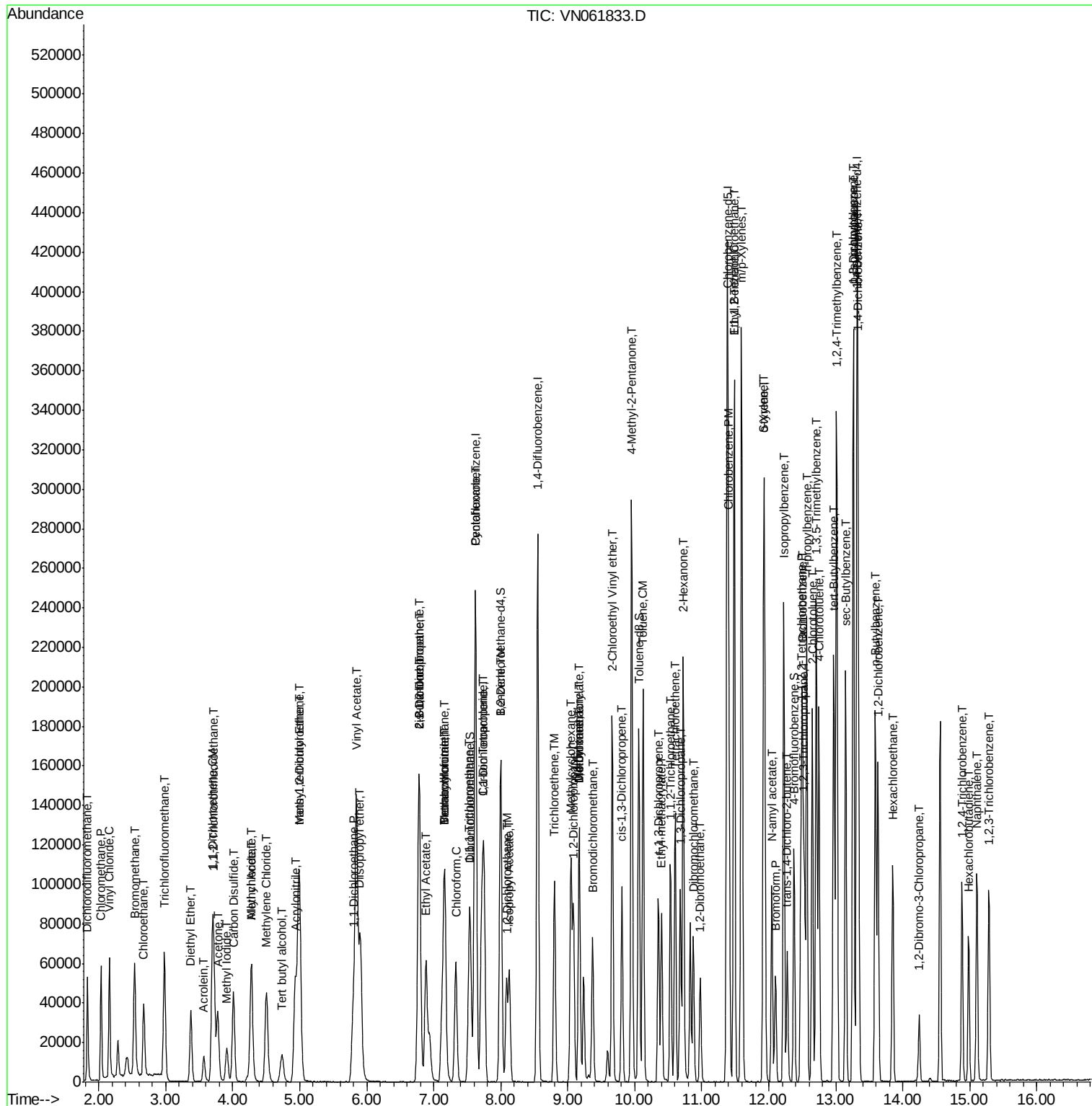
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	31848	15.727	ug/l	99
94) Hexachlorobutadiene	14.99	225	11955	13.881	ug/l	93
95) Naphthalene	15.10	128	93573	15.370	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	32879	16.509	ug/l	98

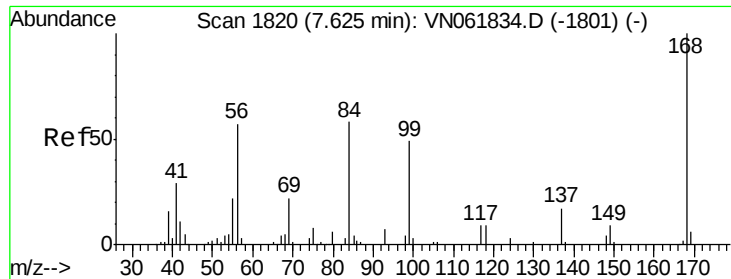
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

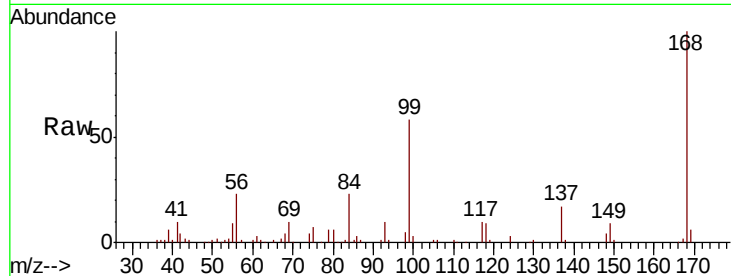
VSTDIC020

Tot Ion:168 Resp: 145908

Ion Ratio Lower Upper

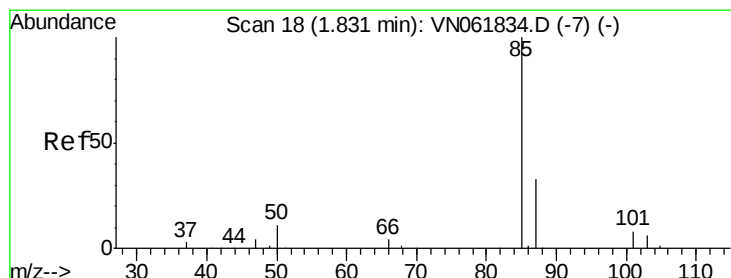
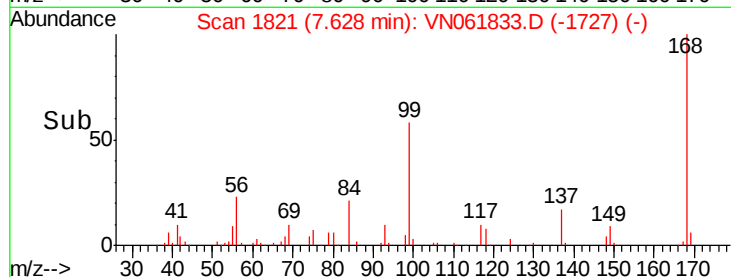
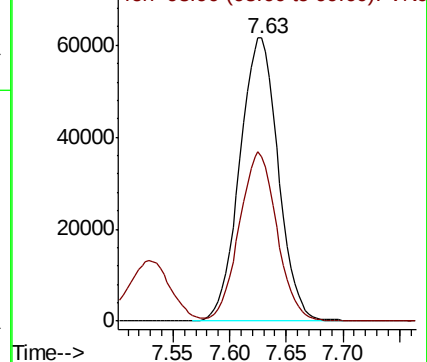
168 100

99 58.3 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 25.661 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061833.D

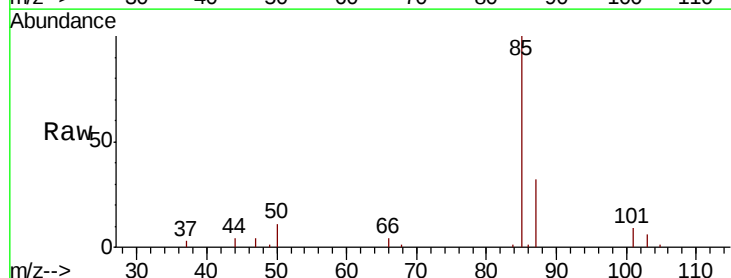
Acq: 16 Jun 2020 18:14

Tgt Ion: 85 Resp: 40385

Ion Ratio Lower Upper

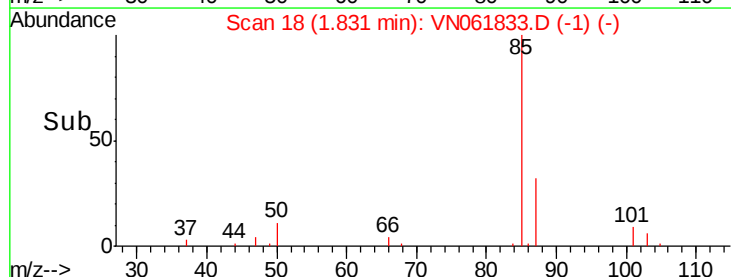
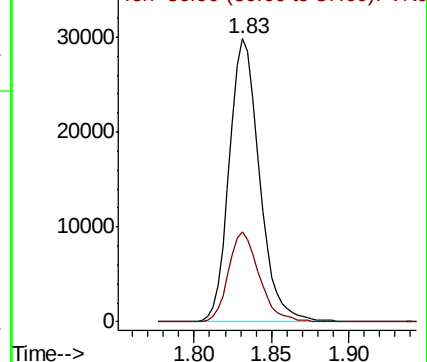
85 100

87 31.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 24.277 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

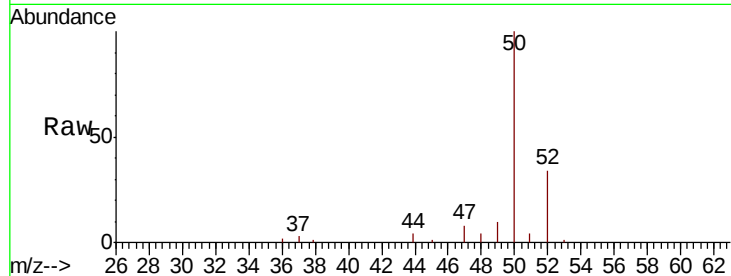
VSTDIC020

Tot Ion: 50 Resp: 44481

Ion Ratio Lower Upper

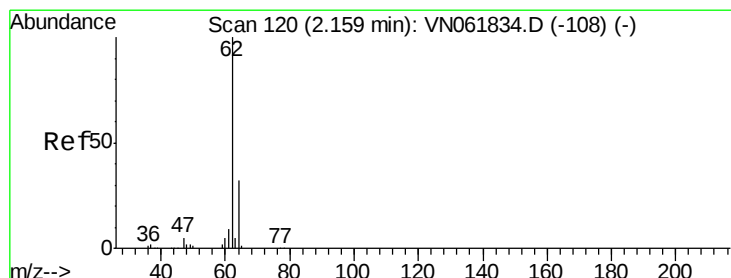
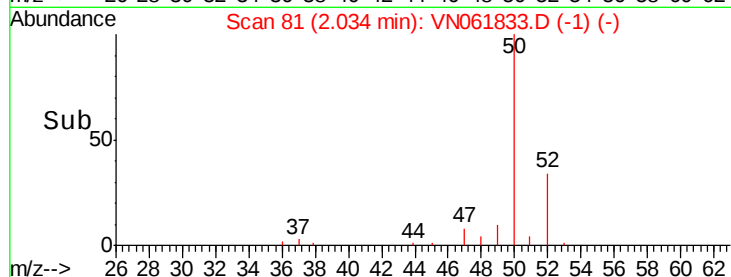
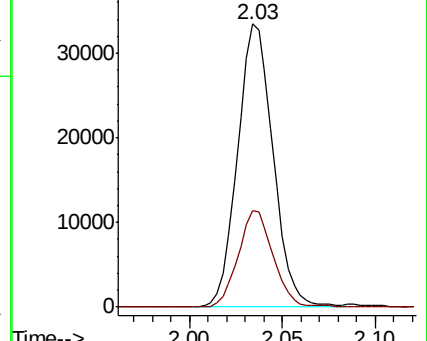
50 100

52 34.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN061833.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN061833.D (-71) (-)



#4

Vinyl Chloride

Concen: 21.602 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061833.D

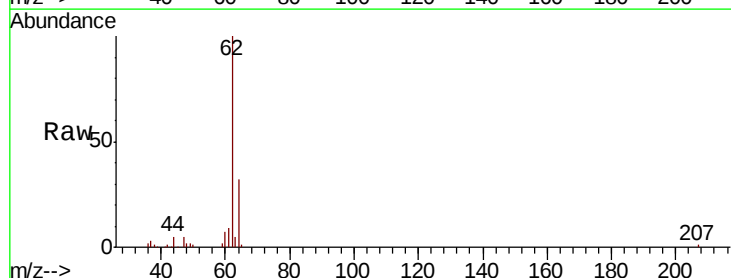
Acq: 16 Jun 2020 18:14

Tgt Ion: 62 Resp: 53038

Ion Ratio Lower Upper

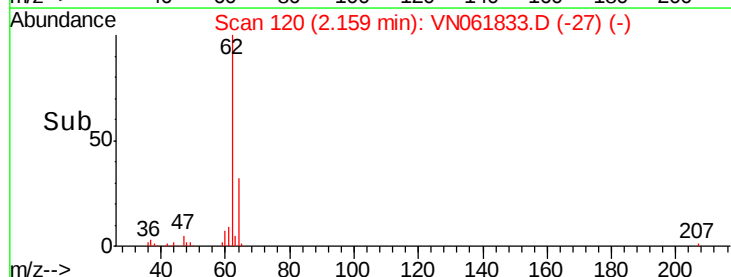
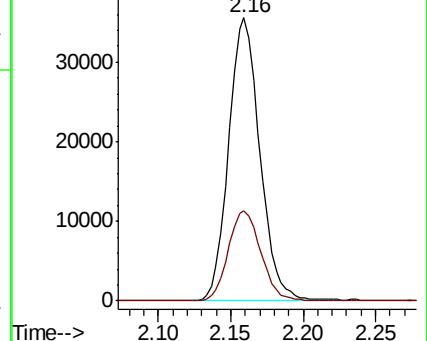
62 100

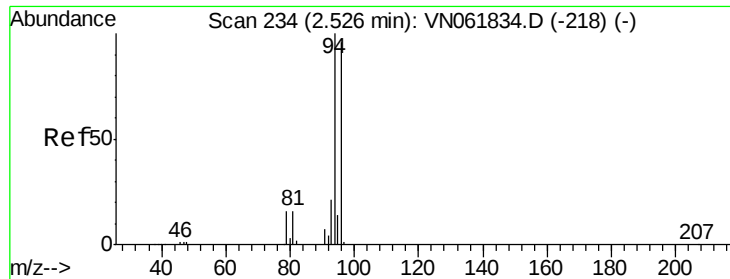
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN061833.D (-108) (-)

Ion 63.90 (63.60 to 64.60): VN061833.D (-108) (-)





#5

Bromomethane

Concen: 27.449 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

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ClientSampleId :

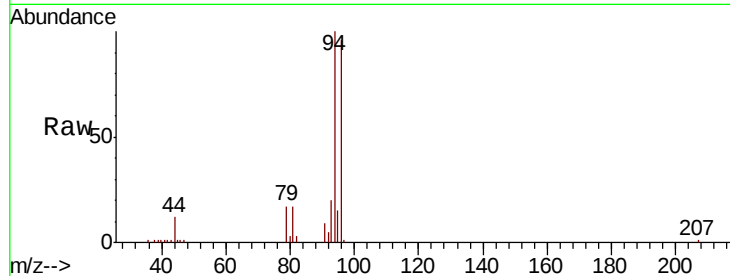
VSTDIC020

Tot Ion: 94 Resp: 40455

Ion Ratio Lower Upper

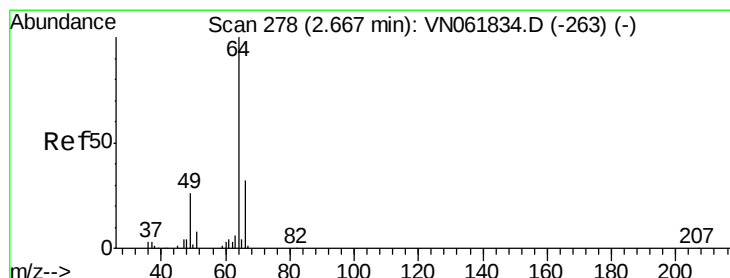
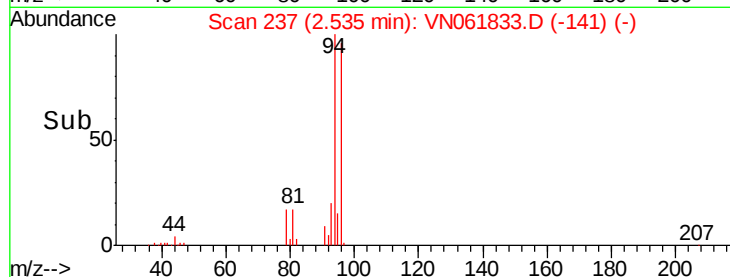
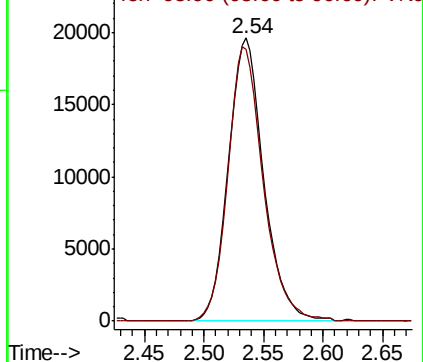
94 100

96 95.9 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.273 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061833.D

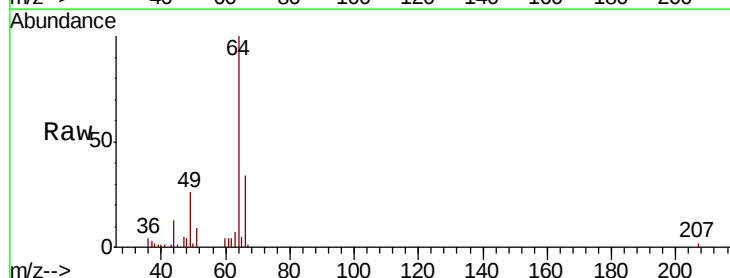
Acq: 16 Jun 2020 18:14

Tgt Ion: 64 Resp: 33921

Ion Ratio Lower Upper

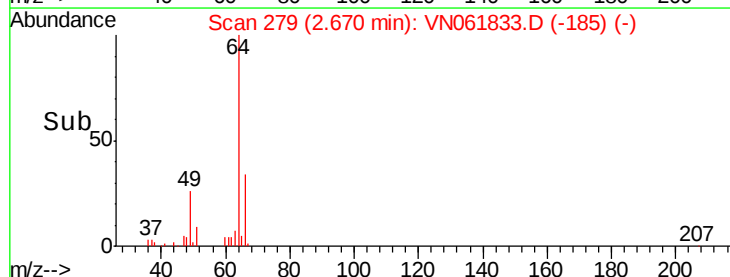
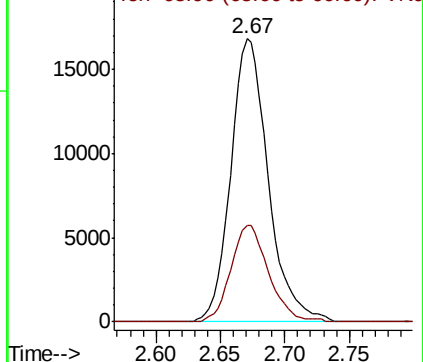
64 100

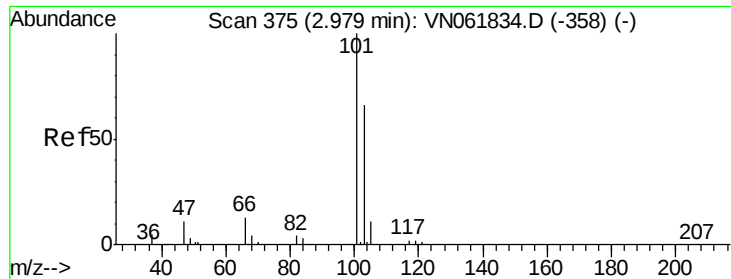
66 34.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



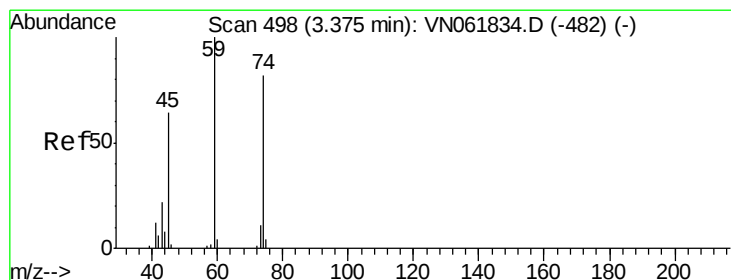
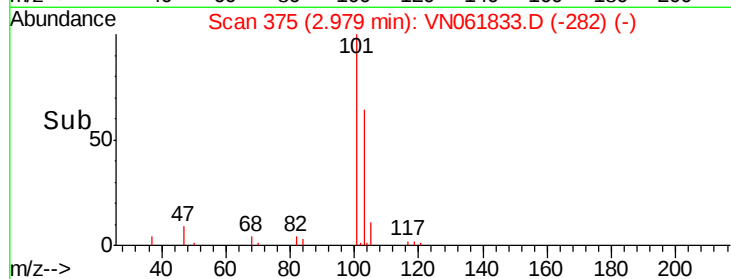
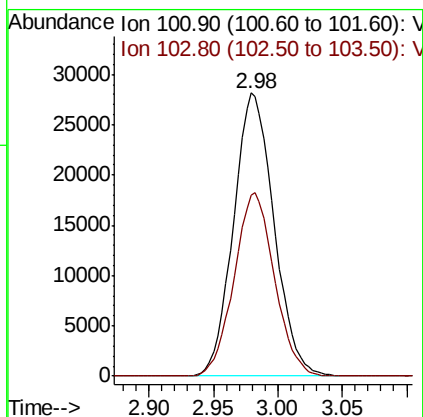
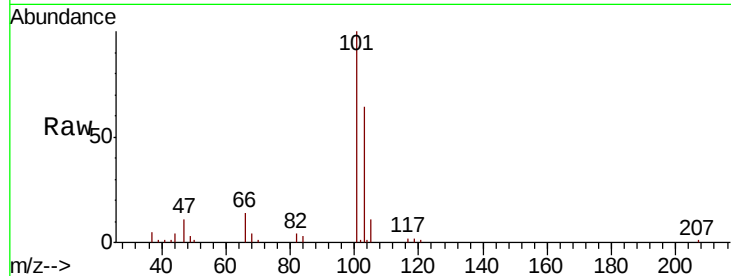


#7

Trichlorofluoromethane
 Concen: 19.661 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

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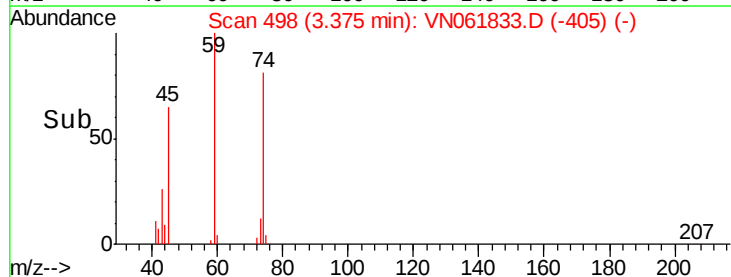
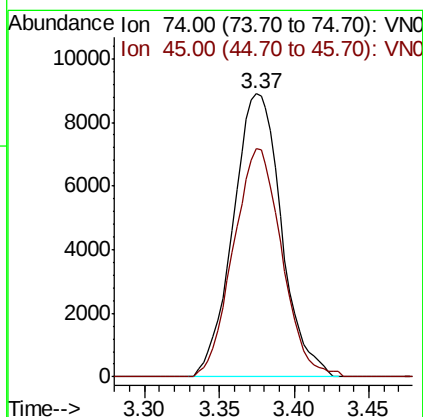
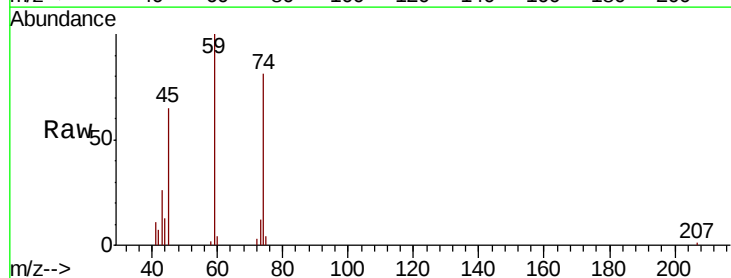
Tot Ion:101 Resp: 61440
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.8 79.2

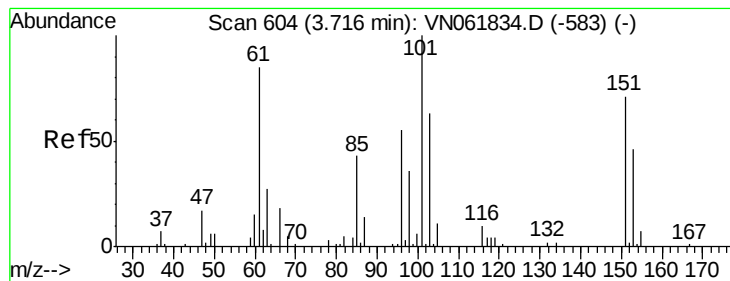


#8

Diethyl Ether
 Concen: 20.432 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 74 Resp: 19977
 Ion Ratio Lower Upper
 74 100
 45 80.9 39.1 117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.993 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

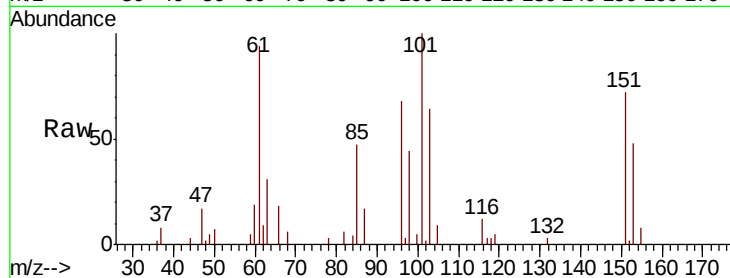
Tot Ion:101 Resp: 31257

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

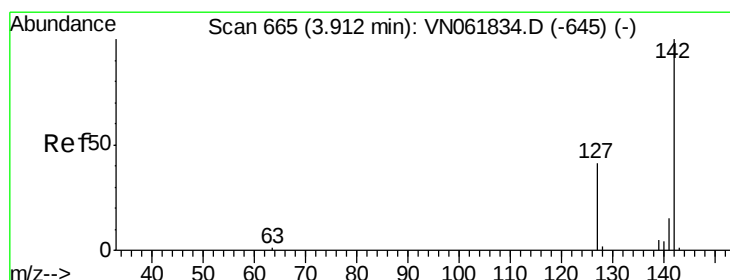
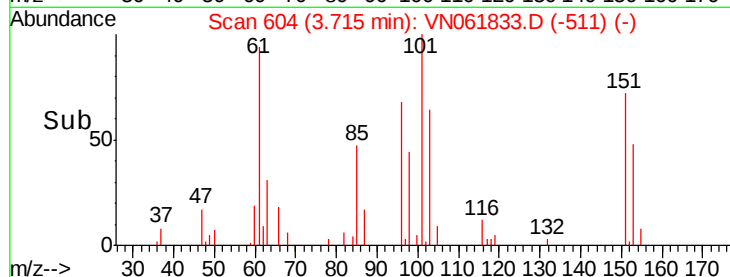
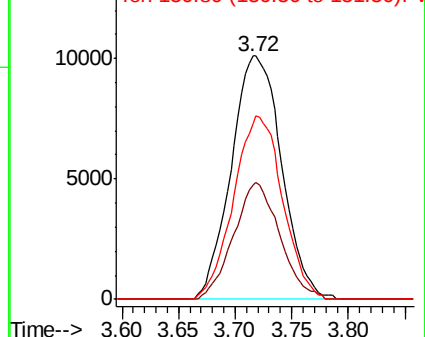
151 73.2 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.956 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

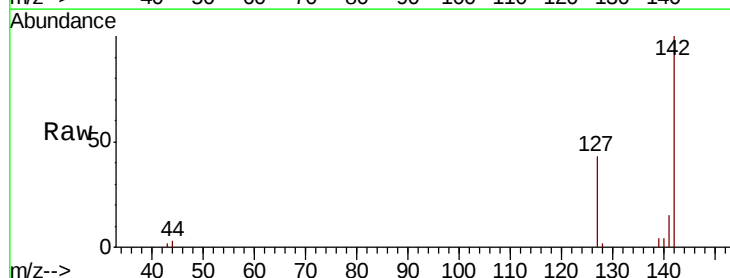
Tgt Ion:142 Resp: 28386

Ion Ratio Lower Upper

142 100

127 41.6 33.4 50.0

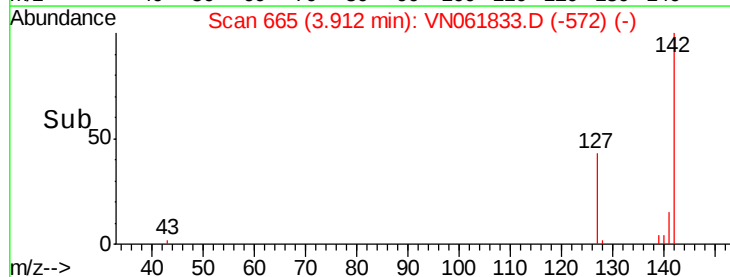
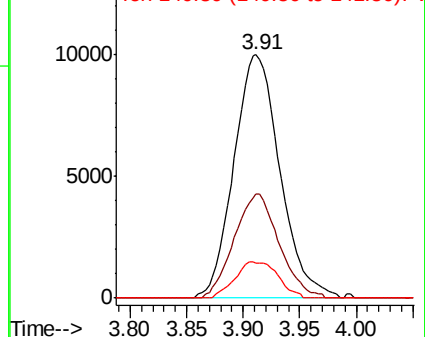
141 13.9 11.3 16.9

