

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056886.D
 Acq On : 23 Jul 2019 19:03
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 24 02:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60976	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	329593	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	264470	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	120394	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	105693	26.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.70%
63) Toluene-d8	10.09	98	392352	32.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	15994	4.616	ug/l 99
3) Chloromethane	2.06	50	21711	4.755	ug/l 94
4) Vinyl Chloride	2.18	62	20214	4.517	ug/l 96
5) Bromomethane	2.55	94	14369	5.107	ug/l 96
6) Chloroethane	2.70	64	11925	4.679	ug/l 97
7) Trichlorofluoromethane	3.02	101	26099	4.610	ug/l 96
8) Diethyl Ether	3.40	74	9588	4.168	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.74	101	16977	4.803	ug/l 97
10) 1,1-Dichloroethene	3.73	96	15912	4.528	ug/l 93
11) Methyl Iodide	3.95	142	20120	4.228	ug/l 97
12) Methyl Acetate	4.33	43	30257	6.484	ug/l 94
13) Acrolein	3.60	56	11434	30.995	ug/l 93
14) Acrylonitrile	4.99	53	36620	18.229	ug/l 92
15) Acetone	3.82	58	9743	15.238	ug/l 84
16) Carbon Disulfide	4.04	76	40546	4.357	ug/l 98
17) Allyl chloride	4.32	41	26644	4.368	ug/l 90
18) Methylene Chloride	4.55	84	19068	4.624	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	16798	4.491	ug/l 99
20) Diisopropyl ether	5.95	45	53197	4.350	ug/l 92
21) 1,1-Dichloroethane	5.85	63	32209	4.599	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	19445	4.427	ug/l 97
23) tert-Butyl Alcohol	4.74	59	6406	9.058	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	47979	4.323	ug/l # 75
25) Chloroform	7.37	83	31752	4.671	ug/l 99
26) Cyclohexane	7.65	56	27257	4.232	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	21617	4.266	ug/l 99
30) 2-Butanone	6.84	43	45172	16.419	ug/l 97
31) 2,2-Dichloropropane	6.82	77	10686	2.185	ug/l # 58
32) 1,1,1-Trichloroethane	7.57	97	24977	4.581	ug/l 98
33) Carbon Tetrachloride	7.77	117	21205	4.522	ug/l 97
34) Benzene	8.04	78	74418	4.741	ug/l # 67
35) Methacrylonitrile	7.18	41	9143	3.970	ug/l 96
36) 1,2-Dichloroethane	8.13	62	23293	4.649	ug/l 98
37) Trichloroethene	8.83	130	19859	4.681	ug/l 99
38) Methylcyclohexane	9.08	83	27918	4.373	ug/l 97
39) 1,2-Dichloropropane	9.12	63	19643	4.673	ug/l 98
40) Dibromomethane	9.21	93	12229	4.588	ug/l 97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 24 02:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	21803	4.413	ug/l	96
42) Vinyl Acetate	5.90	43	186433	19.297	ug/l	99
43) Ethyl Acetate	6.93	43	18162	3.561	ug/l	98
44) Isopropyl Acetate	8.17	43	30352	3.735	ug/l #	88
45) 1,4-Dioxane	9.21	88	5675	70.705	ug/l	99
46) Methyl methacrylate	9.20	41	15426	3.961	ug/l	96
47) n-amyl Acetate	12.07	43	19998	3.034	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	21294	3.951	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	25351	4.144	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	17162	4.400	ug/l	97
51) Ethyl methacrylate	10.43	69	22008	3.723	ug/l	94
52) 1,3-Dichloropropane	10.71	76	28552	4.409	ug/l	99
53) Dibromochloromethane	10.90	129	15592	3.951	ug/l	98
54) 1,2-Dibromoethane	11.01	107	16569	4.121	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	45318	16.112	ug/l	99
56) Bromoform	12.12	173	9889	3.421	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	90460	19.250	ug/l	99
59) 2-Hexanone	10.75	43	57641	16.613	ug/l	99
61) Tetrachloroethene	10.63	164	20319	5.384	ug/l	96
62) Toluene	10.15	91	75886	4.987	ug/l	99
64) Chlorobenzene	11.43	112	43820	4.727	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	16781	4.895	ug/l	98
66) Ethyl Benzene	11.51	91	72530	4.437	ug/l	99
67) m/p-Xylenes	11.62	106	53458	8.690	ug/l	96
68) o-Xylene	11.95	106	27379	4.535	ug/l	98
69) Styrene	11.96	104	38556	3.877	ug/l	99
70) Isopropylbenzene	12.25	105	69733	4.416	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	20510	4.074	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	24206	5.652	ug/l	63
73) Bromobenzene	12.52	156	17751	4.314	ug/l	98
74) n-propylbenzene	12.59	91	70204	3.992	ug/l	99
75) 2-Chlorotoluene	12.67	91	45329	4.249	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	58790	4.394	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	4503	3.163	ug/l	98
78) 4-Chlorotoluene	12.77	91	37355	3.631	ug/l	99
79) tert-butylbenzene	12.99	119	51382	4.494	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	54125	4.073	ug/l	99
81) sec-Butylbenzene	13.17	105	64757	4.299	ug/l	99
82) p-Isopropyltoluene	13.29	119	54969	4.026	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	24121	3.561	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	20721	3.206	ug/l	100
85) n-Butylbenzene	13.61	91	36448	3.267	ug/l	99
86) Hexachloroethane	13.87	117	8913	4.087	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	24349	3.565	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2556	2.977	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	7115	1.993	ug/l	98
90) Hexachlorobutadiene	15.01	225	10410	4.349	ug/l	98
91) Naphthalene	15.13	128	18903	1.955	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	9702	2.561	ug/l	98

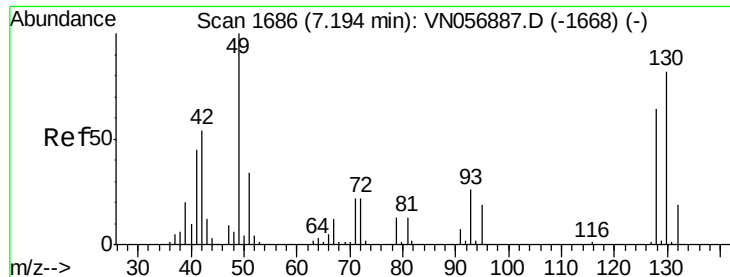
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
Data File : VN056886.D
Acq On : 23 Jul 2019 19:03
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 24 02:38:28 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

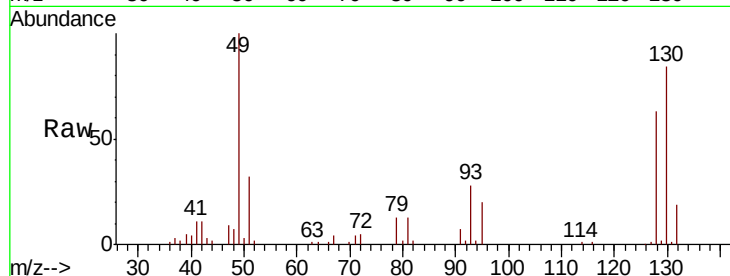
Tot Ion:128 Resp: 60976

Ion Ratio Lower Upper

128 100

49 155.4 0.0 385.8

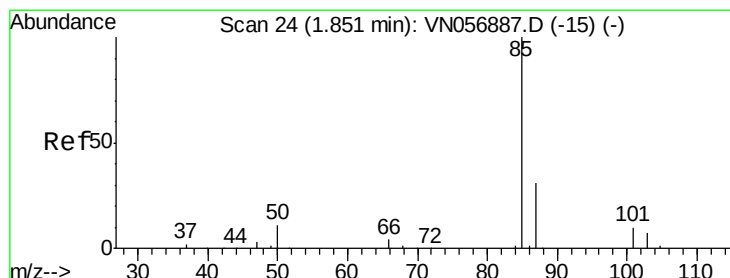
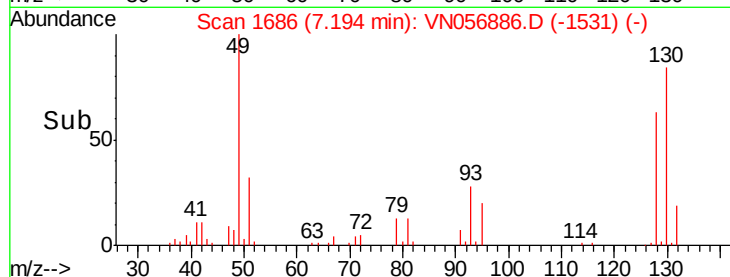
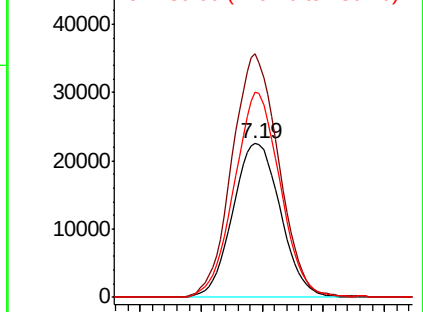
130 128.2 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.616 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN056886.D

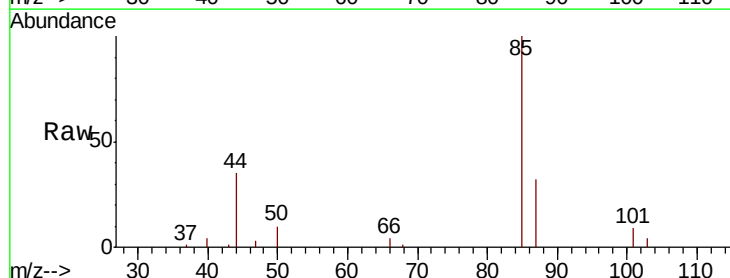
Acq: 23 Jul 2019 19:03

Tgt Ion: 85 Resp: 15994

Ion Ratio Lower Upper

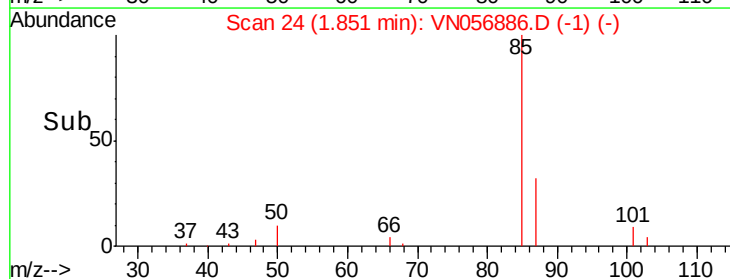
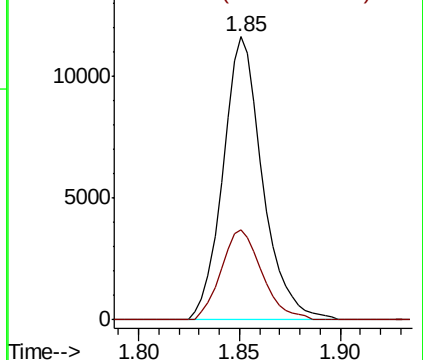
85 100

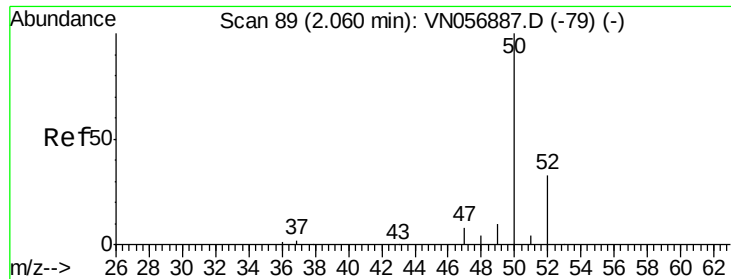
87 31.9 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 4.755 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

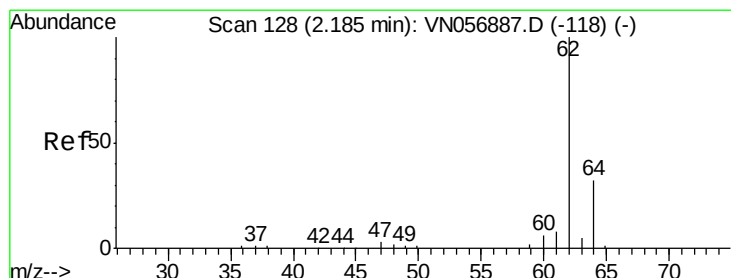
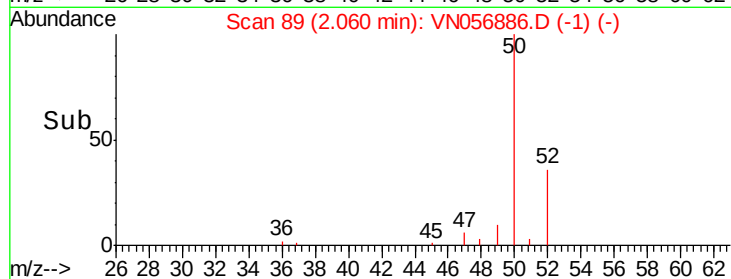
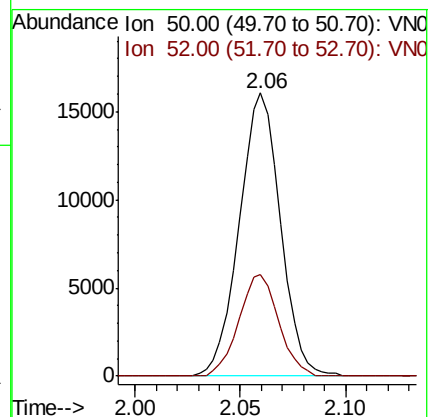
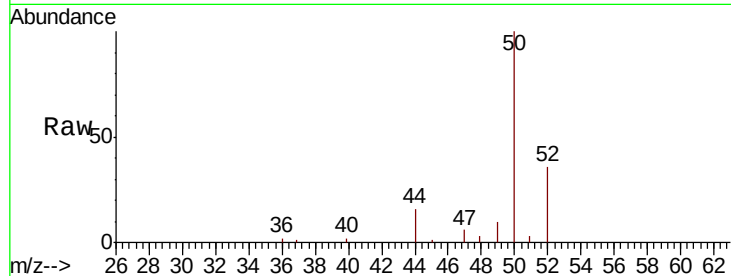
VSTDIC005

Tot Ion: 50 Resp: 21711

Ion Ratio Lower Upper

50 100

52 36.1 26.2 39.2



#4

Vinyl Chloride

Concen: 4.517 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056886.D

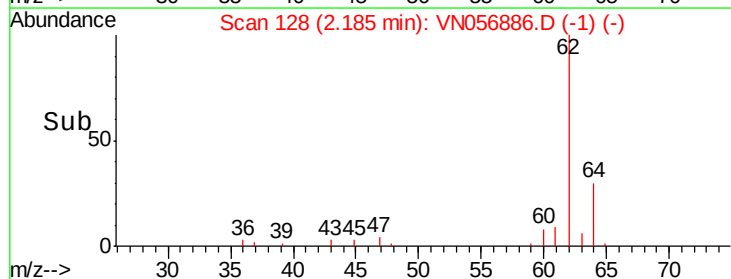
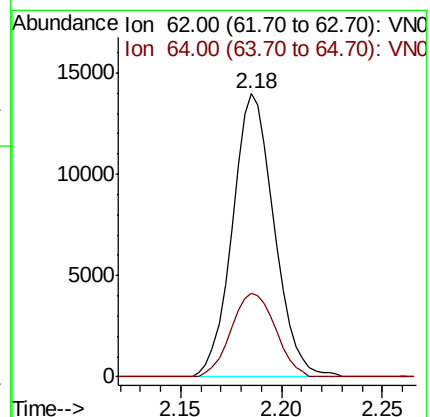
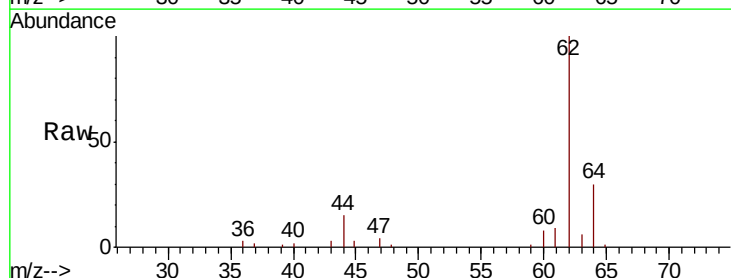
Acq: 23 Jul 2019 19:03

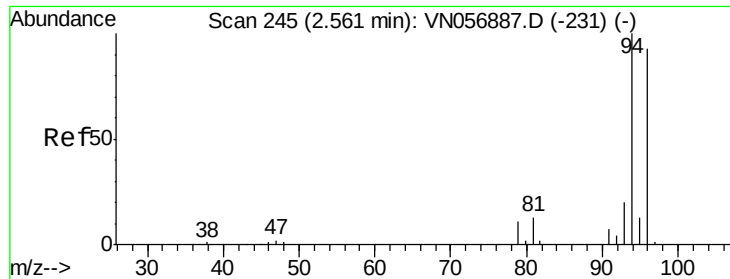
Tgt Ion: 62 Resp: 20214

Ion Ratio Lower Upper

62 100

64 29.6 25.4 38.0





#5

Bromomethane

Concen: 5.107 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

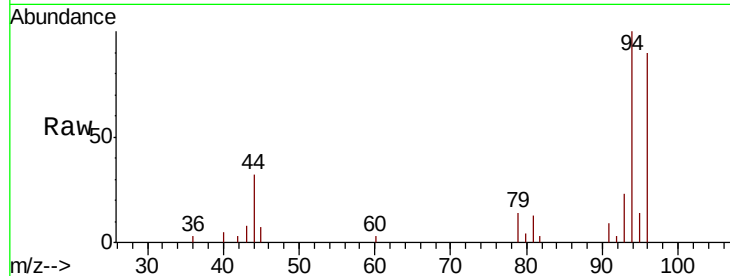
VSTDIC005

Tot Ion: 94 Resp: 14369

Ion Ratio Lower Upper

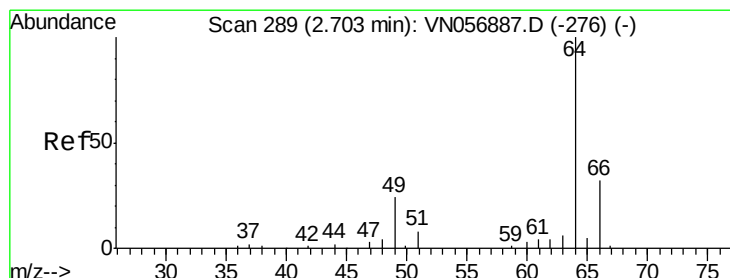
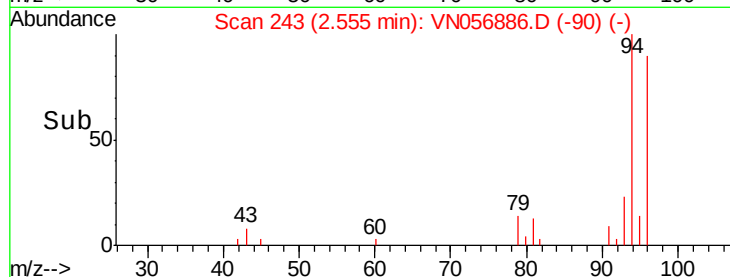
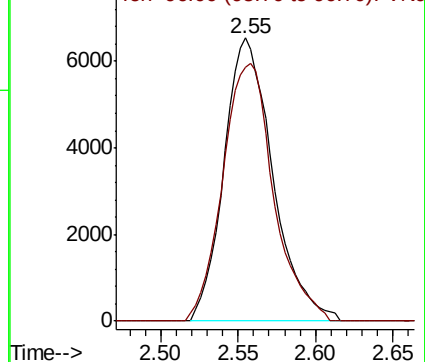
94 100

96 89.7 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.679 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN056886.D

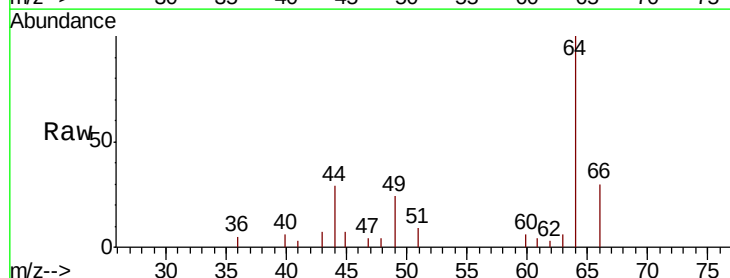
Acq: 23 Jul 2019 19:03

Tgt Ion: 64 Resp: 11925

Ion Ratio Lower Upper

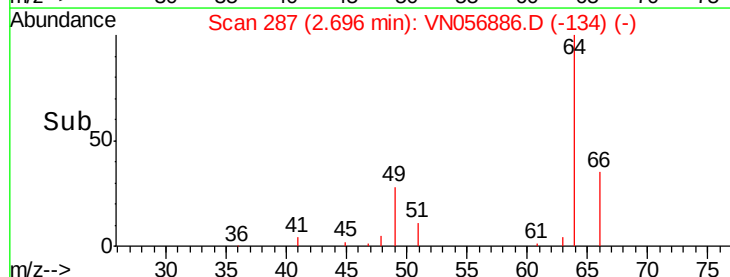
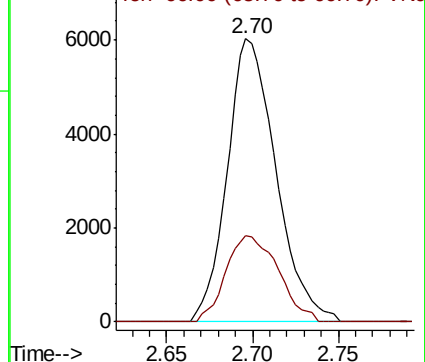
64 100

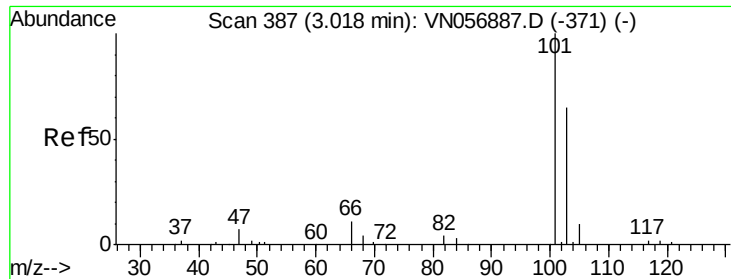
66 30.5 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



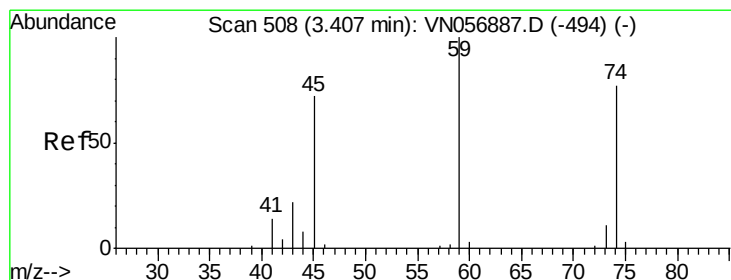
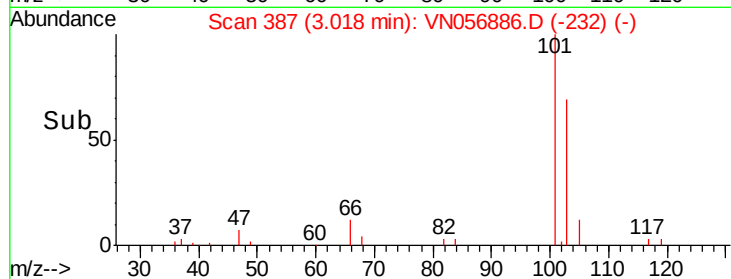
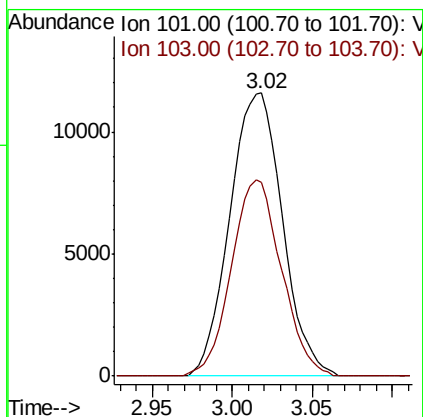
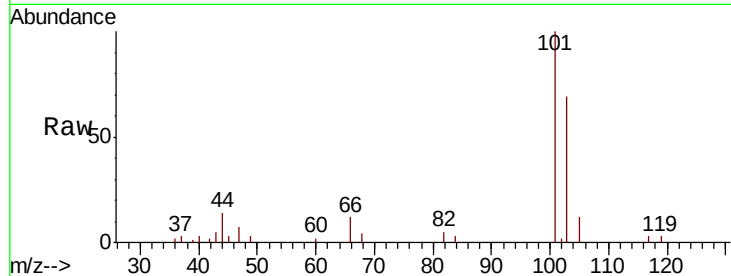


#7

Trichlorofluoromethane
 Concen: 4.610 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

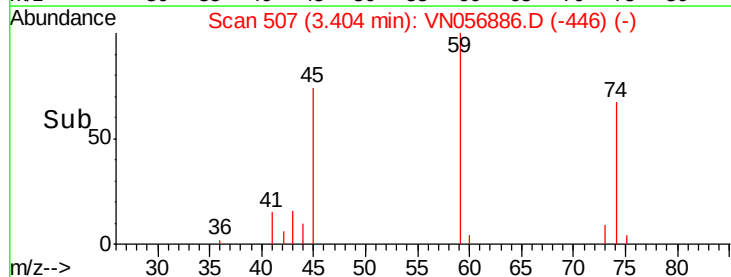
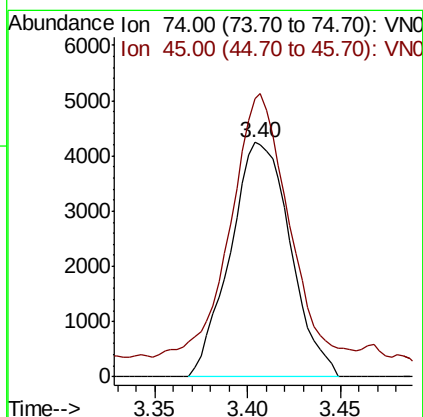
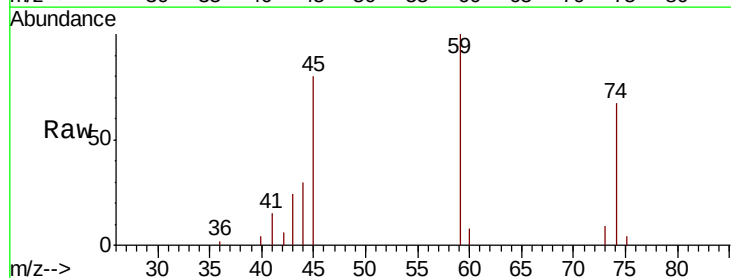
Tot Ion:101 Resp: 26099
 Ion Ratio Lower Upper
 101 100
 103 68.6 52.2 78.4