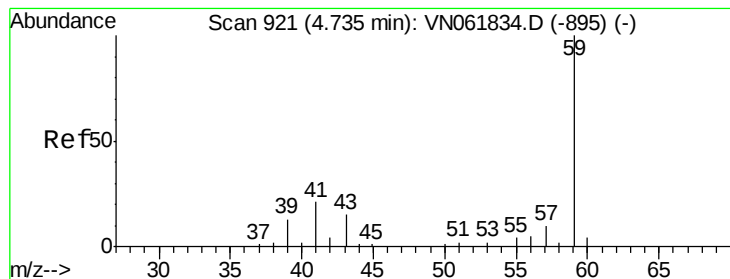


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



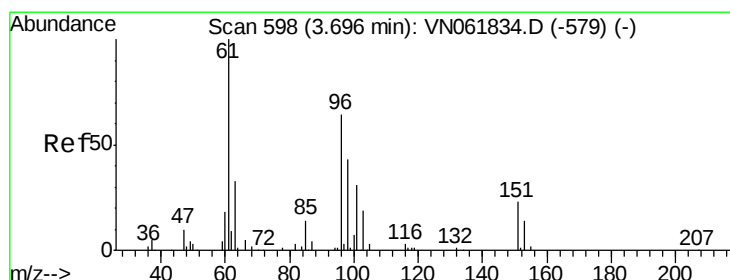
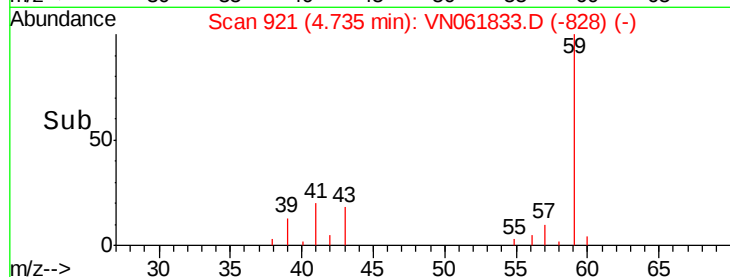
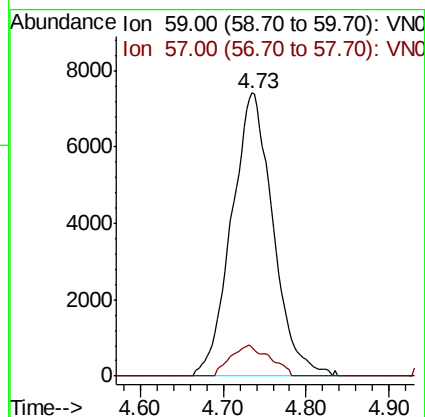
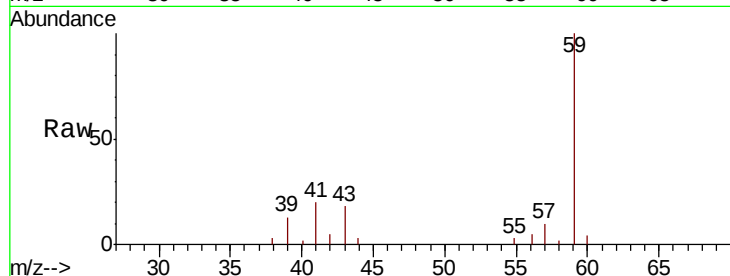


#11

Tert butyl alcohol
 Concen: 108.116 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

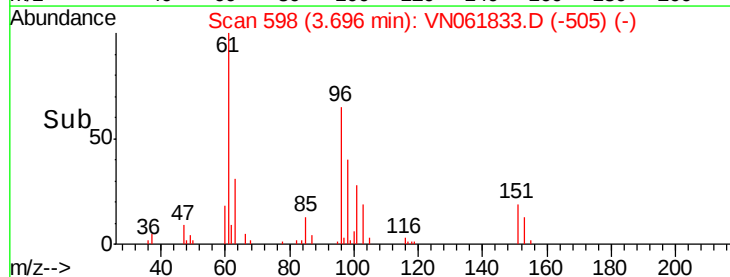
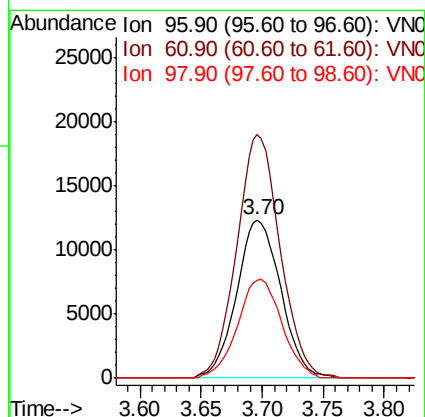
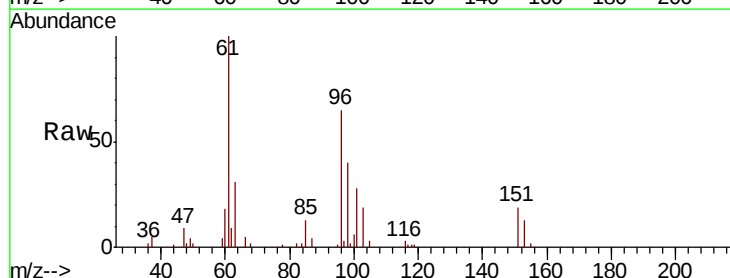
Tot Ion: 59 Resp: 25806
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.7 11.5

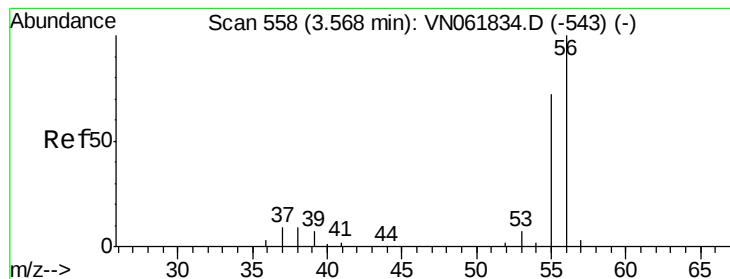


#12

1,1-Dichloroethene
 Concen: 20.524 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 96 Resp: 30992
 Ion Ratio Lower Upper
 96 100
 61 154.2 124.3 186.5
 98 61.8 53.1 79.7





#13

Acrolein

Concen: 140.674 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

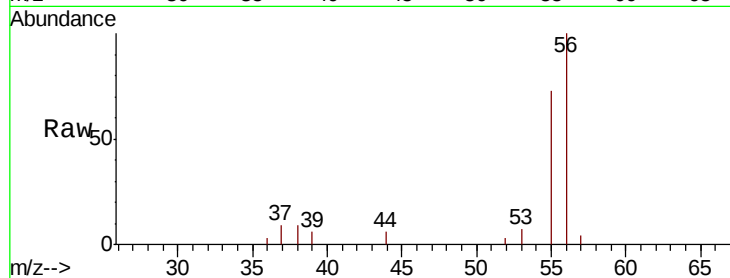
VSTDIC020

Tot Ion: 56 Resp: 14913

Ion Ratio Lower Upper

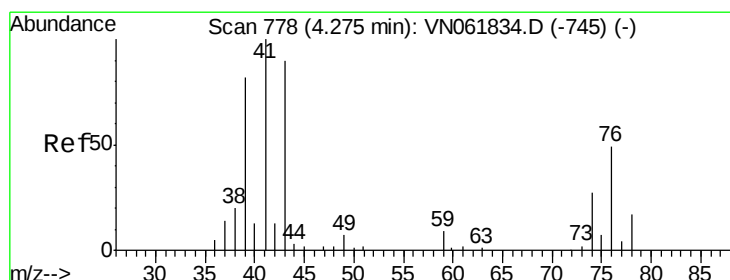
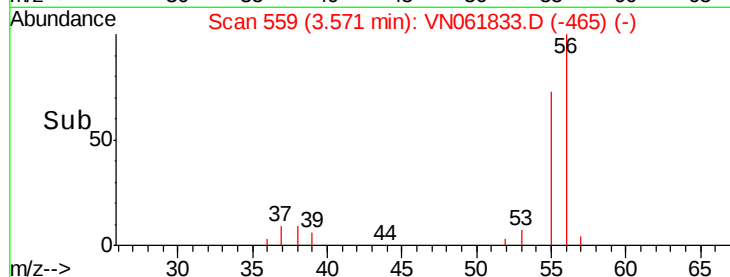
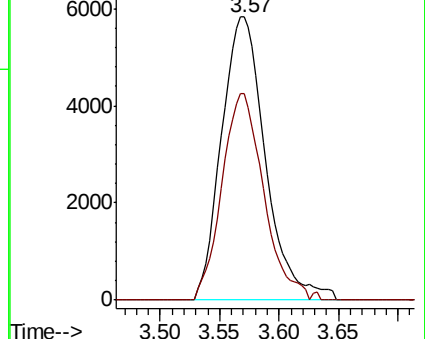
56 100

55 69.1 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN061833.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061833.D (-543) (-)



#14

Allyl chloride

Concen: 20.347 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

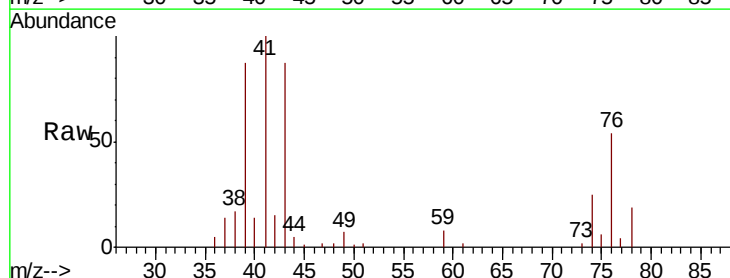
Tgt Ion: 41 Resp: 40158

Ion Ratio Lower Upper

41 100

39 75.3 60.2 90.2

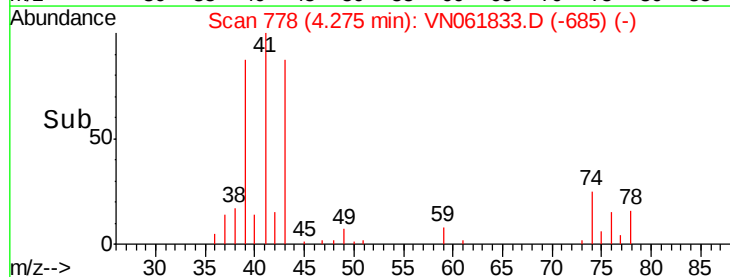
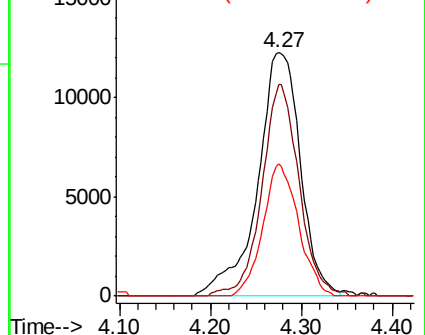
76 45.1 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN061833.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061833.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061833.D (-745) (-)





#15

Acrylonitrile

Concen: 107.387 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

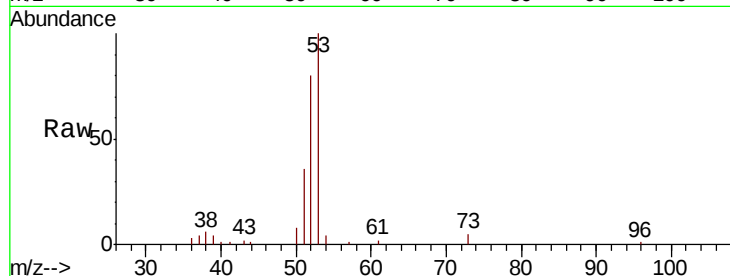
Tot Ion: 53 Resp: 70184

Ion Ratio Lower Upper

53 100

52 81.6 65.2 97.8

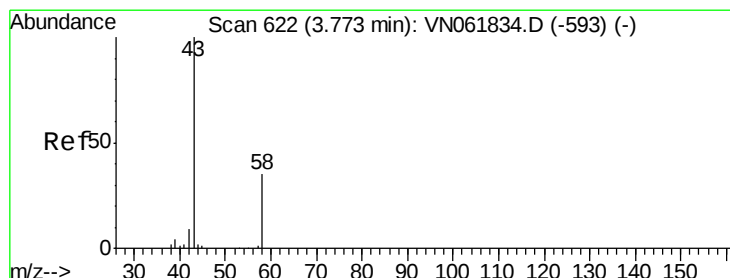
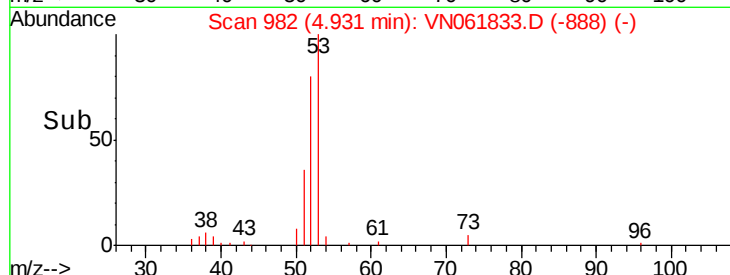
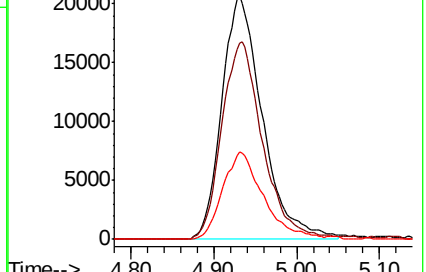
51 36.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN061833.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN061833.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN061833.D (-960) (-)



#16

Acetone

Concen: 90.322 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061833.D

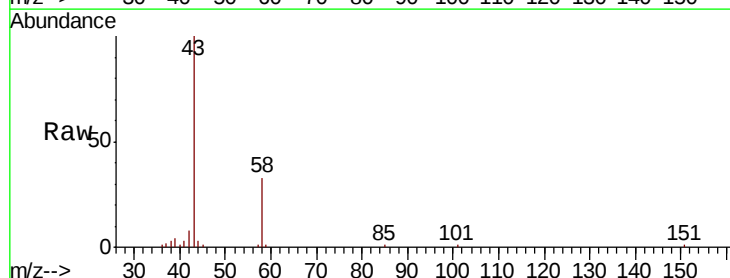
Acq: 16 Jun 2020 18:14

Tgt Ion: 43 Resp: 56313

Ion Ratio Lower Upper

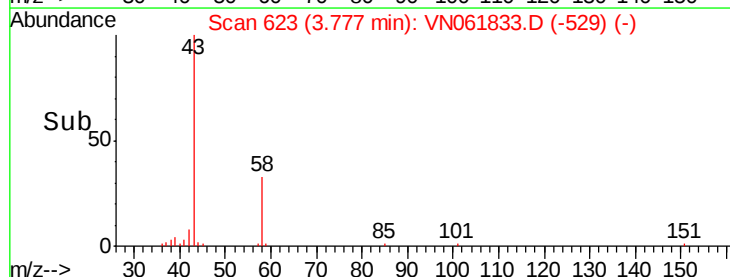
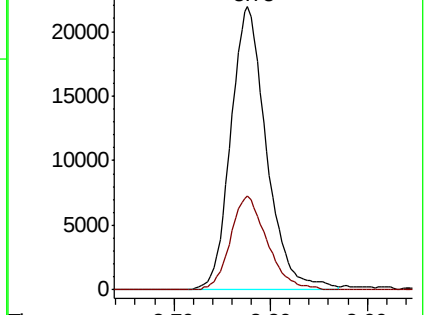
43 100

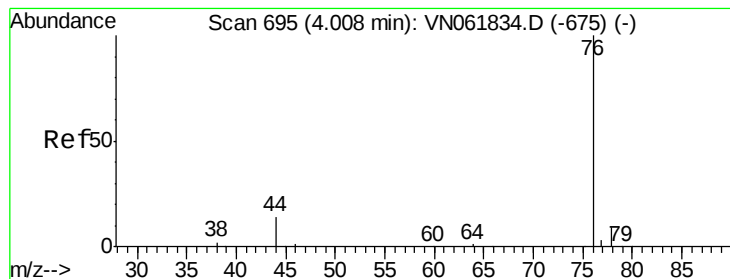
58 33.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061833.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061833.D (-593) (-)





#17

Carbon Disulfide

Concen: 25.672 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

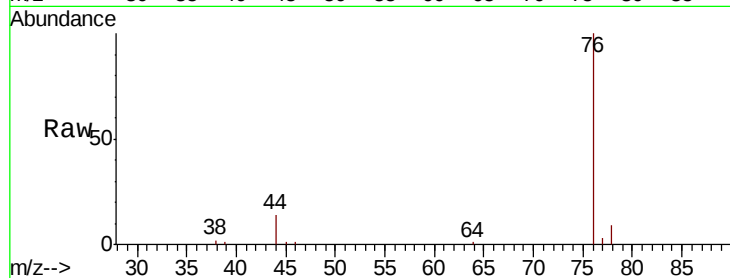
VSTDIC020

Tot Ion: 76 Resp: 89998

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN061833.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061833.D (-675) (-)

4.01

30000

20000

10000

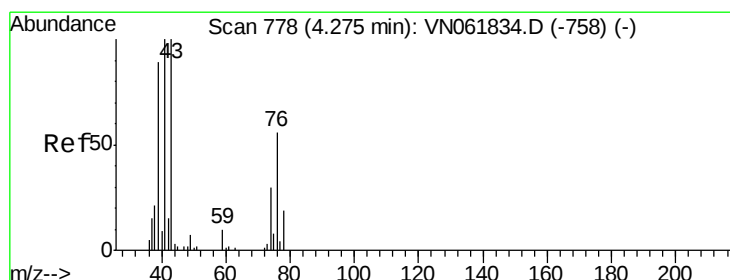
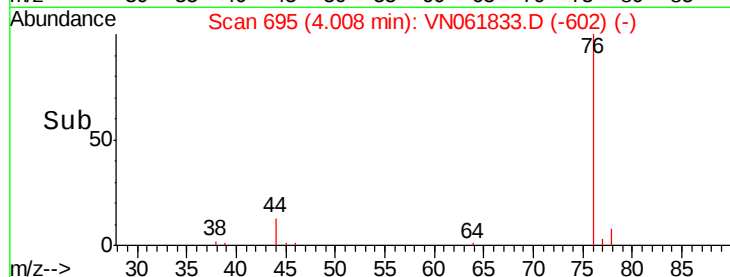
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 20.642 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN061833.D

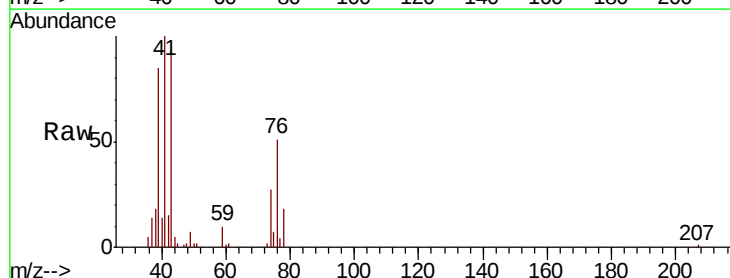
Acq: 16 Jun 2020 18:14

Tgt Ion: 43 Resp: 32907

Ion Ratio Lower Upper

43 100

74 29.0 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN061833.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061833.D (-758) (-)

4.28

12000

10000

8000

6000

4000

2000

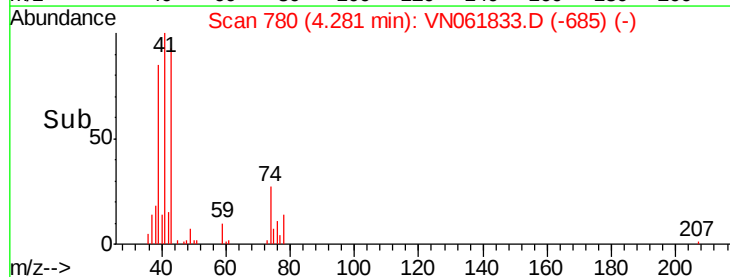
0

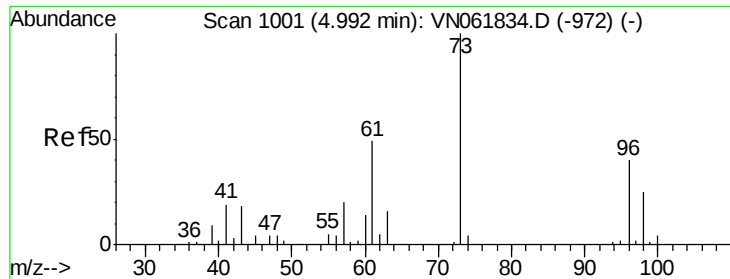
Time-->

4.20

4.30

4.40



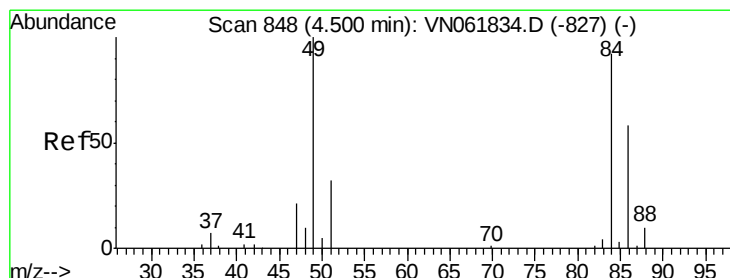
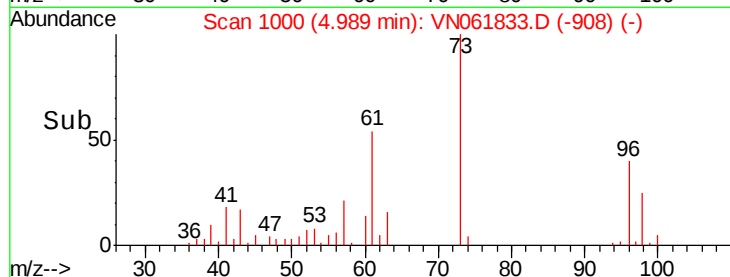
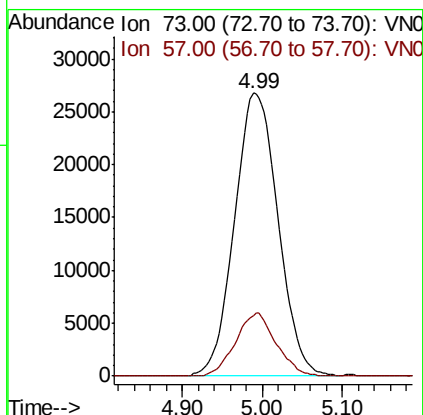
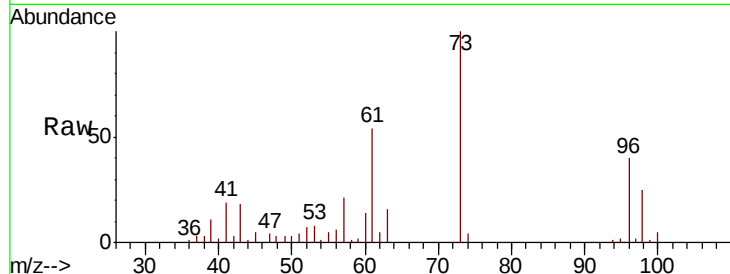


#19

Methyl tert-butyl Ether
 Concen: 19.438 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

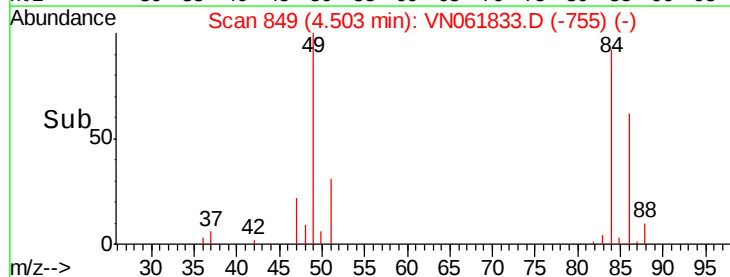
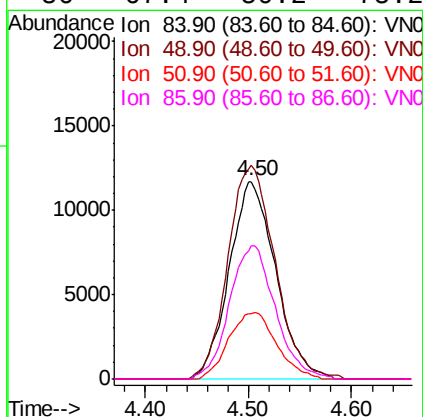
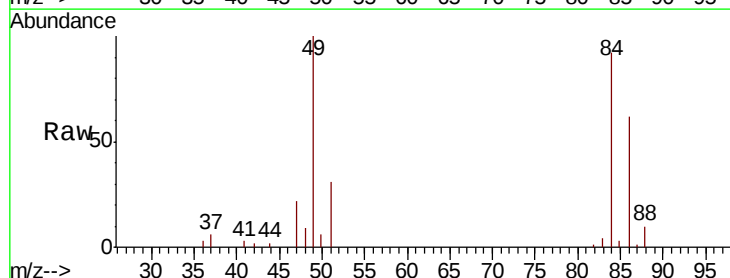
Tot Ion: 73 Resp: 99314
 Ion Ratio Lower Upper
 73 100
 57 21.4 16.2 24.4

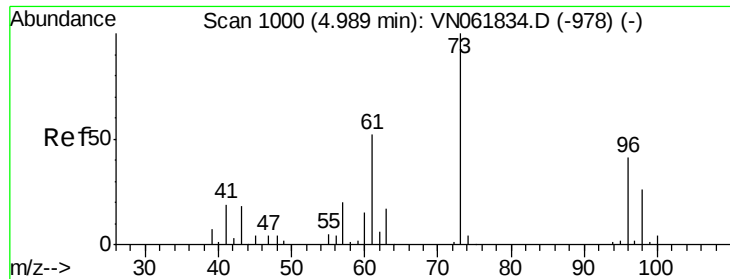


#20

Methylene Chloride
 Concen: 16.931 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 84 Resp: 36619
 Ion Ratio Lower Upper
 84 100
 49 108.1 87.0 130.4
 51 33.1 27.8 41.6
 86 67.4 50.2 75.2

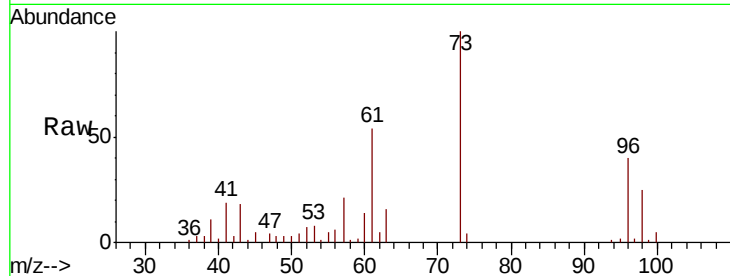




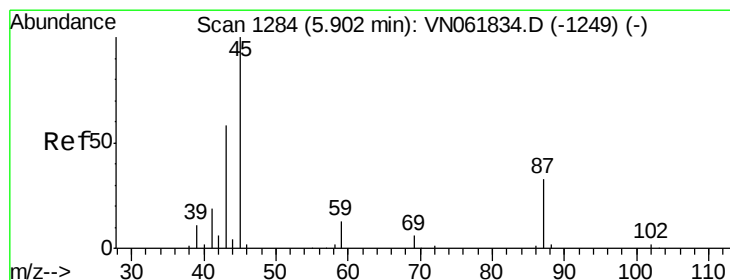
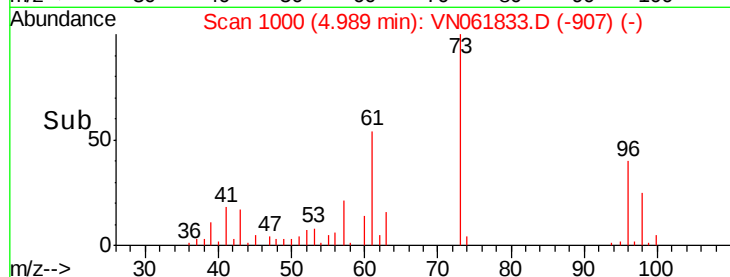
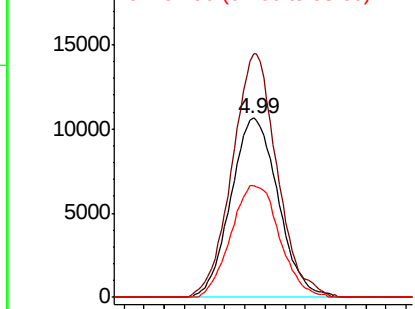
#21
trans-1,2-Dichloroethene
Concen: 20.291 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 34655
Ion Ratio Lower Upper
96 100
61 135.5 102.2 153.4
98 62.5 51.2 76.8

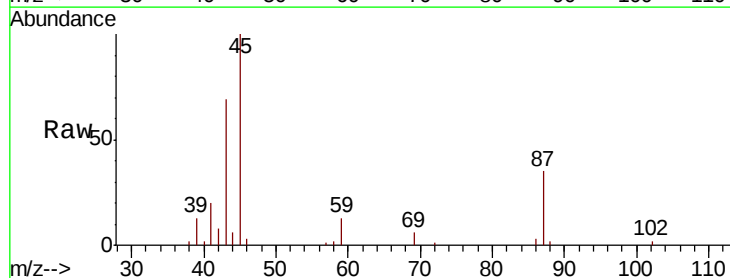


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

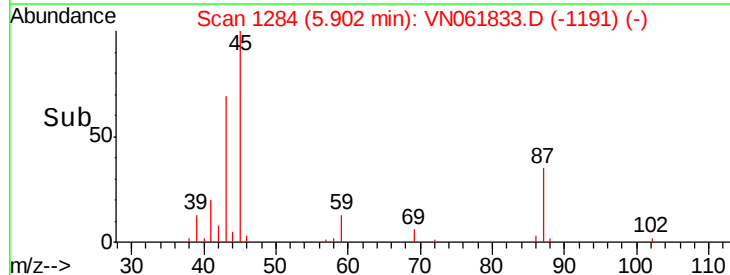
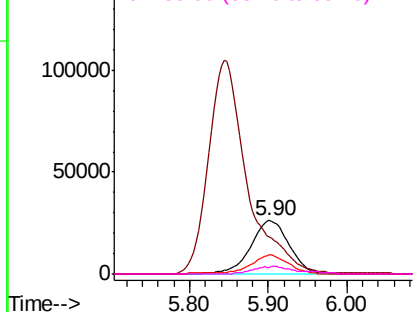


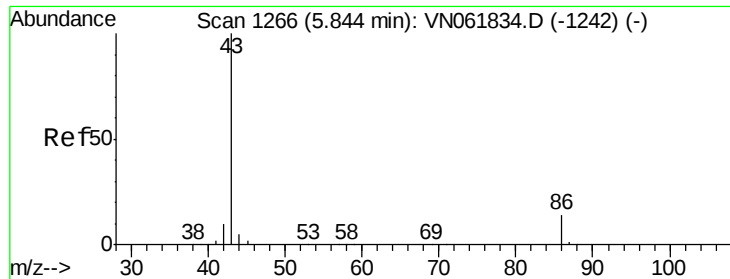
#22
Diisopropyl ether
Concen: 20.878 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 45 Resp: 90568
Ion Ratio Lower Upper
45 100
43 66.6 49.4 74.2
87 35.2 27.4 41.0
59 13.3 10.6 15.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.612 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