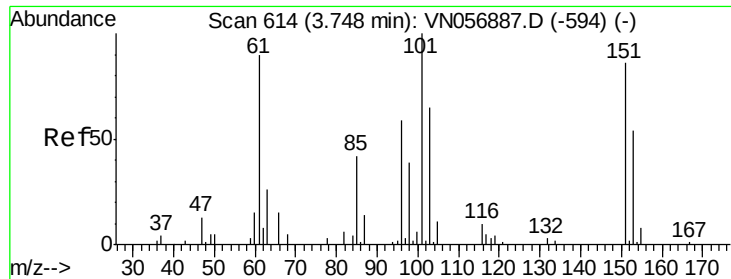


#8

Diethyl Ether
 Concen: 4.168 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 74 Resp: 9588
 Ion Ratio Lower Upper
 74 100
 45 107.7 19.5 175.7

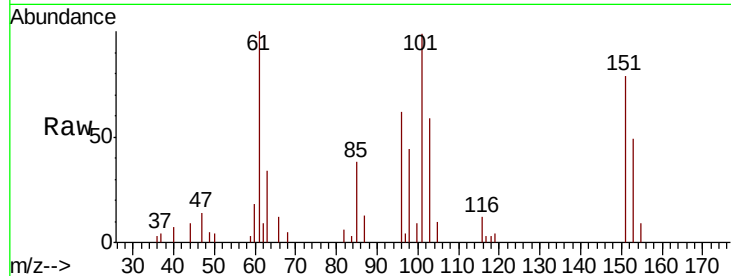




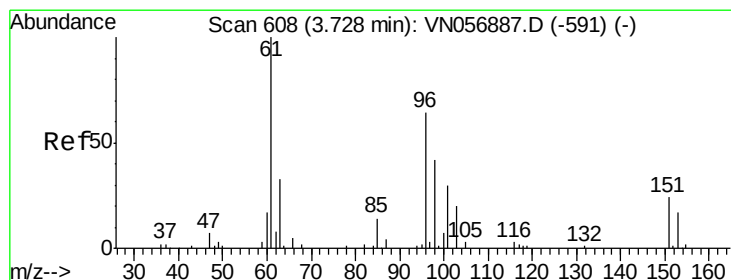
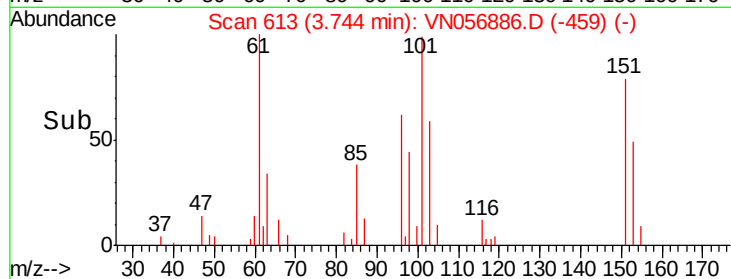
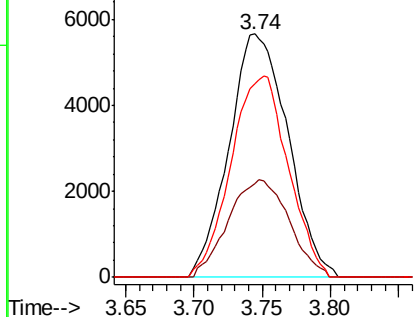
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.803 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 16977
 Ion Ratio Lower Upper
 101 100
 85 41.2 0.0 85.0
 151 80.5 0.0 167.2

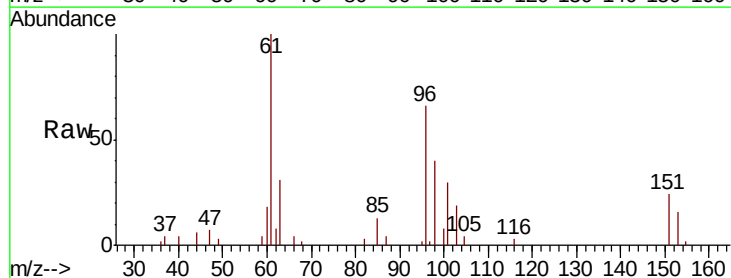


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

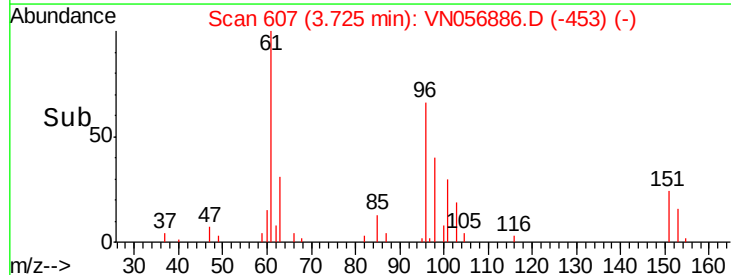
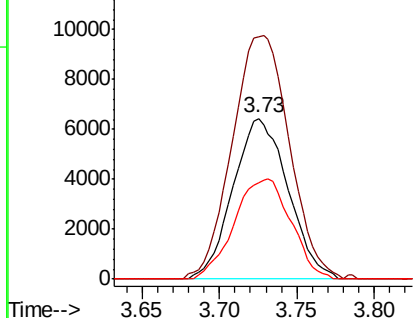


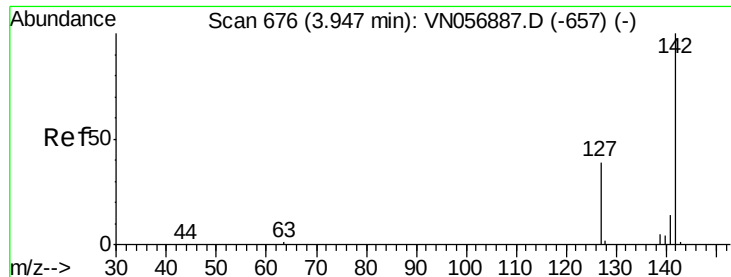
#10
 1,1-Dichloroethene
 Concen: 4.528 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 96 Resp: 15912
 Ion Ratio Lower Upper
 96 100
 61 148.1 125.8 188.8
 98 60.0 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VN
 Ion 98.00 (97.70 to 98.70): VN

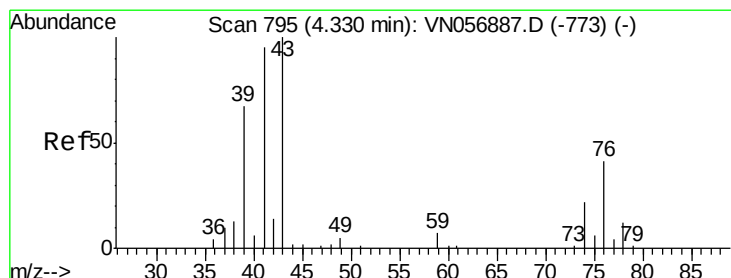
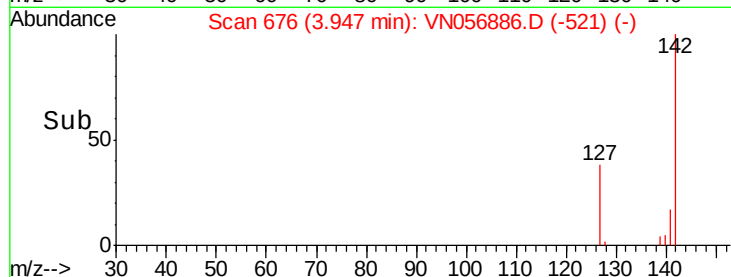
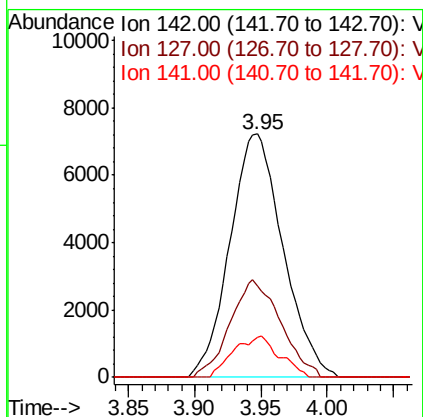
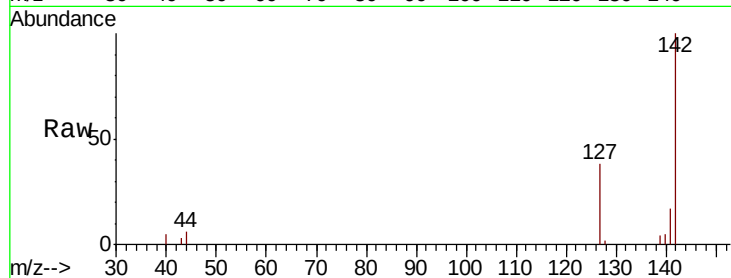




#11
Methyl Iodide
Concen: 4.228 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

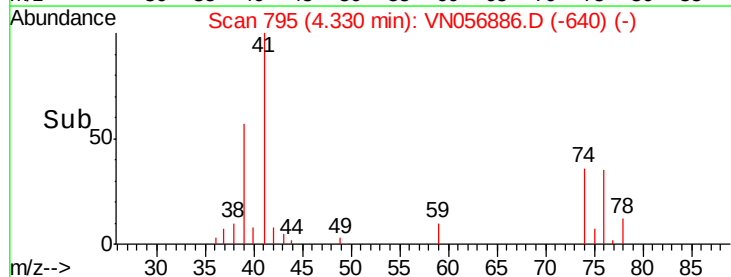
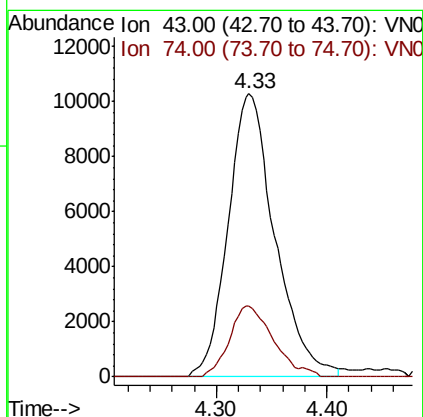
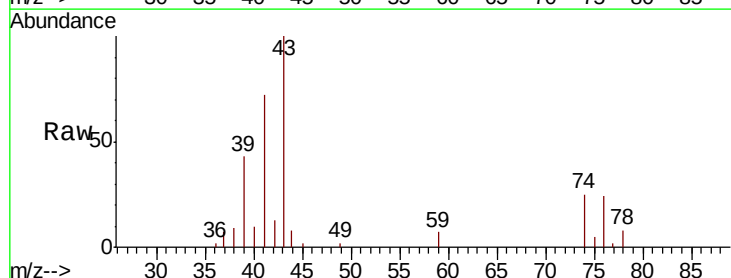
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

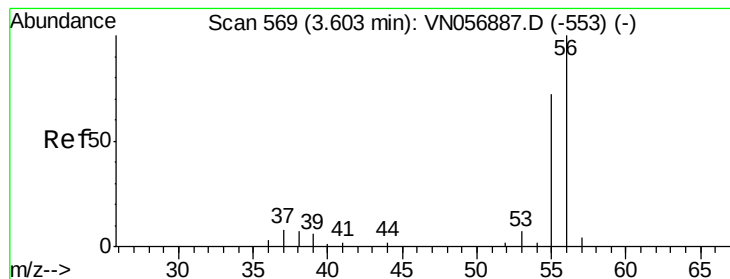
Tot Ion:142 Resp: 20120
Ion Ratio Lower Upper
142 100
127 37.7 19.6 58.8
141 16.5 7.2 21.6



#12
Methyl Acetate
Concen: 6.484 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 43 Resp: 30257
Ion Ratio Lower Upper
43 100
74 25.3 18.1 27.1





#13

Acrolein

Concen: 30.995 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

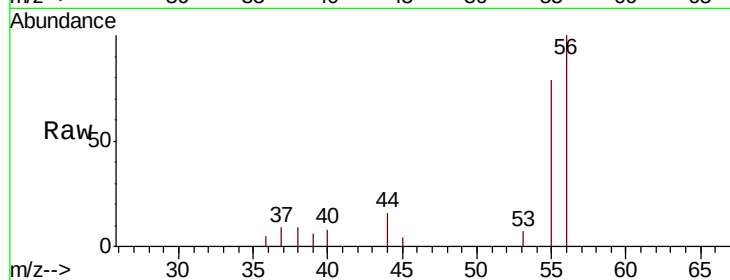
VSTDIC005

Tot Ion: 56 Resp: 11434

Ion Ratio Lower Upper

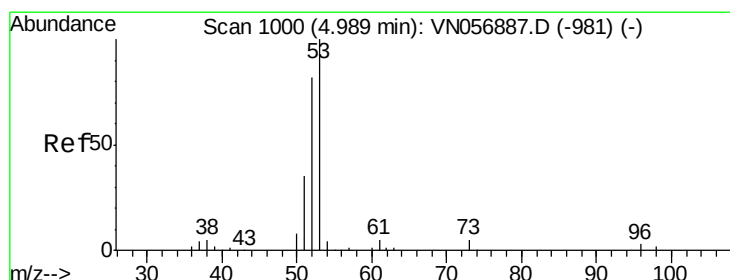
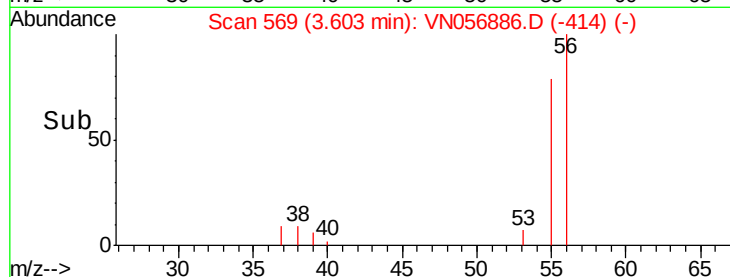
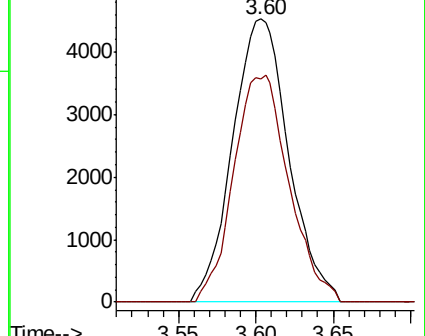
56 100

55 79.0 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 18.229 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

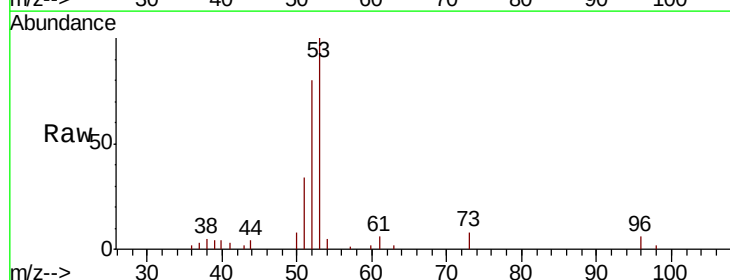
Tgt Ion: 53 Resp: 36620

Ion Ratio Lower Upper

53 100

52 81.9 40.8 122.5

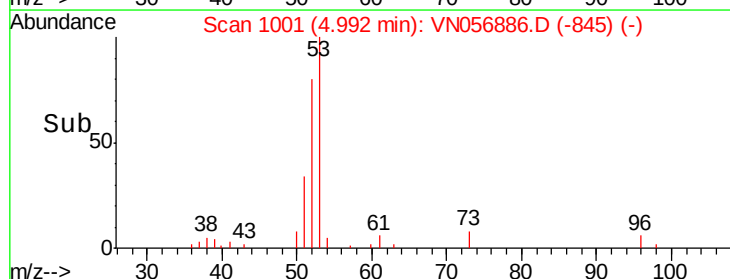
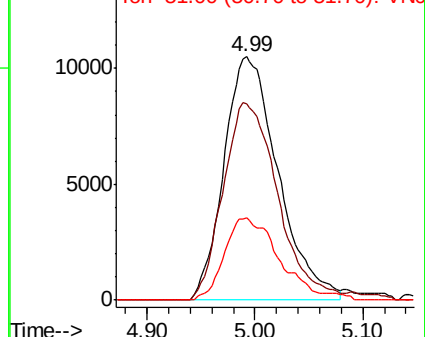
51 19.5 17.4 52.2

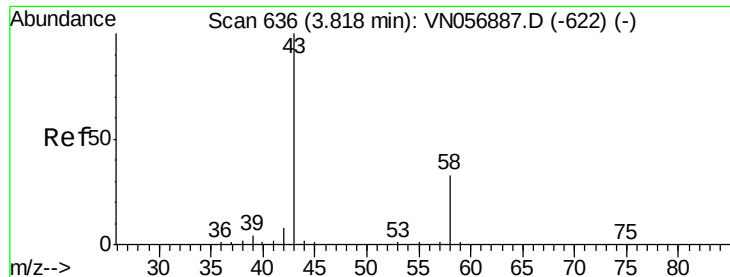


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 15.238 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

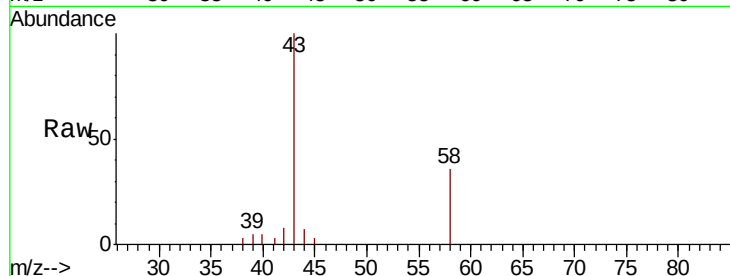
VSTDIC005

Tot Ion: 58 Resp: 9743

Ion Ratio Lower Upper

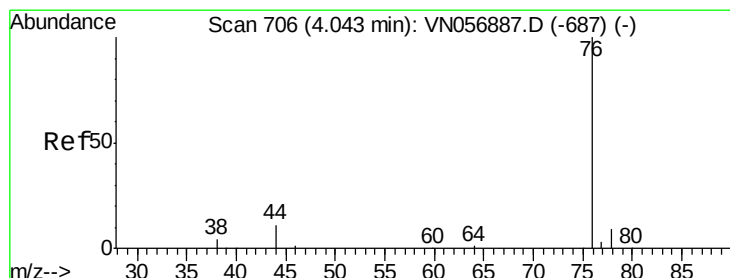
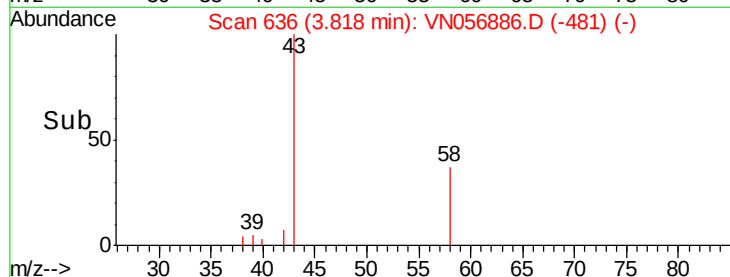
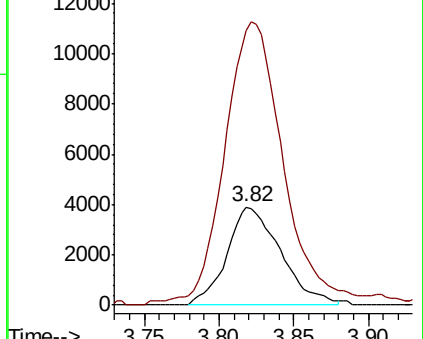
58 100

43 270.8 242.4 363.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.357 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056886.D

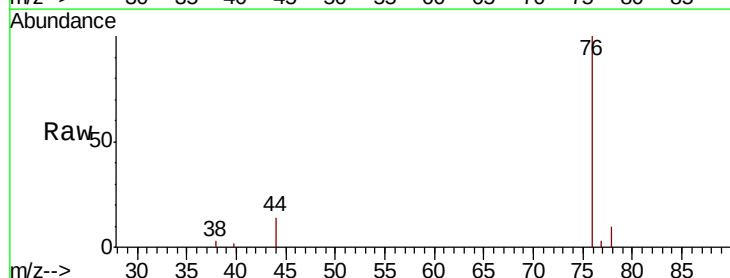
Acq: 23 Jul 2019 19:03

Tgt Ion: 76 Resp: 40546

Ion Ratio Lower Upper

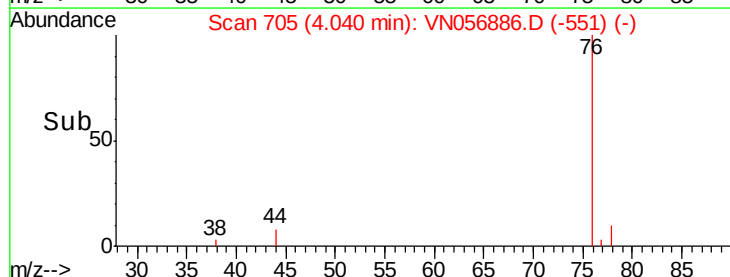
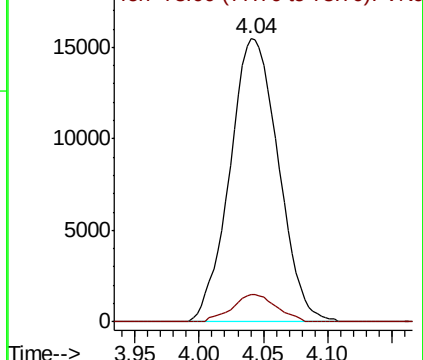
76 100

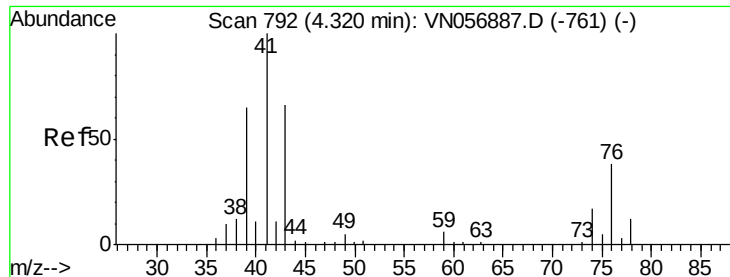
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

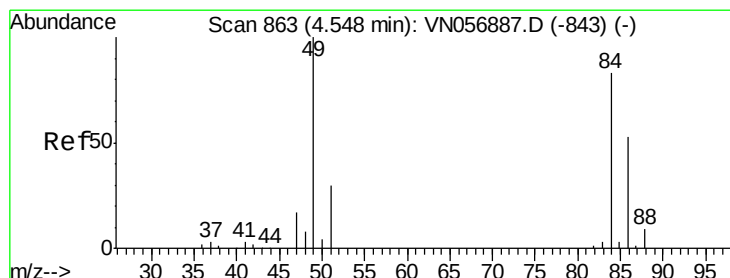
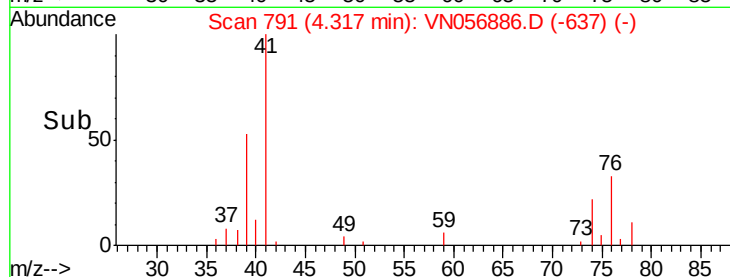
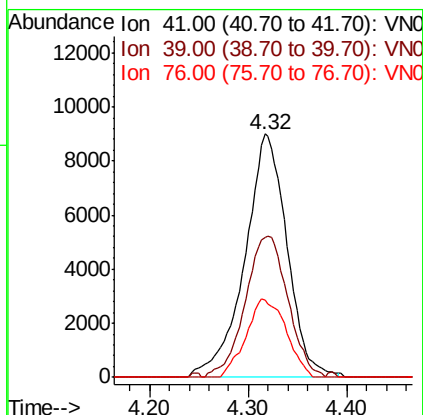
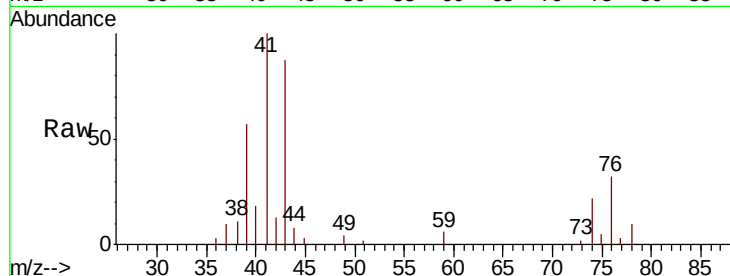




#17
Allvl chloride
Concen: 4.368 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