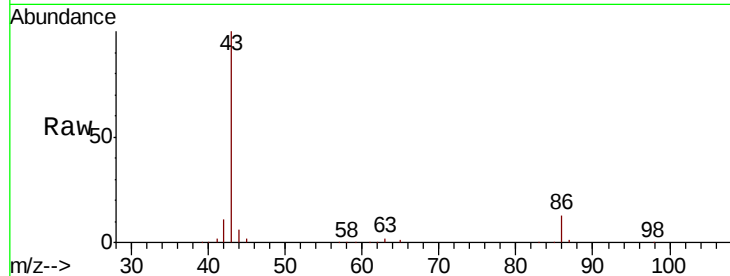
VSTDIC020

Tot Ion: 43 Resp: 357703

Ion Ratio Lower Upper

43 100

86 13.2 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN061833.D (-1242) (-)

Ion 86.00 (85.70 to 86.70): VN061833.D (-1242) (-)

5.84

120000

100000

80000

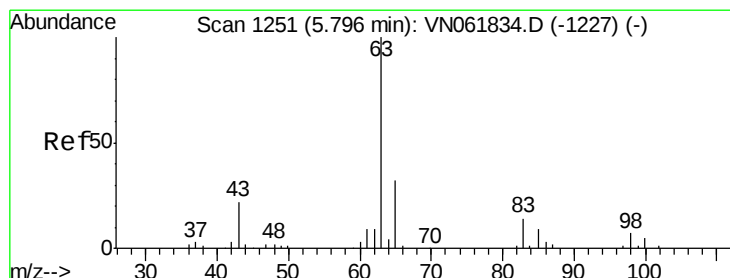
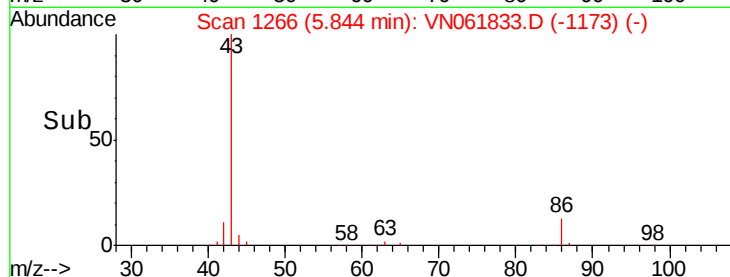
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.421 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

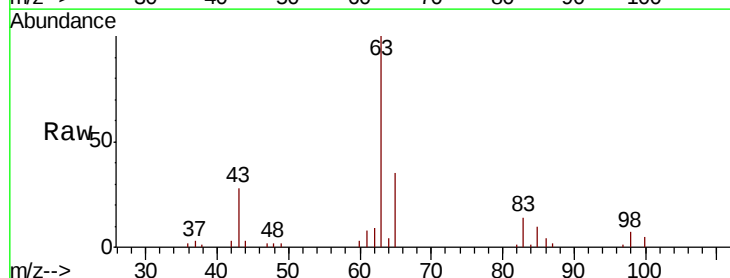
Tgt Ion: 63 Resp: 59326

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN061833.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061833.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061833.D (-1158) (-)

5.80

25000

20000

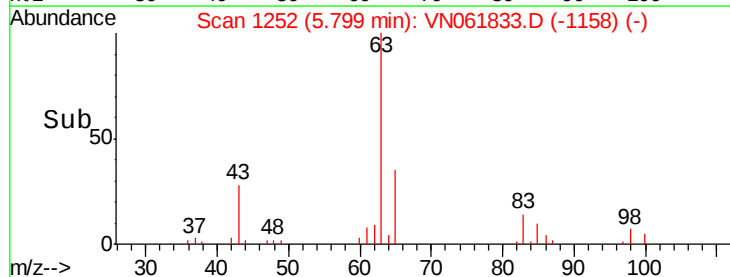
15000

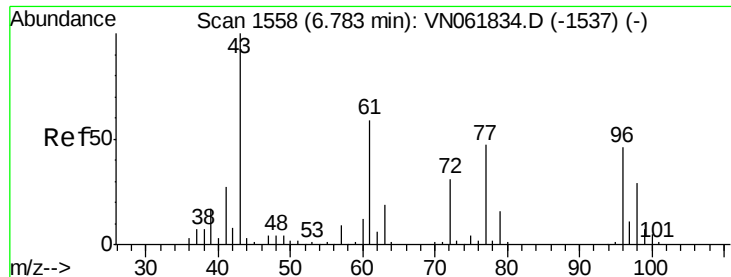
10000

5000

0

Time-->

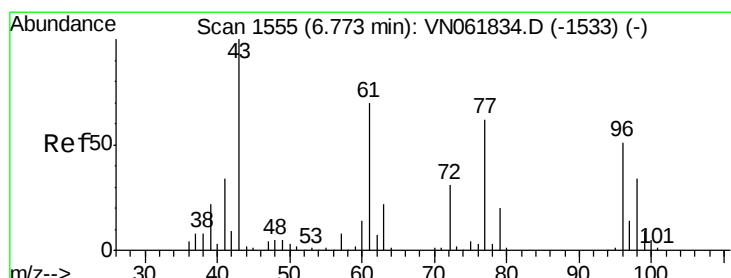
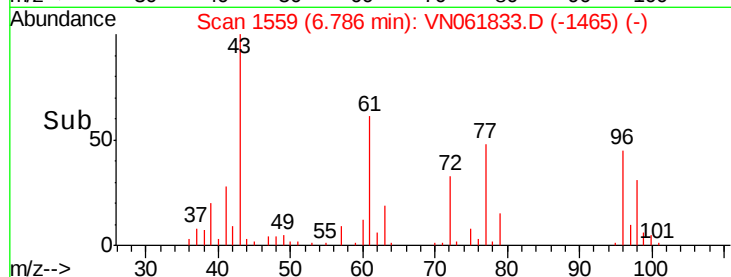
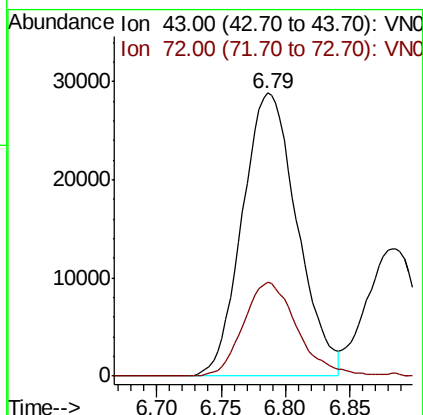
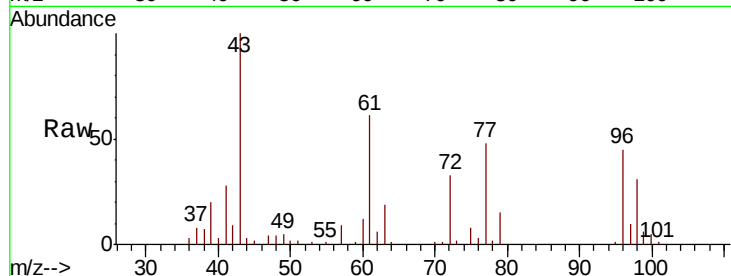




#25
2-Butanone
Concen: 102.637 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

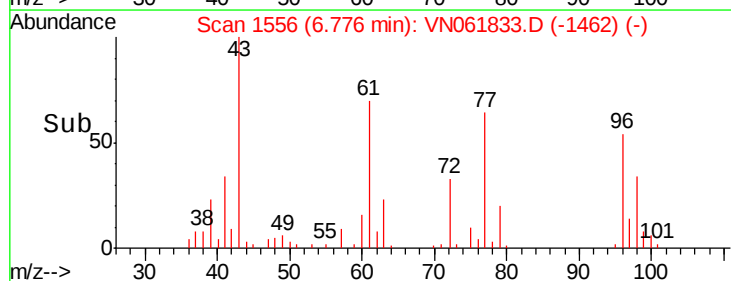
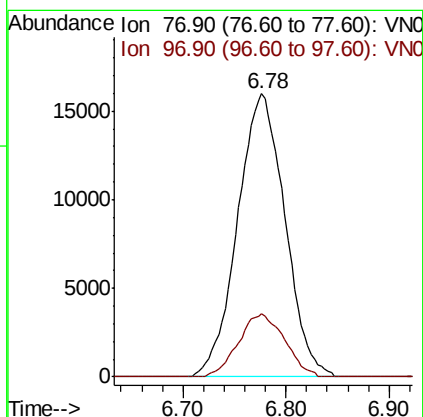
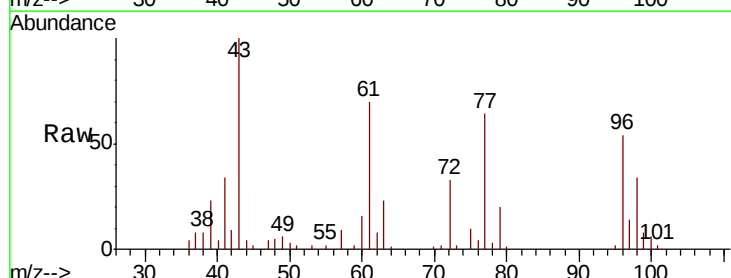
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

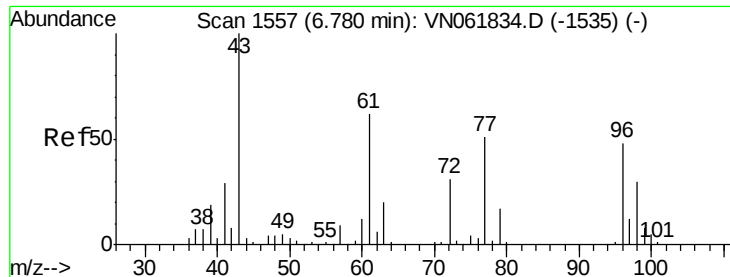
Tot Ion: 43 Resp: 85481
Ion Ratio Lower Upper
43 100
72 33.2 24.6 37.0



#26
2,2-Dichloropropane
Concen: 20.288 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 77 Resp: 50926
Ion Ratio Lower Upper
77 100
97 21.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.997 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

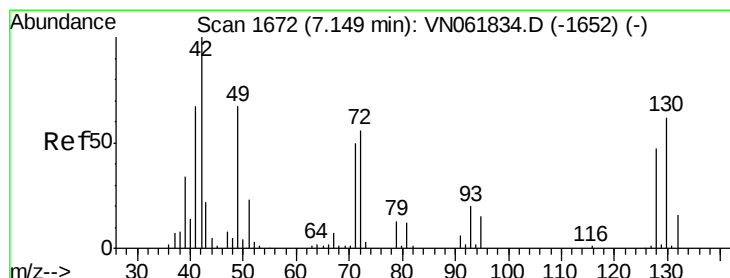
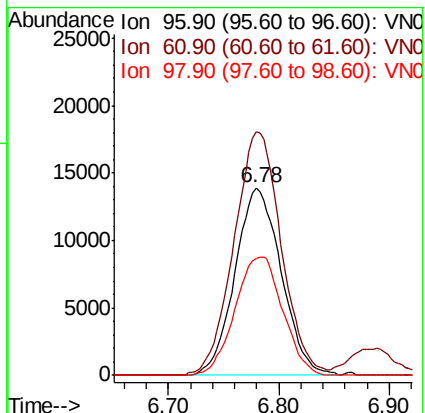
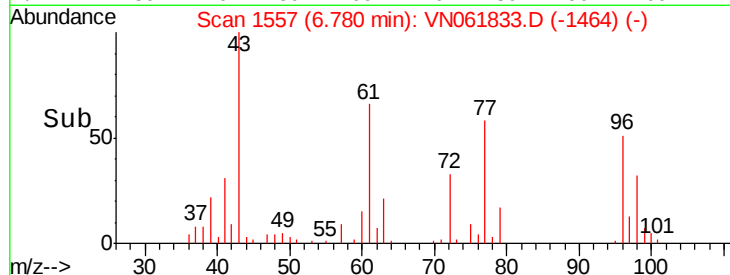
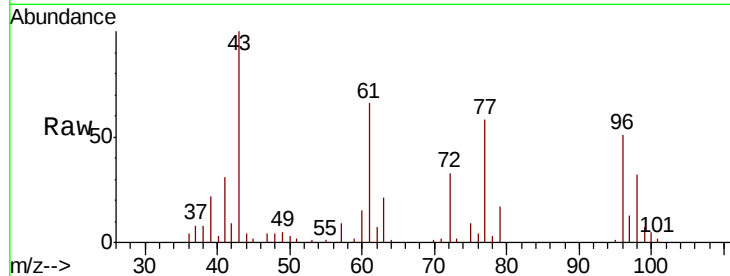
Tot Ion: 96 Resp: 40341

Ion Ratio Lower Upper

96 100

61 132.8 0.0 265.6

98 65.1 0.0 128.2



#28

Bromochloromethane

Concen: 21.886 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

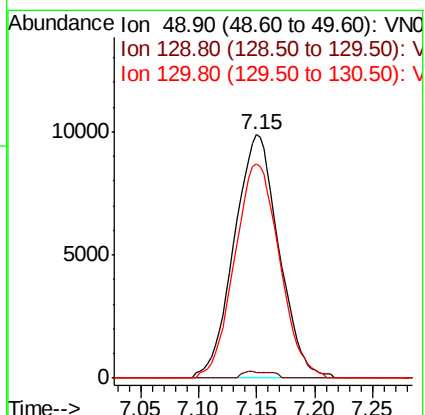
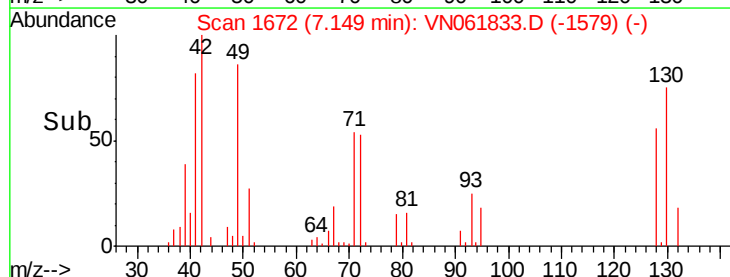
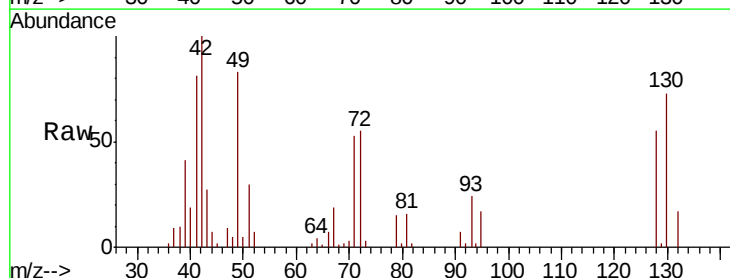
Tgt Ion: 49 Resp: 26482

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.0

130 88.4 72.2 108.2

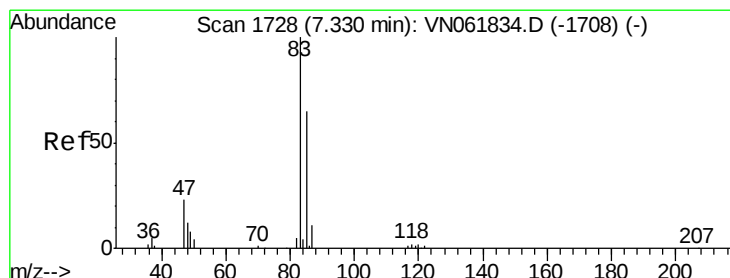
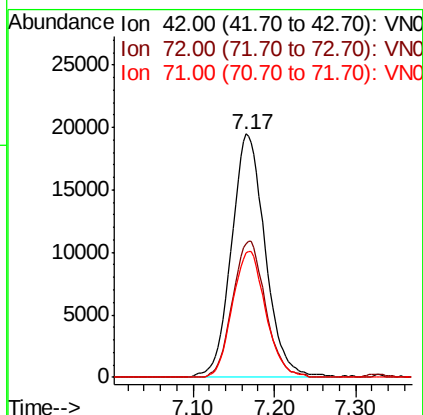
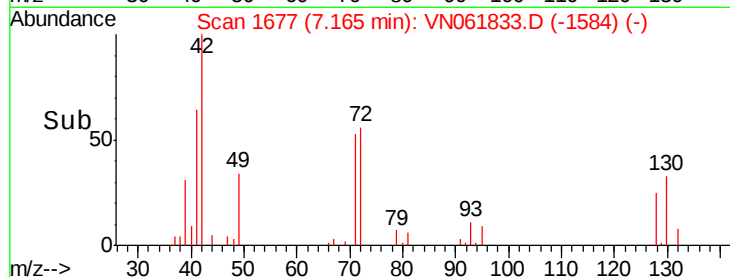
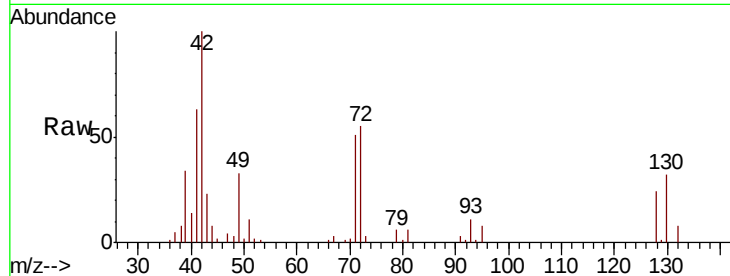




#29
Tetrahydrofuran
Concen: 102.388 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

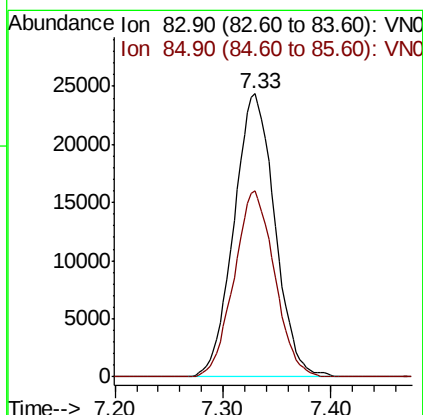
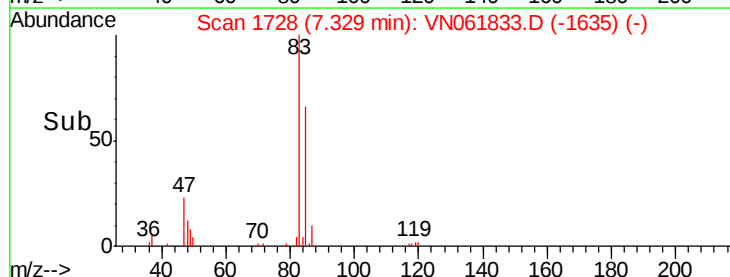
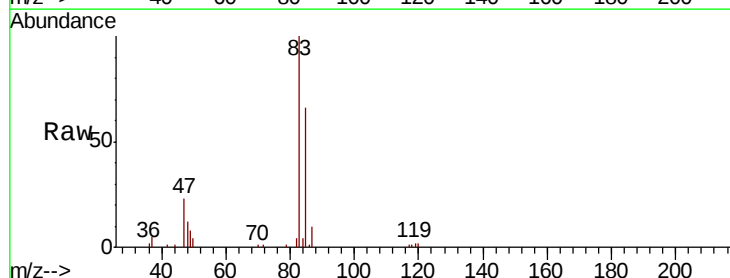
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

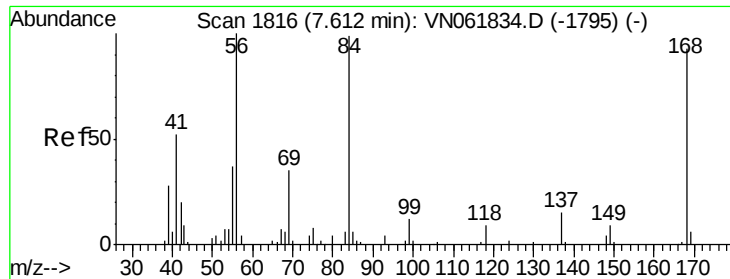
Tot Ion: 42 Resp: 56105
Ion Ratio Lower Upper
42 100
72 54.6 44.0 66.0
71 50.9 40.0 60.0



#30
Chloroform
Concen: 21.124 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 83 Resp: 64248
Ion Ratio Lower Upper
83 100
85 65.7 52.0 78.0

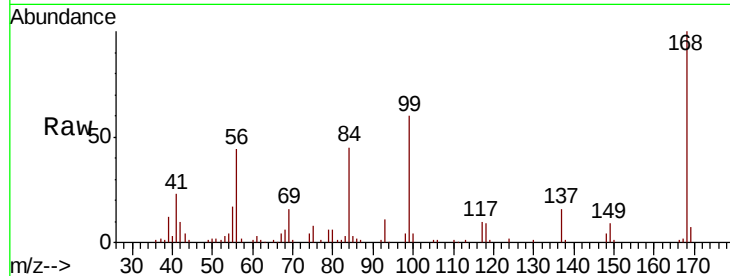




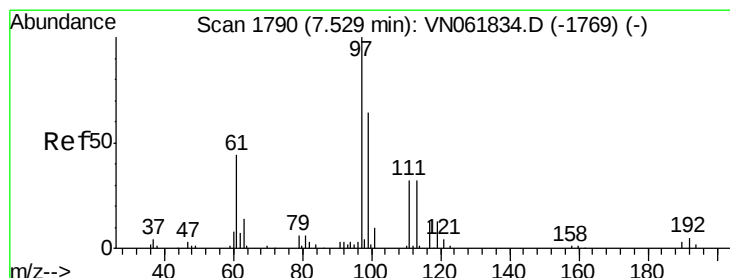
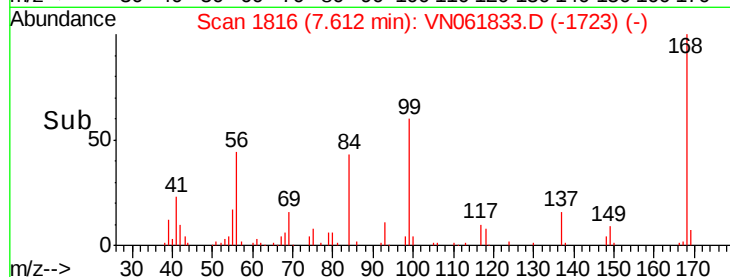
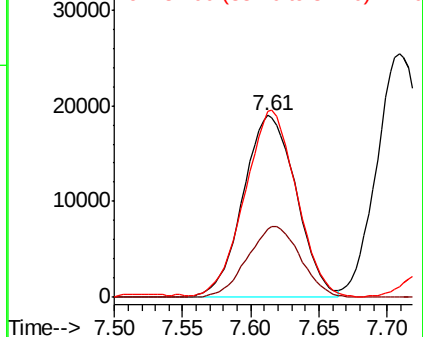
#31
Cyclohexane
Concen: 20.804 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 51402
Ion Ratio Lower Upper
56 100
69 37.6 27.7 41.5
84 101.2 79.1 118.7

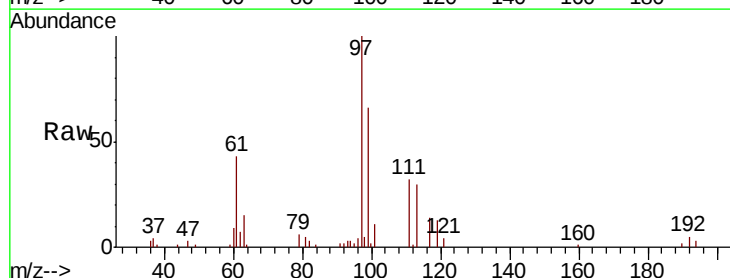


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

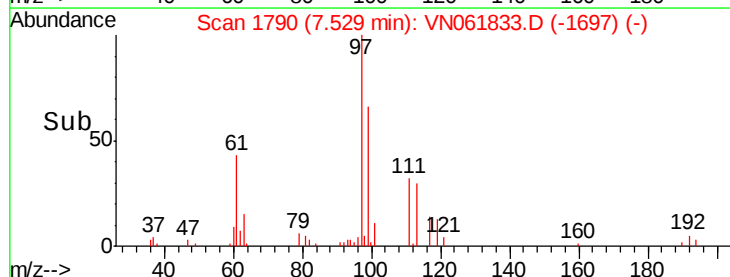
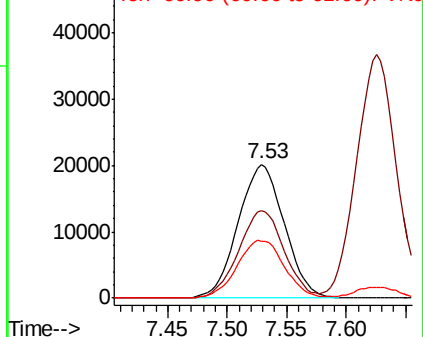


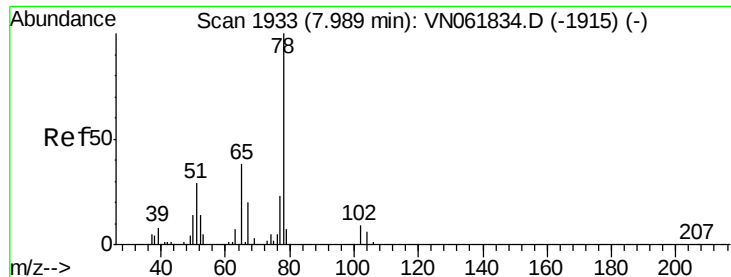
#32
1,1,1-Trichloroethane
Concen: 19.666 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 97 Resp: 53999
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 44.5 35.1 52.7



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: 22.735 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

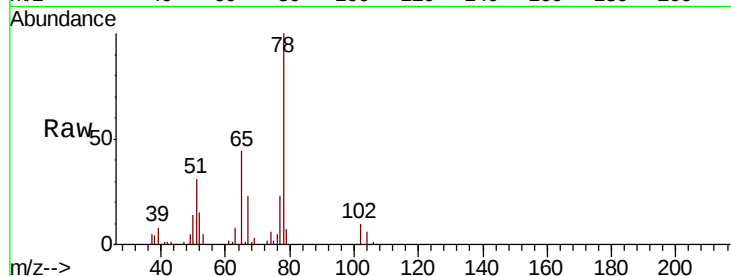
VSTDIC020

Tot Ion: 65 Resp: 40058

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061833.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061833.D (-1915) (-)

7.99

20000

15000

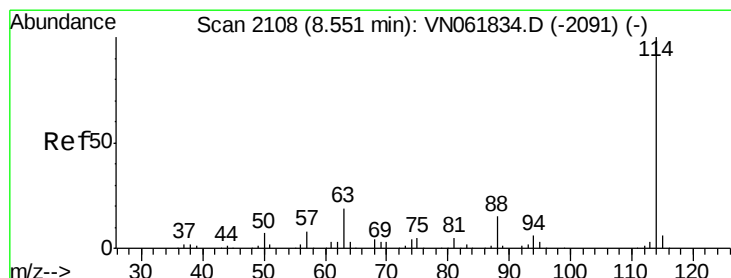
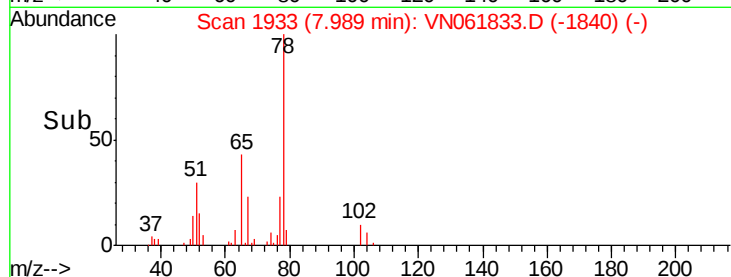
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

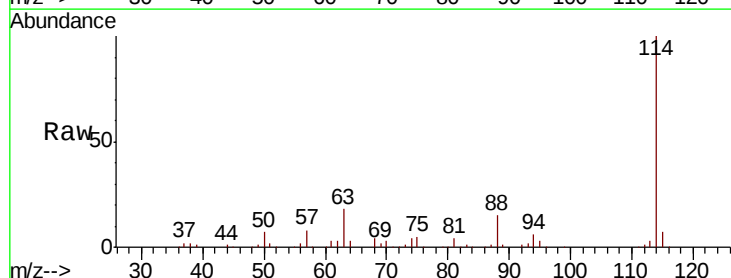
Tgt Ion: 114 Resp: 258608

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061833.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN061833.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061833.D (-2091) (-)

8.55

150000

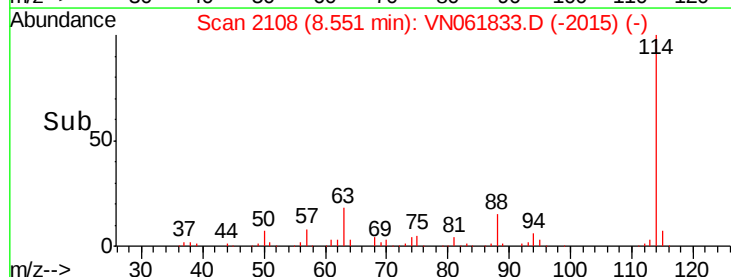
100000

50000

0

Time-->

8.50 8.55 8.60

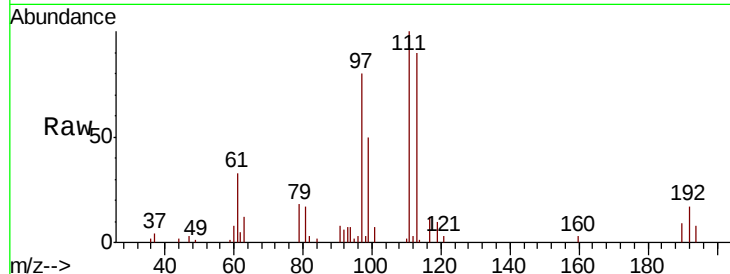




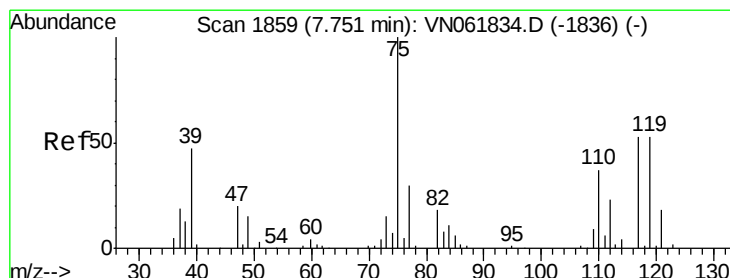
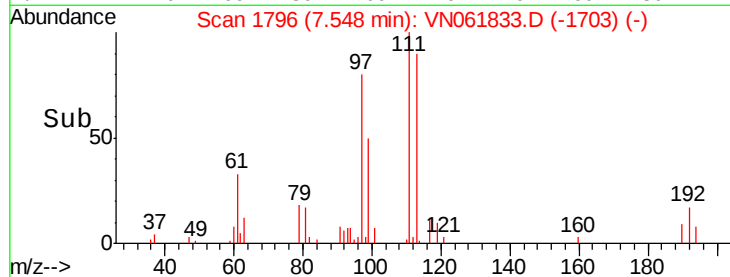
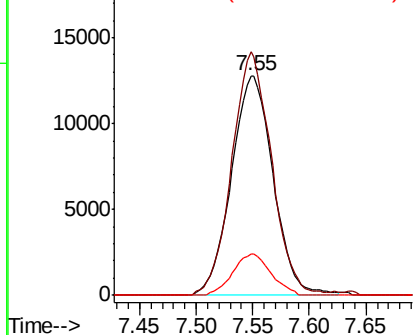
#35
 Dibromofluoromethane
 Concen: 24.069 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:113 Resp: 32859
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.7 125.5
 192 17.1 13.9 20.9

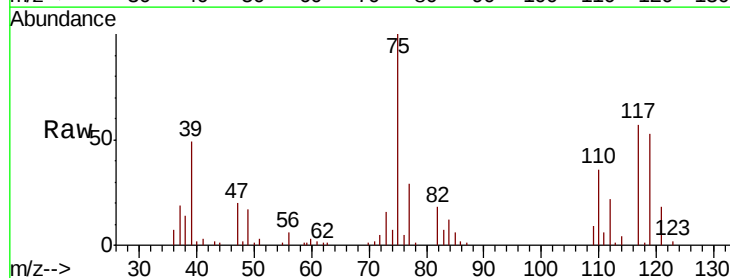


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

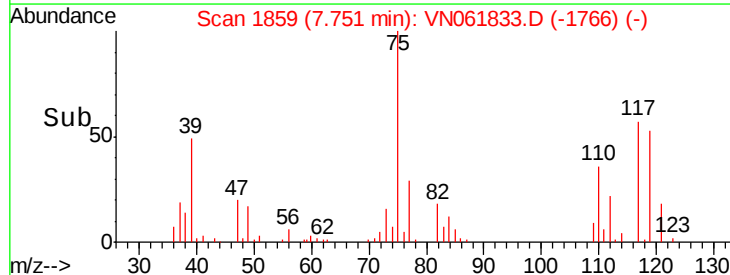
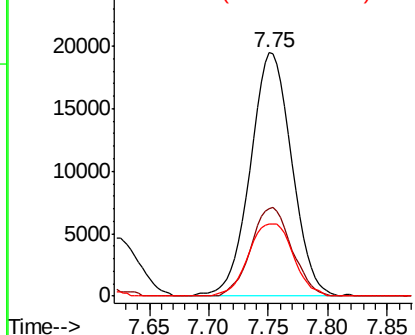


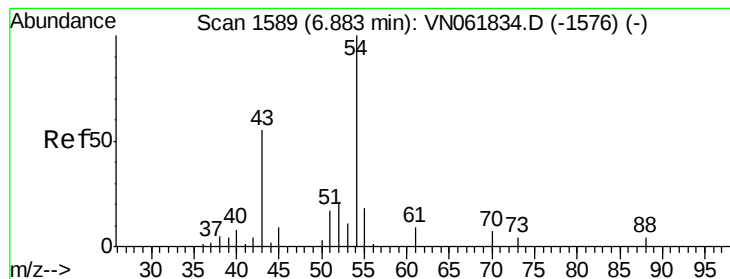
#36
 1,1-Dichloropropene
 Concen: 20.341 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 75 Resp: 47094
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.2 54.6
 77 32.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 19.786 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

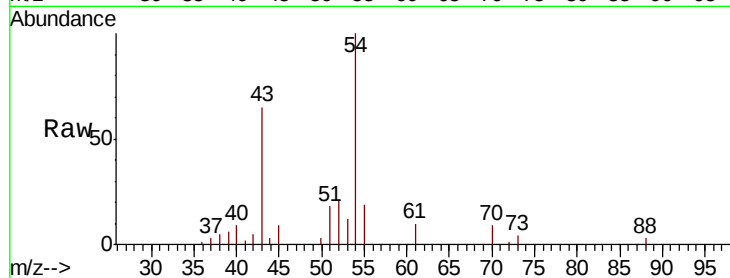
Tot Ion: 43 Resp: 36516

Ion Ratio Lower Upper

43 100

61 16.1 13.0 19.4

70 11.9 9.4 14.2

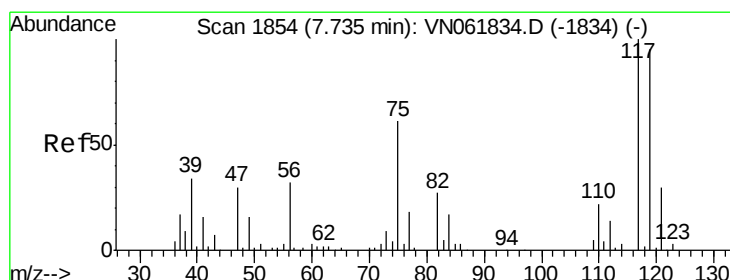
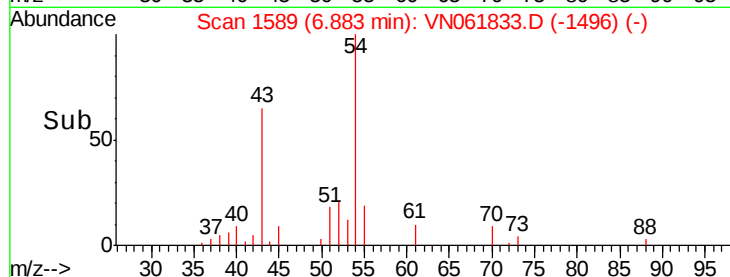
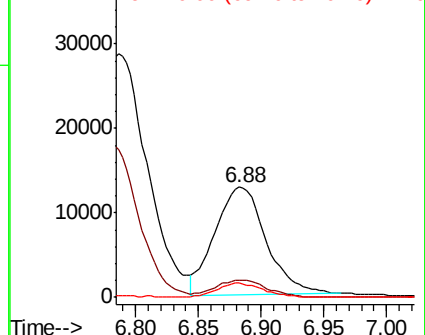


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 20.883 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

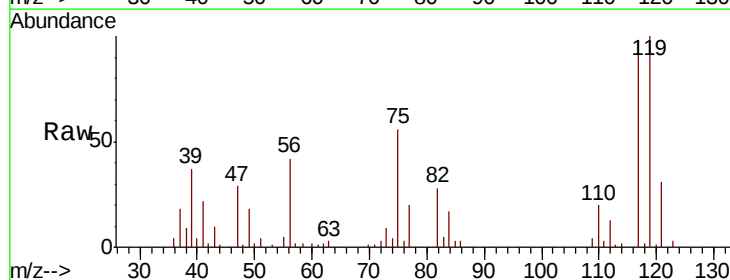
Tgt Ion: 117 Resp: 46562

Ion Ratio Lower Upper

117 100

119 101.7 75.8 113.6

121 31.8 23.8 35.6

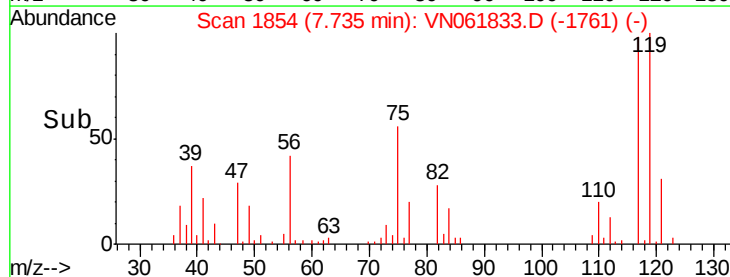
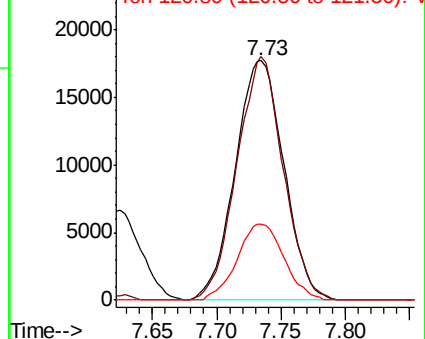


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

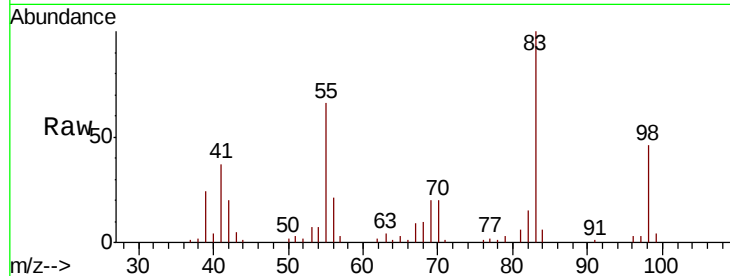




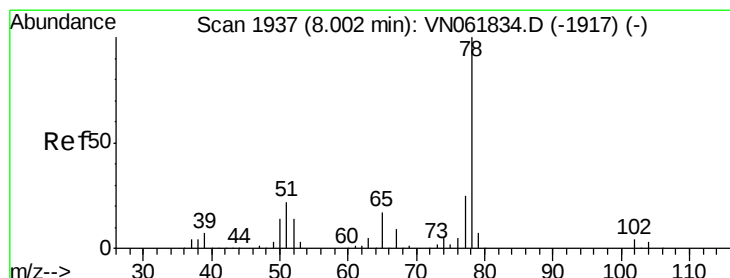
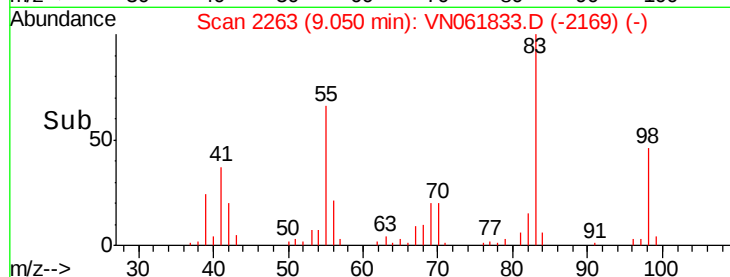
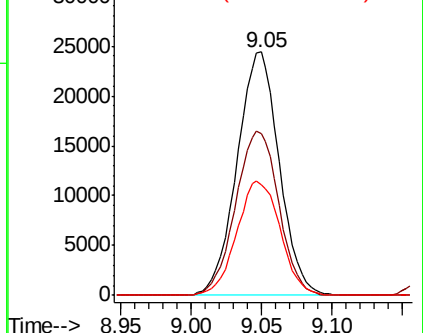
#39
Methvlcvclohexane
Concen: 18.215 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 51119
Ion Ratio Lower Upper
83 100
55 66.5 54.2 81.4
98 45.5 39.8 59.6

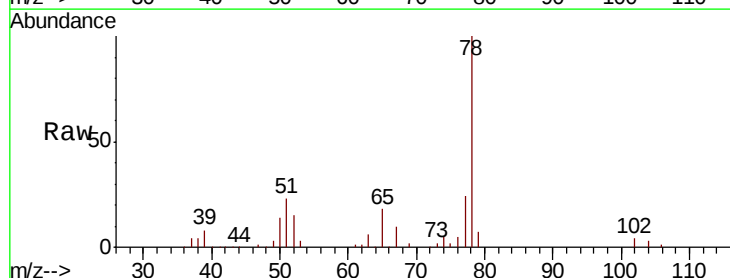


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

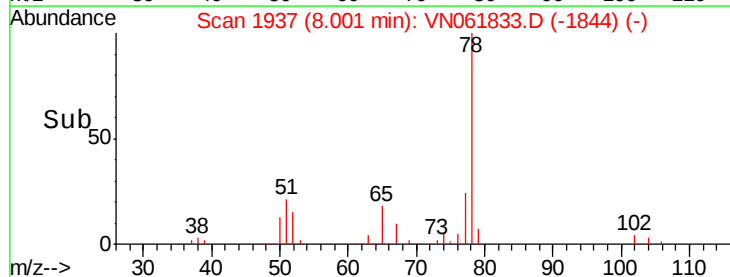
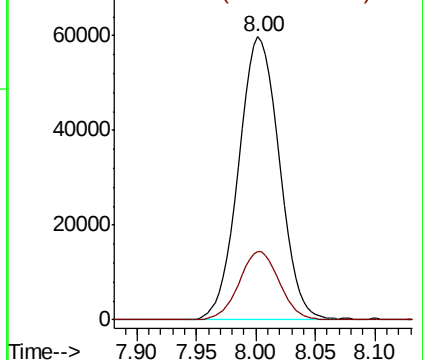


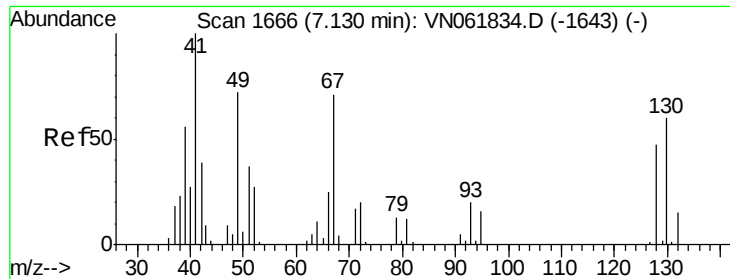
#40
Benzene
Concen: 19.955 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 78 Resp: 142183
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5



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

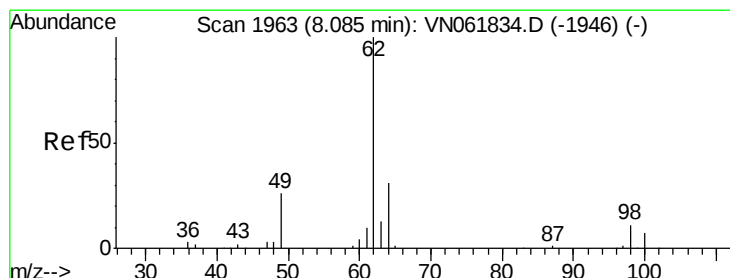
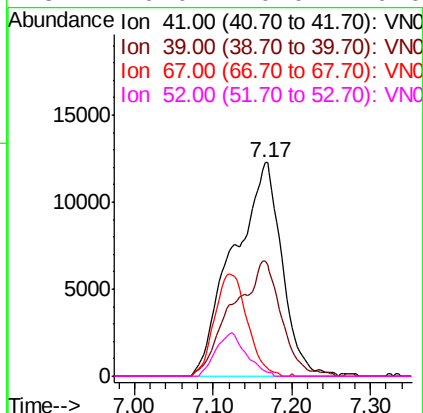
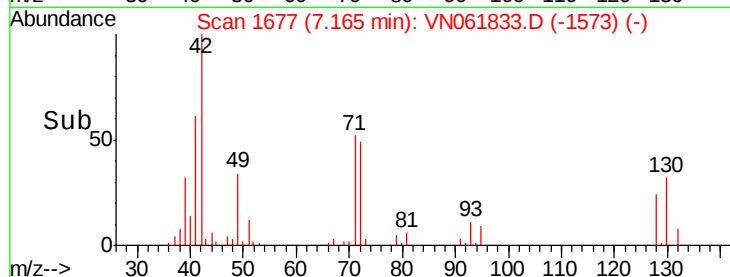
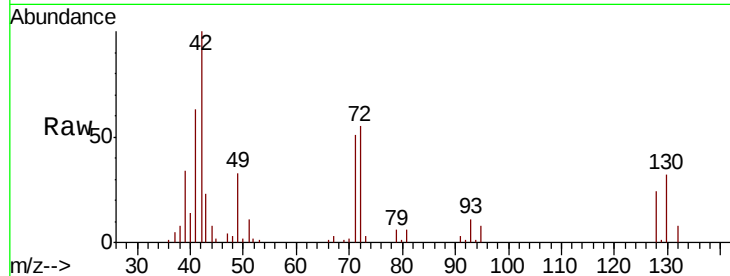




#41
Methacrylonitrile
Concen: 62.871 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

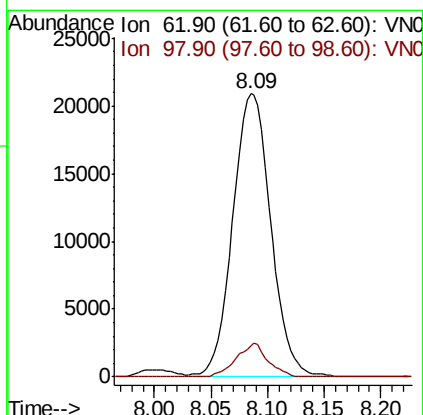
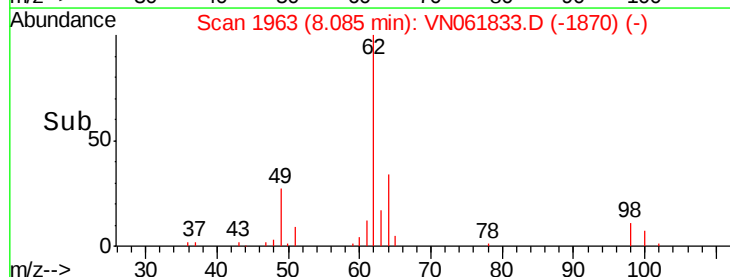
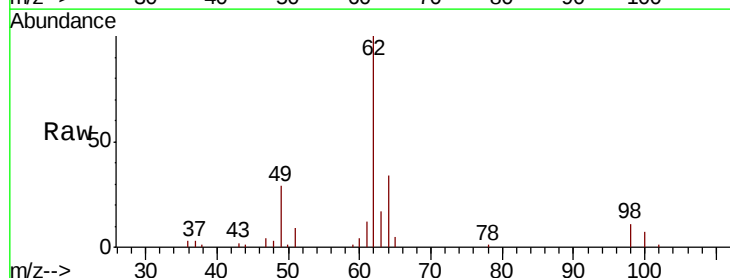
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

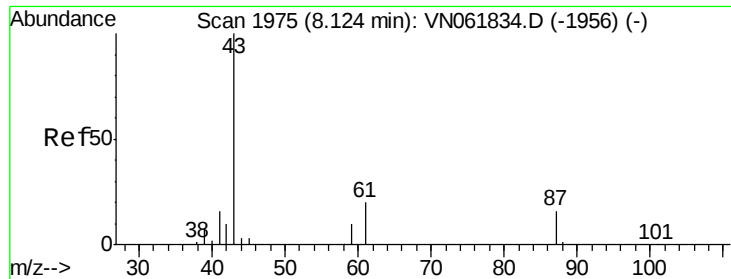
Tot Ion: 41 Resp: 53144
Ion Ratio Lower Upper
41 100
39 54.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.434 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 62 Resp: 48945
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.4





#43

Isopropyl Acetate

Concen: 18.757 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

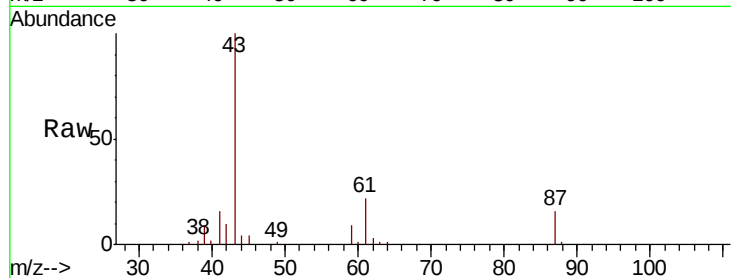
Tot Ion: 43 Resp: 62098

Ion Ratio Lower Upper

43 100

61 22.2 24.0 36.0#

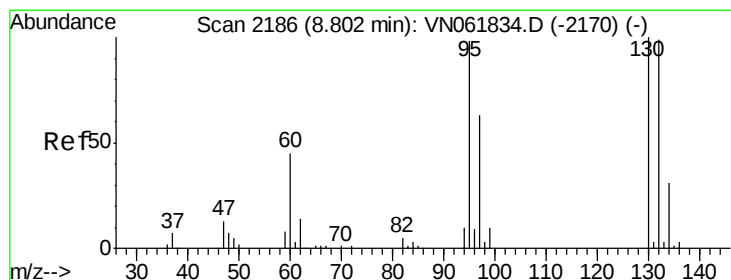
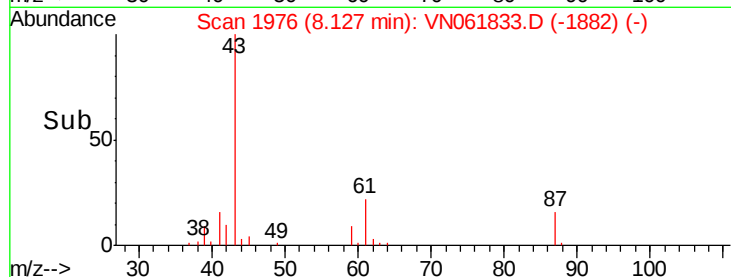
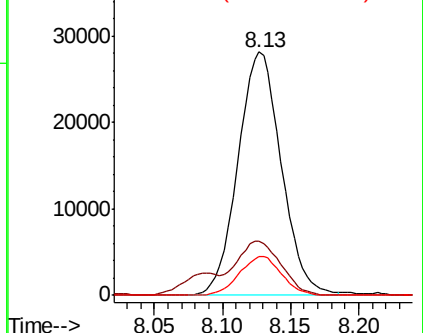
87 15.5 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VN061833.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061833.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061833.D (-1956) (-)



#44

Trichloroethene

Concen: 17.916 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061833.D

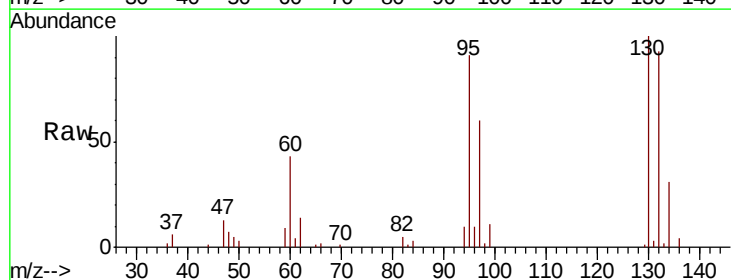
Acq: 16 Jun 2020 18:14

Tgt Ion:130 Resp: 38033

Ion Ratio Lower Upper

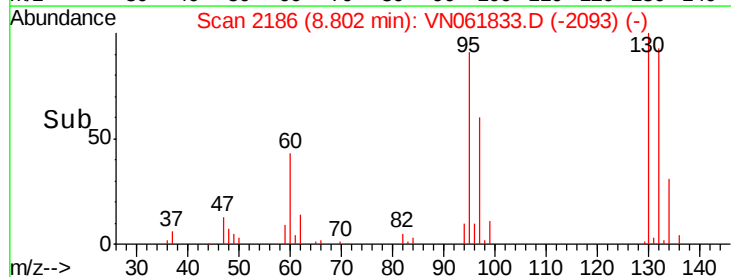
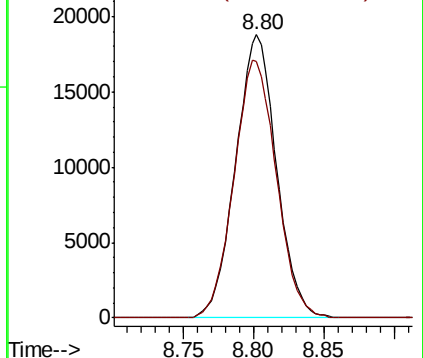
130 100

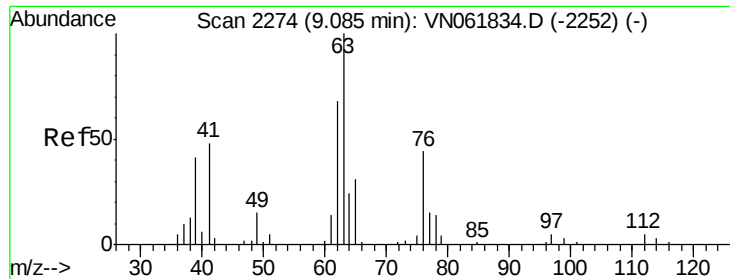
95 90.8 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061833.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061833.D (-2170) (-)

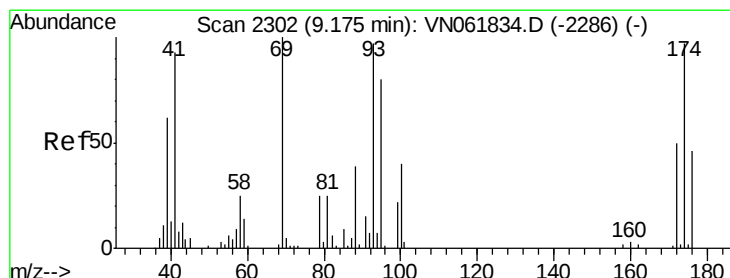
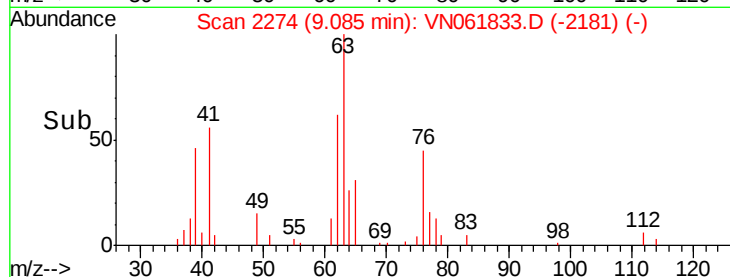
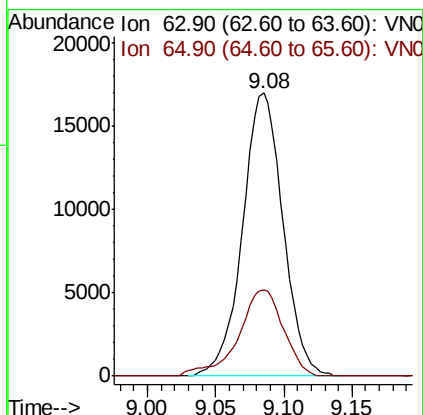
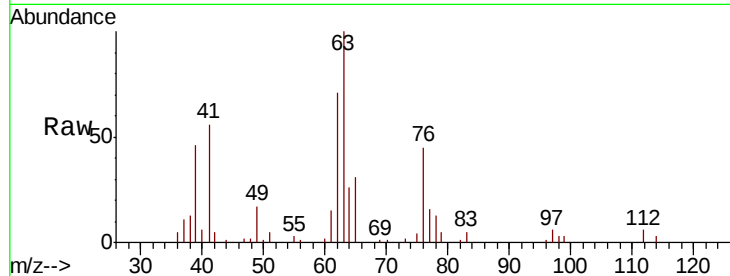




#45
 1,2-Dichloropropane
 Concen: 20.589 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

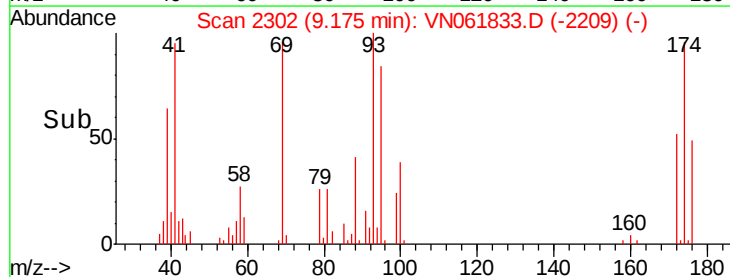
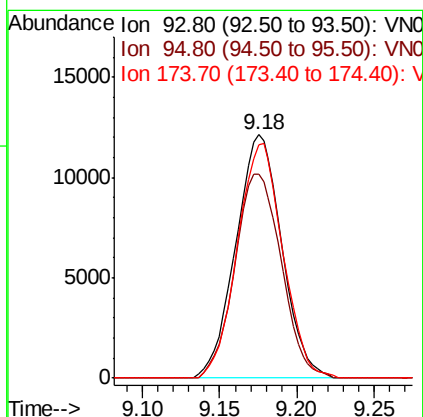
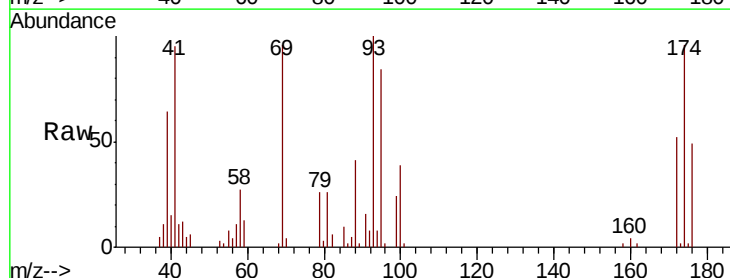
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 35060
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.1 37.7



#46
 Dibromomethane
 Concen: 19.453 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 93 Resp: 25093
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.8 98.6
 174 95.0 78.5 117.7





#47

Bromodichloromethane

Concen: 19.714 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

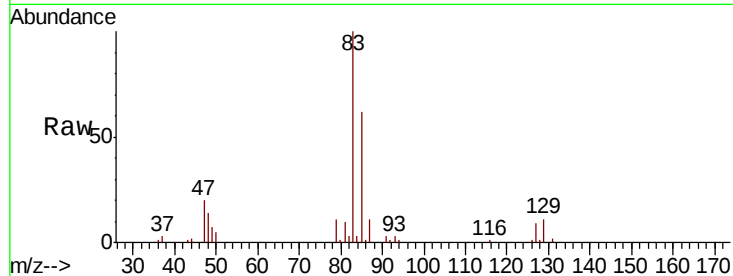
Tot Ion: 83 Resp: 50390

Ion Ratio Lower Upper

83 100

85 61.6 50.8 76.2

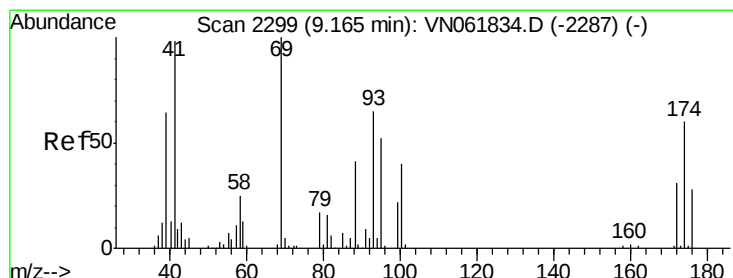
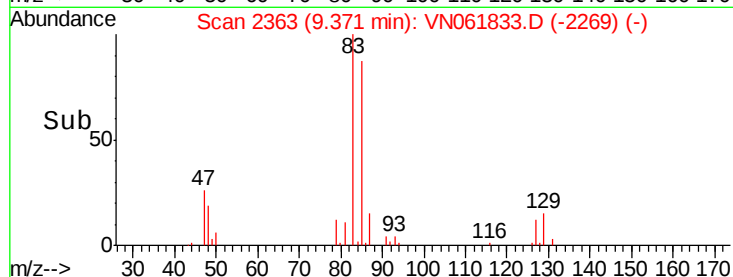
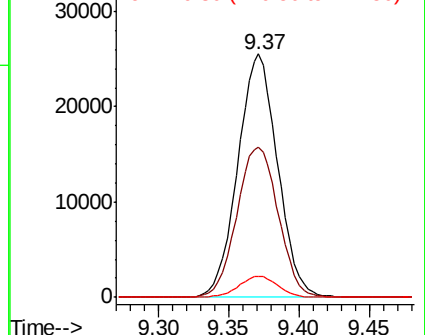
127 8.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN061833.D (-2269) (-)