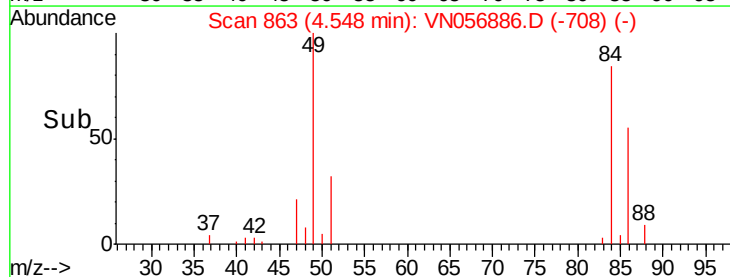
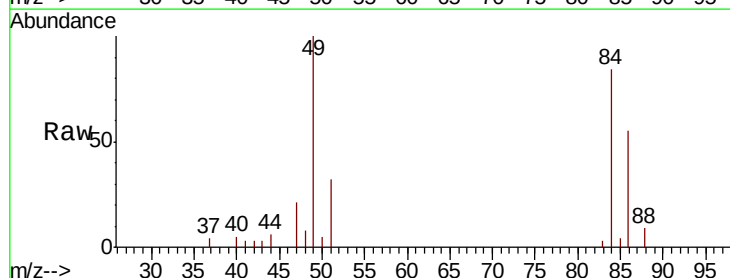
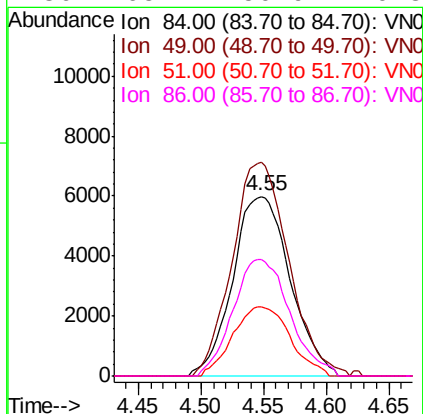
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

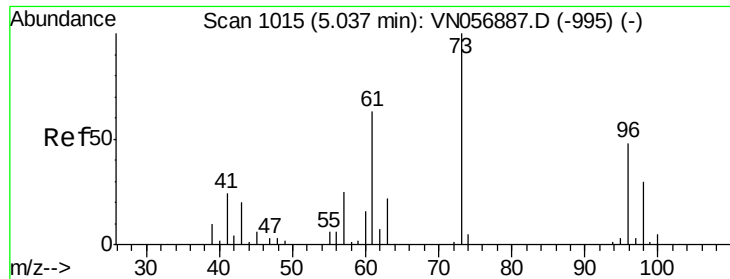
Tot Ion: 41 Resp: 26644
Ion Ratio Lower Upper
41 100
39 57.5 32.4 97.0
76 31.6 19.0 57.0



#18
Methylene Chloride
Concen: 4.624 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 84 Resp: 19068
Ion Ratio Lower Upper
84 100
49 118.9 96.3 144.5
51 38.5 28.8 43.2
86 65.2 50.9 76.3

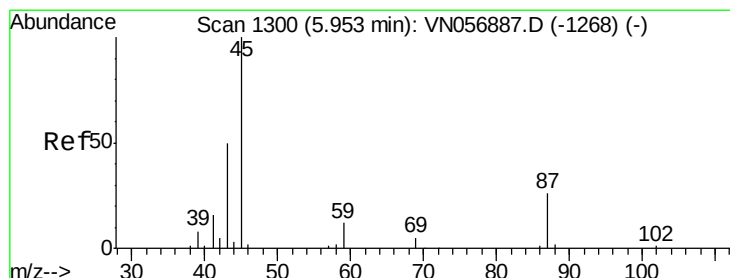
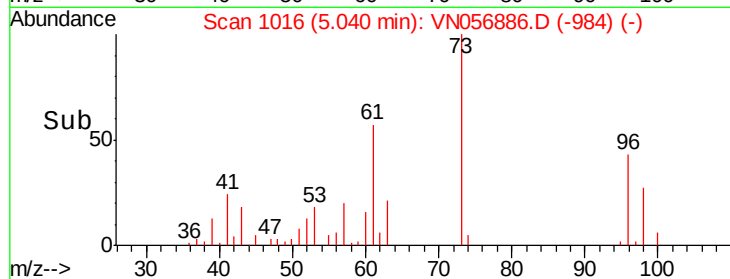
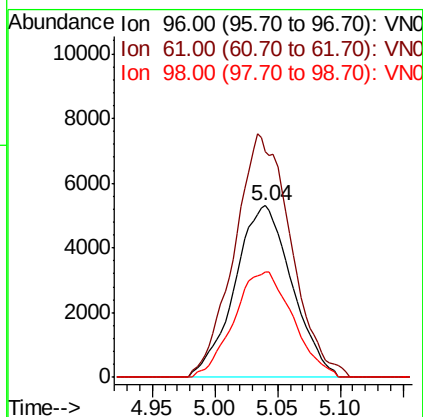
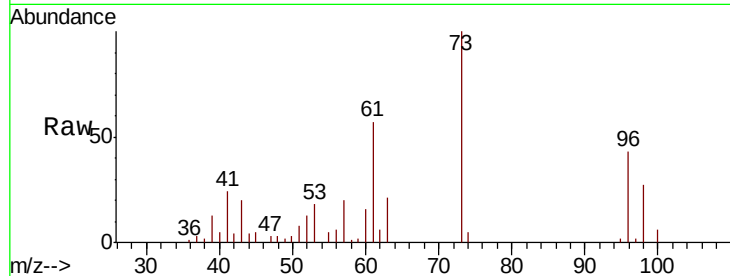




#19
trans-1,2-Dichloroethene
Concen: 4.491 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

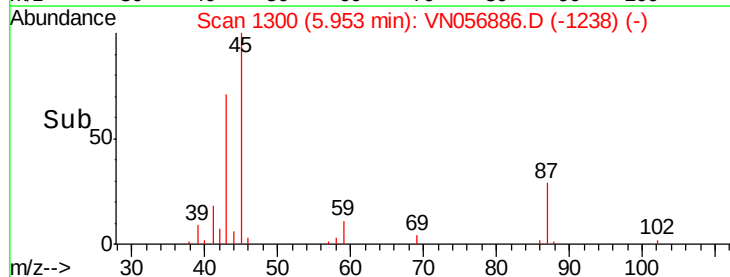
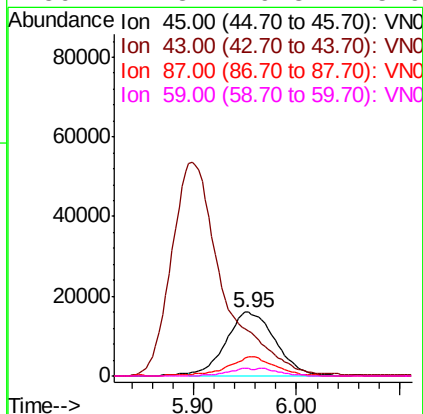
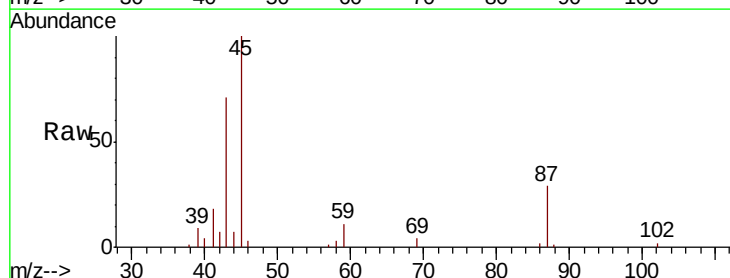
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

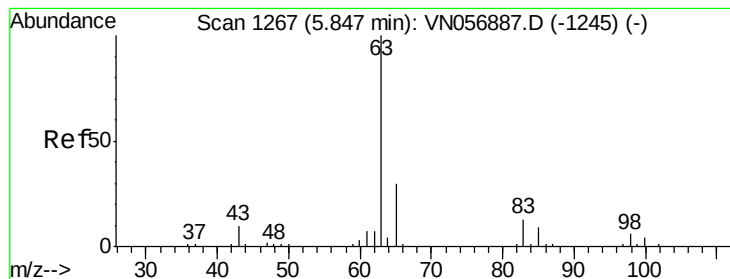
Tot Ion: 96 Resp: 16798
Ion Ratio Lower Upper
96 100
61 131.7 105.4 158.0
98 61.6 50.8 76.2



#20
Diisopropyl ether
Concen: 4.350 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 45 Resp: 53197
Ion Ratio Lower Upper
45 100
43 67.4 47.4 71.0
87 29.3 21.7 32.5
59 11.3 9.3 13.9





#21

1,1-Dichloroethane

Concen: 4.599 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

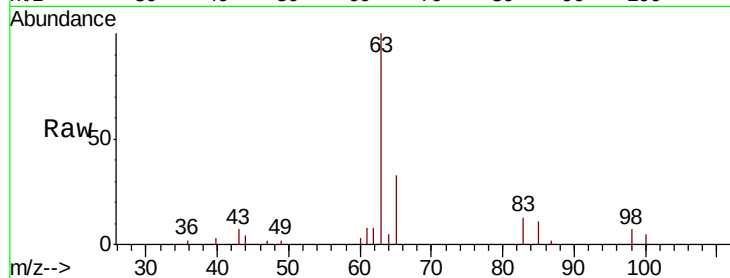
Tot Ion: 63 Resp: 32209

Ion Ratio Lower Upper

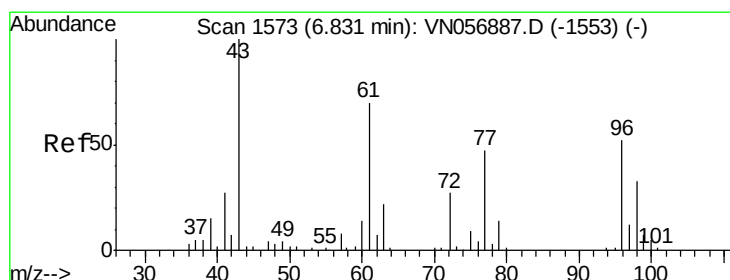
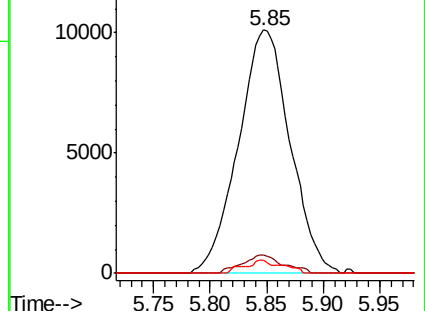
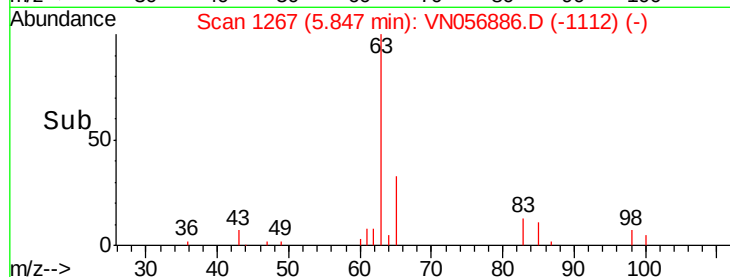
63 100

98 7.5 3.1 9.3

100 5.2 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN056886.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.427 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

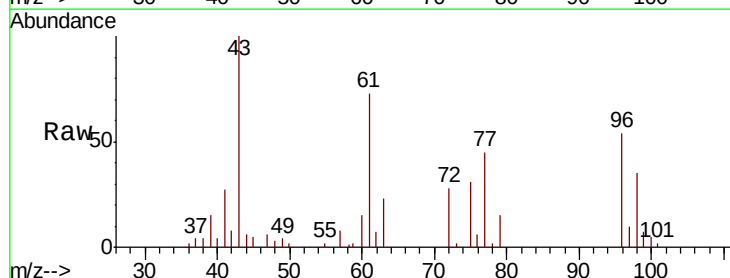
Tgt Ion: 96 Resp: 19445

Ion Ratio Lower Upper

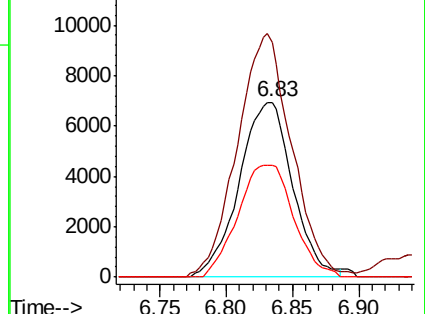
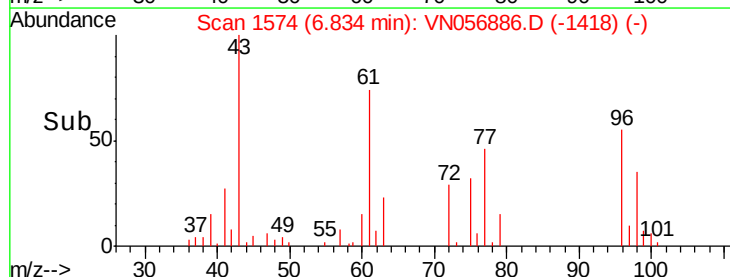
96 100

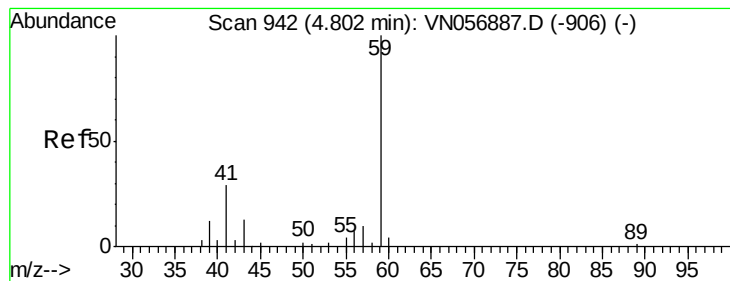
61 141.9 111.6 167.4

98 66.9 51.0 76.4



Abundance Ion 96.00 (95.70 to 96.70): VN056886.D (-1418) (-)



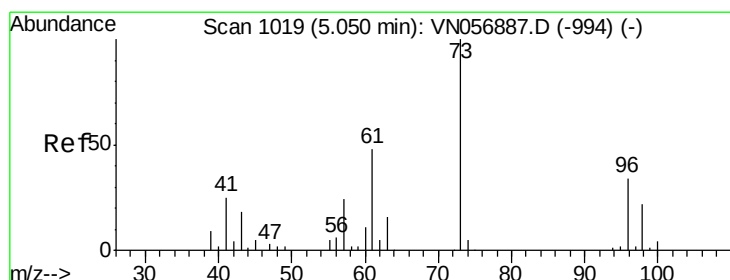
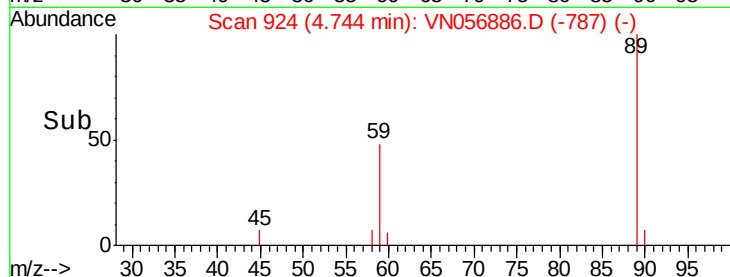
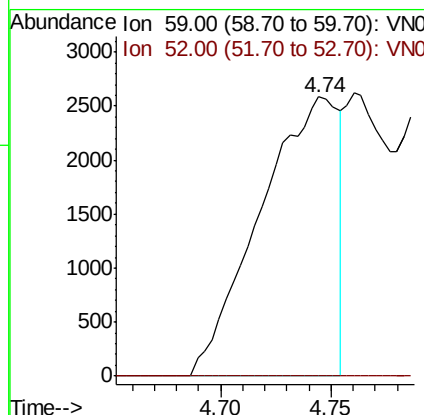
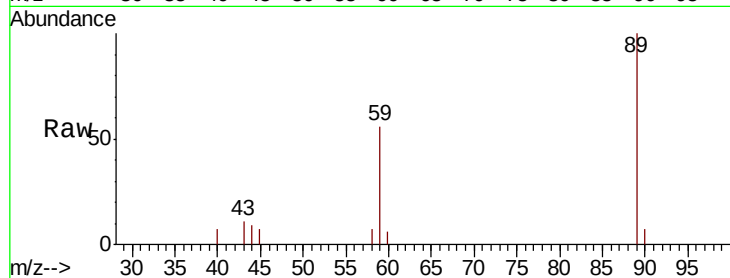


#23

tert-Butyl Alcohol
 Concen: 9.058 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.06 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

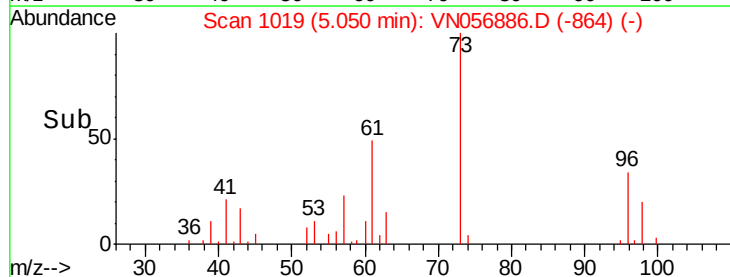
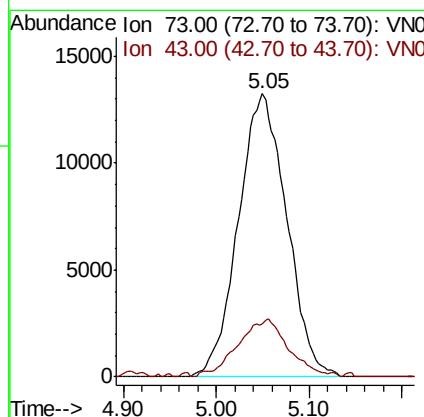
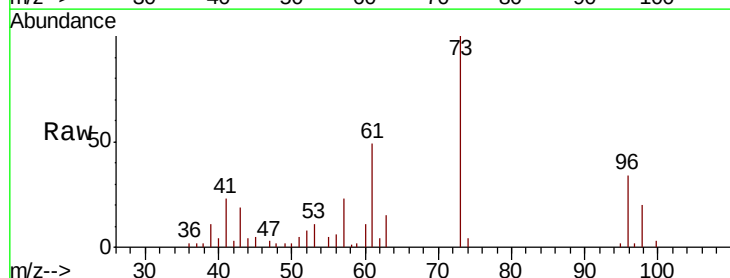
Tot Ion: 59 Resp: 6406
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

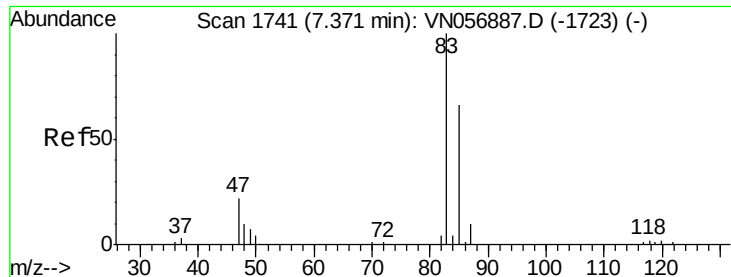


#24

Methyl tert-Butyl Ether
 Concen: 4.323 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 73 Resp: 47979
 Ion Ratio Lower Upper
 73 100
 43 7.8 15.4 23.0#

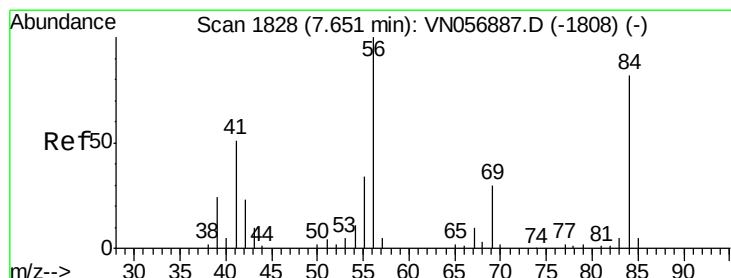
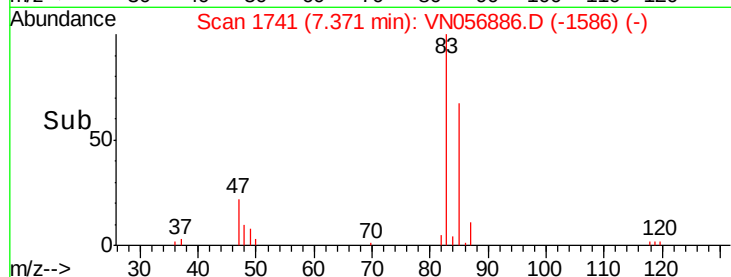
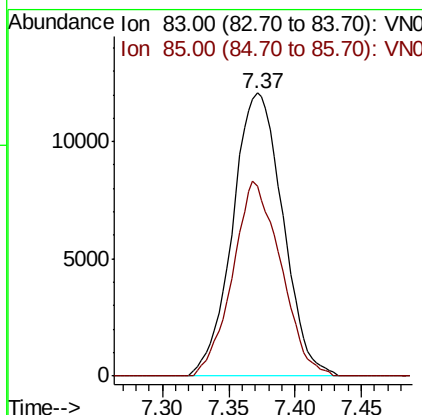
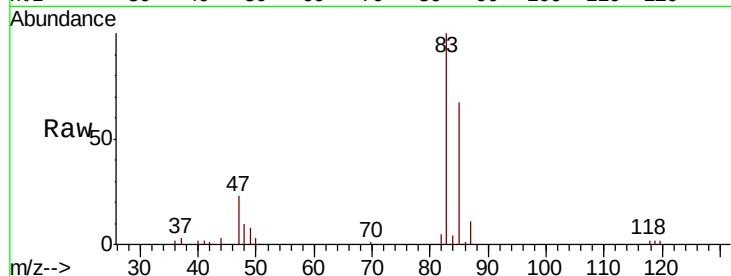




#25
Chloroform
Concen: 4.671 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

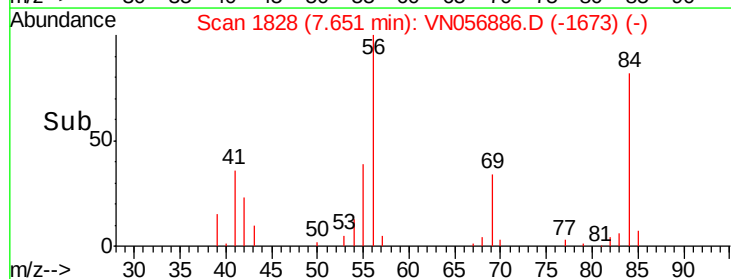
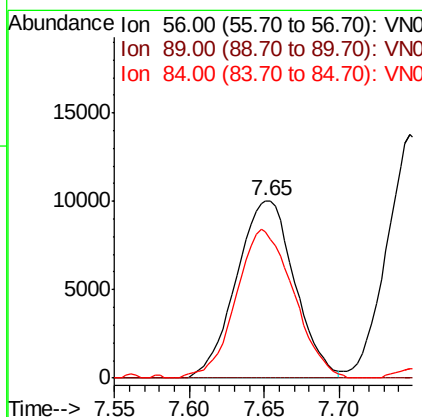
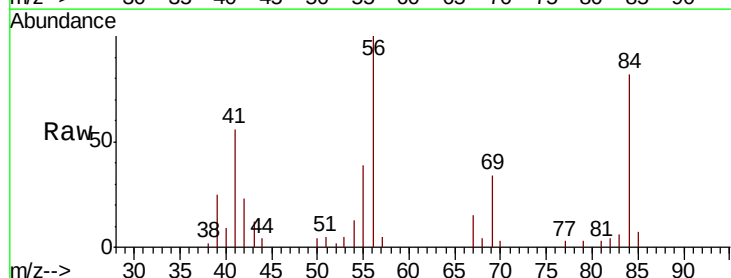
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

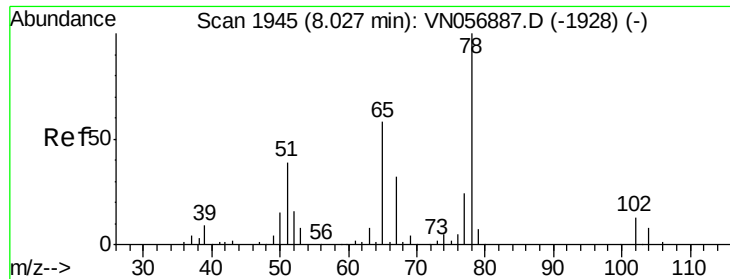
Tot Ion: 83 Resp: 31752
Ion Ratio Lower Upper
83 100
85 66.9 53.1 79.7



#26
Cyclohexane
Concen: 4.232 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 56 Resp: 27257
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.4 67.8 101.6

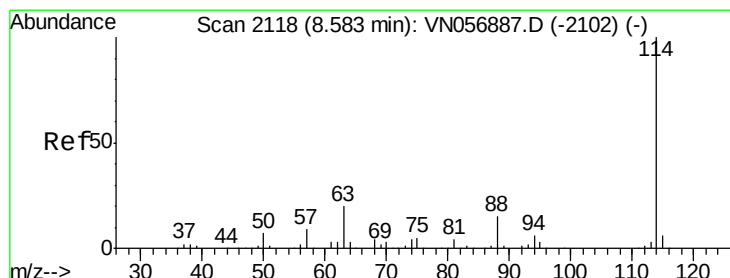
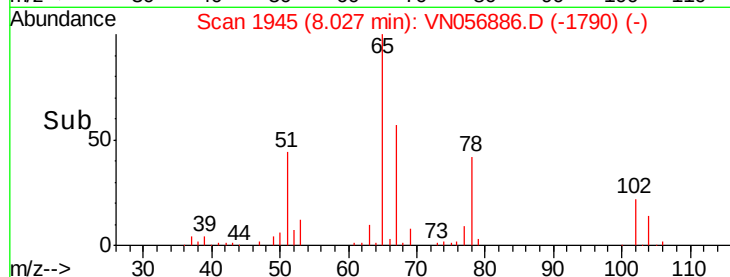
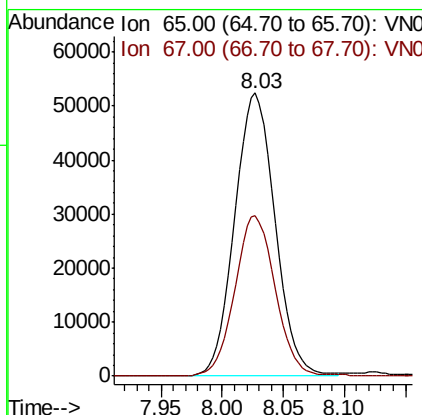
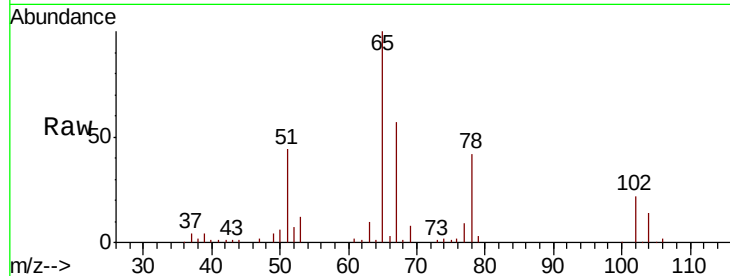




#27
 1,2-Dichloroethane-d4
 Concen: 29.347 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

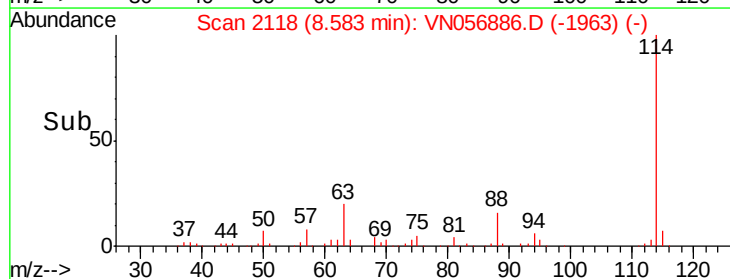
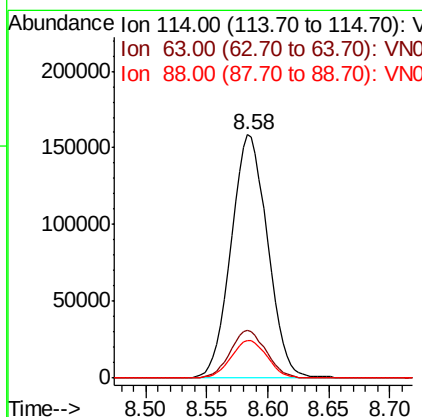
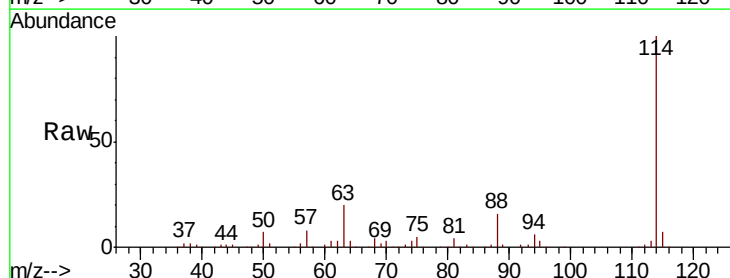
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

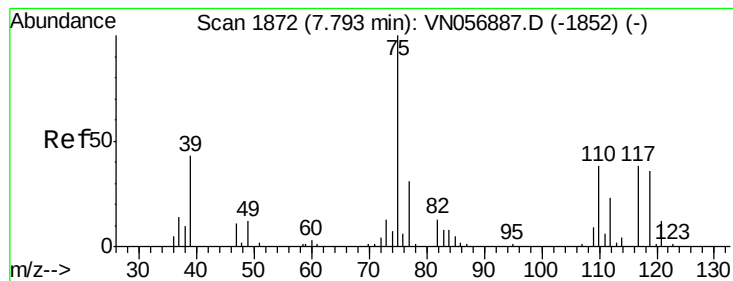
Tot Ion: 65 Resp: 120394
 Ion Ratio Lower Upper
 65 100
 67 56.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 114 Resp: 329593
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.8 23.6
 88 15.4 12.5 18.7





#29

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

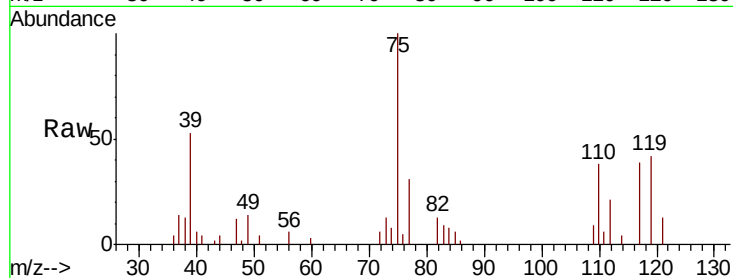
Tot Ion: 75 Resp: 21617

Ion Ratio Lower Upper

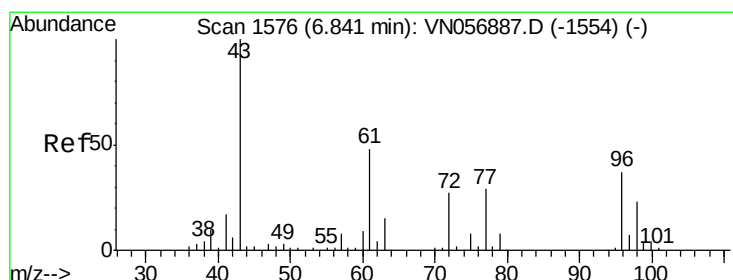
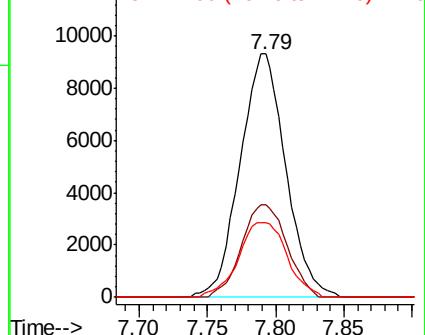
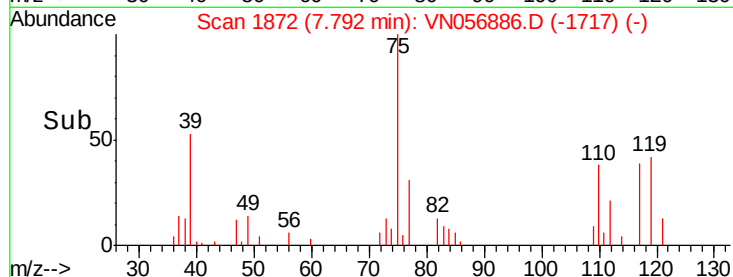
75 100

110 37.8 0.0 75.8

77 32.7 0.0 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN056886.D (-1717) (-)



#30

2-Butanone

Concen: 16.419 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

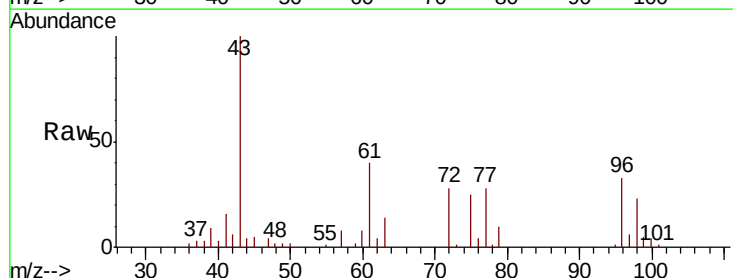
Tgt Ion: 43 Resp: 45172

Ion Ratio Lower Upper

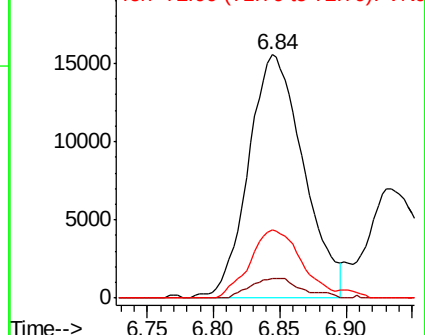
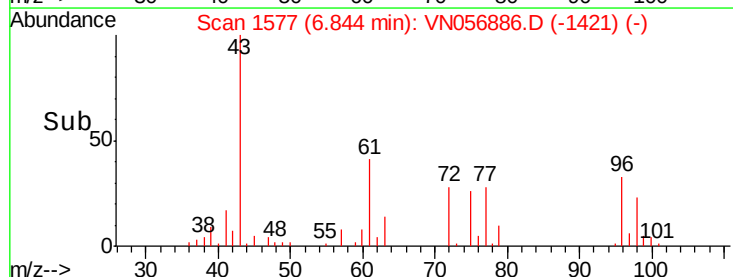
43 100

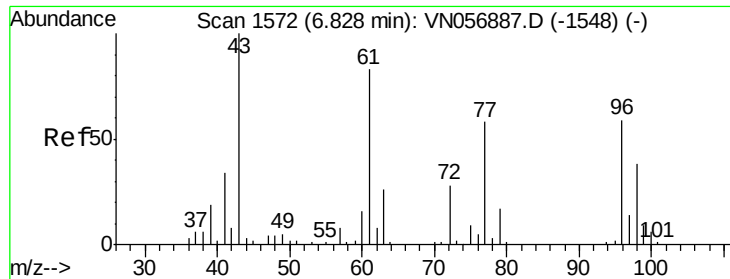
57 6.9 6.5 9.7

72 26.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN056886.D (-1421) (-)





#31

2,2-Dichloropropane

Concen: 2.185 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

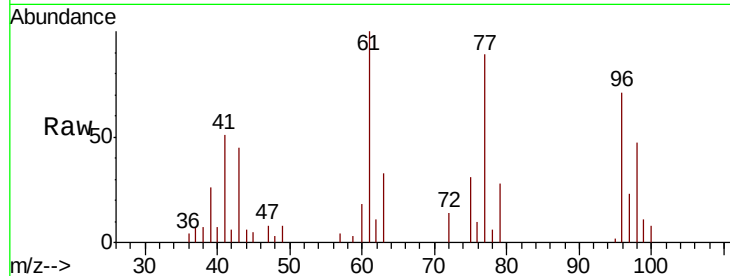
VSTDIC005

Tot Ion: 77 Resp: 10686

Ion Ratio Lower Upper

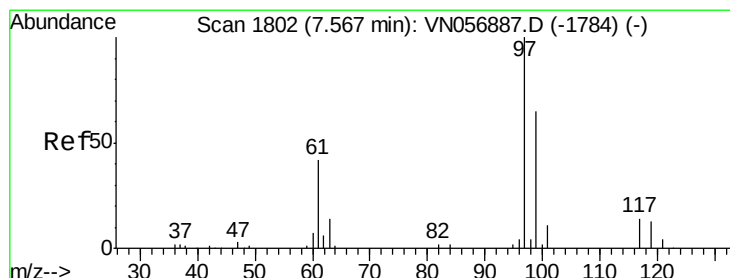
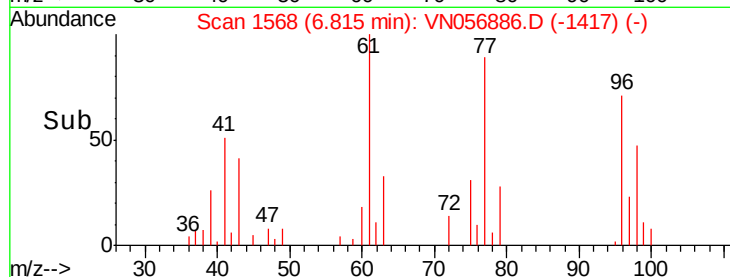
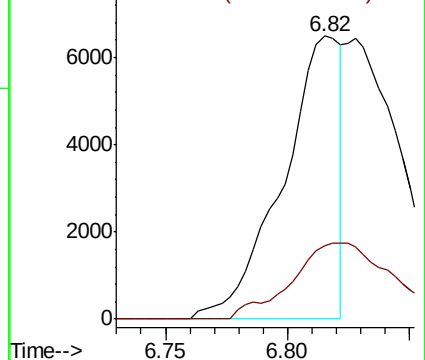
77 100

97 44.7 19.3 28.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 4.581 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

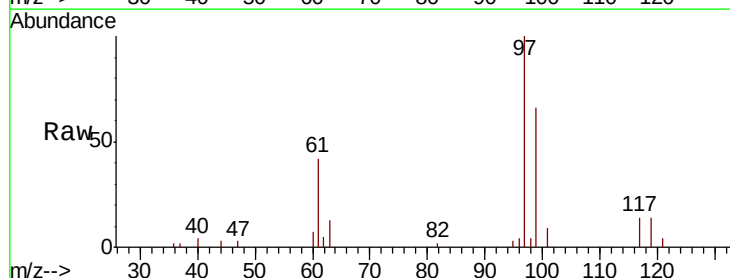
Tgt Ion: 97 Resp: 24977

Ion Ratio Lower Upper

97 100

99 63.6 52.3 78.5

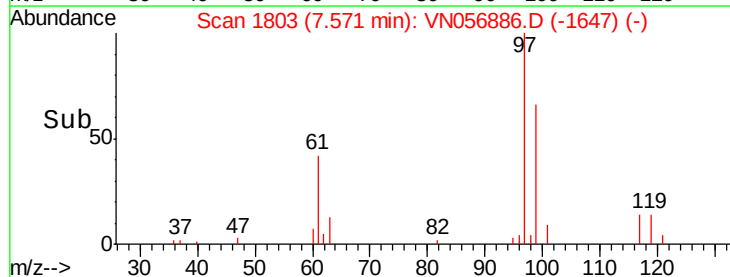
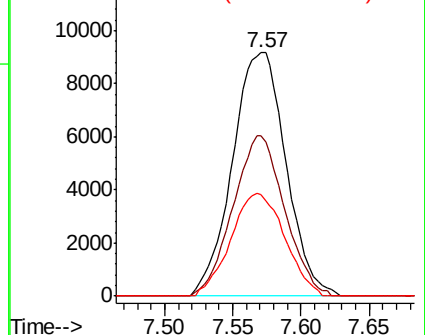
61 42.4 34.4 51.6

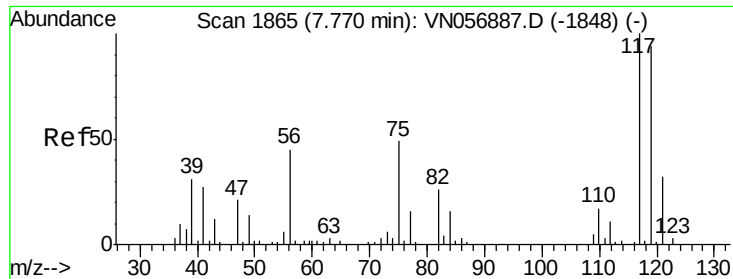


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

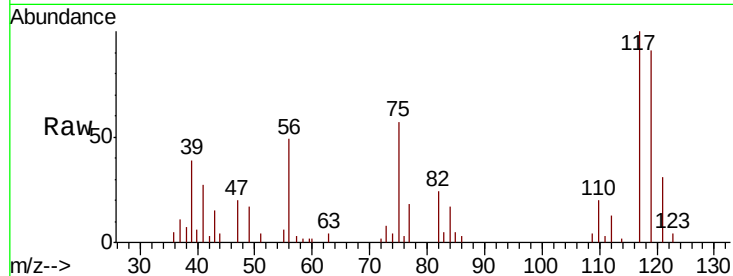




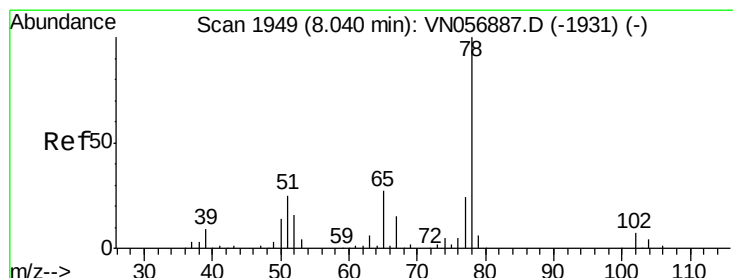
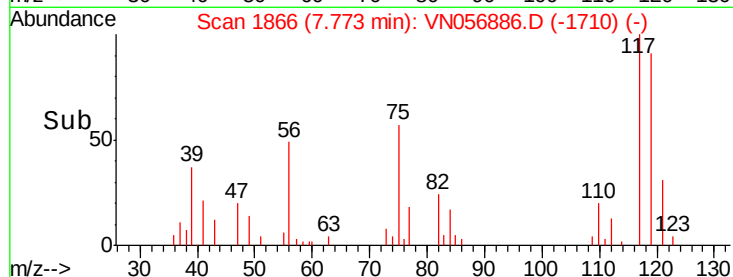
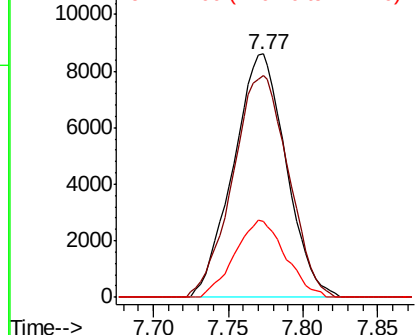
#33
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 21205
Ion Ratio Lower Upper
117 100
119 90.9 75.1 112.7
121 31.1 25.8 38.8

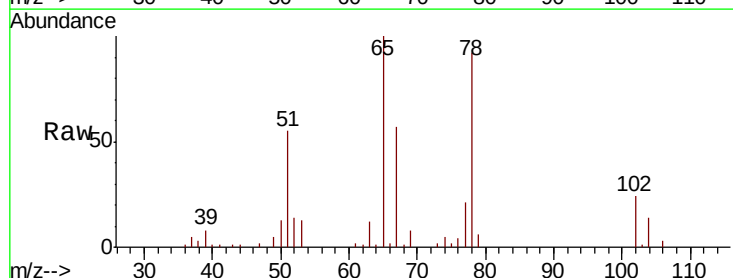


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

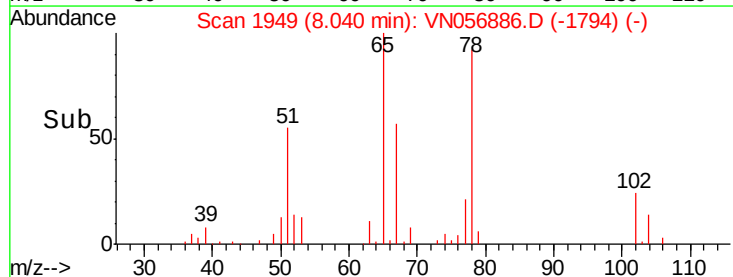
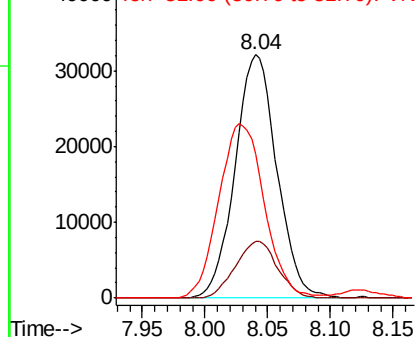


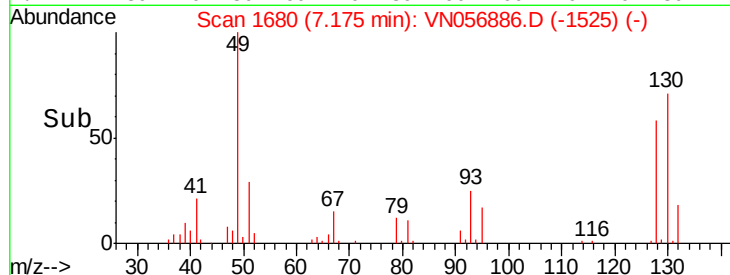
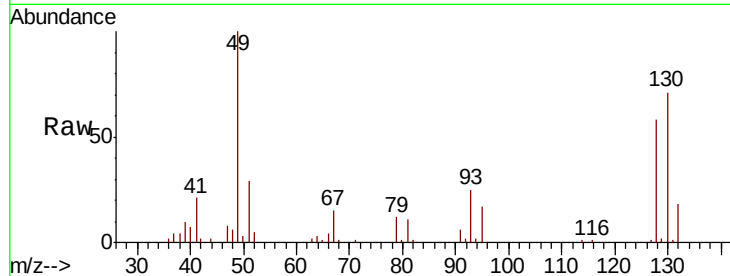
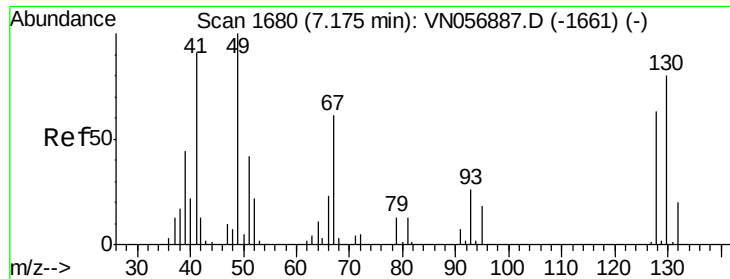
#34
Benzene
Concen: 4.741 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 78 Resp: 74418
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2
51 57.4 20.4 30.6#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

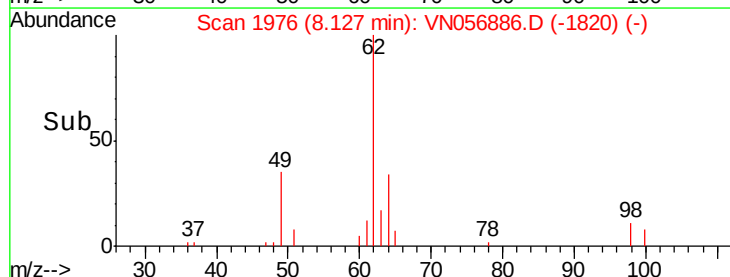
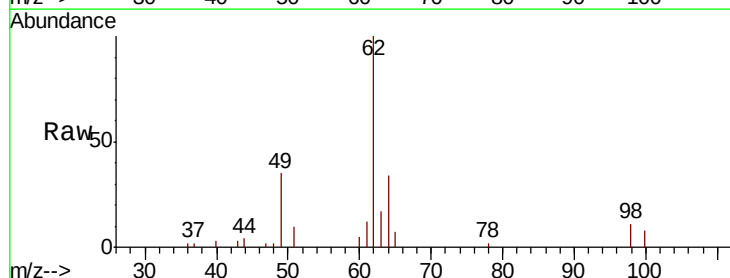
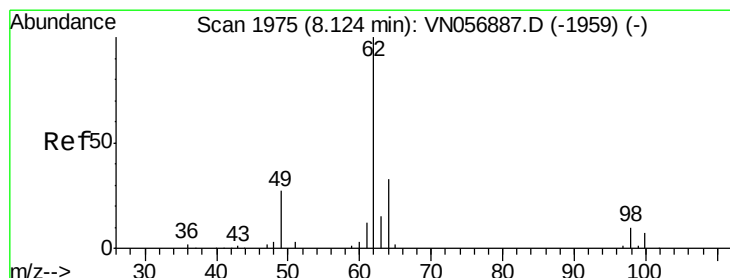
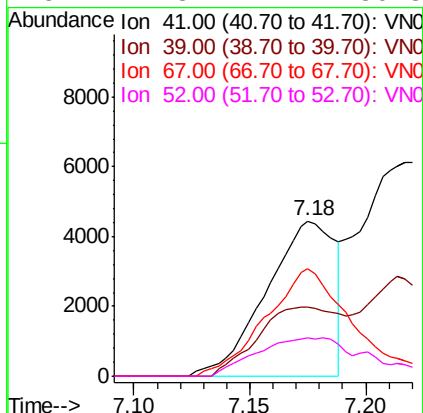




#35
Methacrylonitrile
Concen: 3.970 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

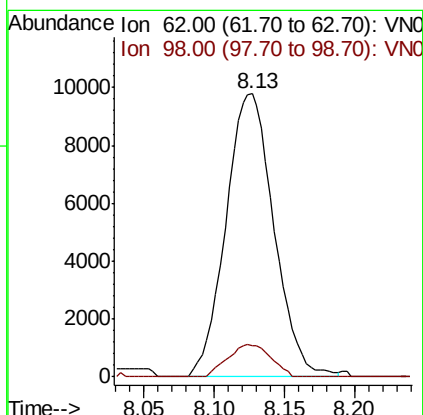
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

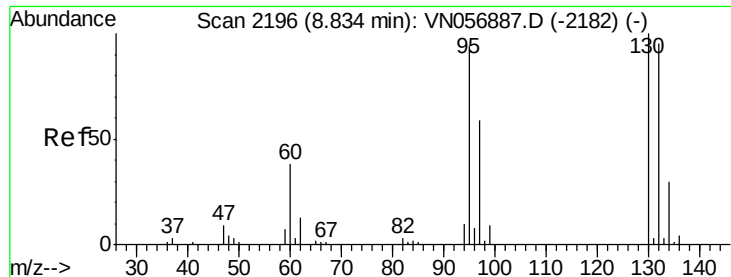
Tot Ion: 41 Resp: 9143
Ion Ratio Lower Upper
41 100
39 44.9 24.4 73.2
67 69.3 33.4 100.1
52 24.3 12.1 36.3



#36
1,2-Dichloroethane
Concen: 4.649 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 62 Resp: 23293
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5

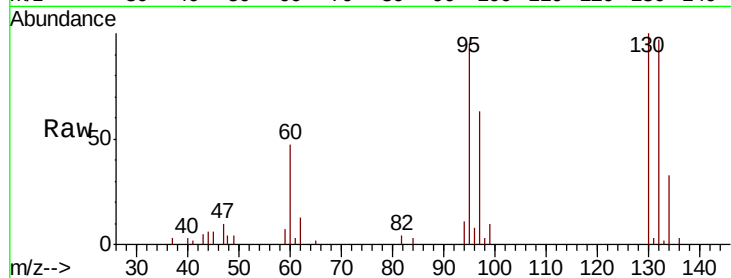




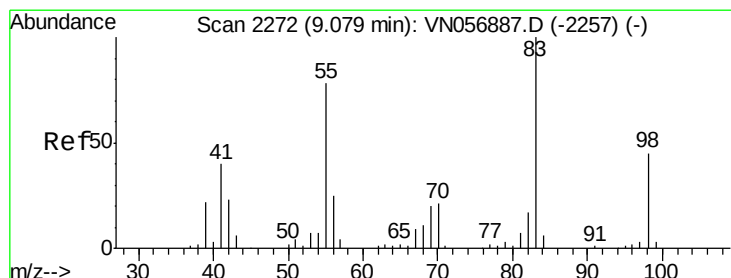
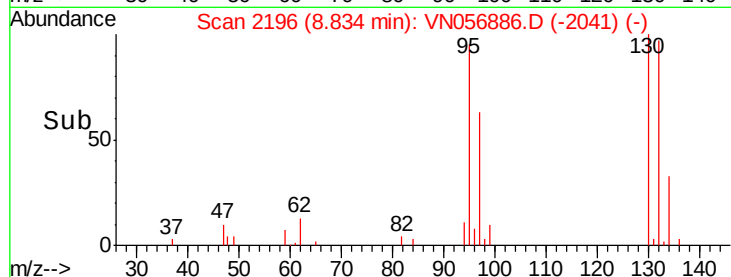
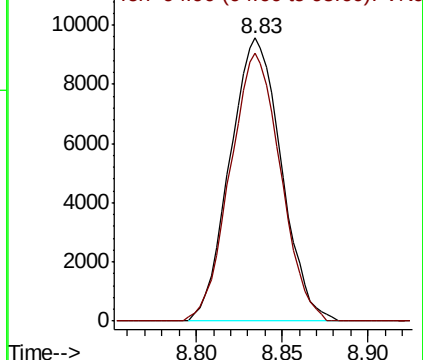
#37
 Trichloroethene
 Concen: 4.681 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 19859
 Ion Ratio Lower Upper
 130 100
 95 94.8 74.9 112.3