Ion 84.90 (84.60 to 85.60): VN061833.D (-2269) (-)

Ion 126.80 (126.50 to 127.50): VN061833.D (-2269) (-)



#48

Methyl methacrylate

Concen: 18.341 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

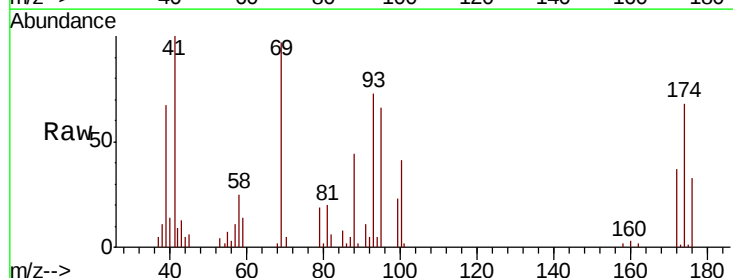
Tgt Ion: 41 Resp: 27419

Ion Ratio Lower Upper

41 100

69 101.0 83.0 124.4

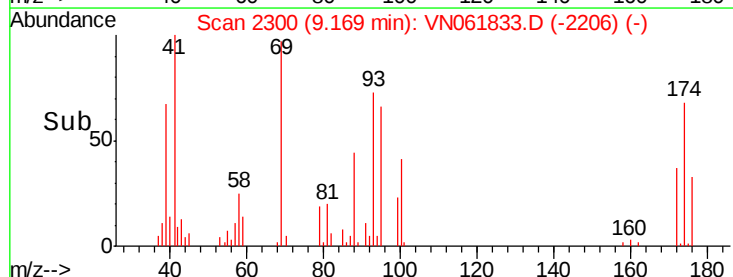
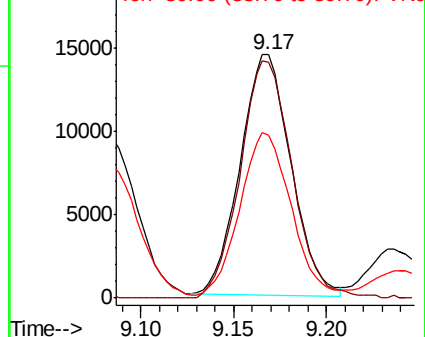
39 70.1 55.1 82.7



Abundance Ion 41.00 (40.70 to 41.70): VN061833.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061833.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061833.D (-2206) (-)





#49

1,4-Dioxane

Concen: 515.387 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

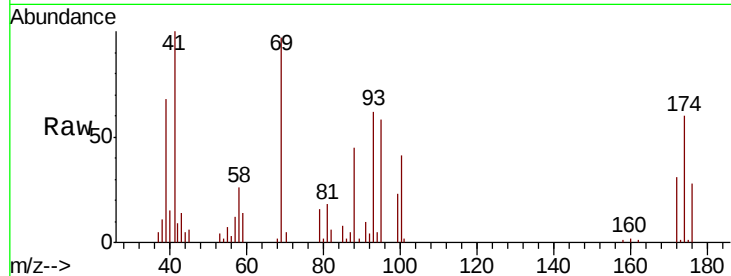
Tot Ion: 88 Resp: 12953

Ion Ratio Lower Upper

88 100

43 29.5 23.4 35.2

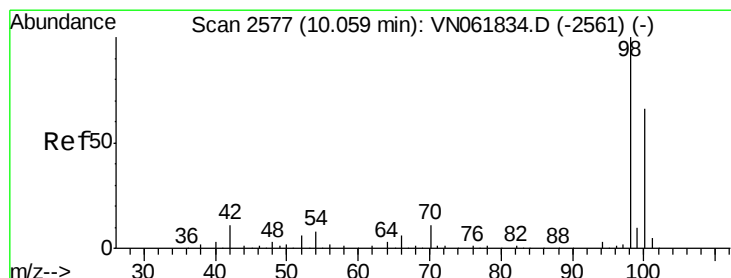
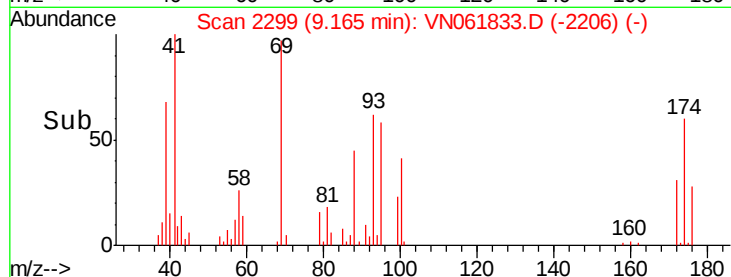
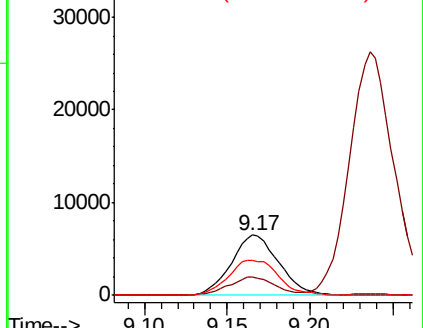
58 61.5 49.8 74.6



Abundance Ion 88.00 (87.70 to 88.70): VN061833.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061833.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061833.D (-2285) (-)



#50

Toluene-d8

Concen: 21.031 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061833.D

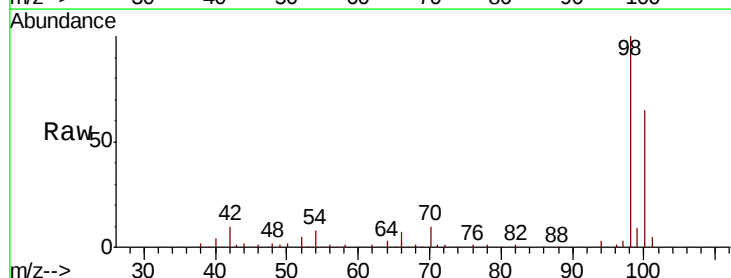
Acq: 16 Jun 2020 18:14

Tgt Ion: 98 Resp: 128261

Ion Ratio Lower Upper

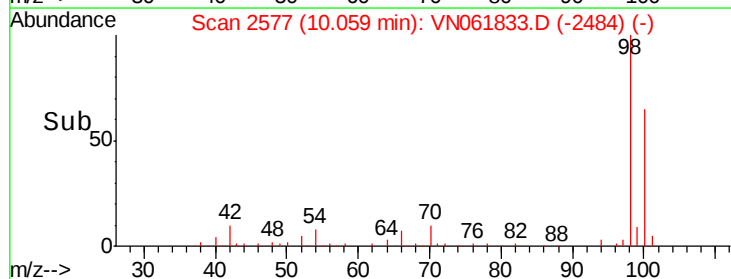
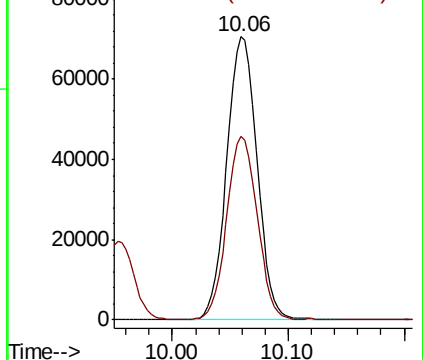
98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061833.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061833.D (-2484) (-)

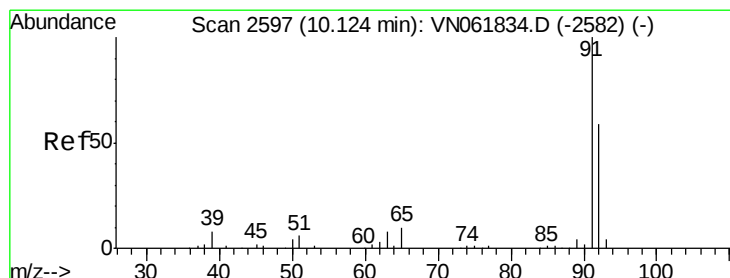
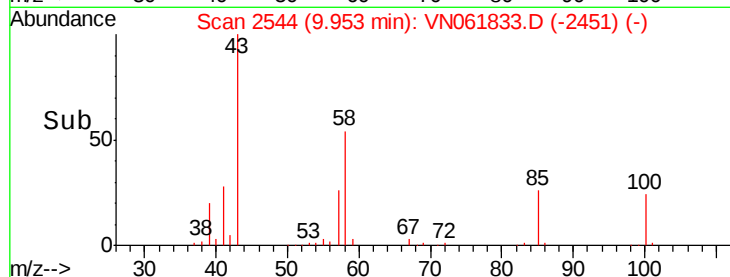
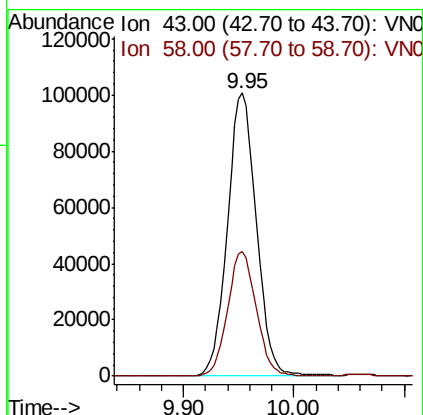
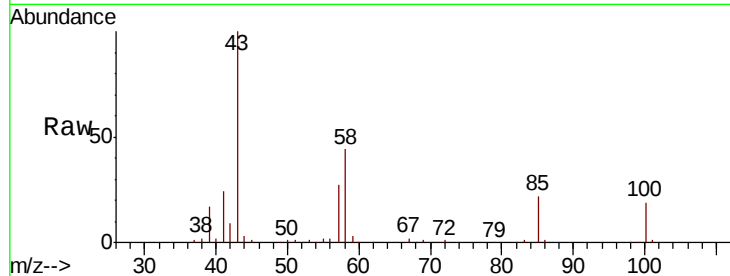




#51
 4-Methyl-2-Pentanone
 Concen: 97.786 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

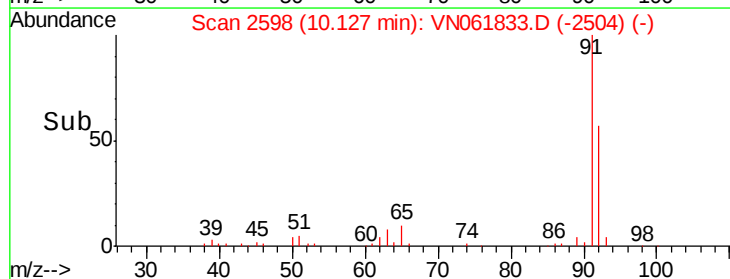
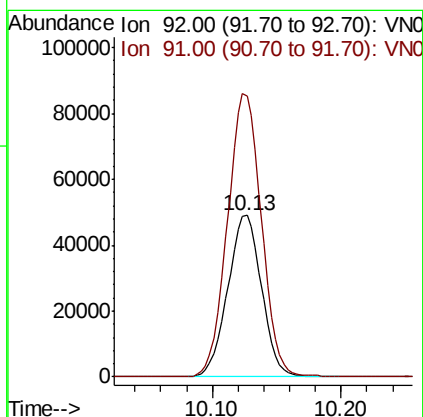
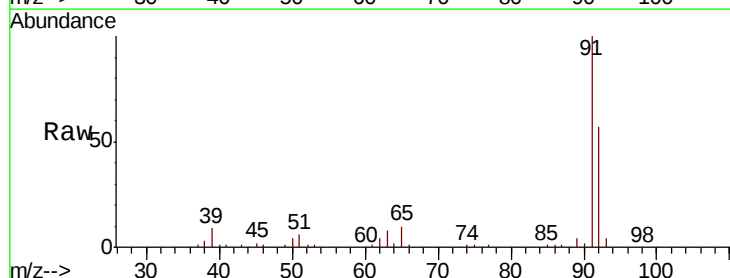
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

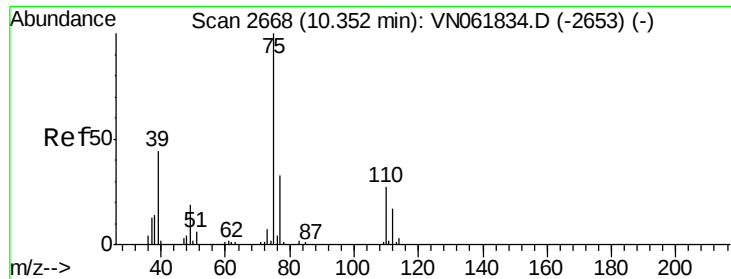
Tot Ion: 43 Resp: 183165
 Ion Ratio Lower Upper
 43 100
 58 43.7 34.6 52.0



#52
 Toluene
 Concen: 19.234 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 92 Resp: 89145
 Ion Ratio Lower Upper
 92 100
 91 176.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 19.416 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

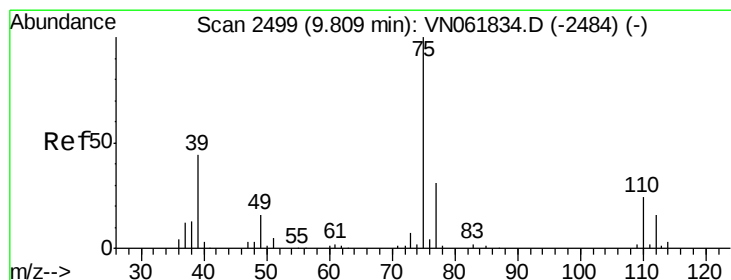
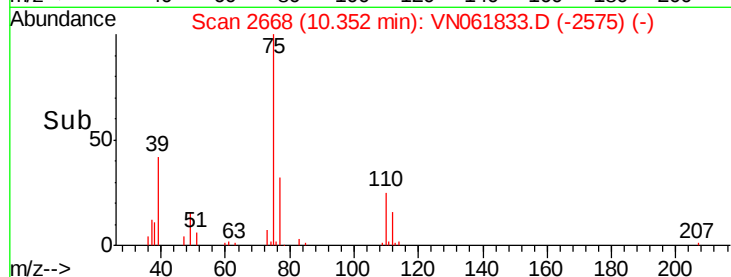
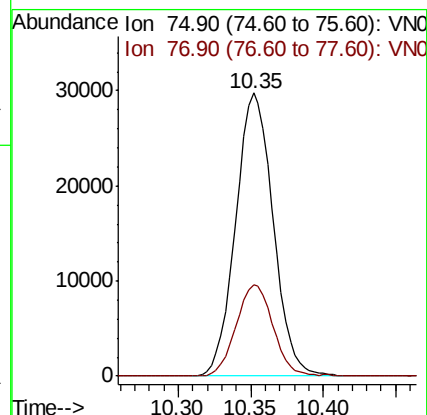
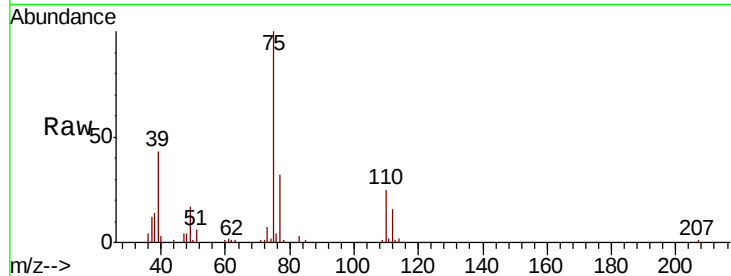
VSTDIC020

Tot Ion: 75 Resp: 53414

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 19.810 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

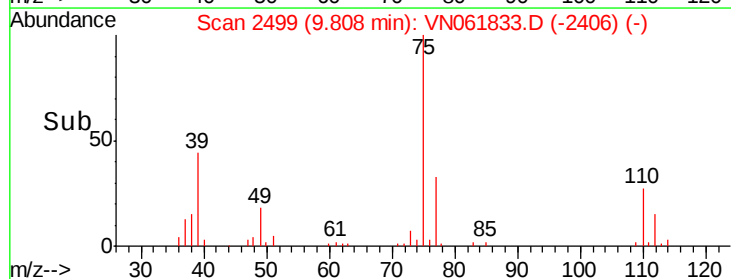
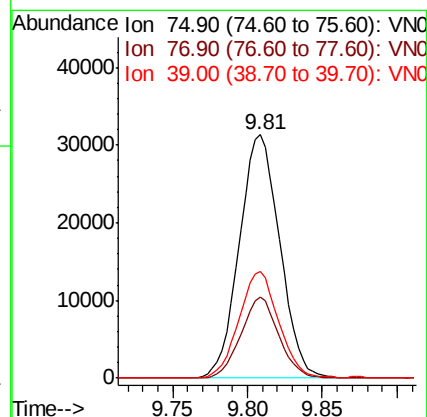
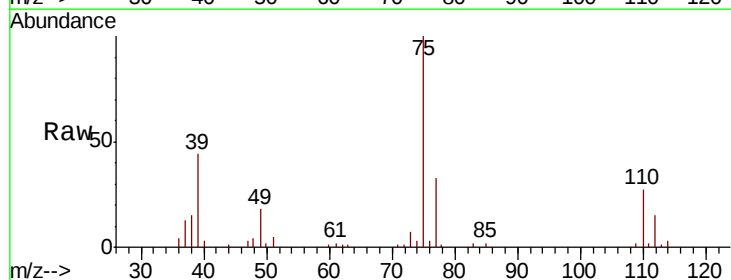
Tgt Ion: 75 Resp: 58847

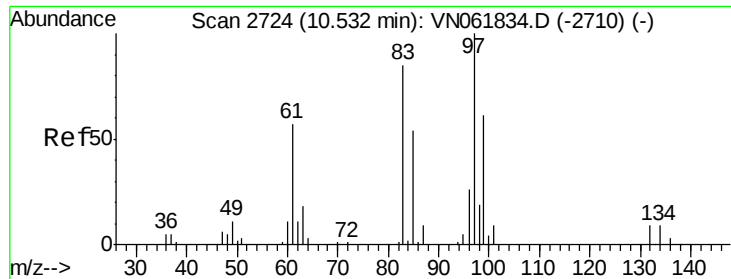
Ion Ratio Lower Upper

75 100

77 33.2 24.8 37.2

39 43.8 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 19.642 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 36192

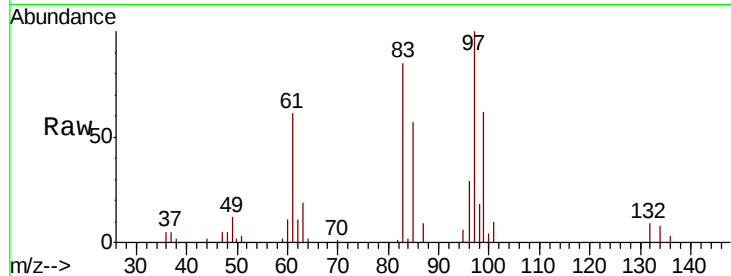
Ion Ratio Lower Upper

97 100

83 84.7 67.7 101.5

85 56.7 43.4 65.0

99 62.0 48.8 73.2



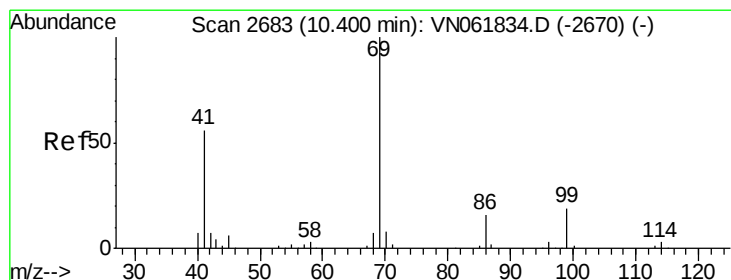
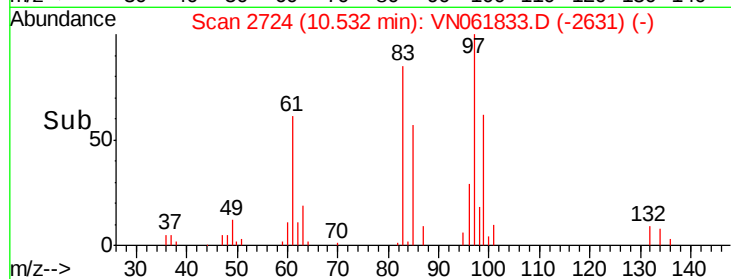
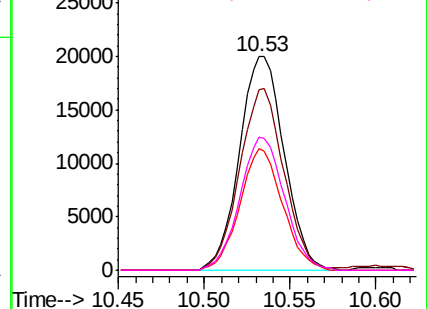
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.227 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

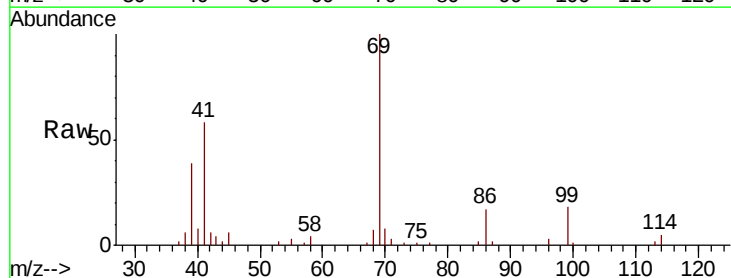
Tgt Ion: 69 Resp: 46551

Ion Ratio Lower Upper

69 100

41 57.9 44.9 67.3

39 37.4 30.0 45.0

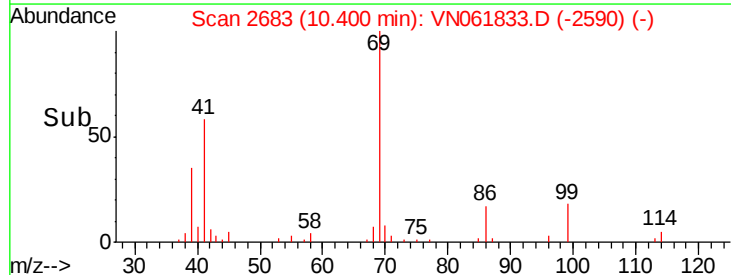
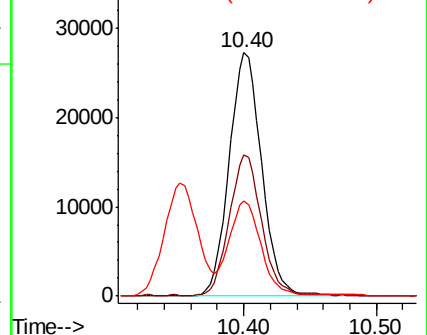


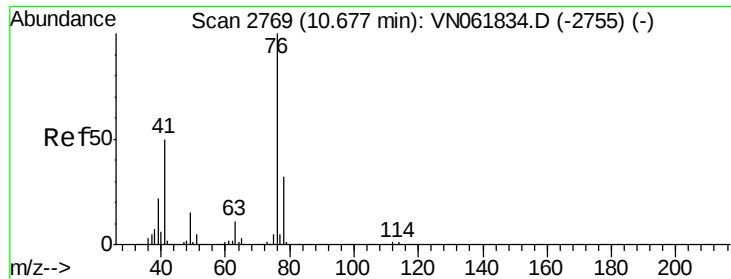
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.302 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

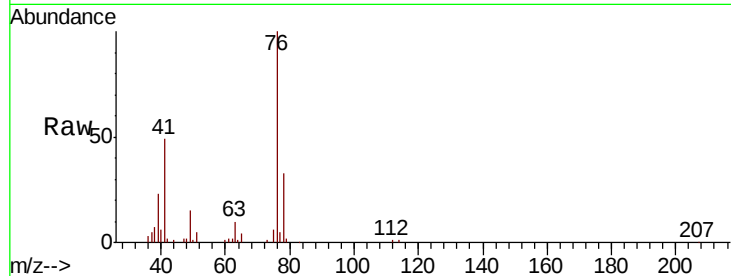
VSTDIC020

Tot Ion: 76 Resp: 60216

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN061833.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN061833.D (-2755) (-)

10.68

30000

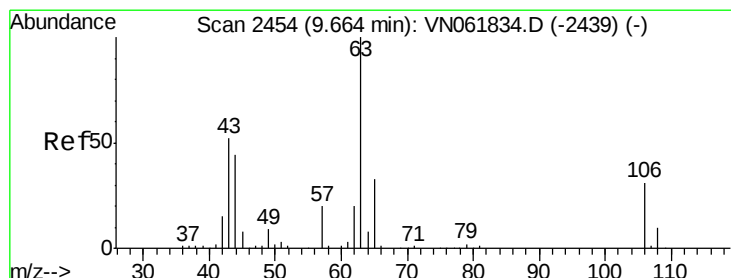
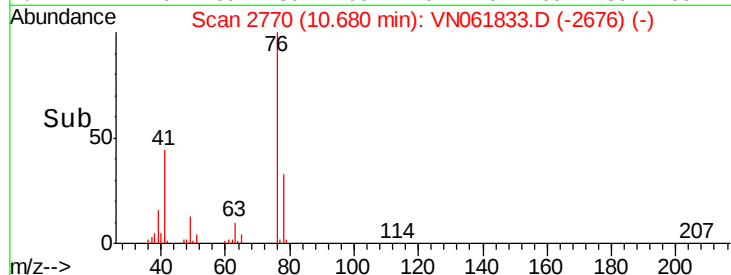
20000

10000

0

Time-->

10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 79.439 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061833.D

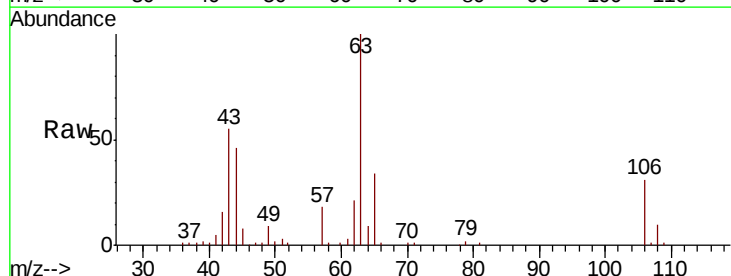
Acq: 16 Jun 2020 18:14

Tgt Ion: 63 Resp: 85301

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN061833.D (-2439) (-)

Ion 105.90 (105.60 to 106.60): VN061833.D (-2439) (-)

9.66

50000

40000

30000

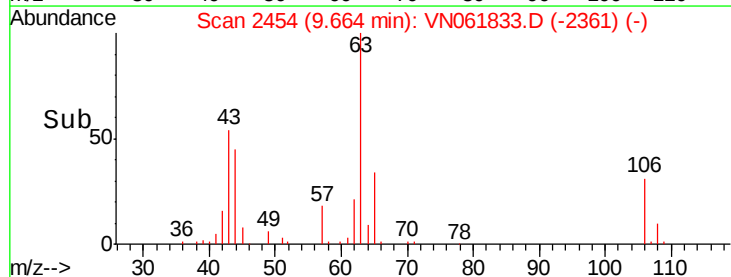
20000

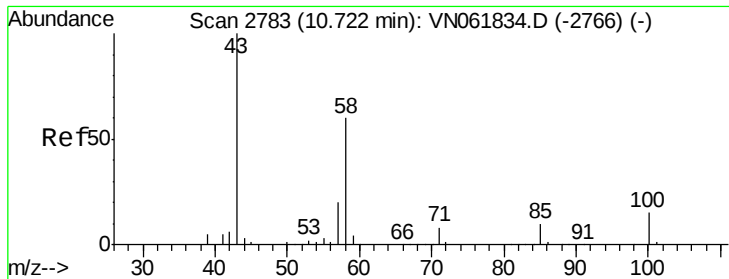
10000

0

Time-->

9.60 9.65 9.70 9.75

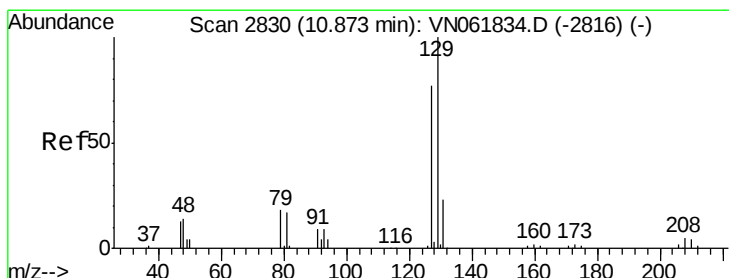
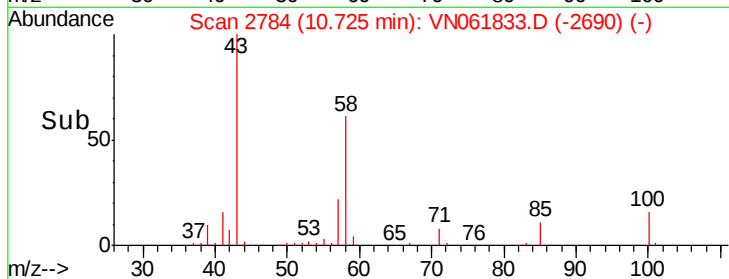
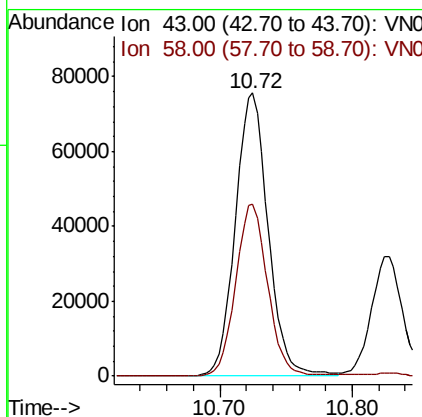
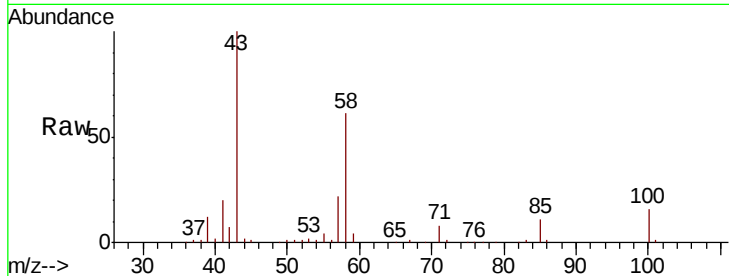