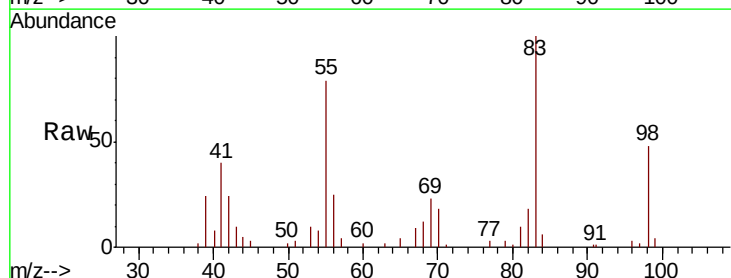


Abundance Ion 129.90 (129.60 to 130.60): VN056886.D (-2041) (-)
 Ion 94.90 (94.60 to 95.60): VN056886.D (-2041) (-)

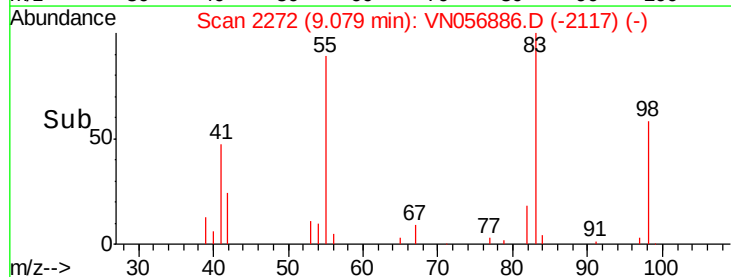
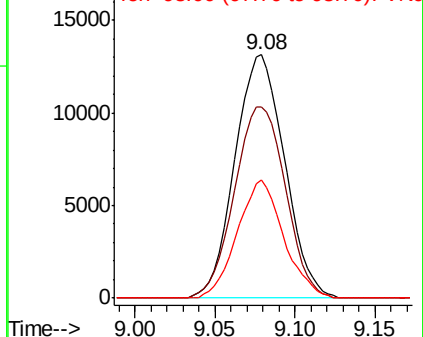


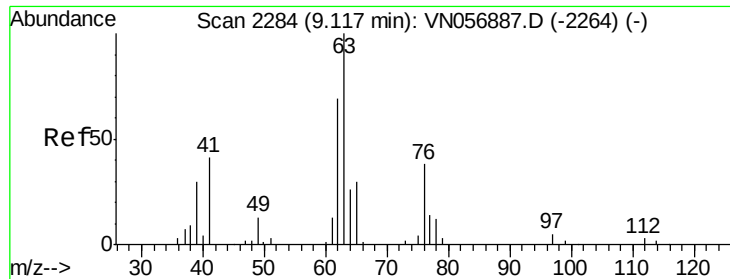
#38
 Methylcyclohexane
 Concen: 4.373 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 83 Resp: 27918
 Ion Ratio Lower Upper
 83 100
 55 80.9 38.4 115.1
 98 45.3 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VN056886.D (-2117) (-)
 Ion 55.00 (54.70 to 55.70): VN056886.D (-2117) (-)
 Ion 98.00 (97.70 to 98.70): VN056886.D (-2117) (-)





#39

1,2-Dichloropropane

Concen: 4.673 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampled :

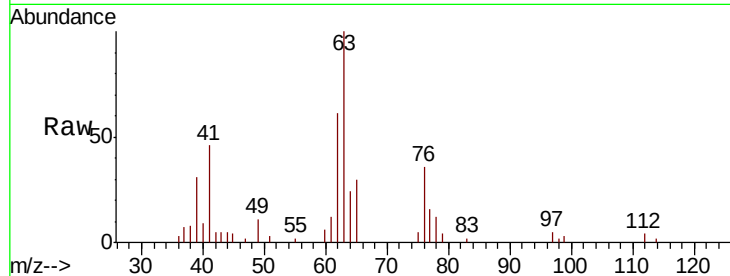
VSTDIC005

Tot Ion: 63 Resp: 19643

Ion Ratio Lower Upper

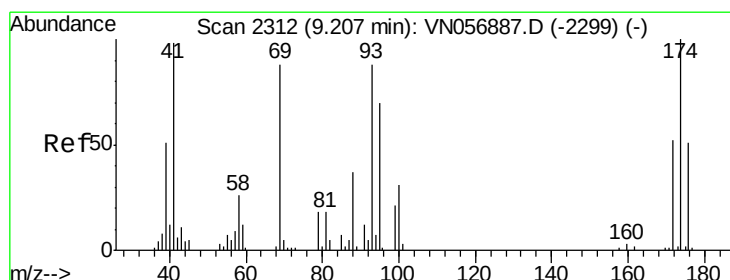
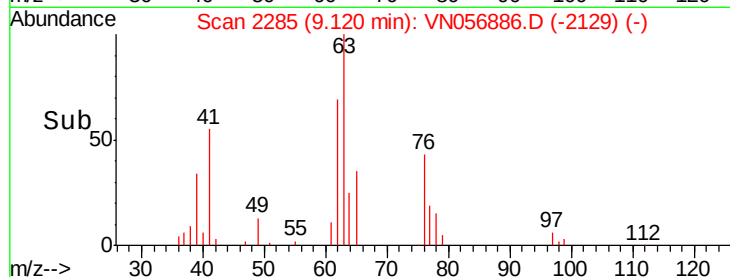
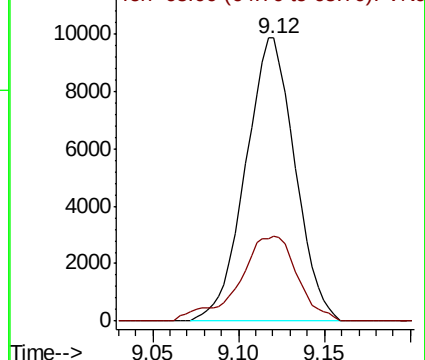
63 100

65 29.9 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 4.588 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

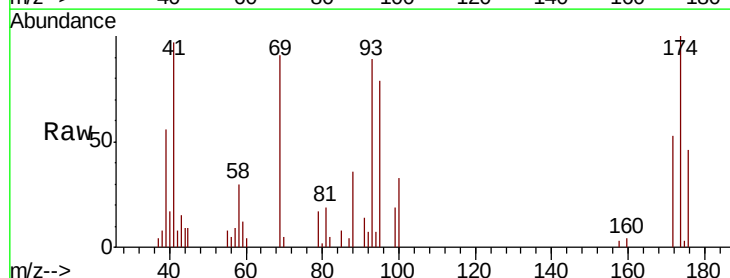
Tgt Ion: 93 Resp: 12229

Ion Ratio Lower Upper

93 100

95 86.0 0.0 165.8

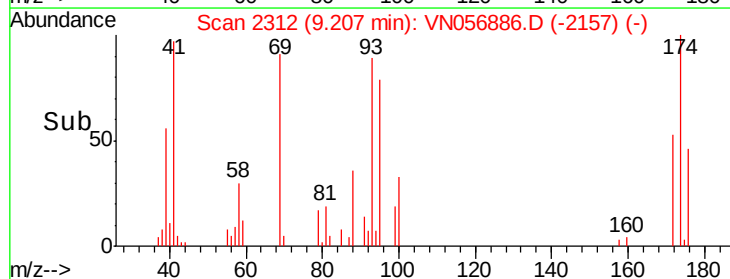
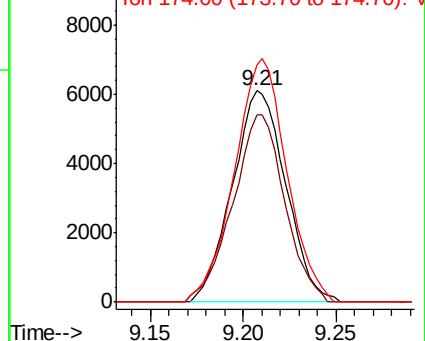
174 113.0 0.0 232.4

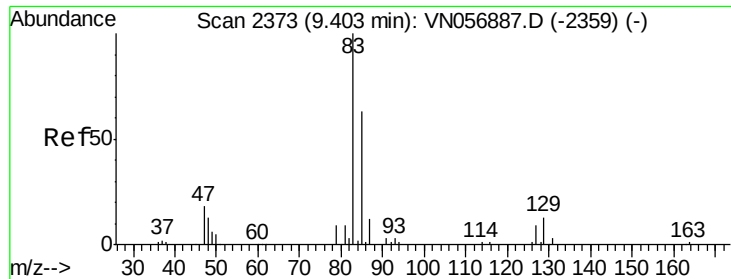


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.413 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

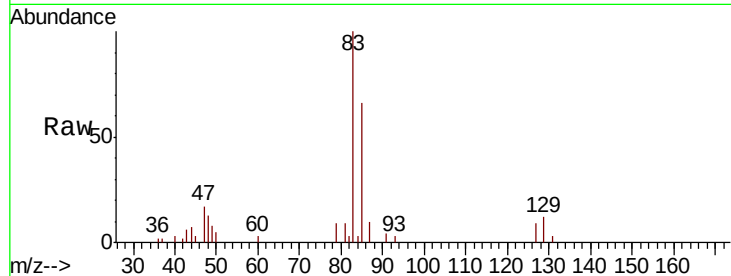
Tot Ion: 83 Resp: 21803

Ion Ratio Lower Upper

83 100

85 66.3 50.6 75.8

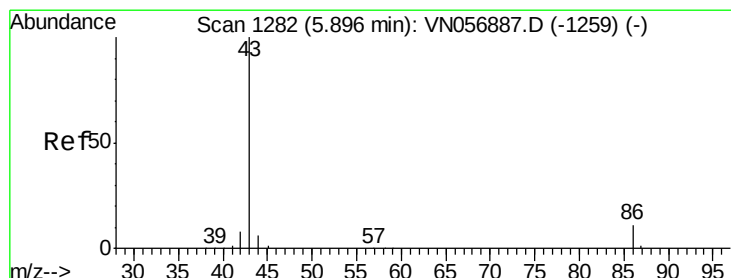
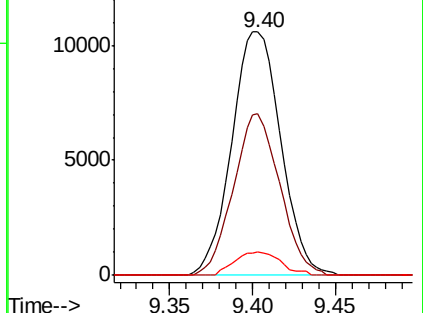
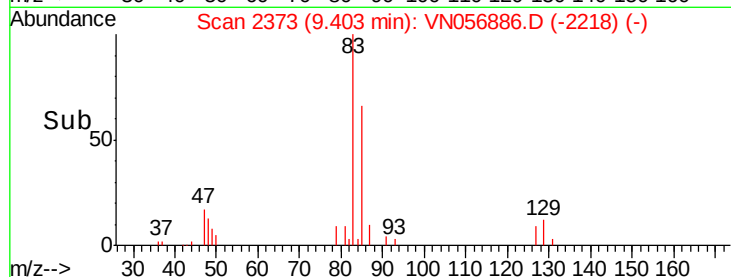
127 9.4 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN056886.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN056886.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN056886.D (-2218) (-)



#42

Vinyl Acetate

Concen: 19.297 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056886.D

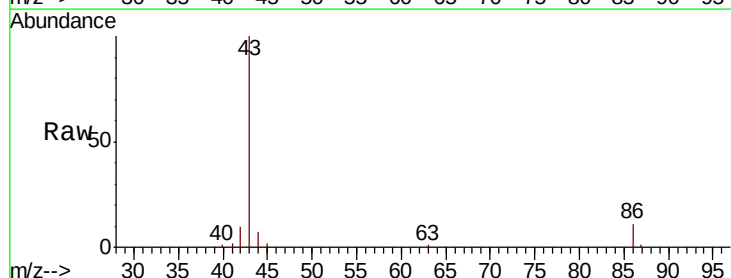
Acq: 23 Jul 2019 19:03

Tgt Ion: 43 Resp: 186433

Ion Ratio Lower Upper

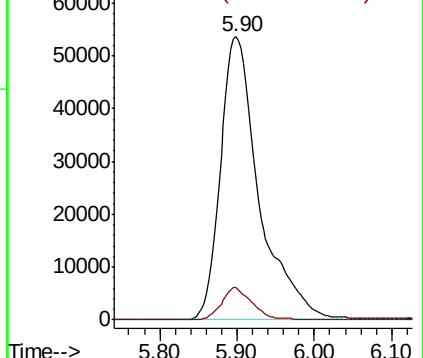
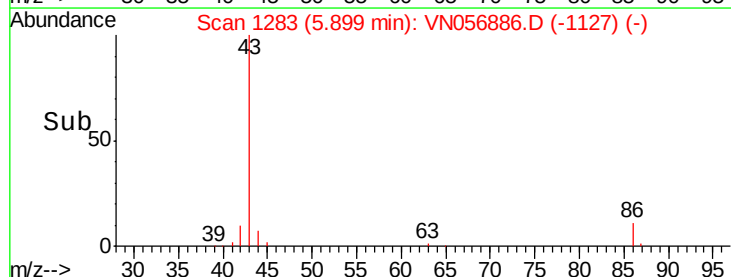
43 100

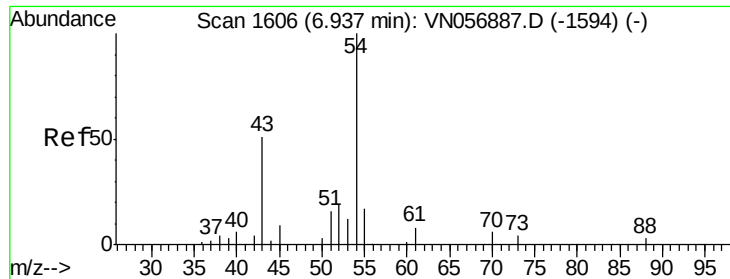
86 9.0 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056886.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN056886.D (-1127) (-)





#43

Ethyl Acetate

Concen: 3.561 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

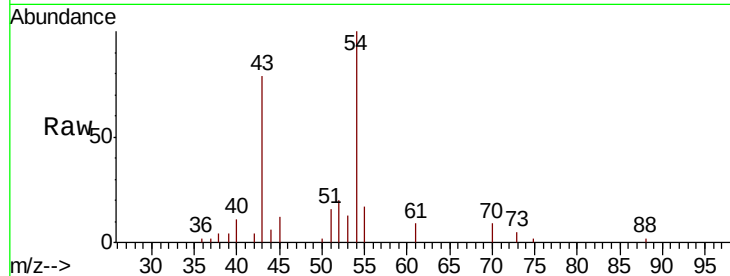
VSTDIC005

Tot Ion: 43 Resp: 18162

Ion Ratio Lower Upper

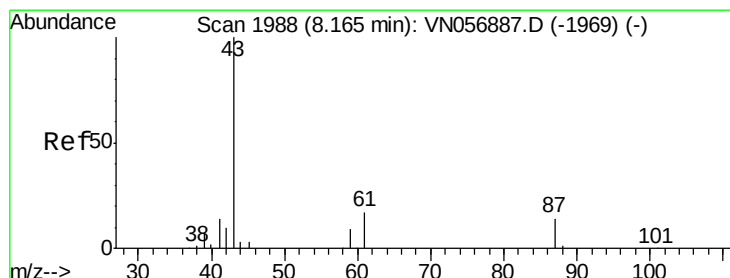
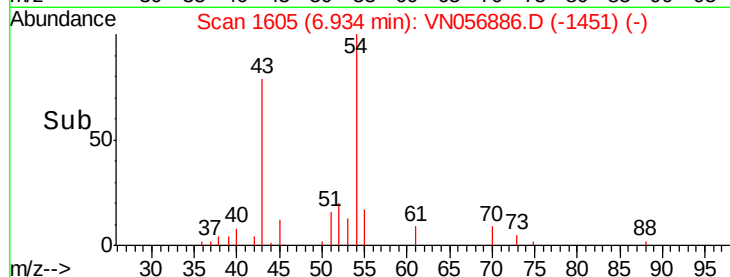
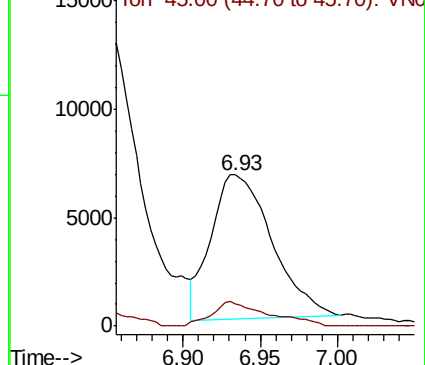
43 100

45 13.7 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 3.735 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056886.D

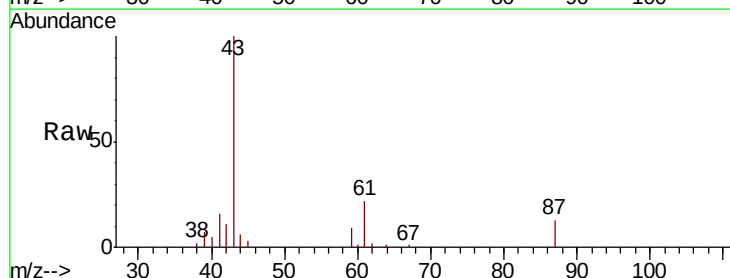
Acq: 23 Jul 2019 19:03

Tgt Ion: 43 Resp: 30352

Ion Ratio Lower Upper

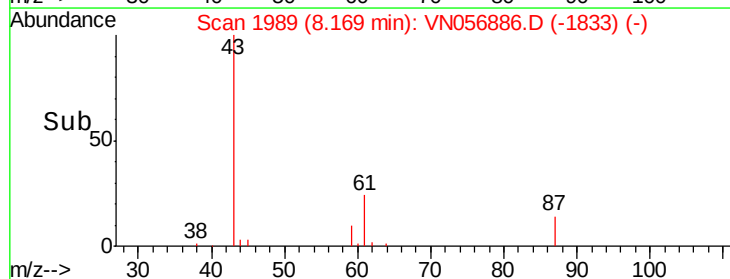
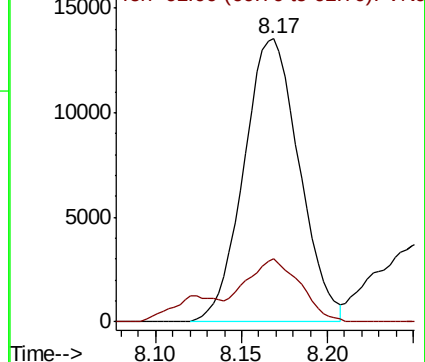
43 100

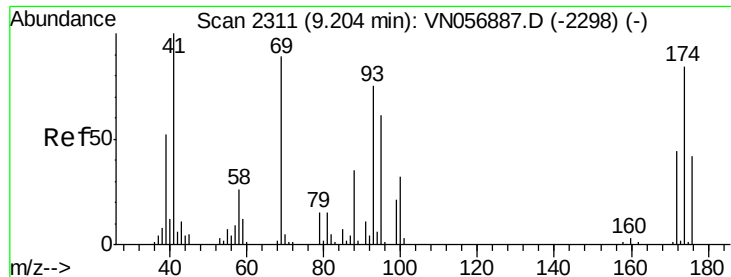
61 22.2 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

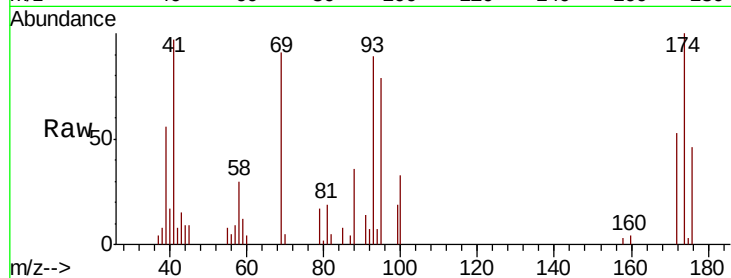




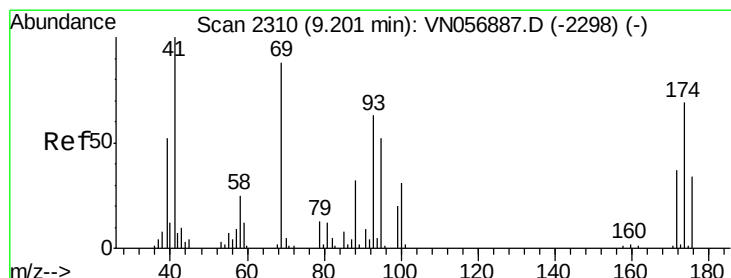
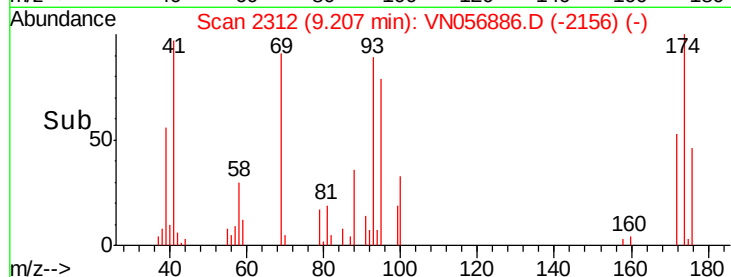
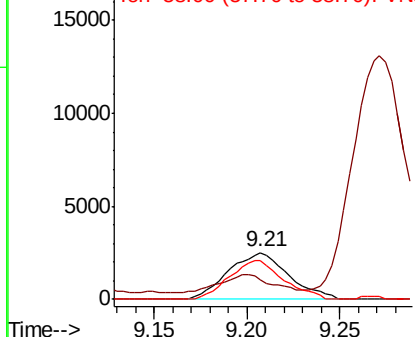
#45
 1,4-Dioxane
 Concen: 70.705 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 5675
 Ion Ratio Lower Upper
 88 100
 43 29.5 23.4 35.0
 58 74.1 58.5 87.7

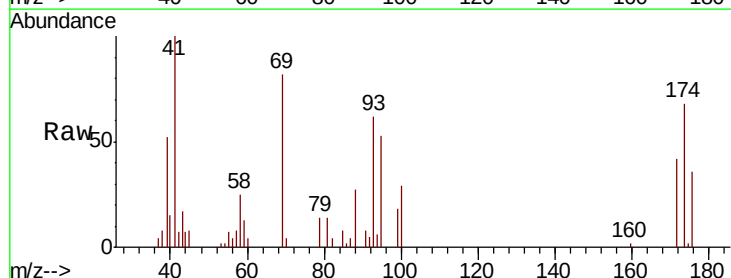


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

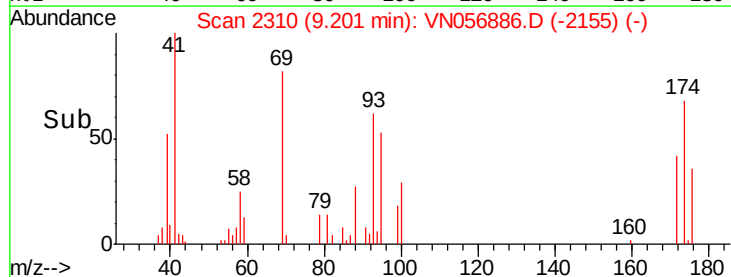
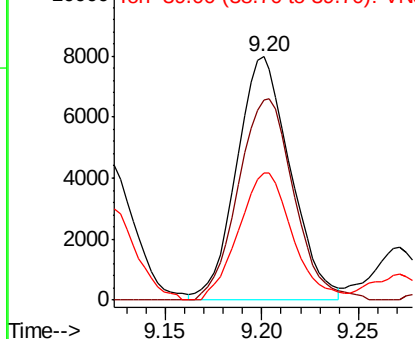


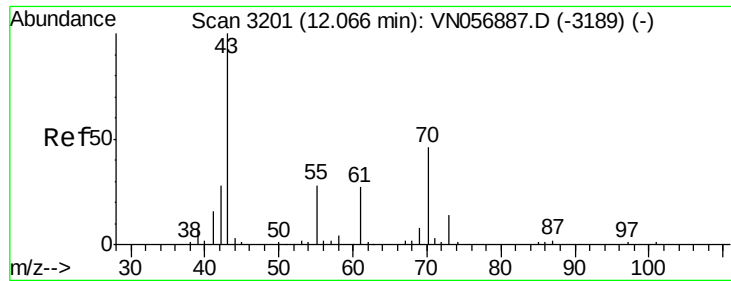
#46
 Methyl methacrylate
 Concen: 3.961 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 41 Resp: 15426
 Ion Ratio Lower Upper
 41 100
 69 84.2 44.0 132.0
 39 53.5 25.8 77.4



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





#47

n-amvl Acetate

Concen: 3.034 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

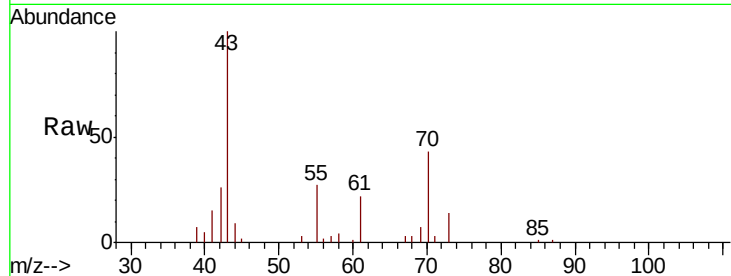
VSTDIC005

Tot Ion: 43 Resp: 19998

Ion Ratio Lower Upper

43 100

55 28.3 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

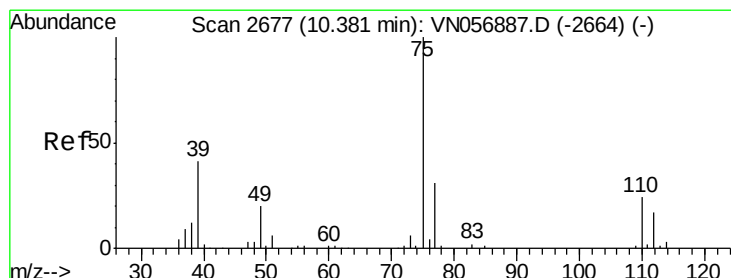
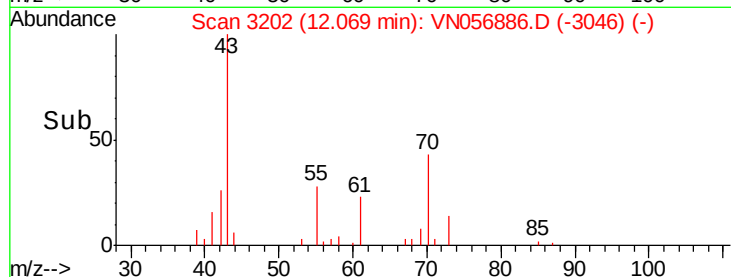
15000

10000

5000

0

Time--> 12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 3.951 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056886.D

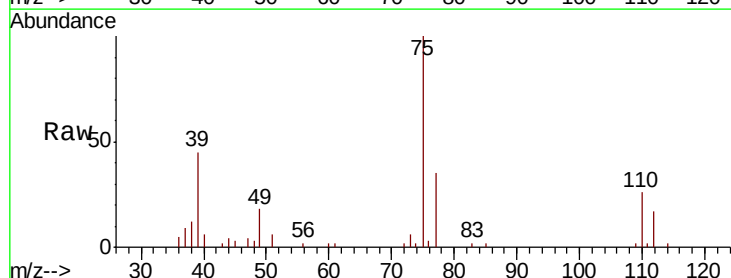
Acq: 23 Jul 2019 19:03

Tgt Ion: 75 Resp: 21294

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

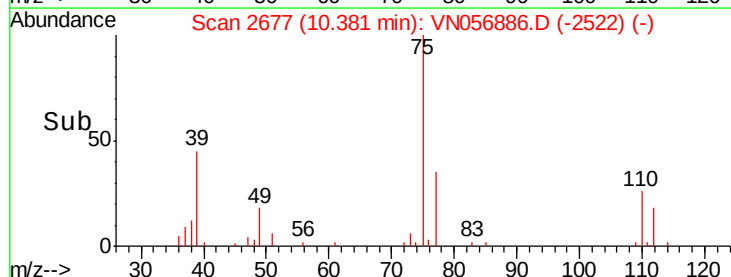
10.38

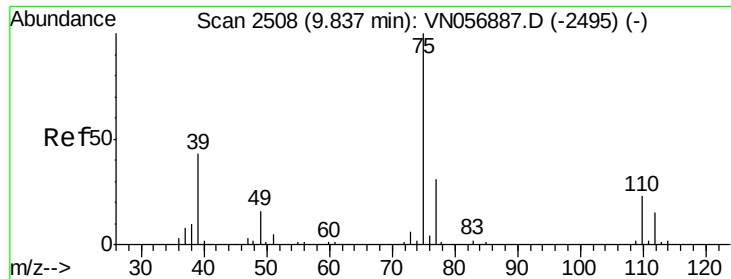
10000

5000

0

Time--> 10.35 10.40 10.45

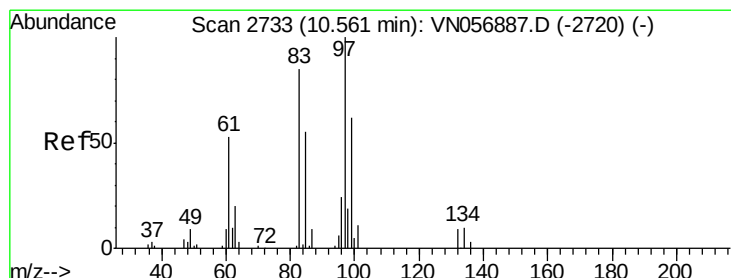
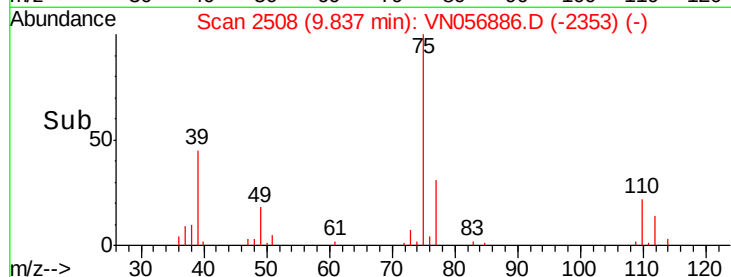
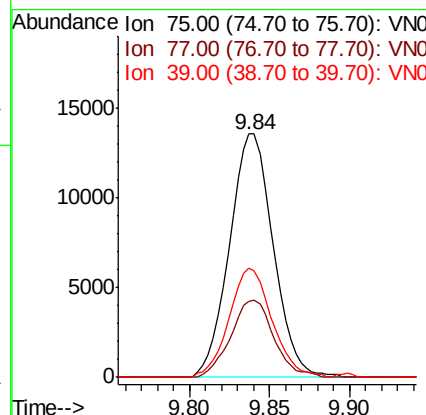
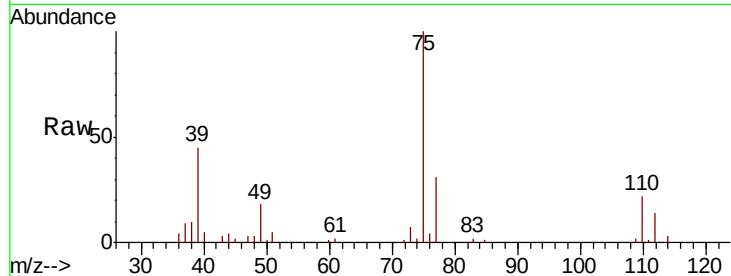




#49
 cis-1,3-Dichloropropene
 Concen: 4.144 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

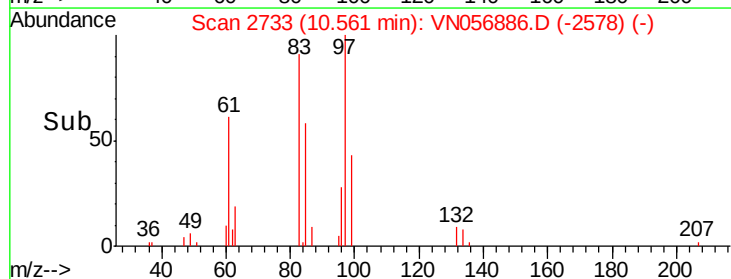
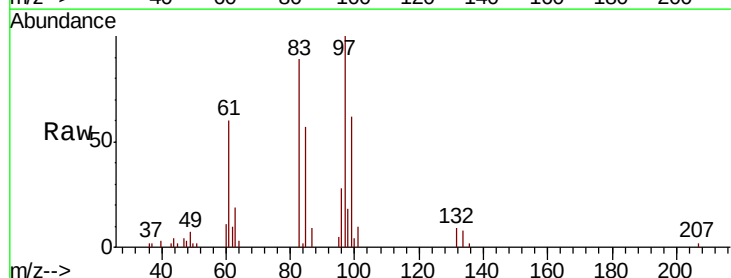
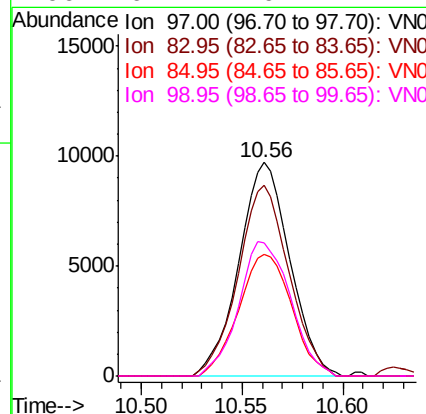
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

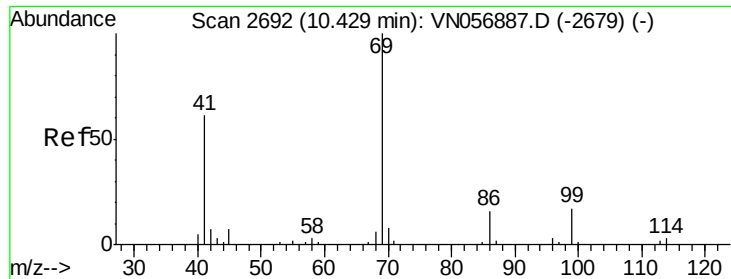
Tot Ion: 75 Resp: 25351
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.4 36.6
 39 45.1 34.2 51.4



#50
 1,1,2-Trichloroethane
 Concen: 4.400 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 97 Resp: 17162
 Ion Ratio Lower Upper
 97 100
 83 89.2 68.4 102.6
 85 57.0 44.3 66.5
 99 62.4 49.4 74.2





#51

Ethyl methacrylate

Concen: 3.723 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

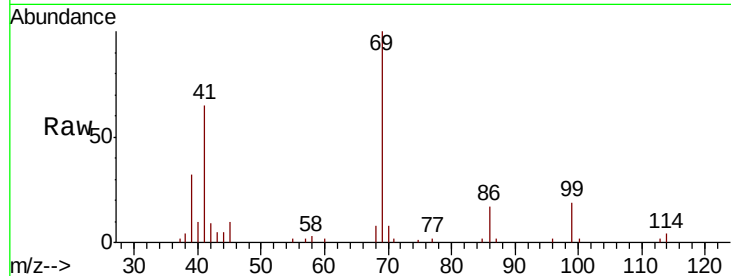
Tot Ion: 69 Resp: 22008

Ion Ratio Lower Upper

69 100

41 65.5 30.4 91.3

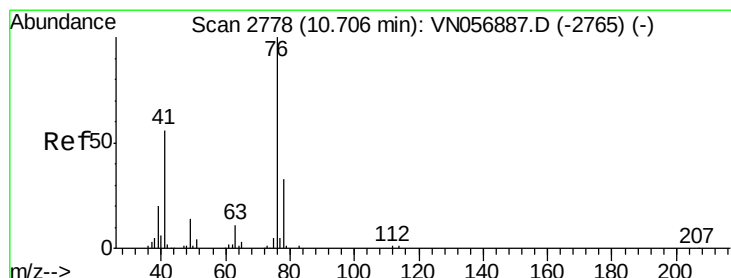
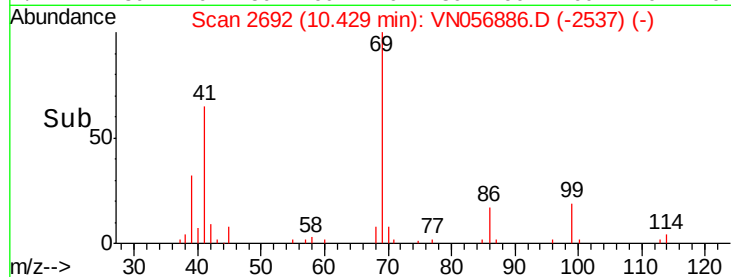
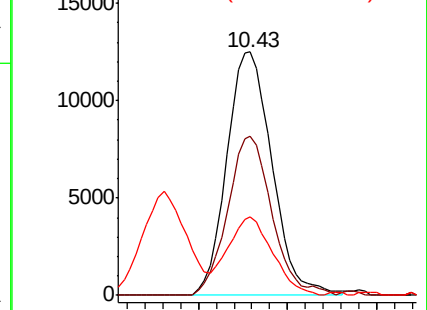
39 30.8 14.2 42.6



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



#52

1,3-Dichloropropane

Concen: 4.409 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056886.D

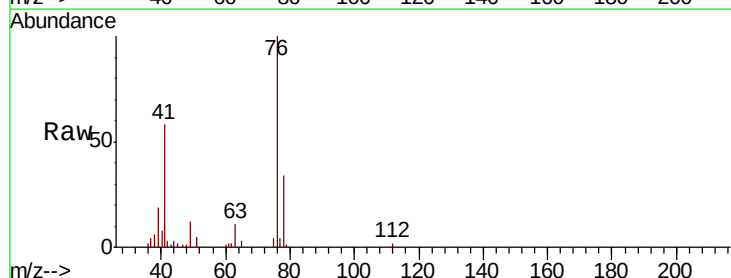
Acq: 23 Jul 2019 19:03

Tgt Ion: 76 Resp: 28552

Ion Ratio Lower Upper

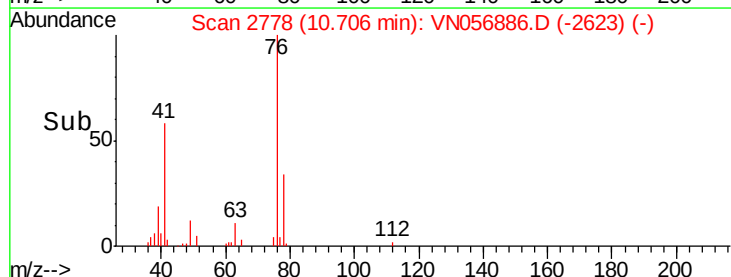
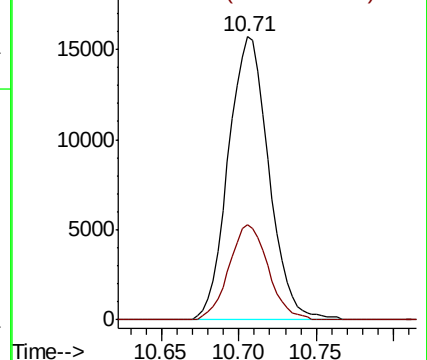
76 100

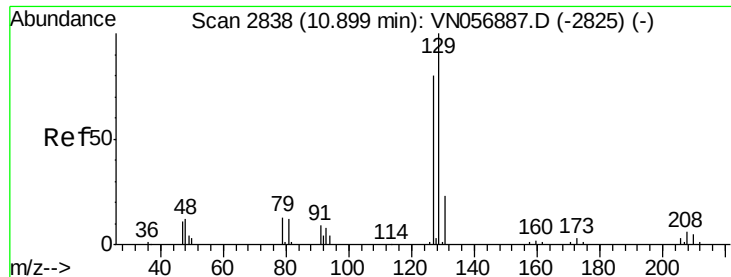
78 32.4 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 3.951 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

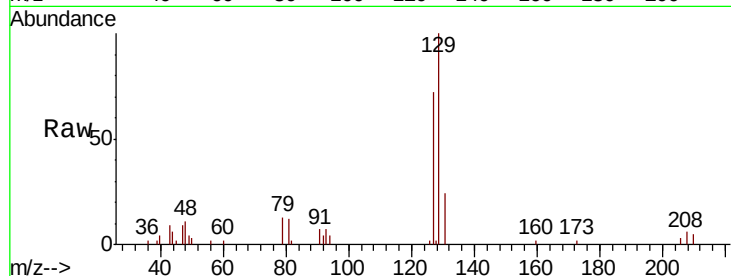
VSTDIC005

Tot Ion:129 Resp: 15592

Ion Ratio Lower Upper

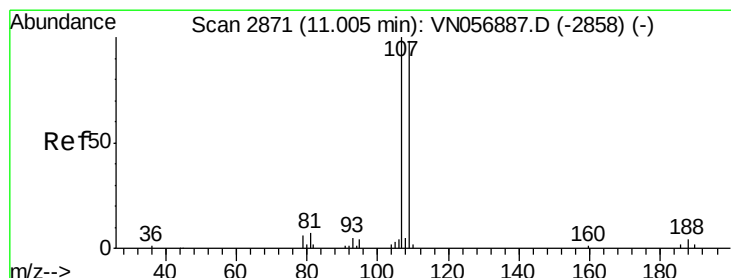
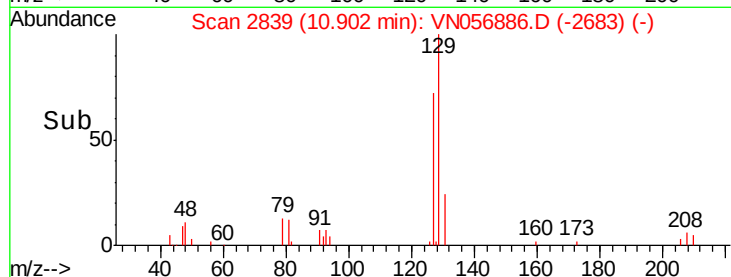
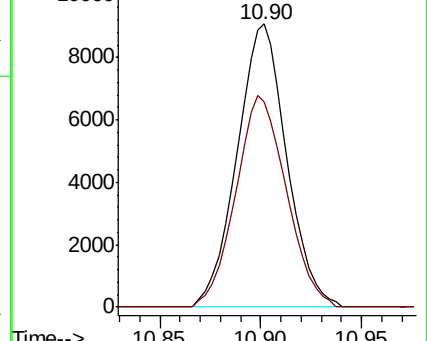
129 100

127 76.2 38.8 116.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.121 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056886.D

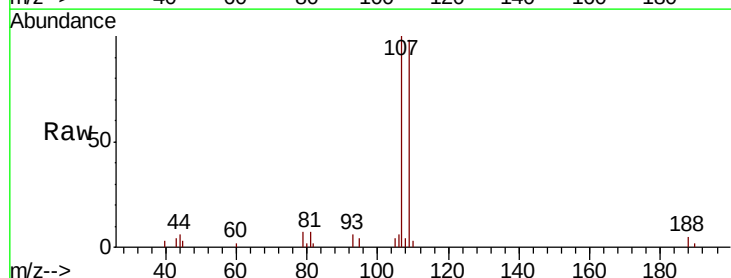
Acq: 23 Jul 2019 19:03

Tgt Ion:107 Resp: 16569

Ion Ratio Lower Upper

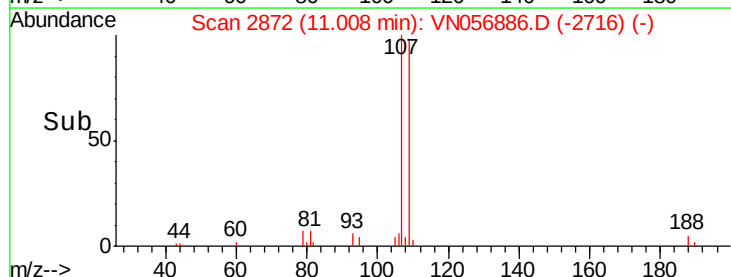
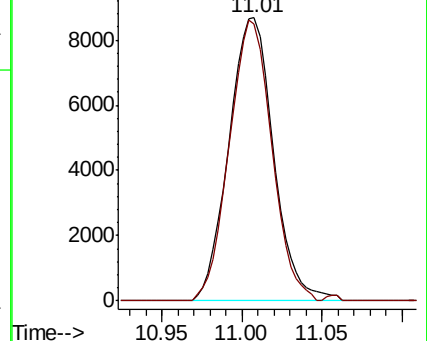
107 100

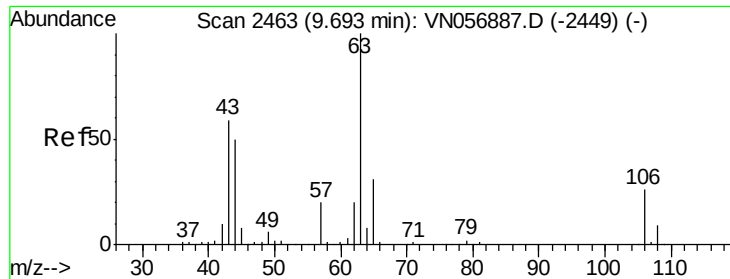
109 94.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

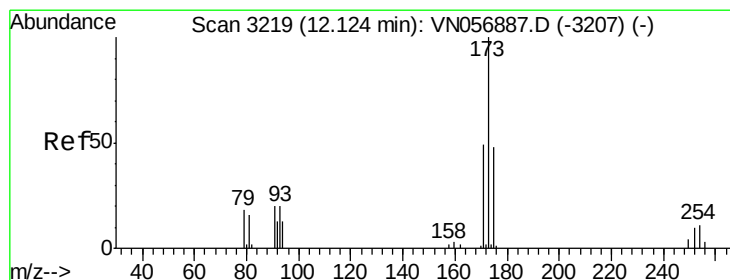
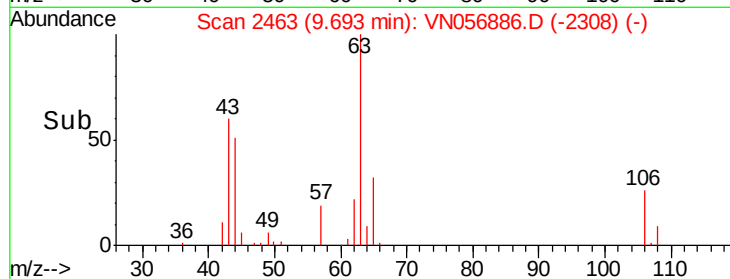
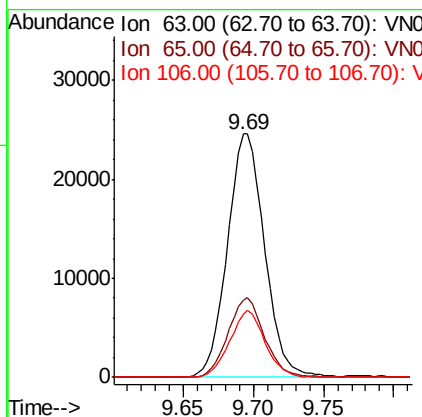
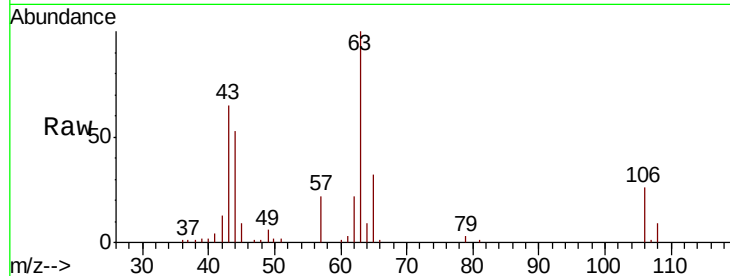




#55
2-Chloroethyl vinyl ether
Concen: 16.112 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

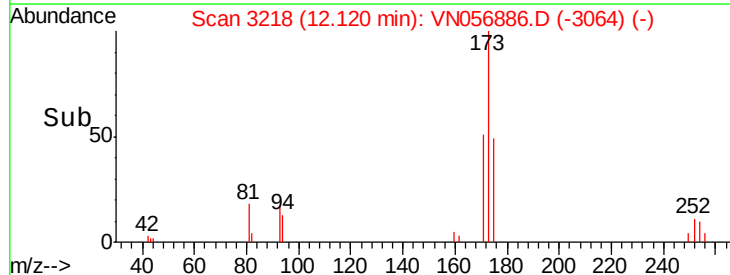
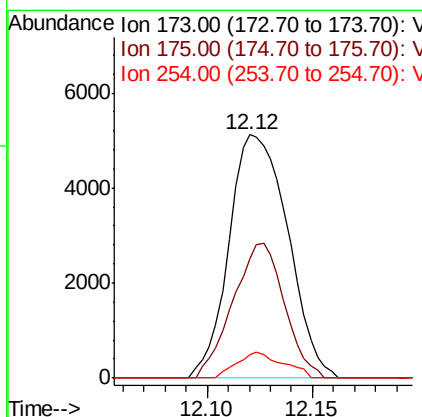
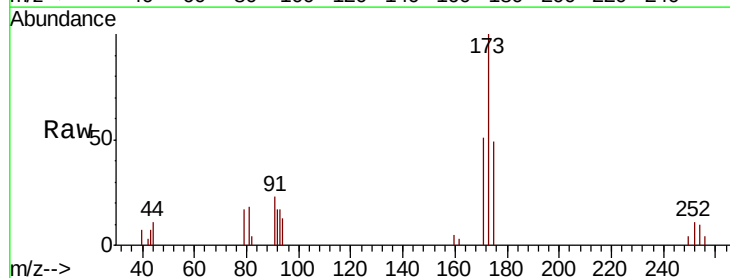
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

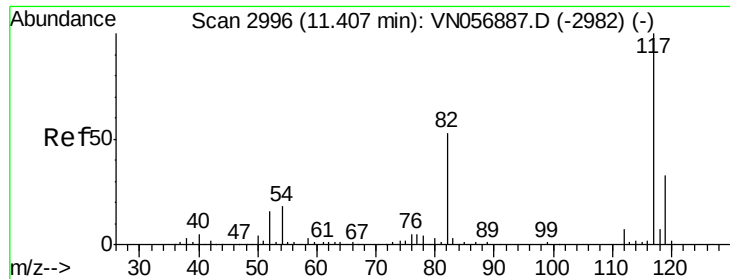
Tot Ion: 63 Resp: 45318
Ion Ratio Lower Upper
63 100
65 31.7 25.1 37.7
106 25.9 21.5 32.3



#56
Bromoform
Concen: 3.421 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 173 Resp: 9889
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
254 8.5 8.1 12.1

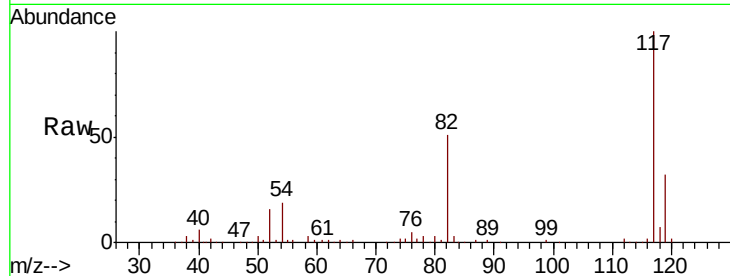




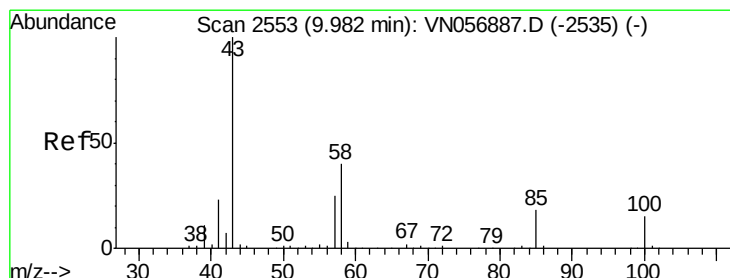
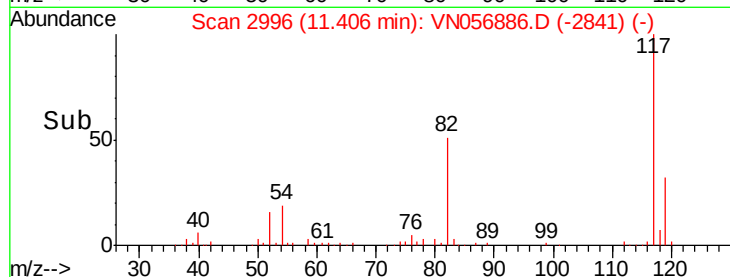
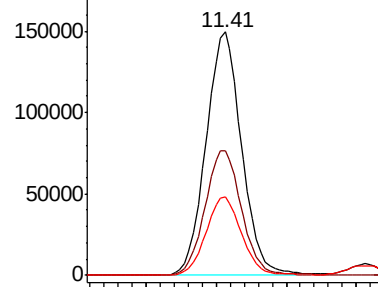
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 264470
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 32.2 26.2 39.2