#59
2-Hexanone
Concen: 96.735 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

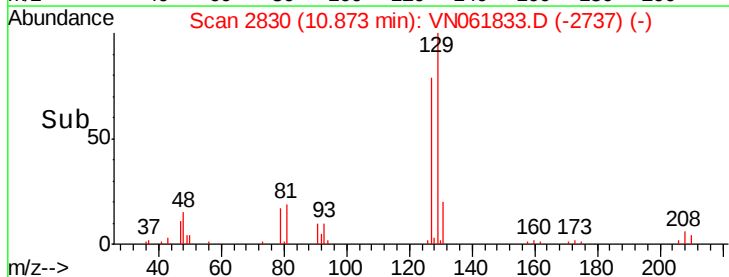
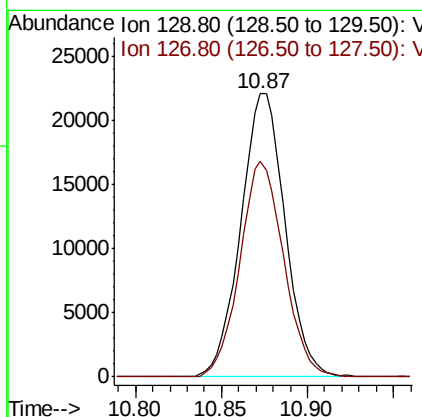
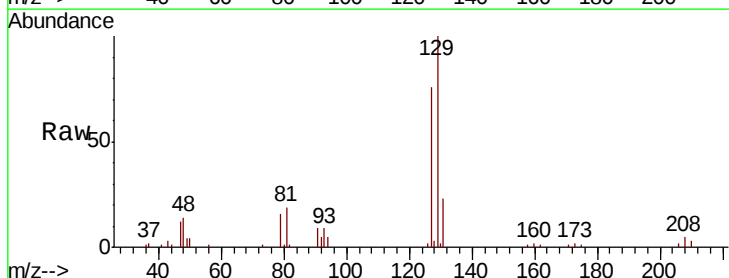
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 130142
Ion Ratio Lower Upper
43 100
58 59.3 30.1 90.5



#60
Dibromochloromethane
Concen: 19.020 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 129 Resp: 39410
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5

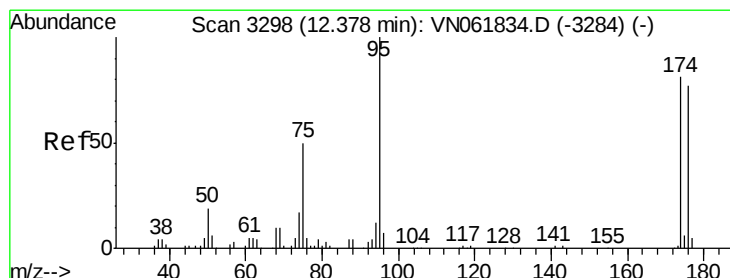
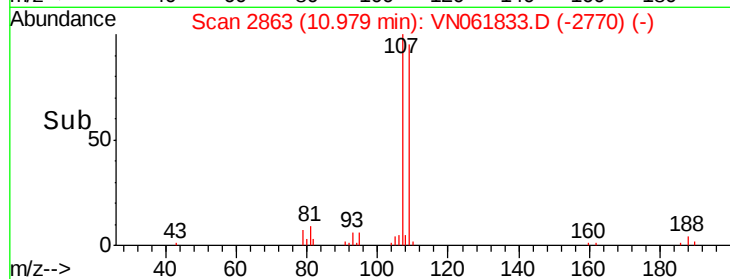
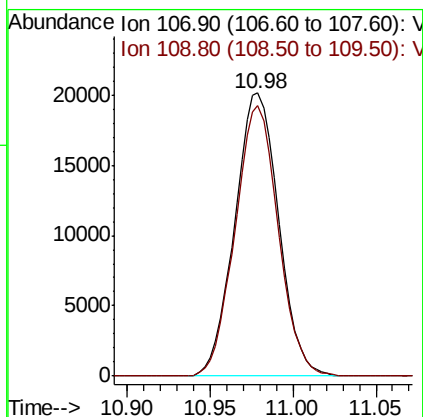
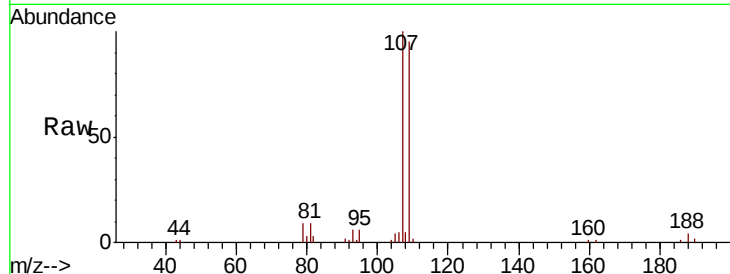




#61
 1,2-Dibromoethane
 Concen: 19.373 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

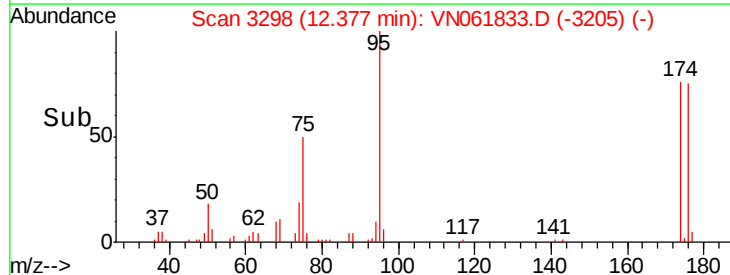
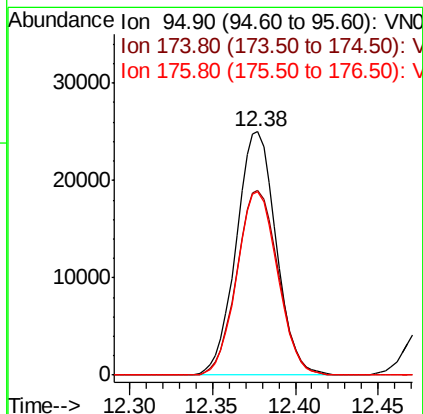
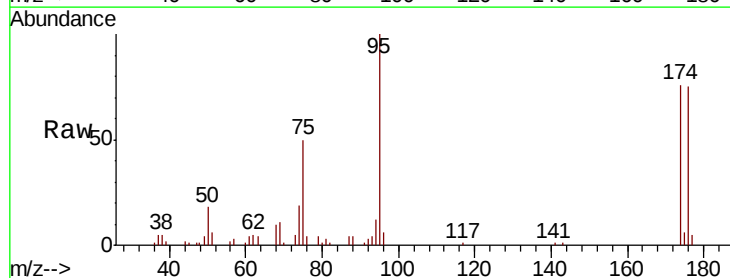
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 37071
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 18.929 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 95 Resp: 41854
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 158.6
 176 76.8 0.0 152.0

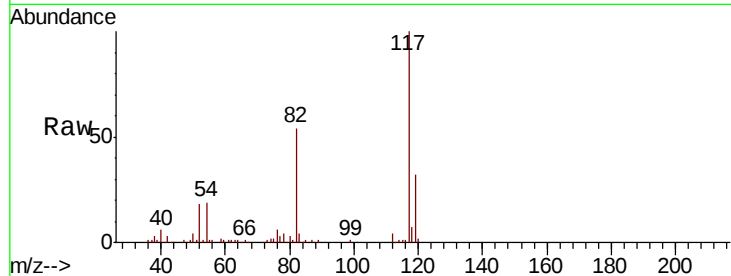




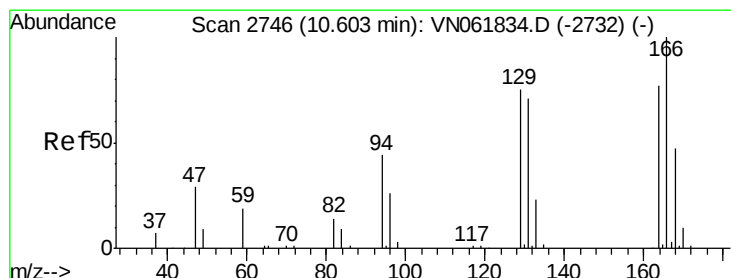
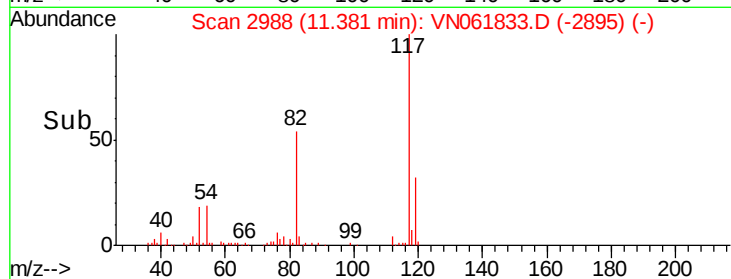
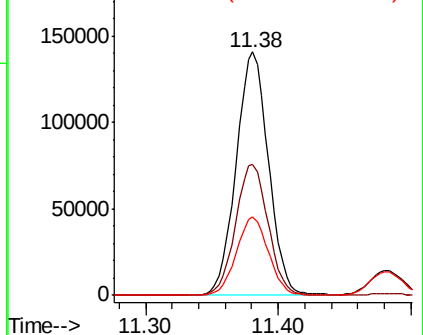
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 238734
Ion Ratio Lower Upper
117 100
82 53.9 42.6 64.0
119 32.1 24.7 37.1

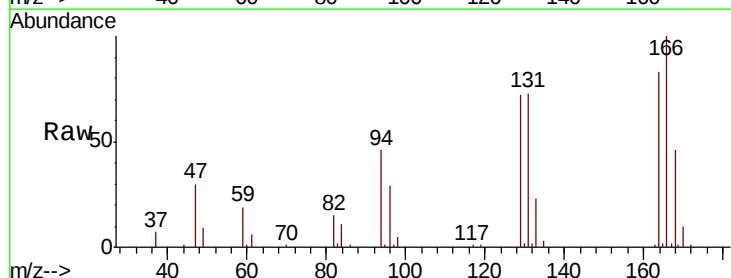


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

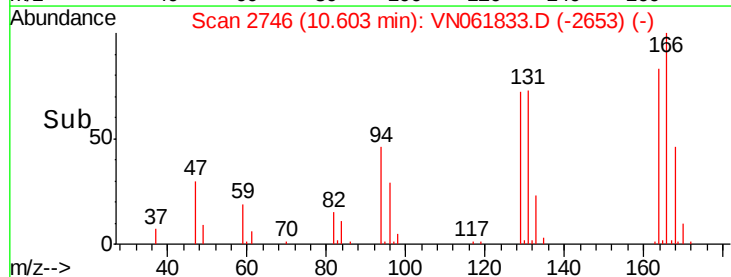
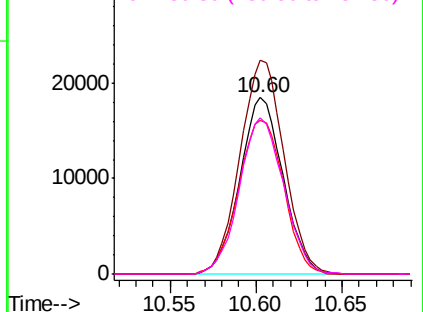


#64
Tetrachloroethene
Concen: 15.119 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:164 Resp: 32296
Ion Ratio Lower Upper
164 100
166 121.0 103.5 155.3
129 87.2 77.5 116.3
131 88.3 73.8 110.8



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

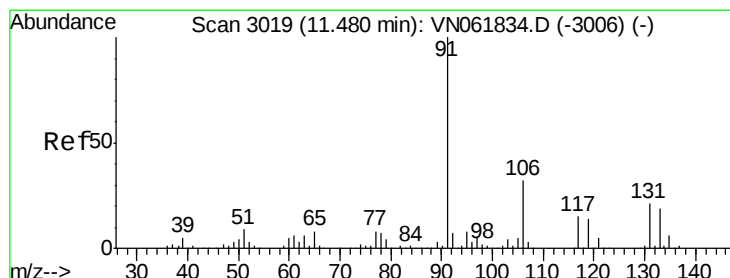
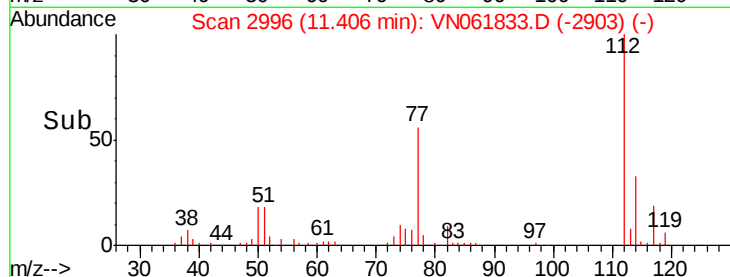
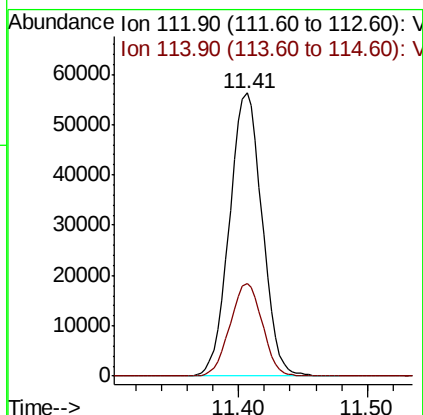
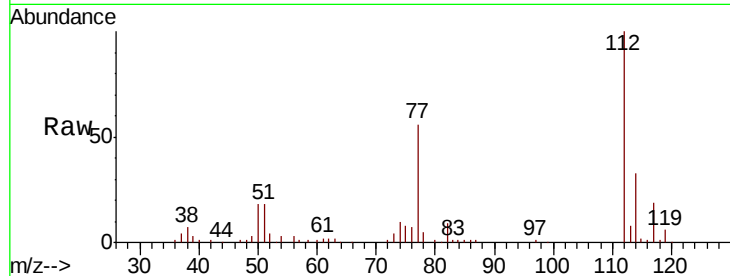




#65
Chlorobenzene
Concen: 19.935 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

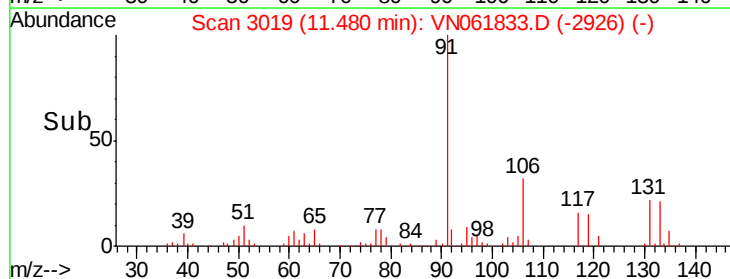
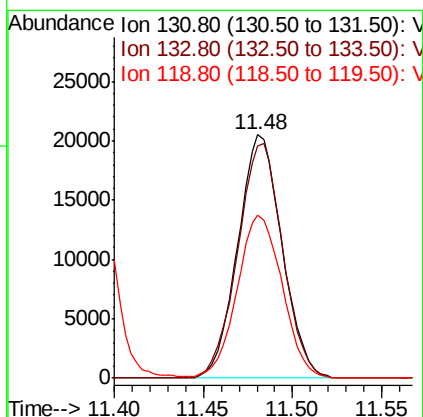
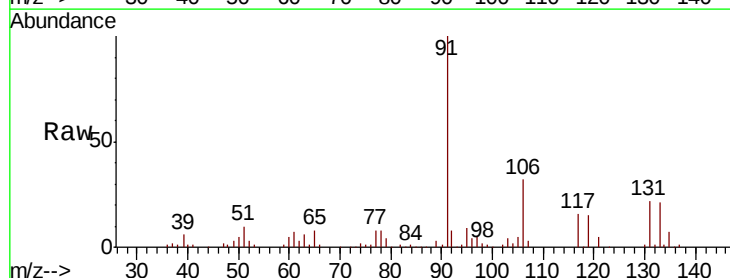
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

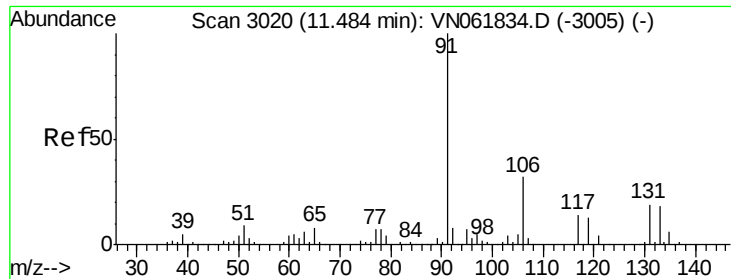
Tot Ion:112 Resp: 99256
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.262 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:131 Resp: 35496
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.5
119 68.4 34.0 101.8

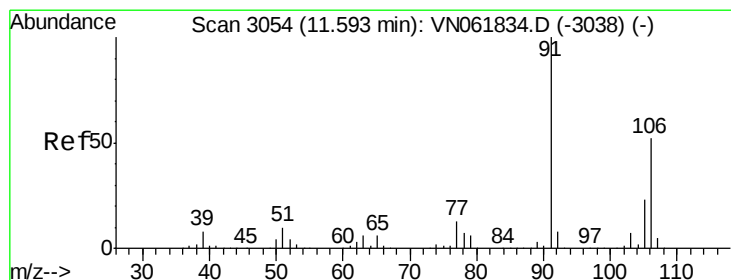
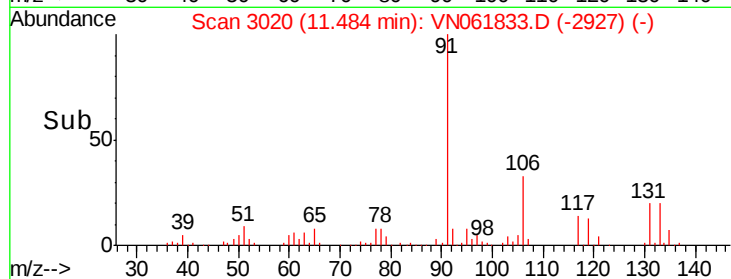
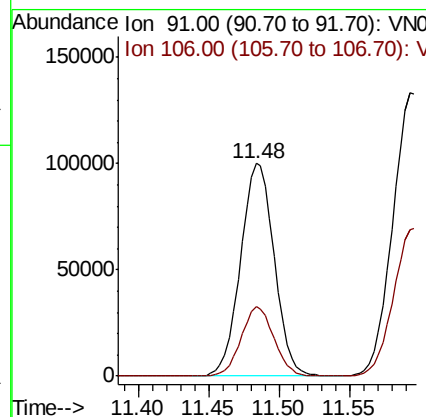
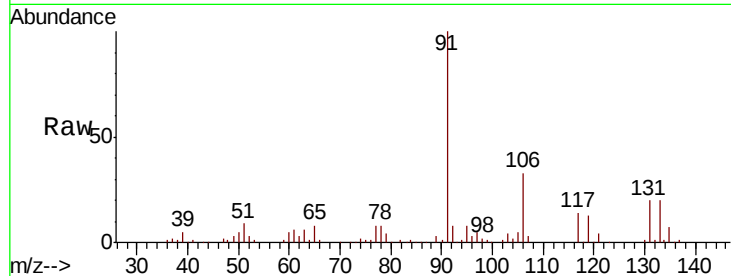




#67
Ethyl Benzene
Concen: 19.459 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

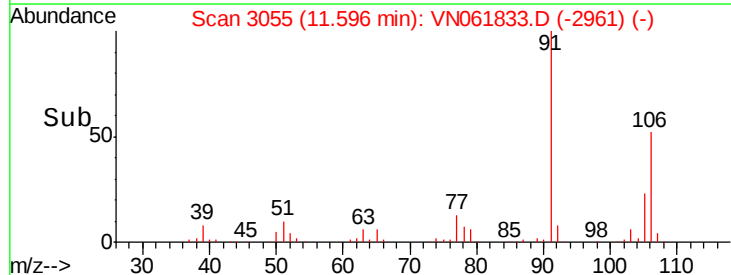
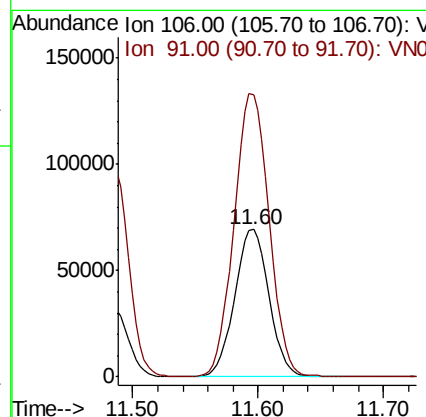
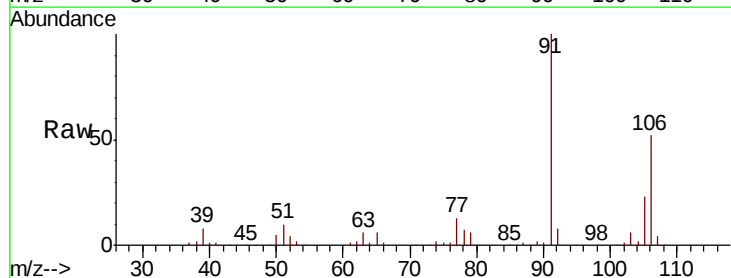
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

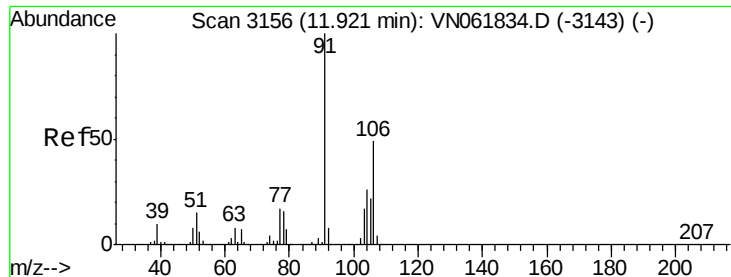
Tot Ion: 91 Resp: 167798
Ion Ratio Lower Upper
91 100
106 32.6 25.4 38.2



#68
m/p-Xylenes
Concen: 38.652 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 106 Resp: 131692
Ion Ratio Lower Upper
106 100
91 196.6 157.0 235.6

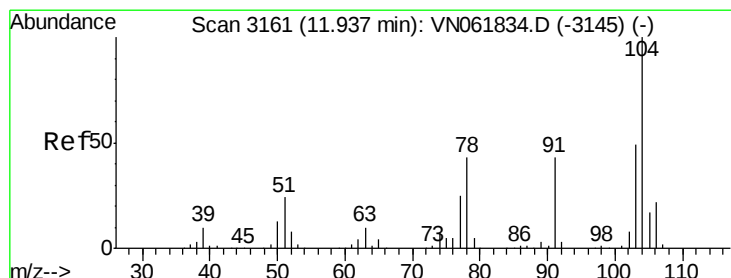
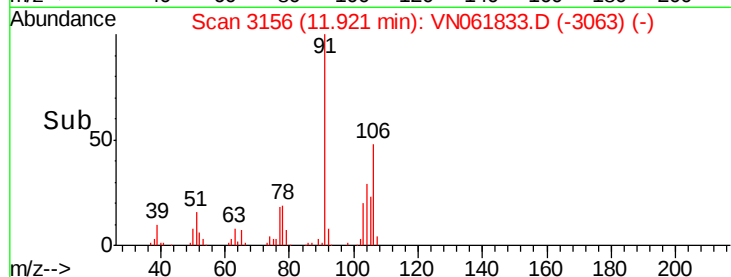
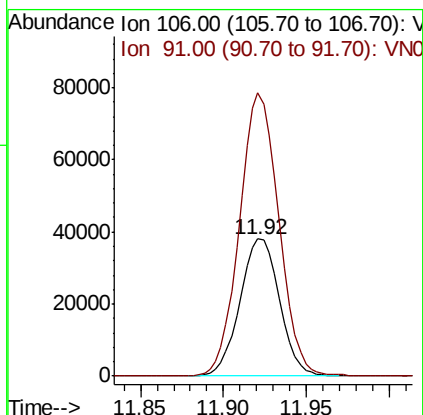
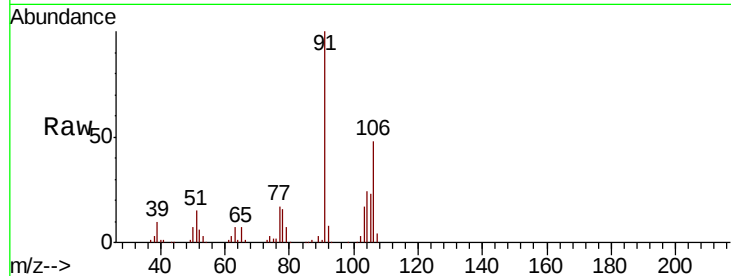




#69
o-Xylene
Concen: 19.564 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

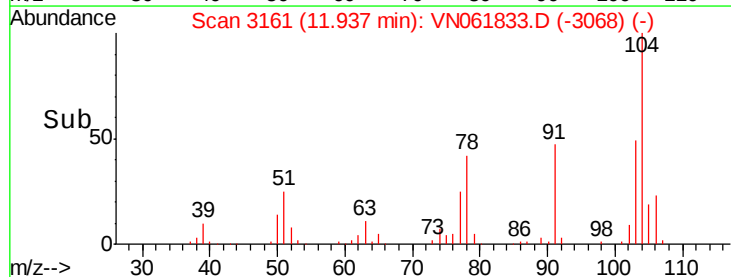
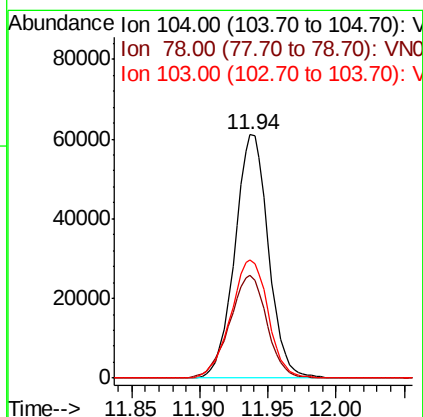
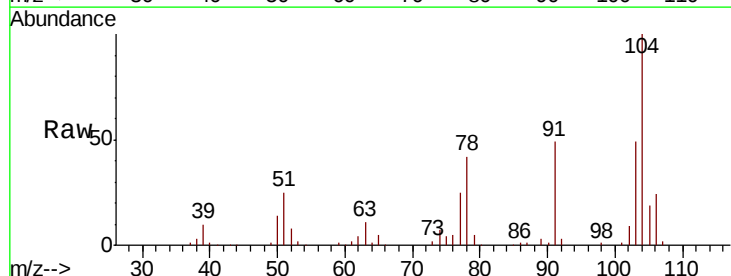
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

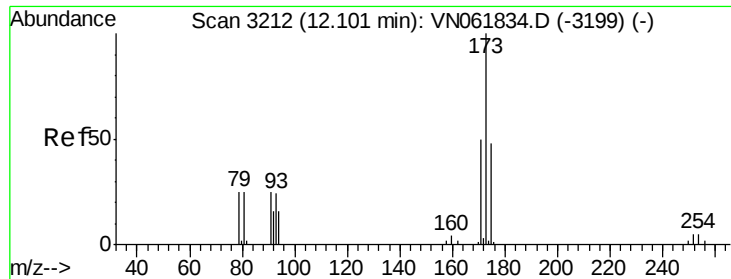
Tot Ion:106 Resp: 63388
Ion Ratio Lower Upper
106 100
91 204.9 103.0 308.9



#70
Styrene
Concen: 19.442 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:104 Resp: 104430
Ion Ratio Lower Upper
104 100
78 46.8 37.6 56.4
103 54.1 43.0 64.4





#71

Bromoform

Concen: 18.113 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

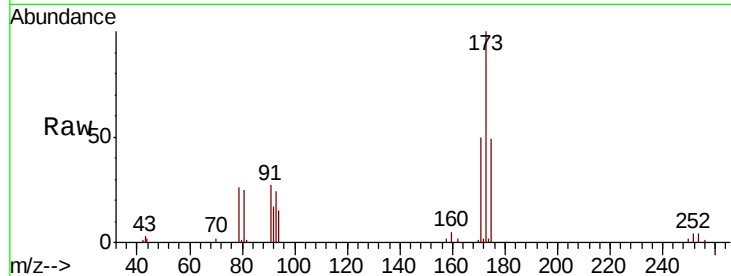
Tot Ion:173 Resp: 25438

Ion Ratio Lower Upper

173 100

175 47.4 23.9 71.7

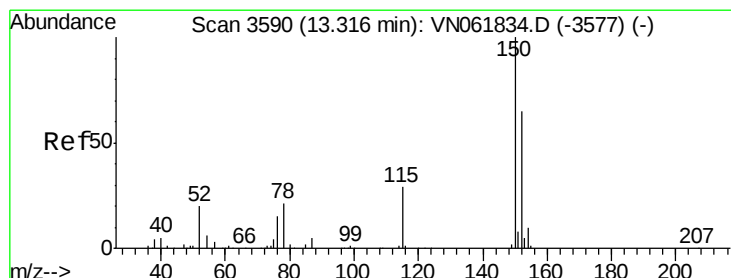
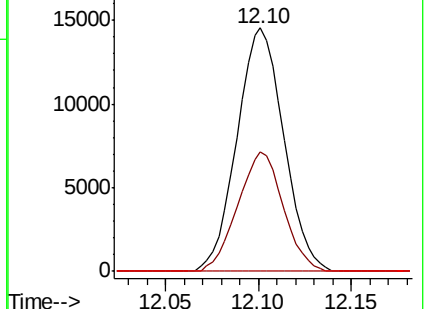
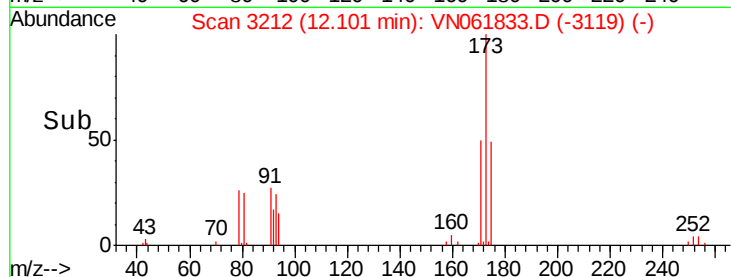
254 0.0 0.0 0.0