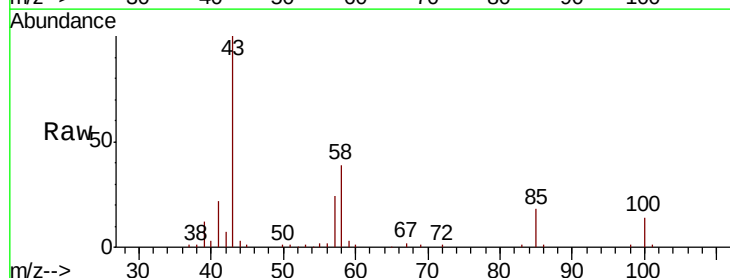


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

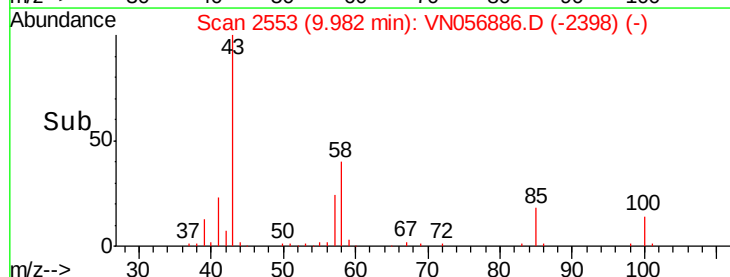
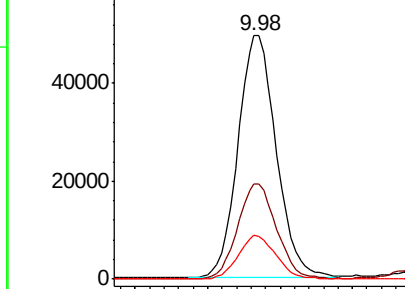


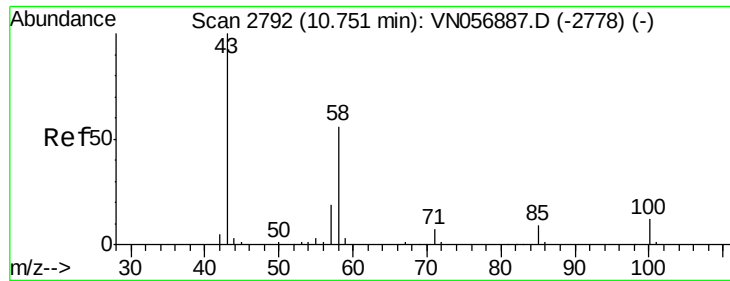
#58
4-Methyl-2-Pentanone
Concen: 19.250 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 43 Resp: 90460
Ion Ratio Lower Upper
43 100
58 40.0 31.7 47.5
85 17.8 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

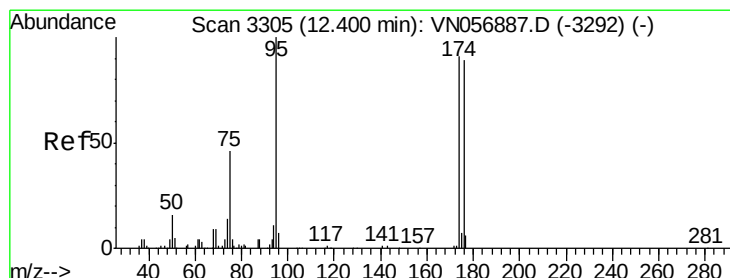
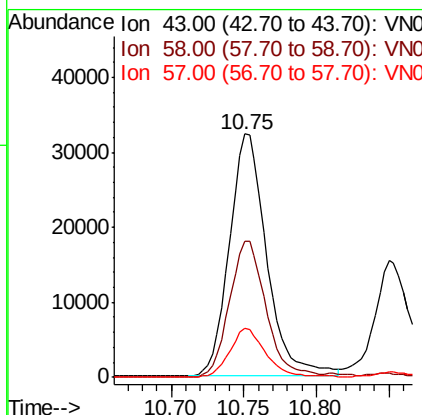
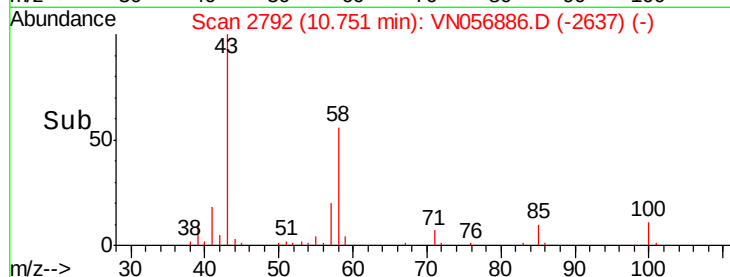
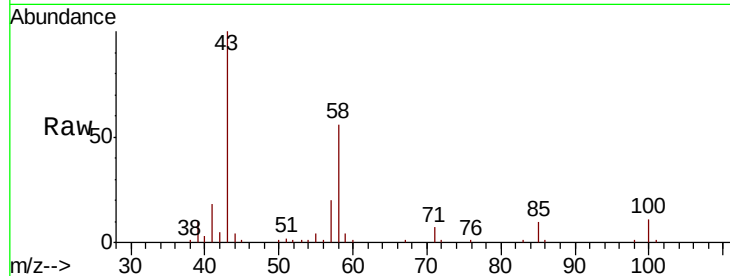




#59
2-Hexanone
Concen: 16.613 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

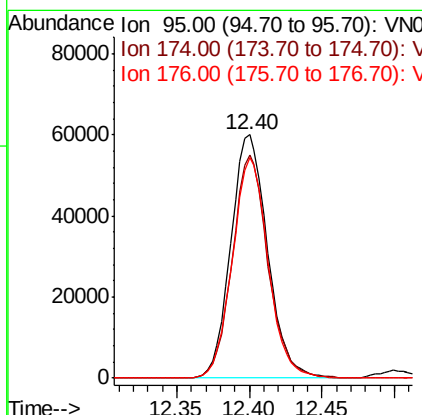
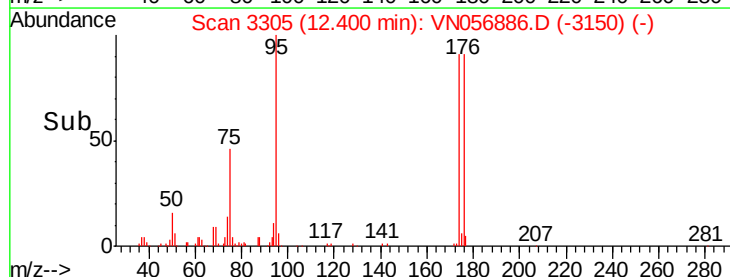
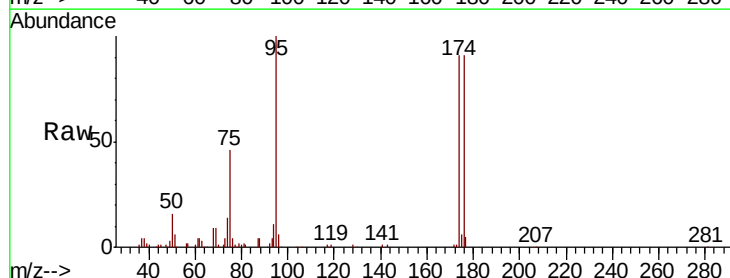
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

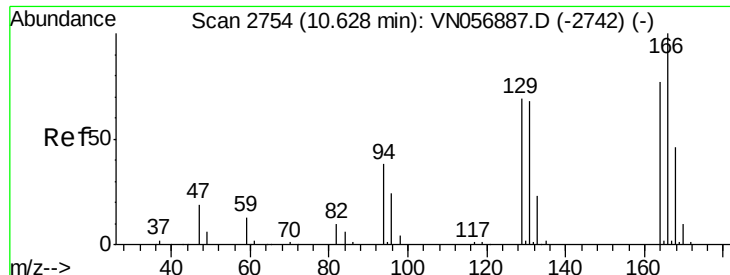
Tot Ion: 43 Resp: 57641
Ion Ratio Lower Upper
43 100
58 55.0 45.0 67.4
57 19.2 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 26.309 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion: 95 Resp: 105693
Ion Ratio Lower Upper
95 100
174 89.1 71.9 107.9
176 88.0 69.8 104.8





#61

Tetrachloroethene

Concen: 5.384 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 20319

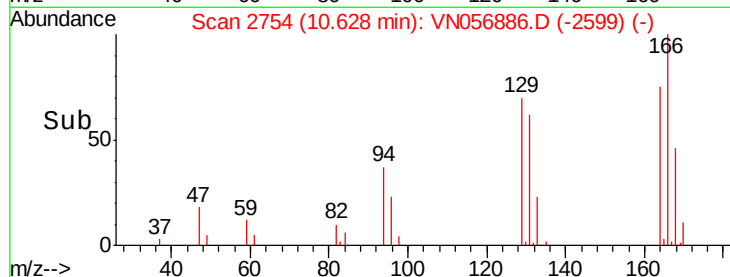
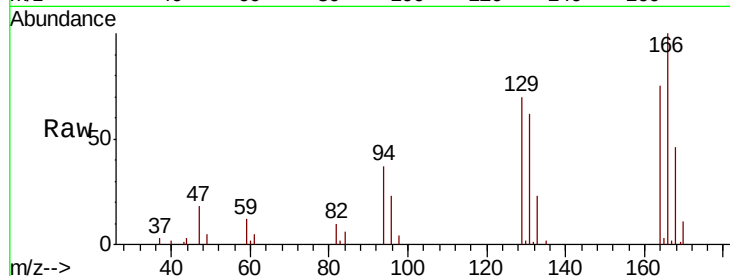
Ion Ratio Lower Upper

164 100

166 133.4 103.9 155.9

129 93.1 72.4 108.6

131 82.8 70.3 105.5

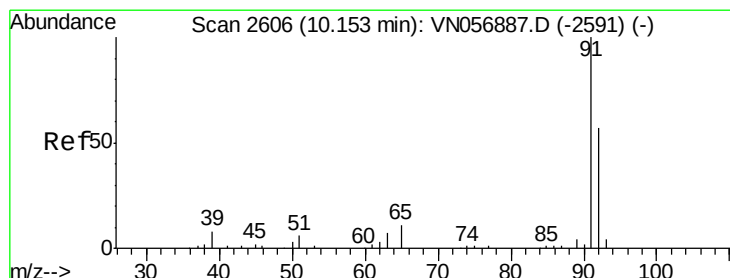
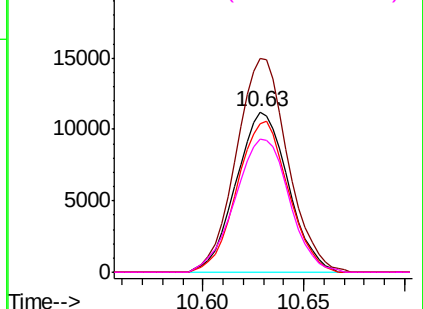


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 4.987 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056886.D

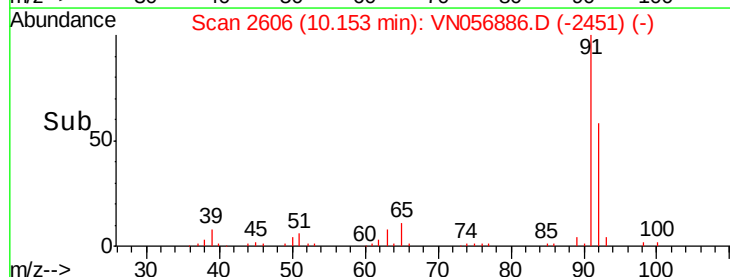
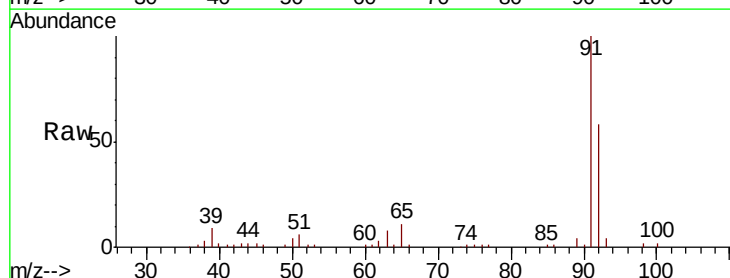
Acq: 23 Jul 2019 19:03

Tgt Ion: 91 Resp: 75886

Ion Ratio Lower Upper

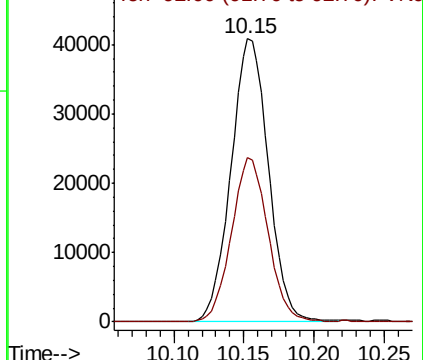
91 100

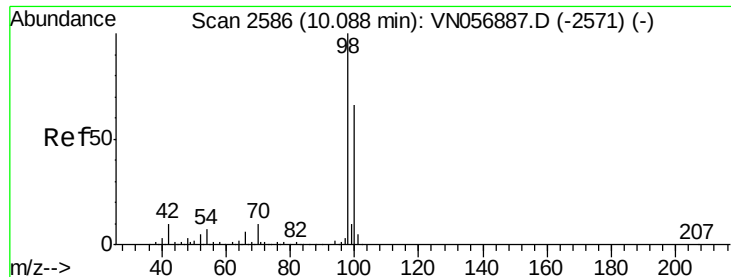
92 56.8 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 32.240 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

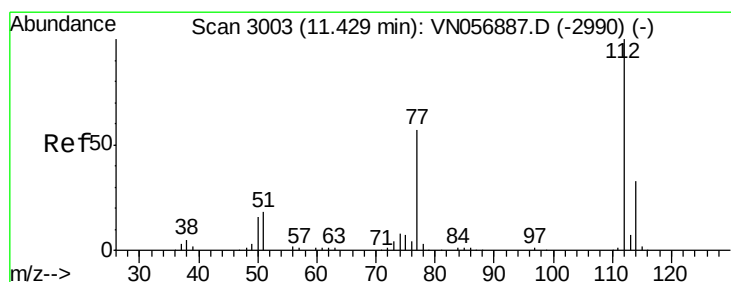
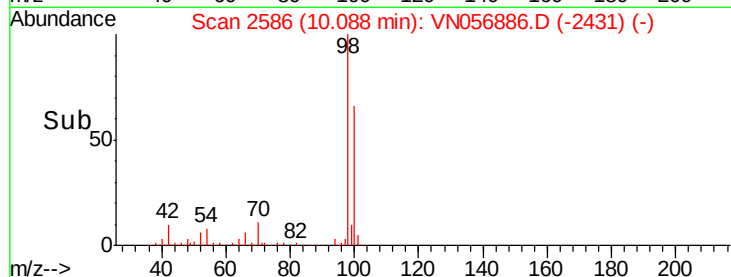
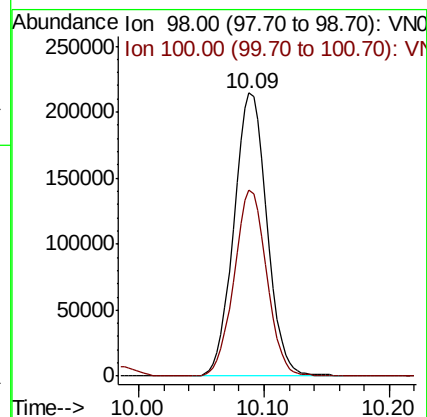
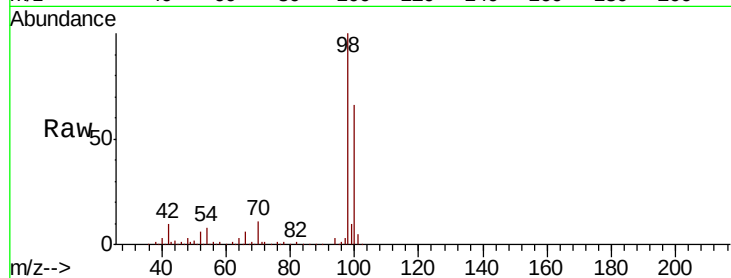
VSTDIC005

Tot Ion: 98 Resp: 392352

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2



#64

Chlorobenzene

Concen: 4.727 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056886.D

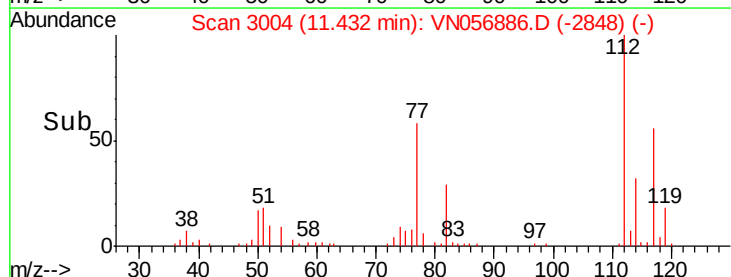
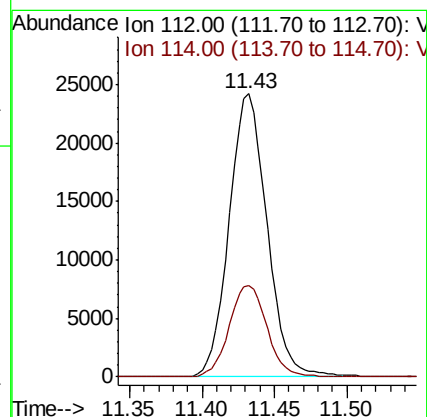
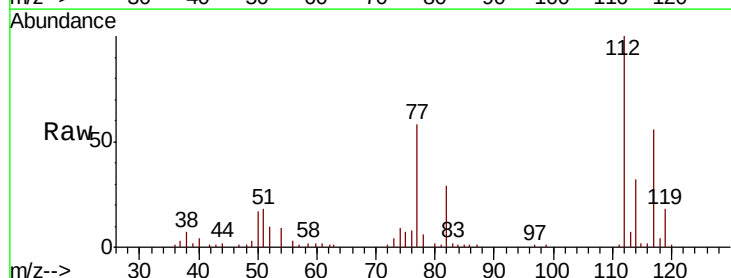
Acq: 23 Jul 2019 19:03

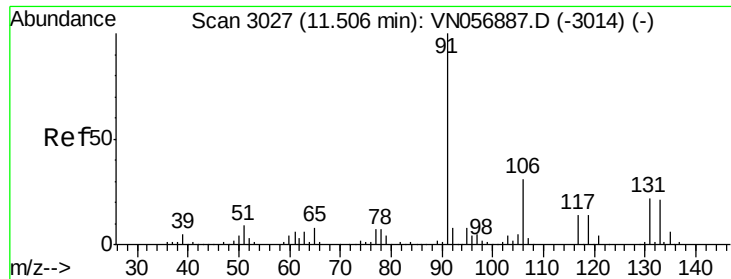
Tgt Ion: 112 Resp: 43820

Ion Ratio Lower Upper

112 100

114 32.4 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 4.895 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

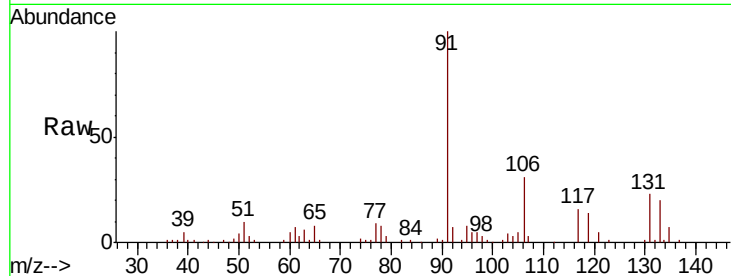
Tot Ion:131 Resp: 16781

Ion Ratio Lower Upper

131 100

133 92.5 0.0 189.6

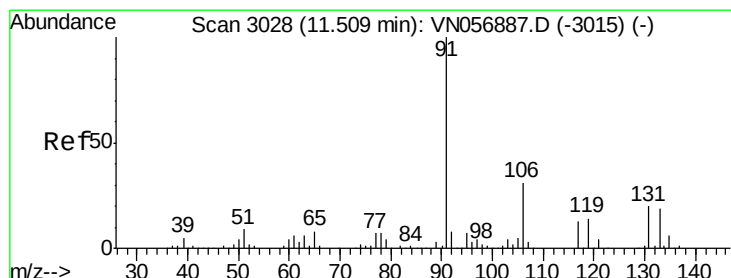
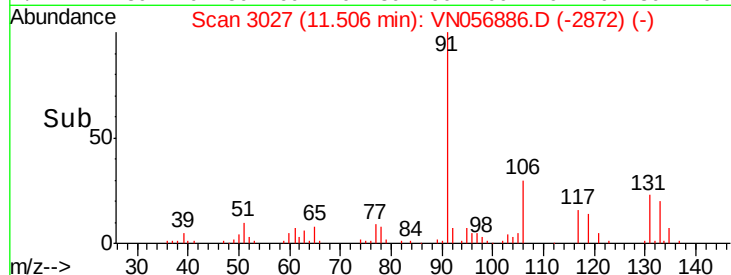
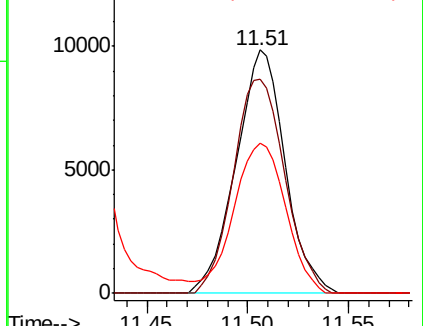
119 65.4 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 4.437 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056886.D

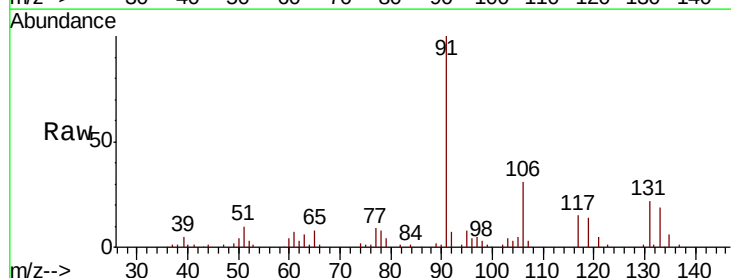
Acq: 23 Jul 2019 19:03

Tgt Ion: 91 Resp: 72530

Ion Ratio Lower Upper

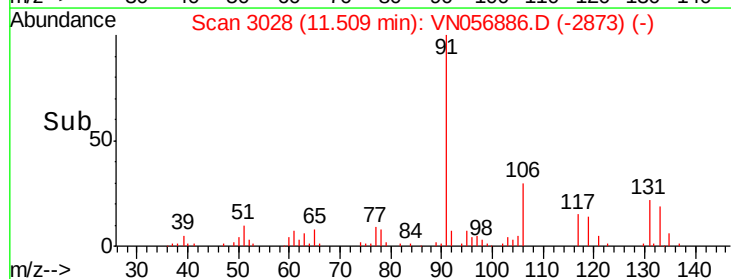
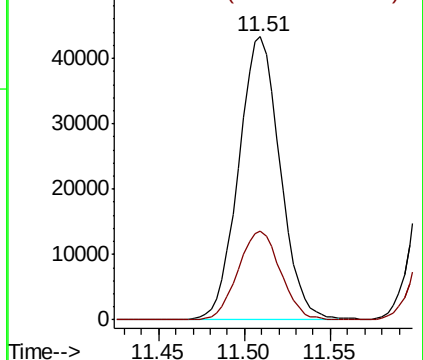
91 100

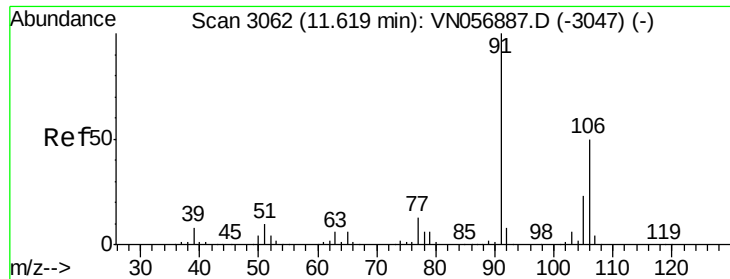
106 31.4 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