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: VN061833.D

Acq: 16 Jun 2020 18:14

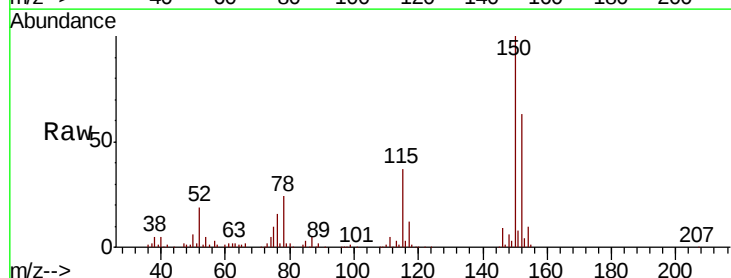
Tgt Ion:152 Resp: 112871

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

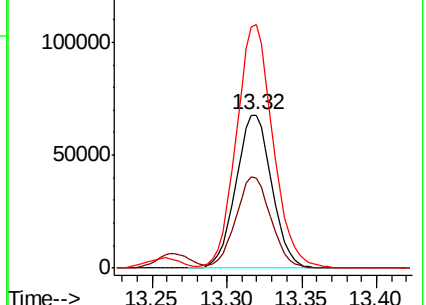
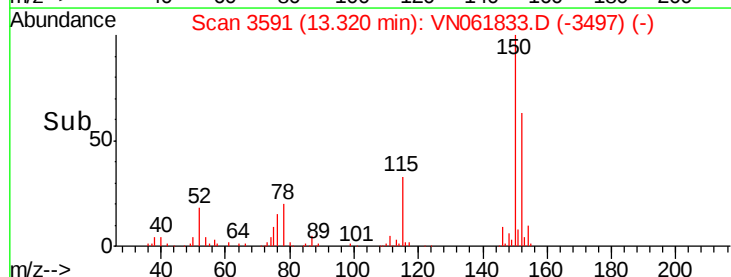
150 163.1 0.0 347.6

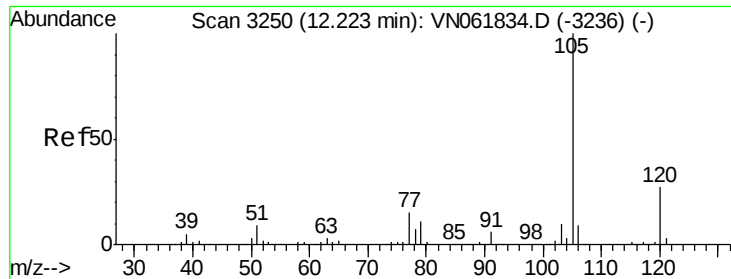


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.798 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

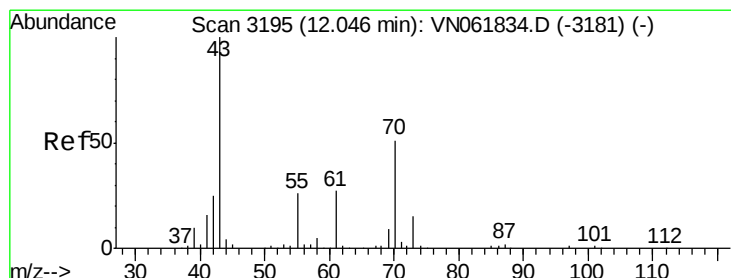
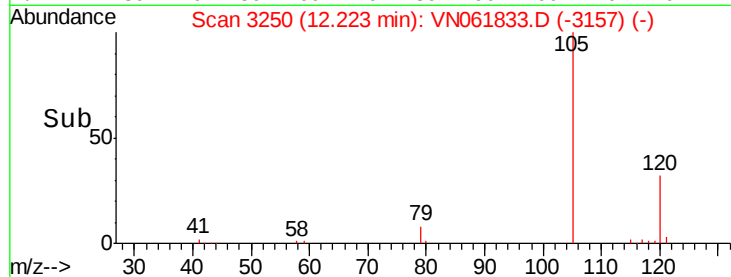
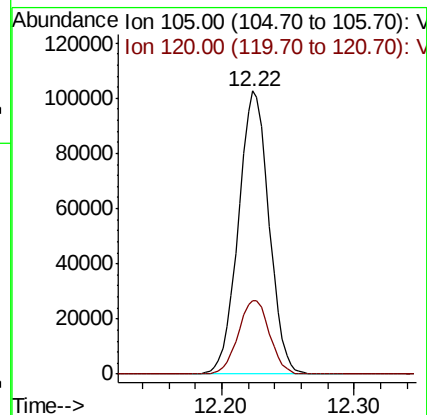
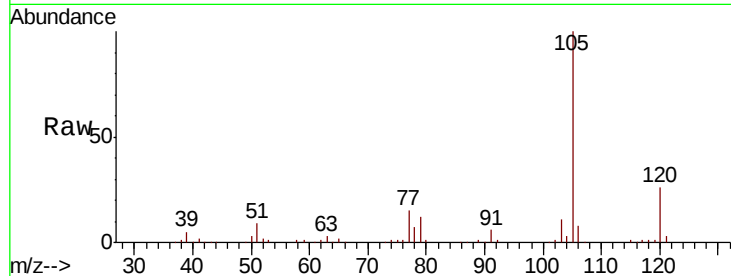
VSTDIC020

Tot Ion:105 Resp: 164197

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 19.160 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Tgt Ion: 43 Resp: 50097

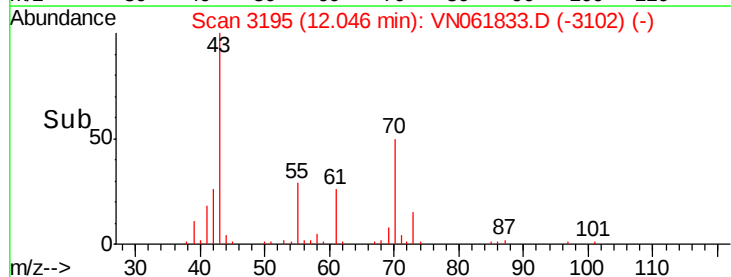
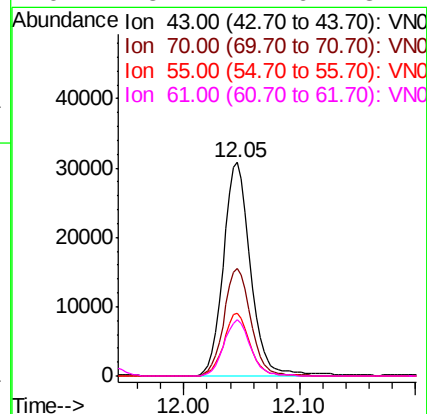
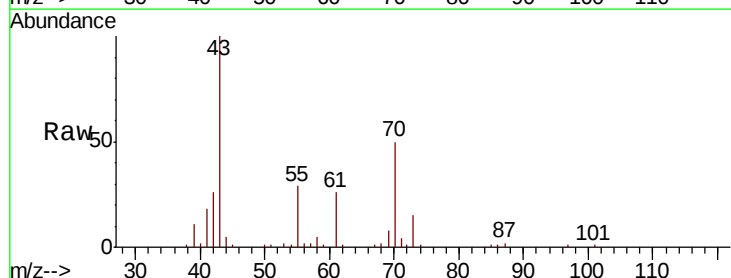
Ion Ratio Lower Upper

43 100

70 49.3 40.6 60.8

55 27.8 21.5 32.3

61 25.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

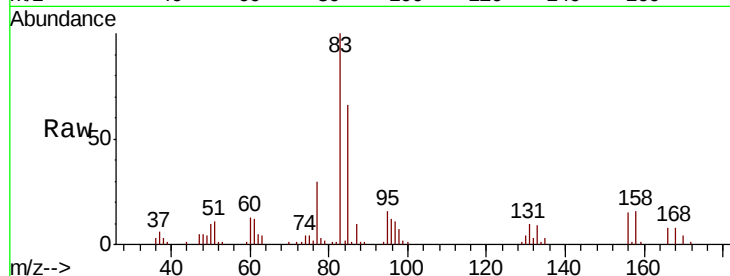
Tot Ion: 83 Resp: 51087

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

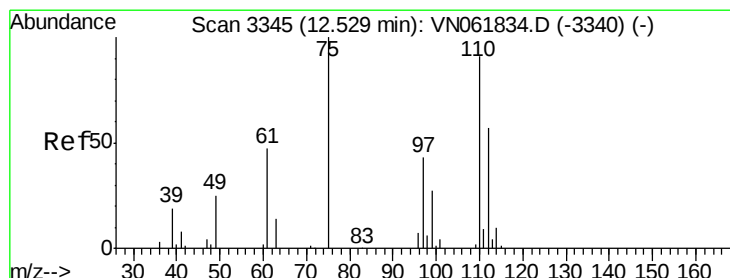
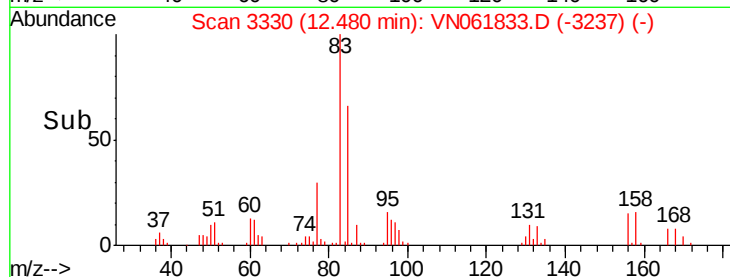
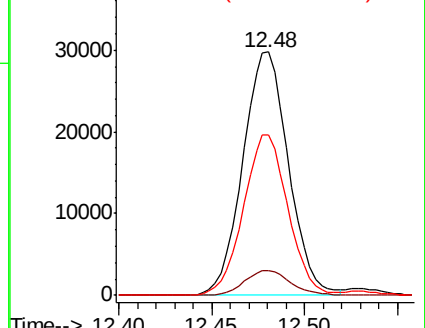
85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN061833.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061833.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061833.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 29.469 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061833.D

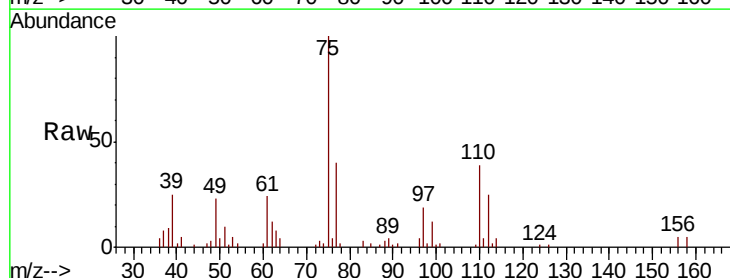
Acq: 16 Jun 2020 18:14

Tgt Ion: 75 Resp: 61211

Ion Ratio Lower Upper

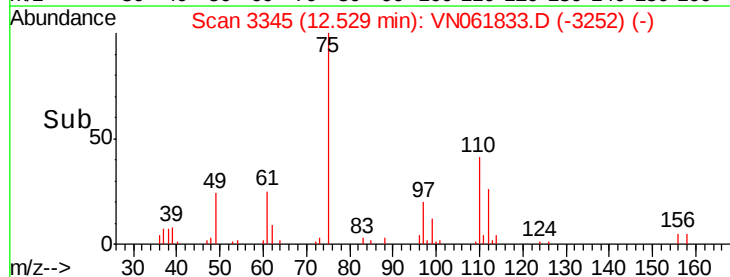
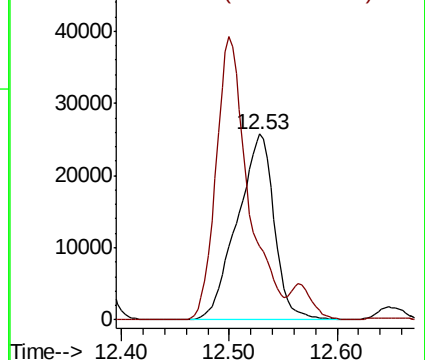
75 100

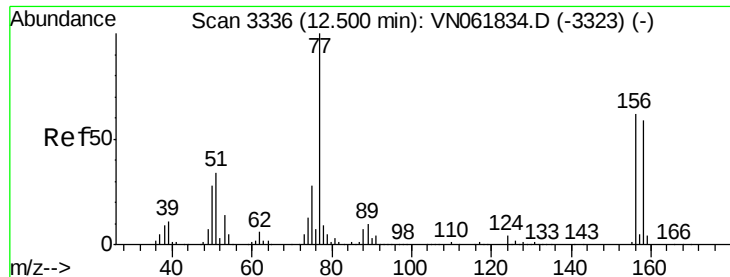
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061833.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061833.D (-3252) (-)





#77

Bromobenzene

Concen: 18.908 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

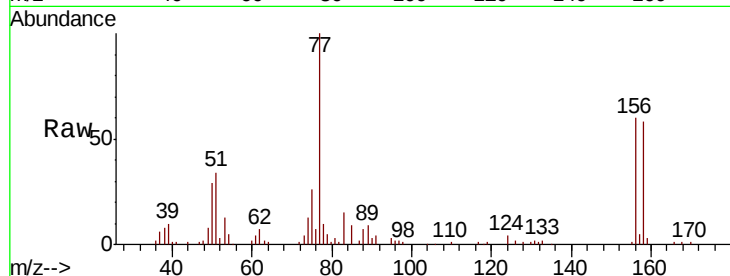
Tot Ion:156 Resp: 39655

Ion Ratio Lower Upper

156 100

77 204.5 100.7 302.1

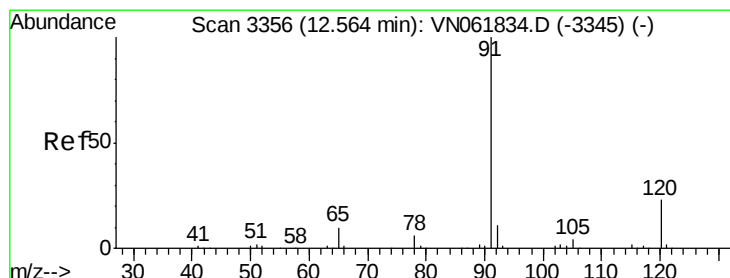
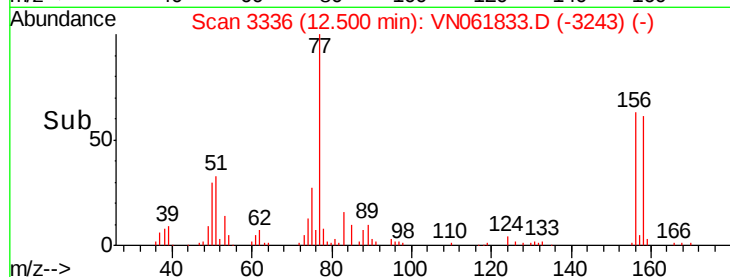
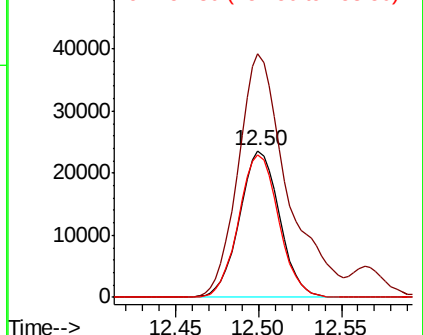
158 97.3 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.679 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061833.D

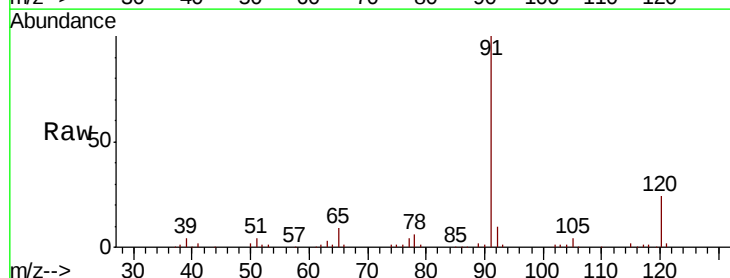
Acq: 16 Jun 2020 18:14

Tgt Ion: 91 Resp: 182597

Ion Ratio Lower Upper

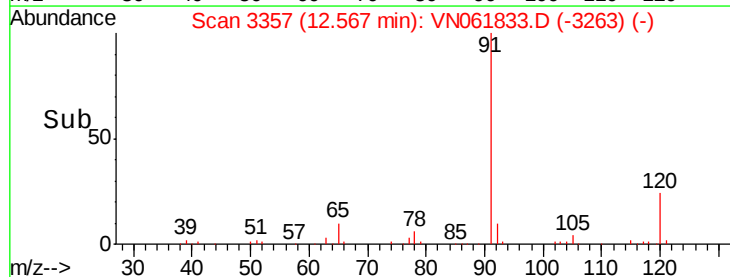
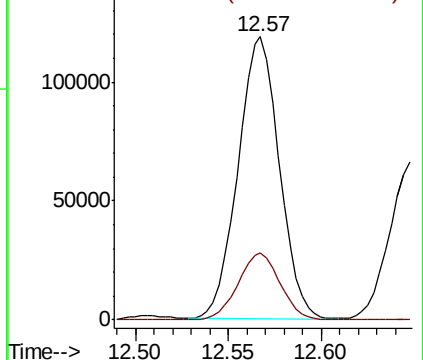
91 100

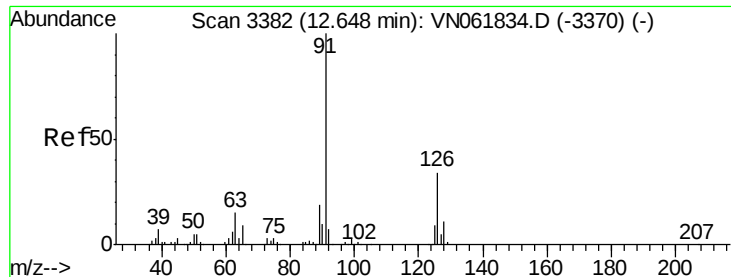
120 24.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

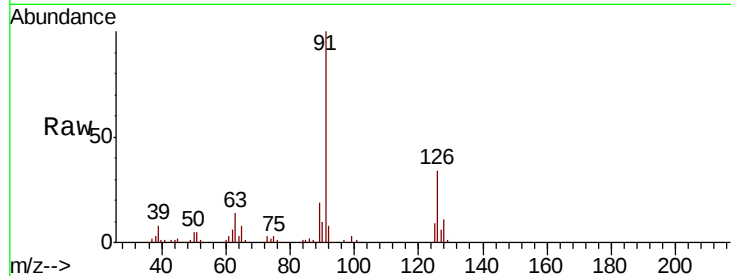




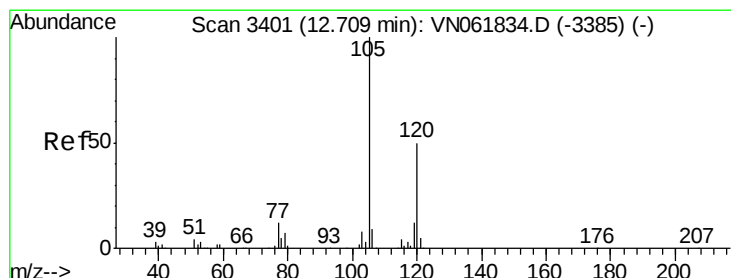
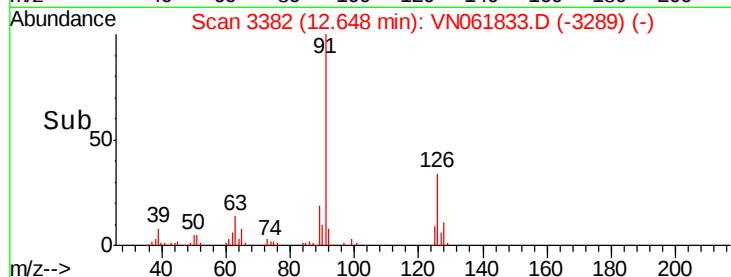
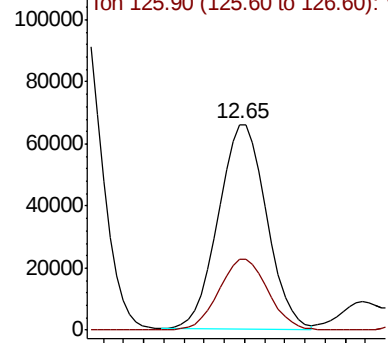
#79
 2-Chlorotoluene
 Concen: 19.971 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 91 Resp: 110454
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.3 51.7

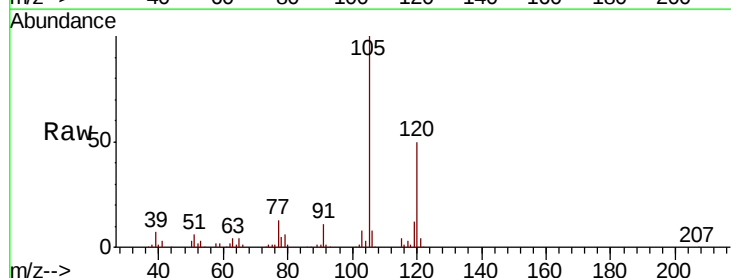


Abundance Ion 91.00 (90.70 to 91.70): VN061833.D (-3382) (-)
 Ion 125.90 (125.60 to 126.60): VN061833.D (-3382) (-)

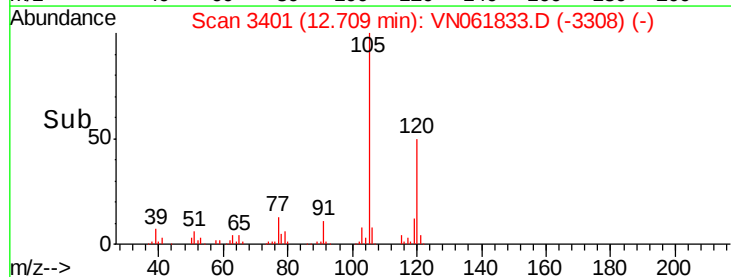
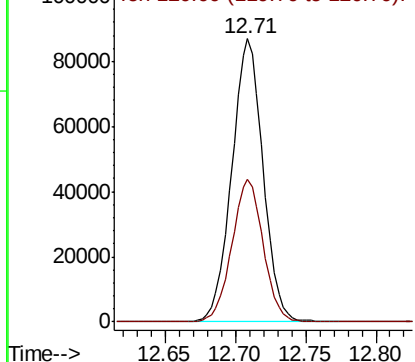


#80
 1,3,5-Trimethylbenzene
 Concen: 19.495 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 105 Resp: 134941
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061833.D (-3398) (-)
 Ion 120.00 (119.70 to 120.70): VN061833.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.367 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

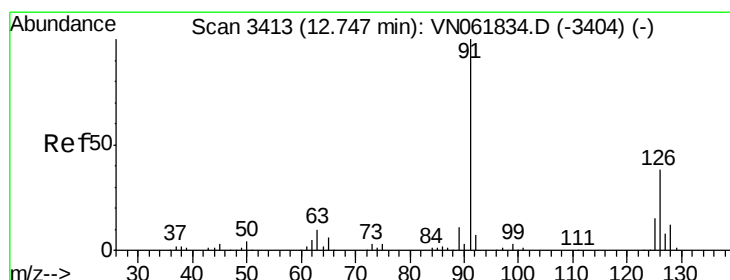
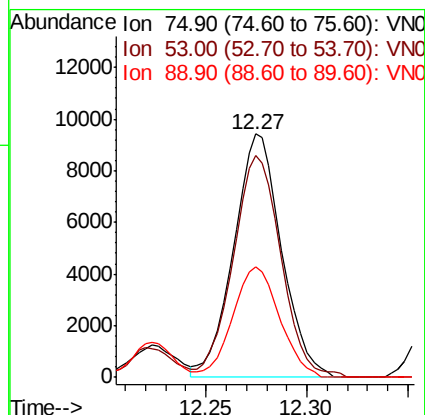
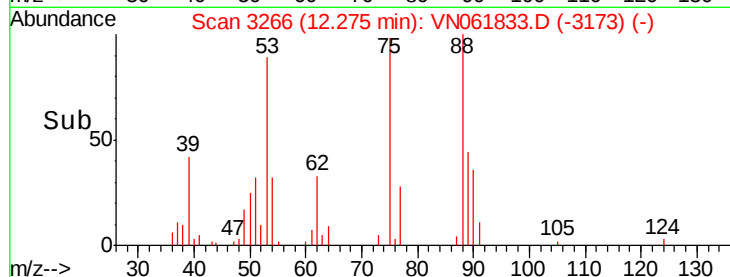
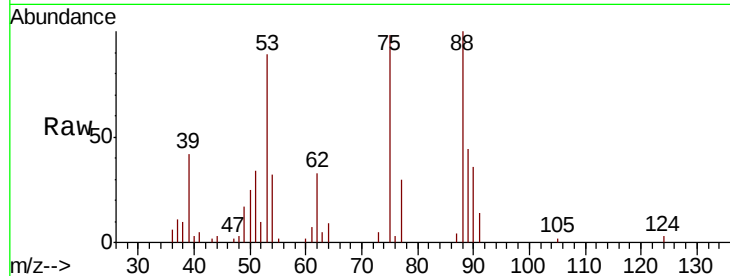
Tot Ion: 75 Resp: 15625

Ion Ratio Lower Upper

75 100

53 91.5 70.4 105.6

89 44.6 36.0 54.0



#82

4-Chlorotoluene

Concen: 19.691 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061833.D

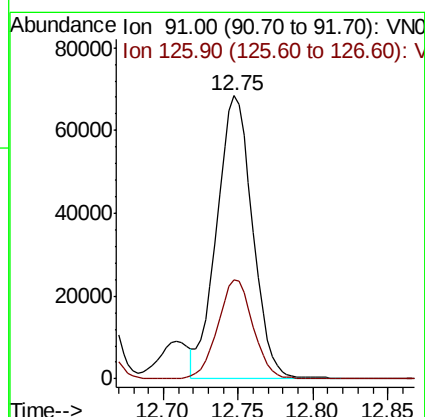
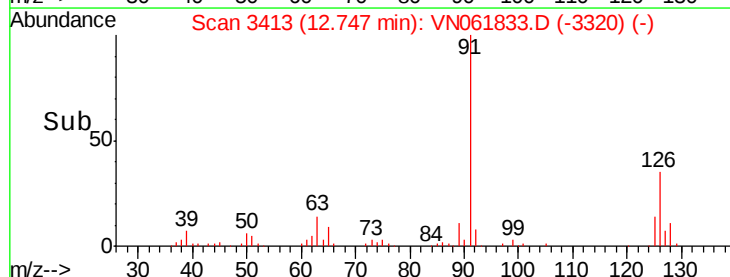
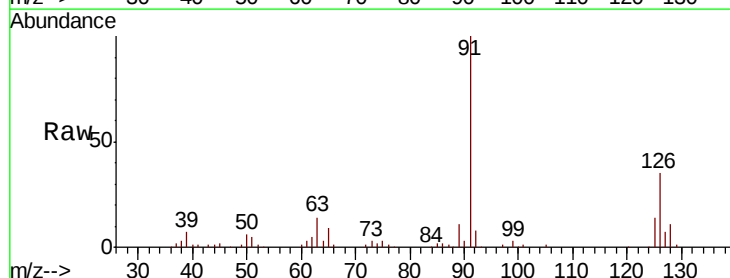
Acq: 16 Jun 2020 18:14

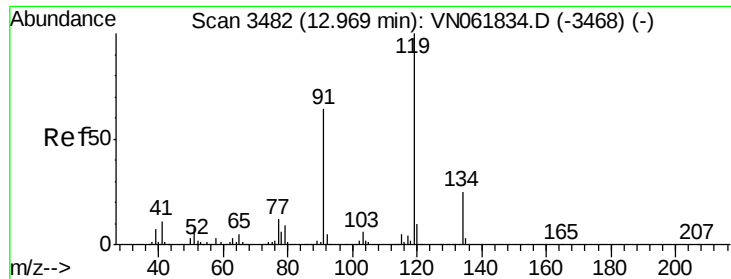
Tgt Ion: 91 Resp: 114401

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6

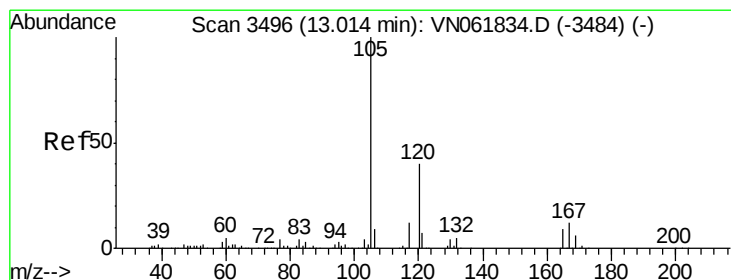
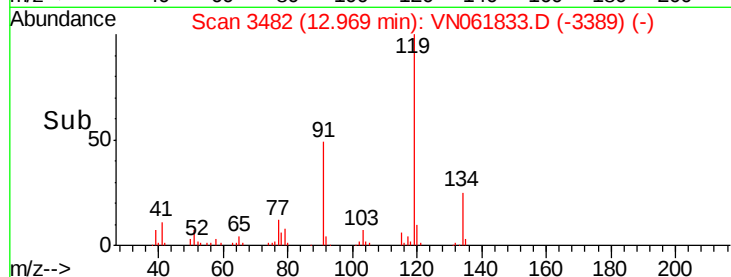
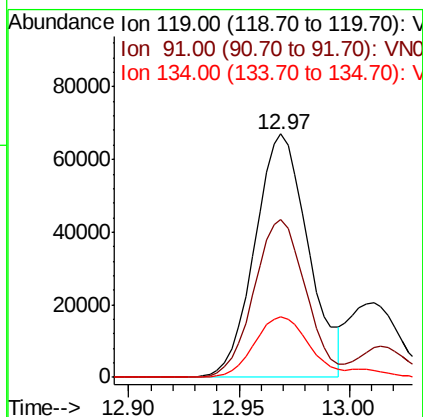
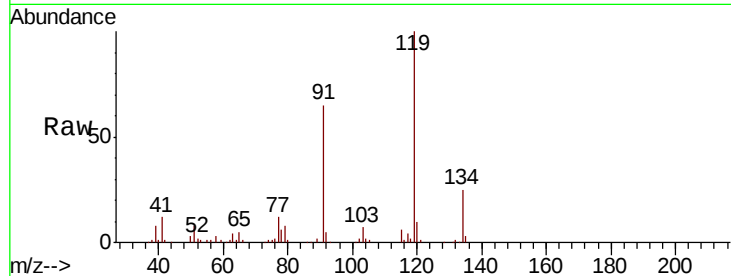




#83
 tert-Butylbenzene
 Concen: 18.520 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

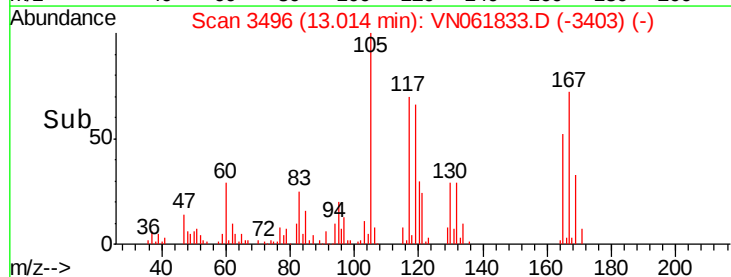
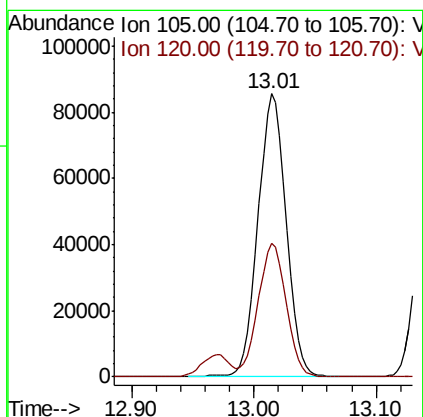
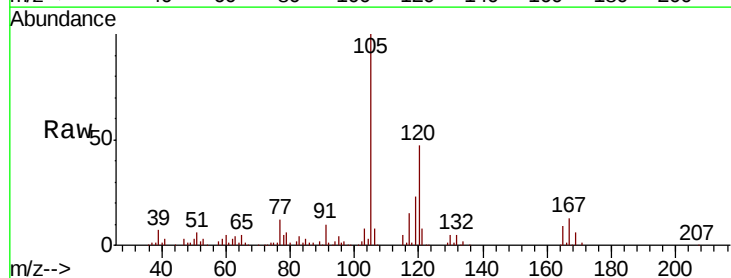
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

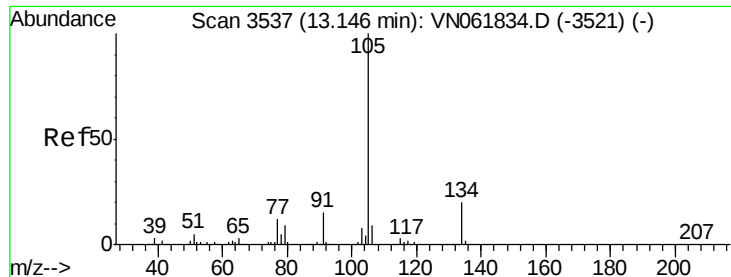
Tot Ion:119 Resp: 112714
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.5 94.5
 134 25.3 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.862 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion:105 Resp: 136577
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.9





#85

sec-Butylbenzene

Concen: 18.942 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

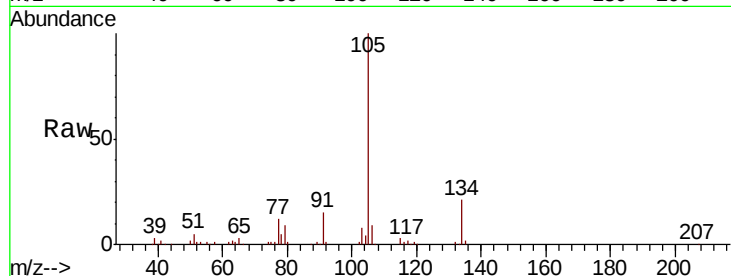
VSTDIC020

Tot Ion:105 Resp: 148616

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

100000

80000

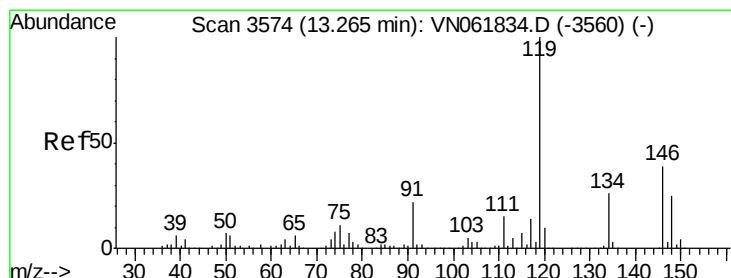
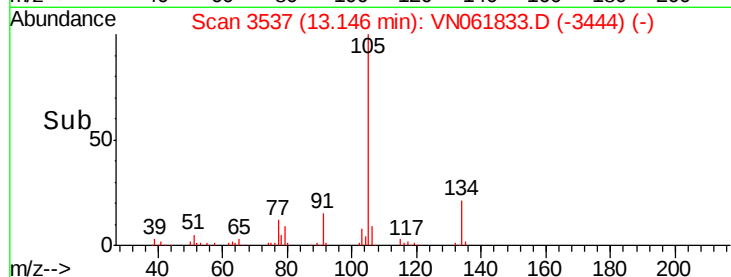
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.454 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

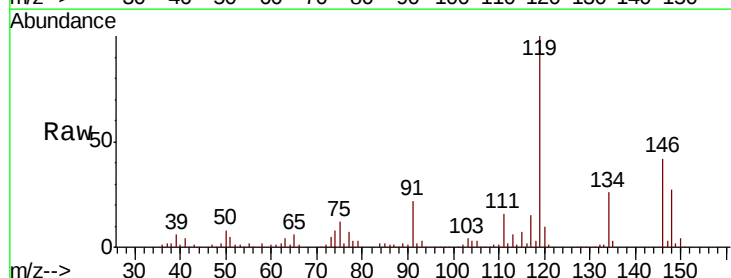
Tgt Ion:119 Resp: 132963

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.3 11.2 33.6



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

120000

100000

80000

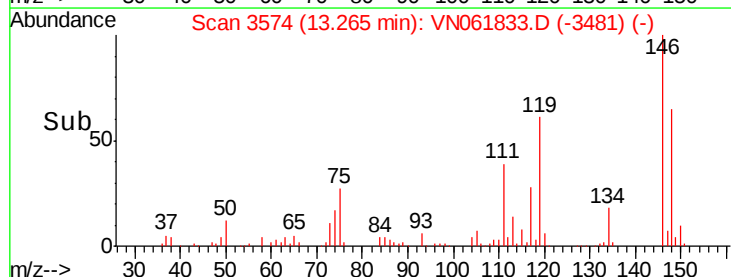
60000

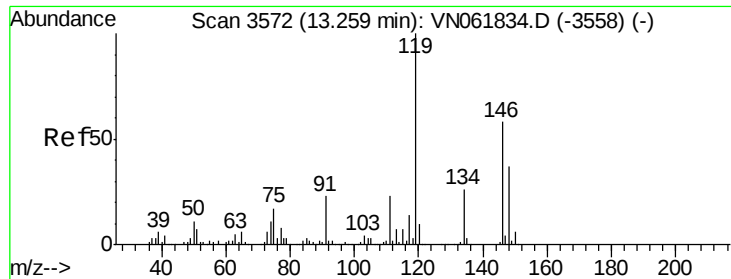
40000

20000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.438 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

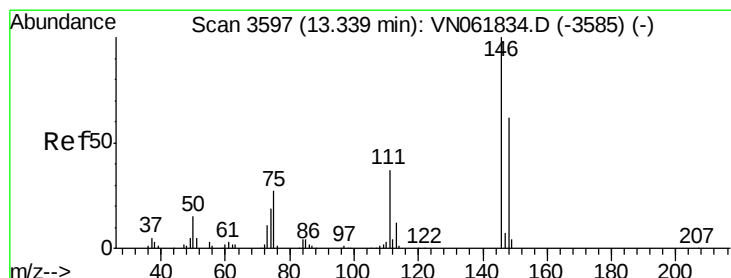
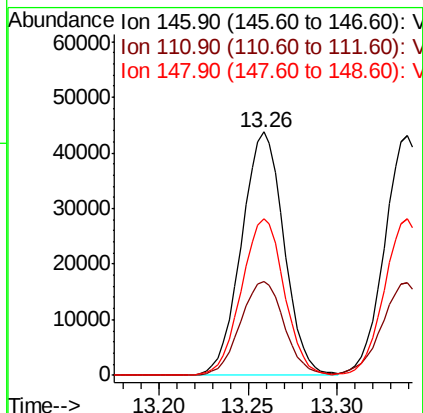
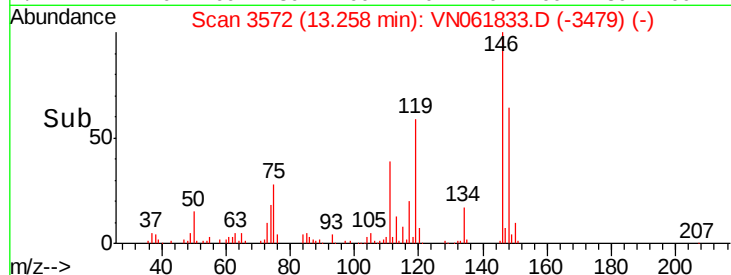
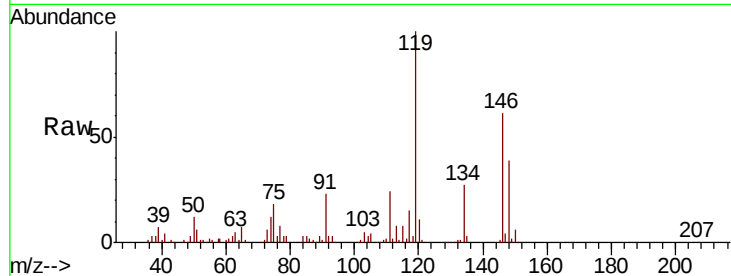
Tot Ion:146 Resp: 72703

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.8

148 64.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 18.843 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

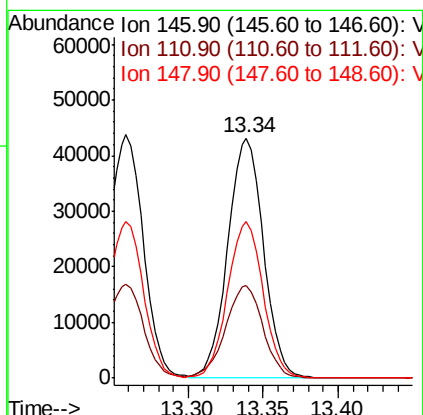
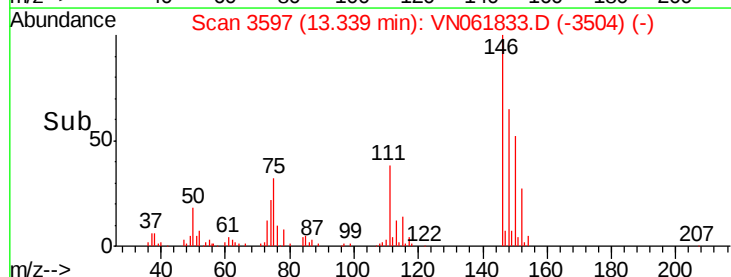
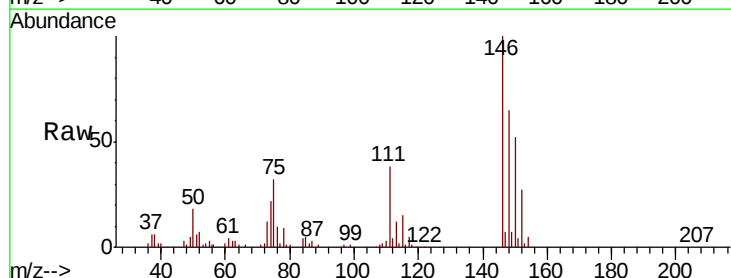
Tgt Ion:146 Resp: 71716

Ion Ratio Lower Upper

146 100

111 40.5 19.3 57.8

148 65.0 31.6 94.7

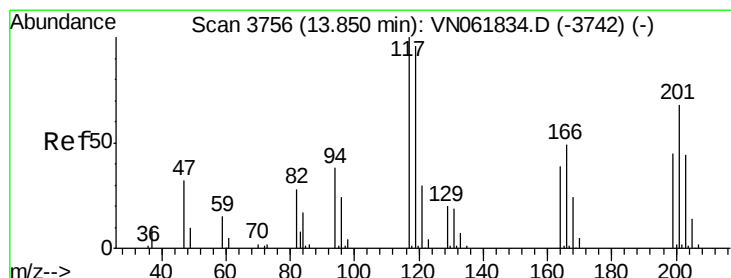
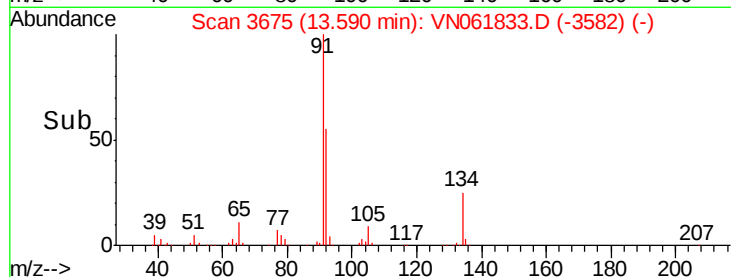
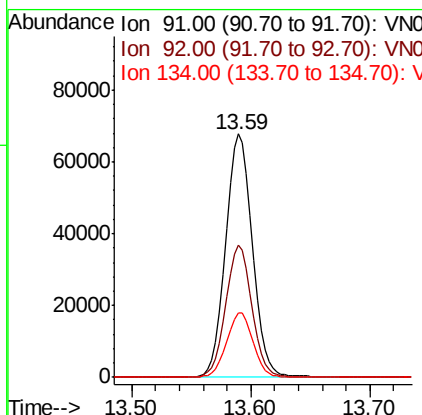
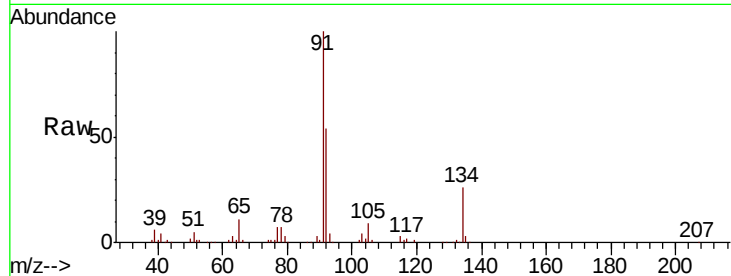




#89
n-Butylbenzene
Concen: 17.558 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

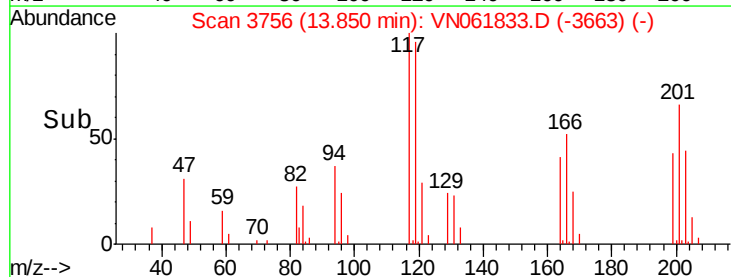
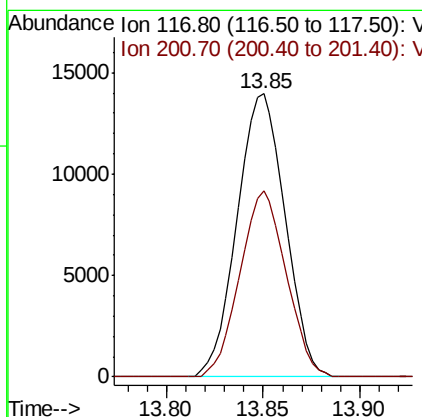
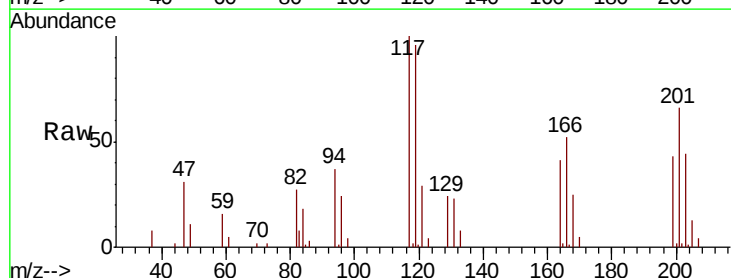
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

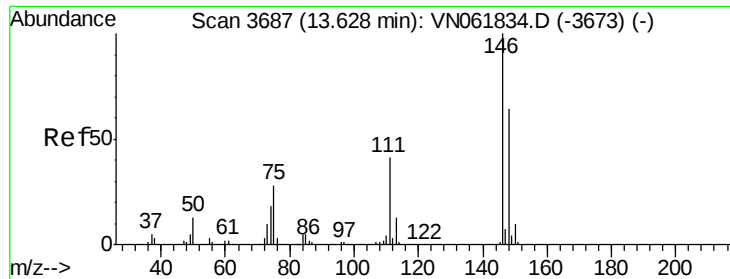
Tot Ion: 91 Resp: 105647
Ion Ratio Lower Upper
91 100
92 53.0 27.0 80.8
134 26.2 13.0 39.0



#90
Hexachloroethane
Concen: 27.546 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion: 117 Resp: 24109
Ion Ratio Lower Upper
117 100
201 63.5 34.6 103.8

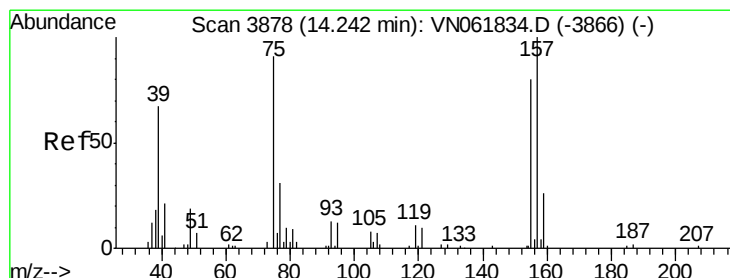
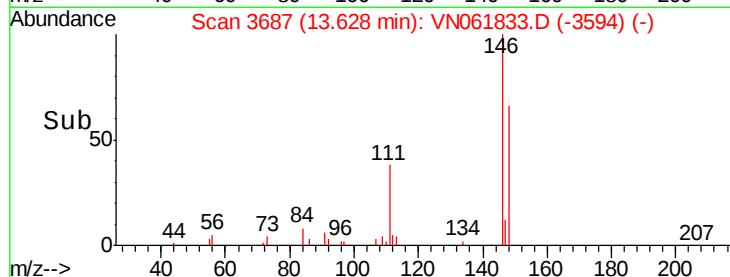
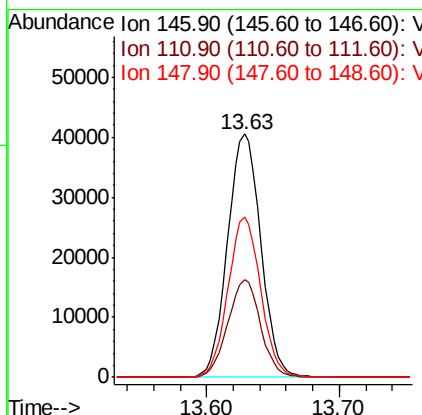
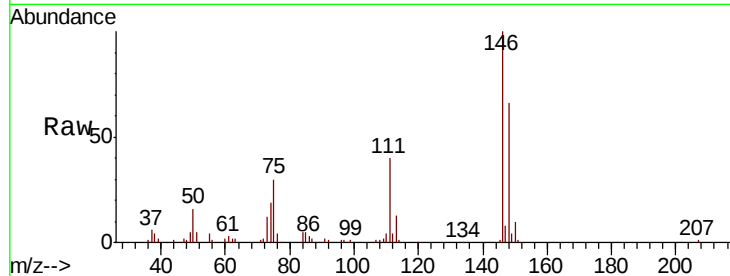




#91
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

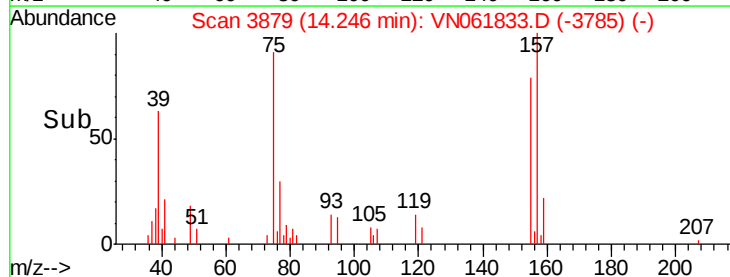
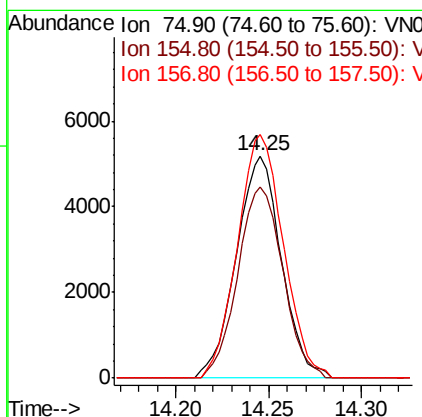
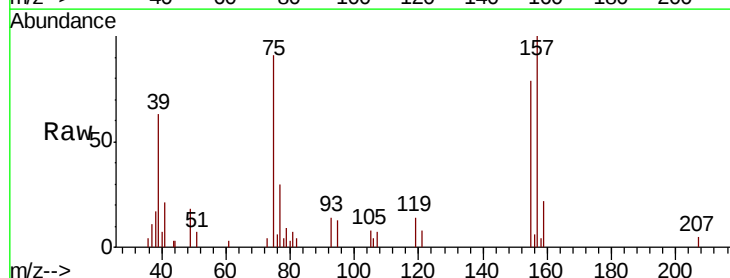
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

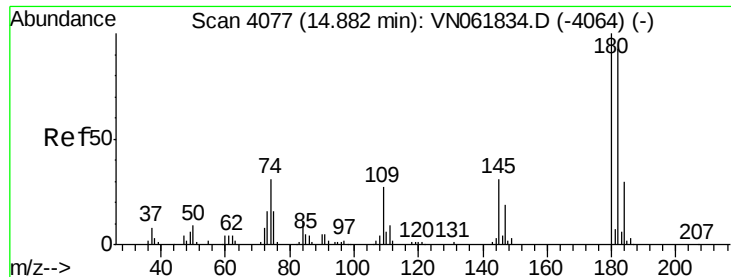
Tot Ion:146 Resp: 70808
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.4 61.2
 148 64.4 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.751 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061833.D
 Acq: 16 Jun 2020 18:14

Tgt Ion: 75 Resp: 8800
 Ion Ratio Lower Upper
 75 100
 155 85.9 44.4 133.2
 157 111.6 57.0 171.2

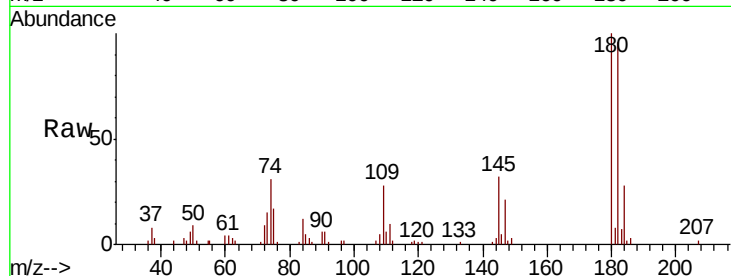




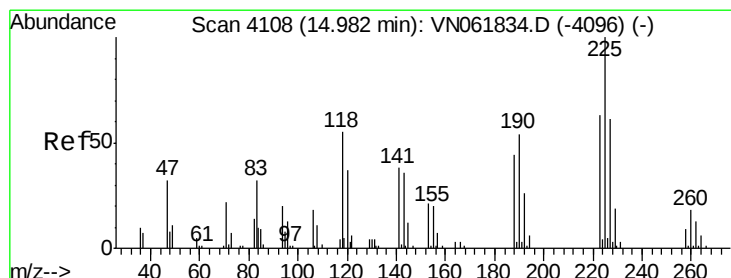
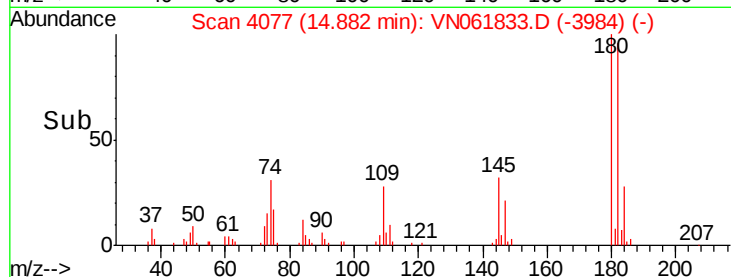
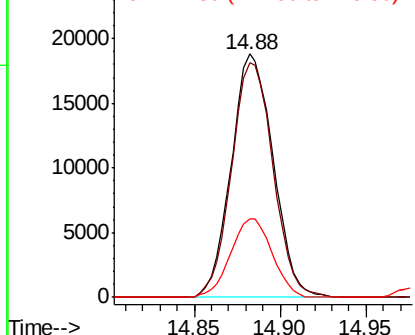
#93
1,2,4-Trichlorobenzene
Concen: 15.727 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:180 Resp: 31848
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.2
145 32.0 15.8 47.3

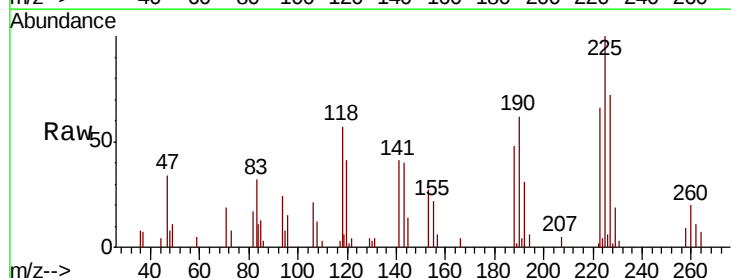


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

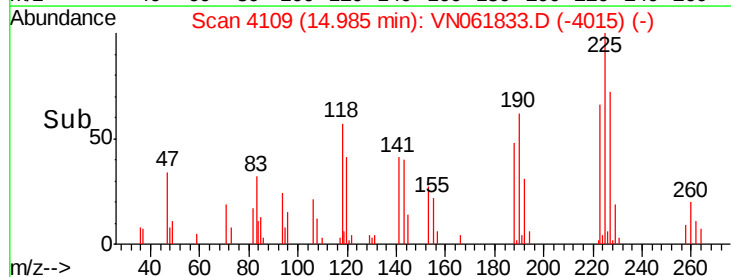
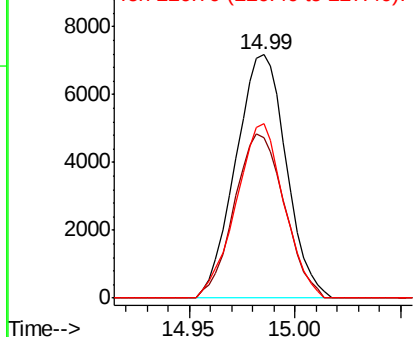


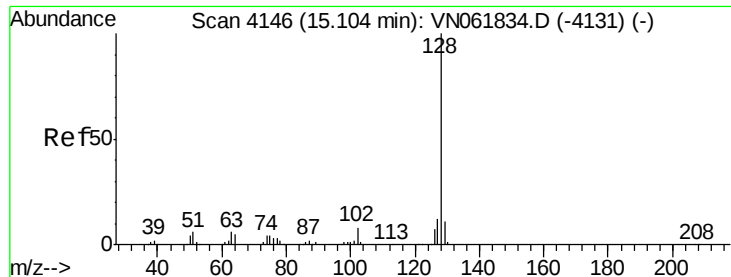
#94
Hexachlorobutadiene
Concen: 13.881 ug/l
RT: 14.99 min Scan# 4109
Delta R.T. 0.00 min
Lab File: VN061833.D
Acq: 16 Jun 2020 18:14

Tgt Ion:225 Resp: 11955
Ion Ratio Lower Upper
225 100
223 66.9 31.7 95.1
227 68.1 30.1 90.3



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





#95

Naphthalene

Concen: 15.370 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

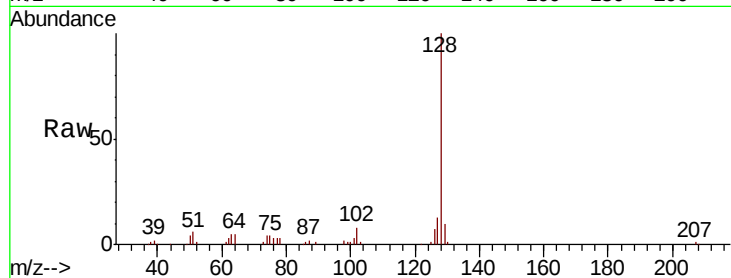
Tot Ion:128 Resp: 93573

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

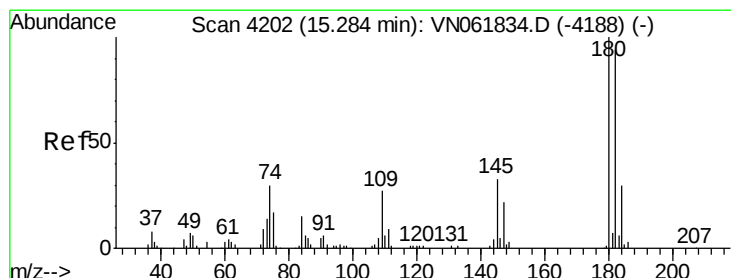
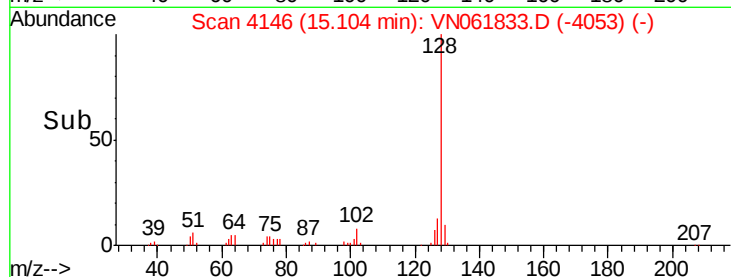
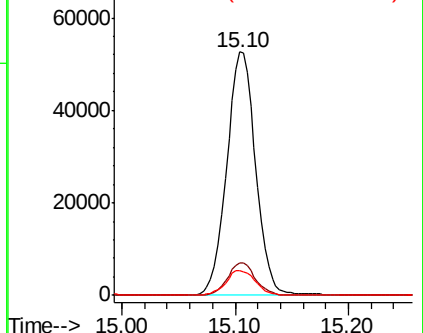
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.509 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061833.D

Acq: 16 Jun 2020 18:14

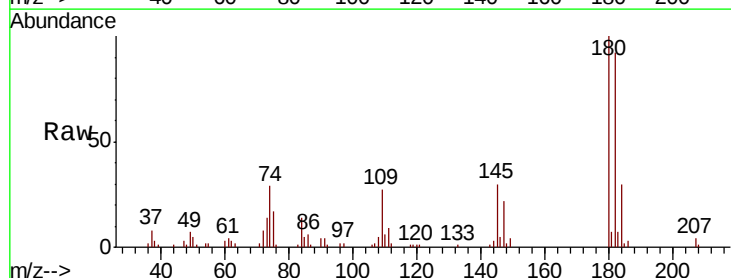
Tgt Ion:180 Resp: 32879

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.6

145 32.0 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