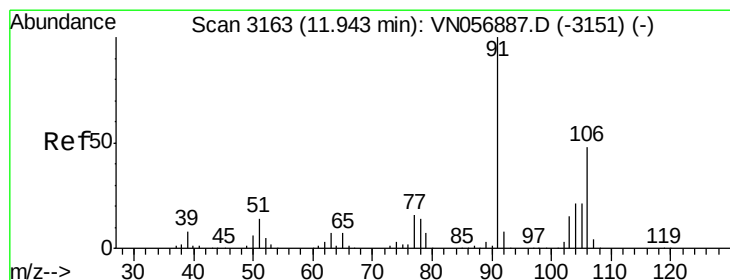
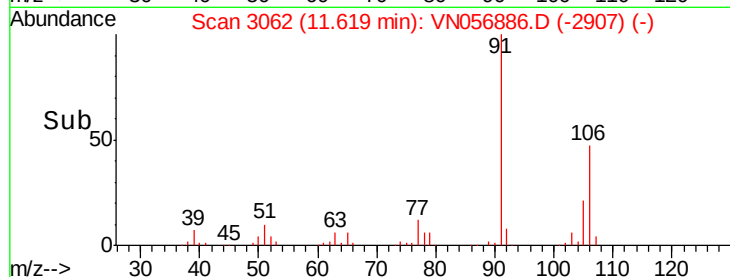
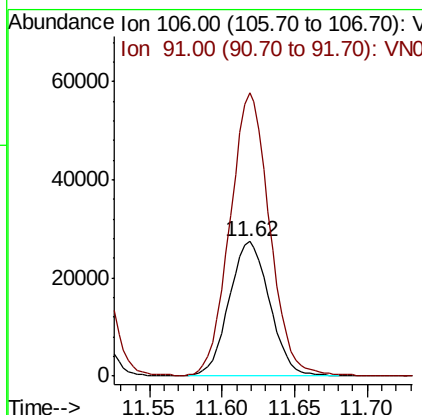
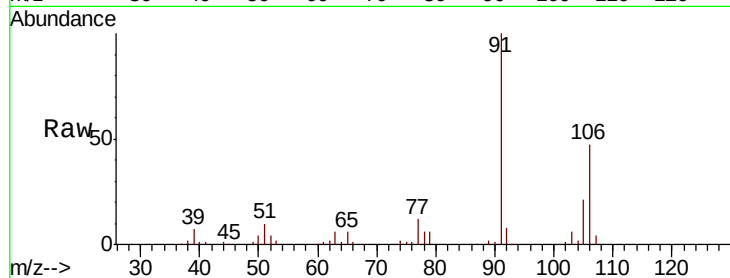




#67
m/p-Xylenes
Concen: 8.690 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

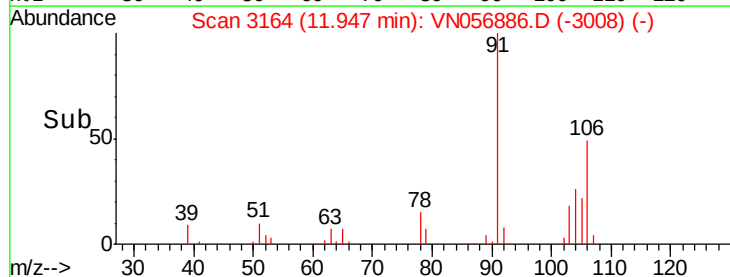
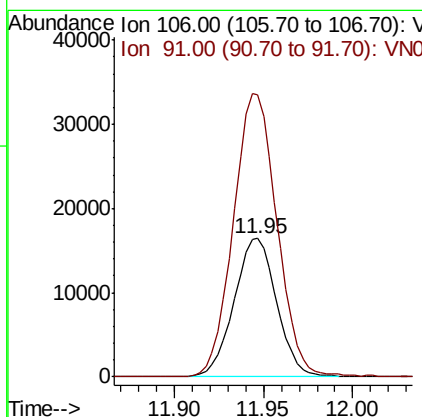
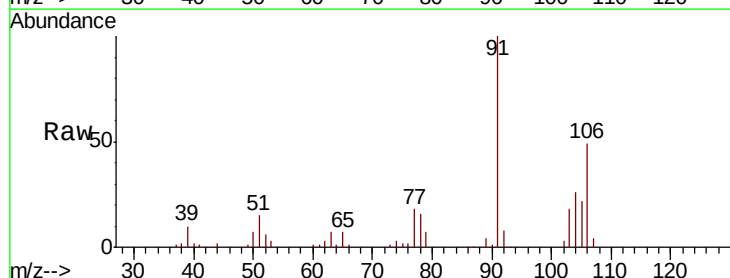
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

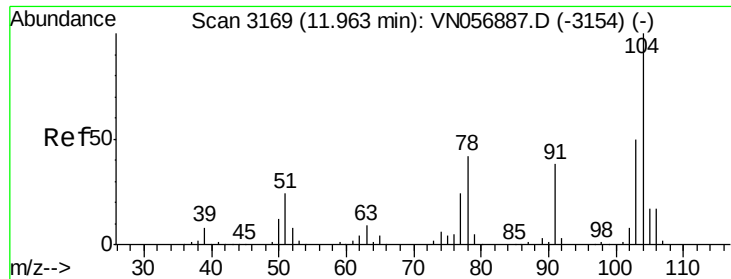
Tot Ion:106 Resp: 53458
Ion Ratio Lower Upper
106 100
91 206.0 160.6 240.8



#68
o-Xylene
Concen: 4.535 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion:106 Resp: 27379
Ion Ratio Lower Upper
106 100
91 209.7 106.2 318.6

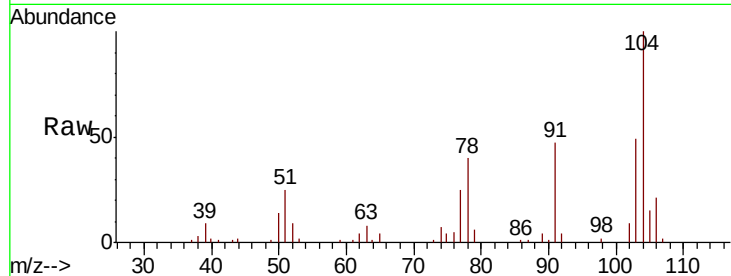




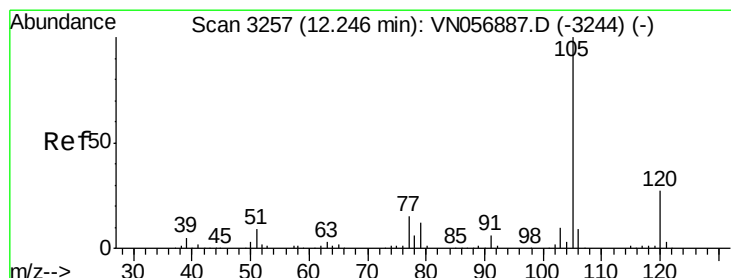
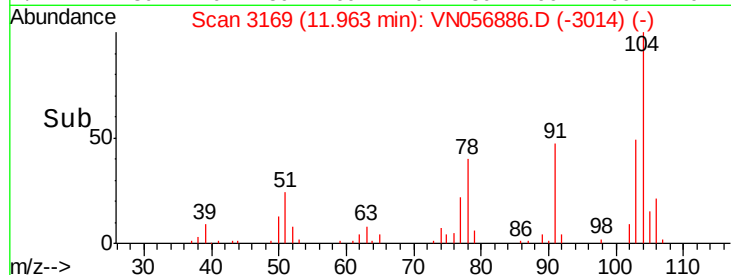
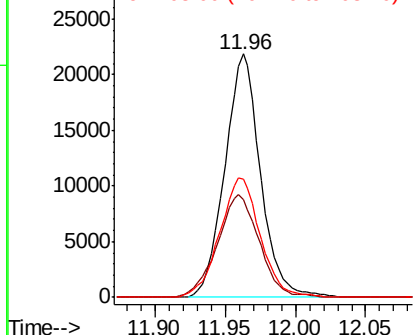
#69
Stvrene
Concen: 3.877 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 38556
Ion Ratio Lower Upper
104 100
78 49.3 38.5 57.7
103 55.8 44.7 67.1

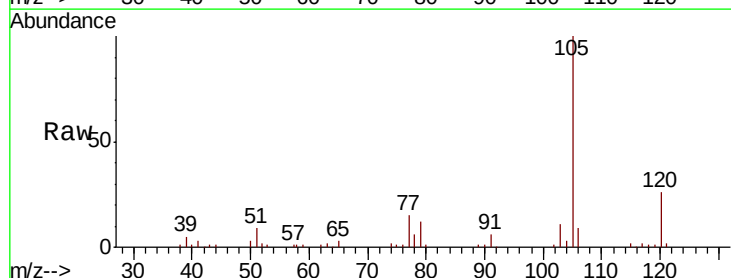


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

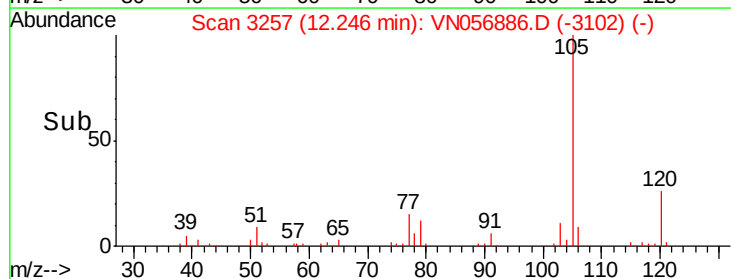
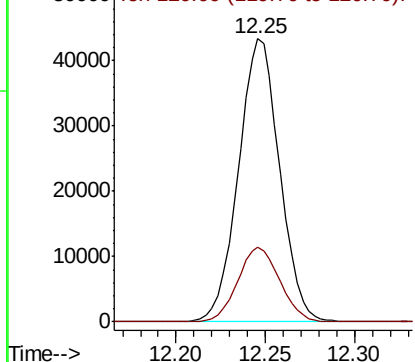


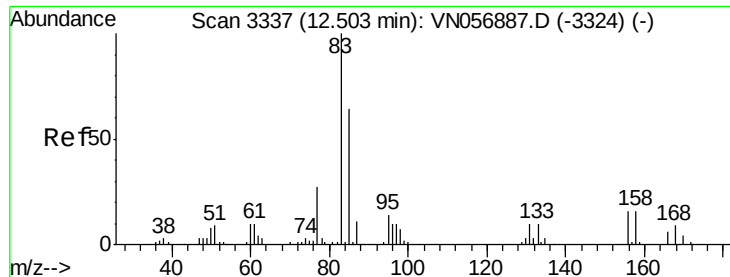
#70
Isopropylbenzene
Concen: 4.416 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion:105 Resp: 69733
Ion Ratio Lower Upper
105 100
120 26.9 18.7 34.7



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

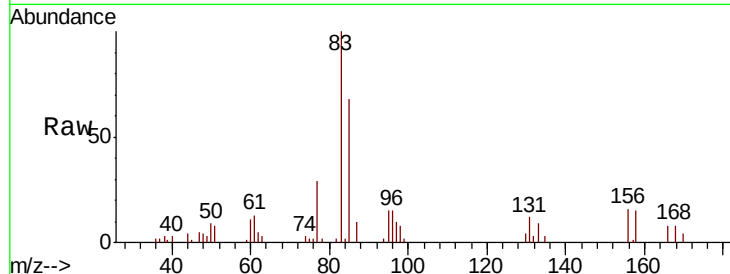




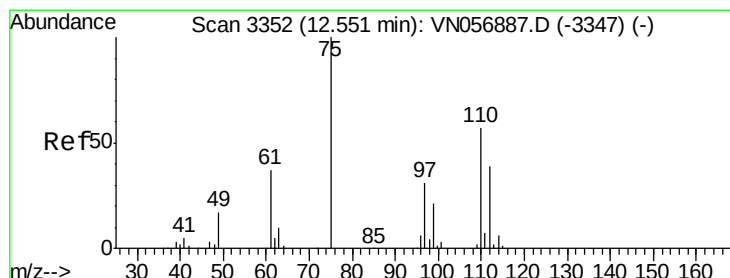
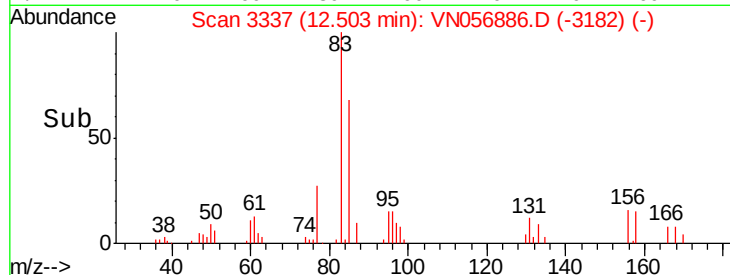
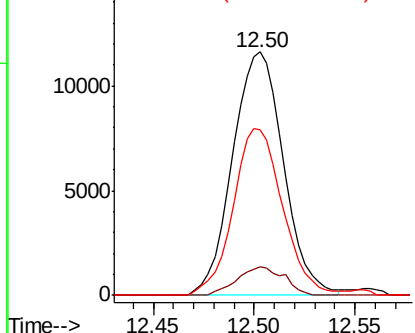
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.074 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 83 Resp: 20510
 Ion Ratio Lower Upper
 83 100
 131 9.0 5.1 15.2
 85 66.8 31.8 95.4

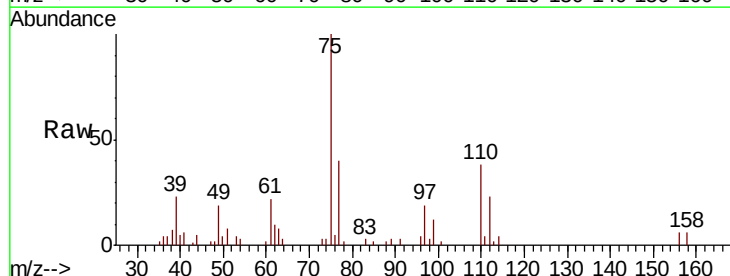


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

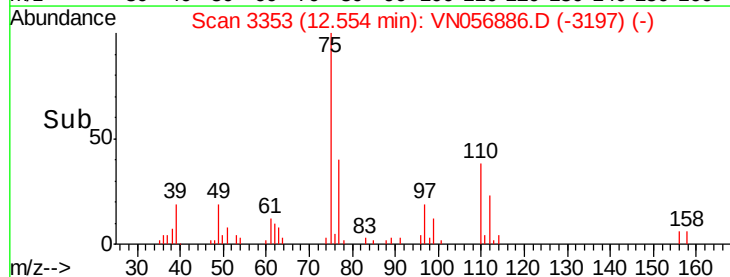
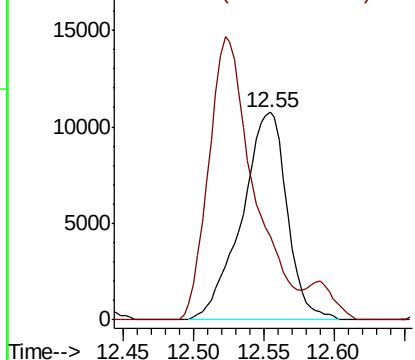


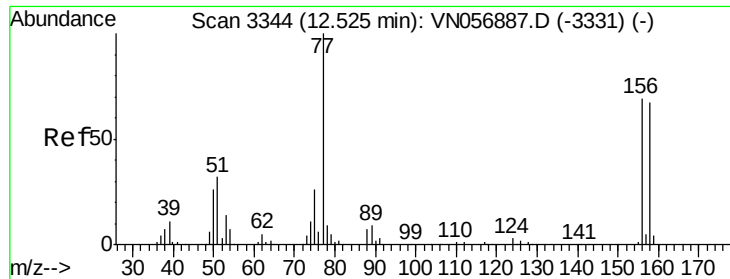
#72
 1,2,3-Trichloropropane
 Concen: 5.652 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 75 Resp: 24206
 Ion Ratio Lower Upper
 75 100
 77 135.1 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.314 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

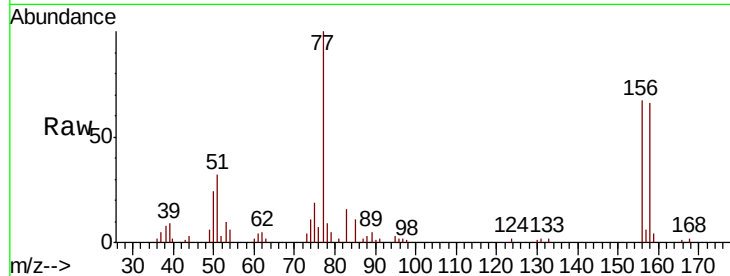
Tot Ion:156 Resp: 17751

Ion Ratio Lower Upper

156 100

77 184.2 0.0 364.6

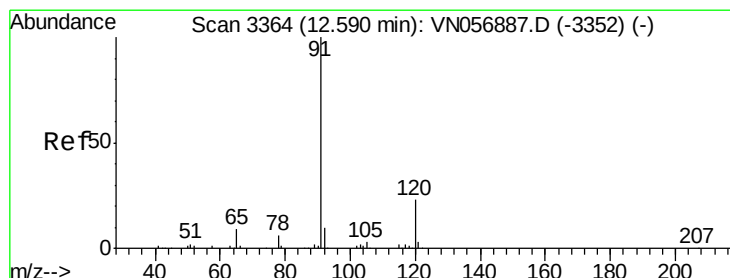
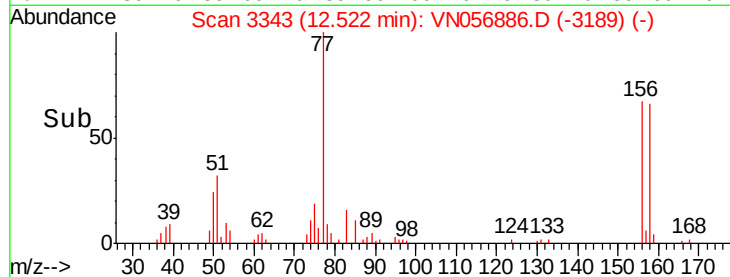
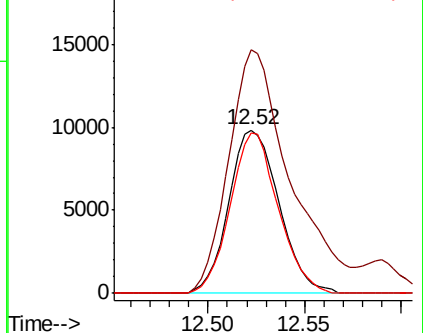
158 93.8 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 3.992 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056886.D

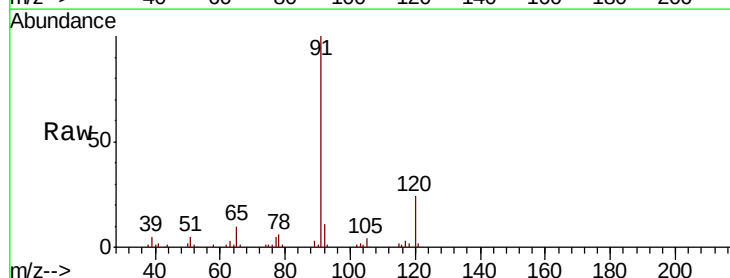
Acq: 23 Jul 2019 19:03

Tgt Ion: 91 Resp: 70204

Ion Ratio Lower Upper

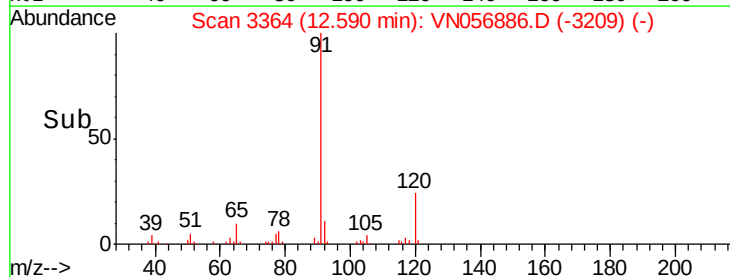
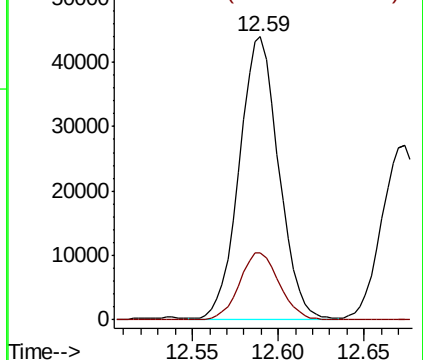
91 100

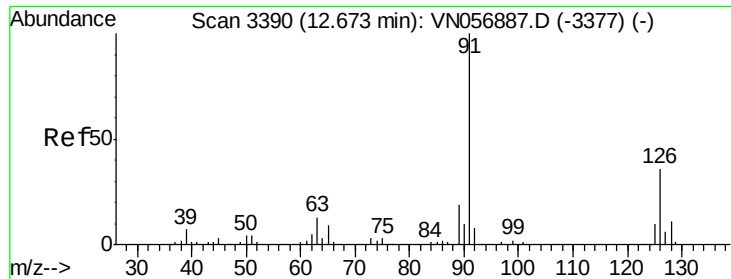
120 23.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.249 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

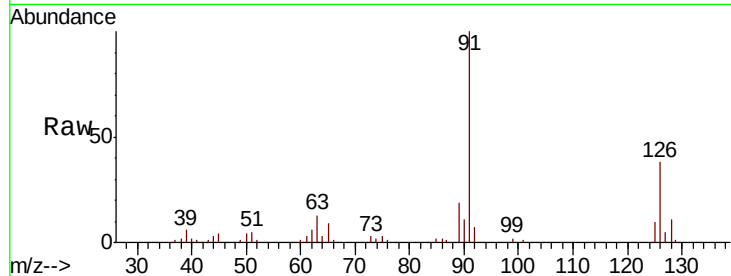
VSTDIC005

Tot Ion: 91 Resp: 45329

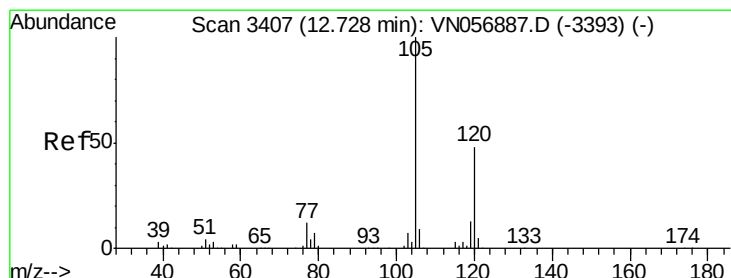
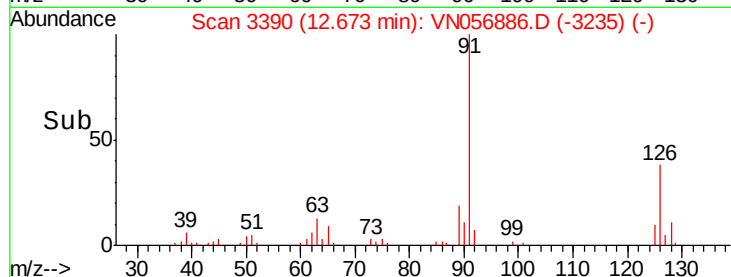
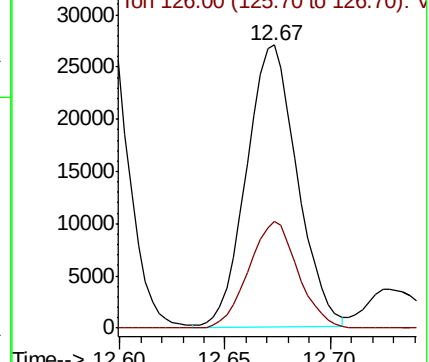
Ion Ratio Lower Upper

91 100

126 36.5 0.0 70.8



Abundance Ion 91.00 (90.70 to 91.70): VN056886.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.394 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056886.D

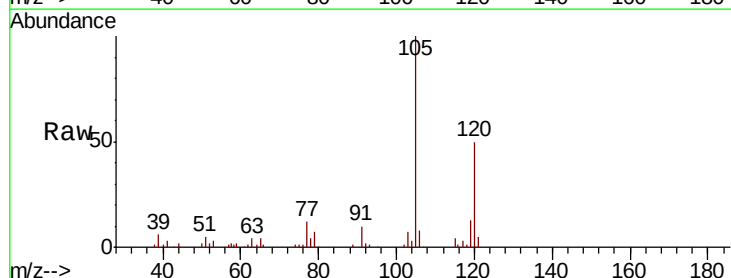
Acq: 23 Jul 2019 19:03

Tgt Ion: 105 Resp: 58790

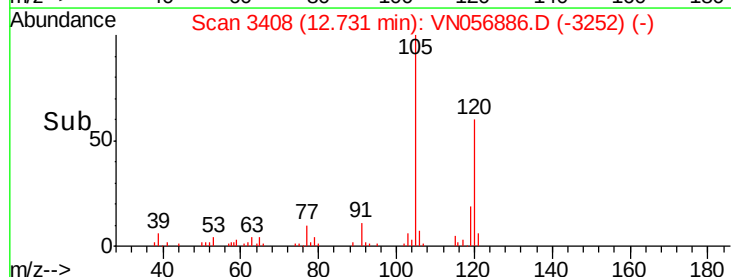
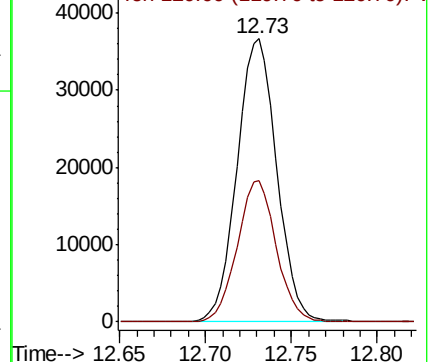
Ion Ratio Lower Upper

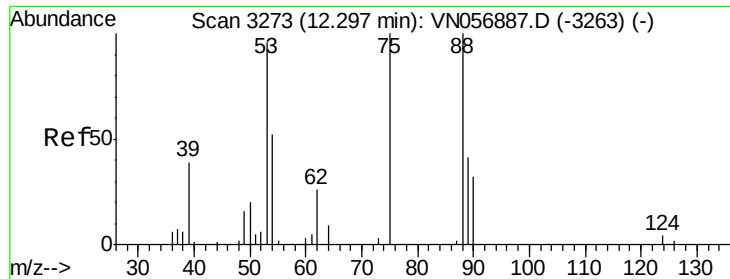
105 100

120 48.8 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056886.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.163 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

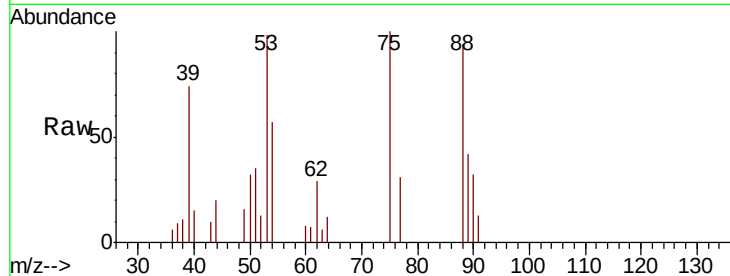
Tot Ion: 75 Resp: 4503

Ion Ratio Lower Upper

75 100

53 98.4 48.0 144.0

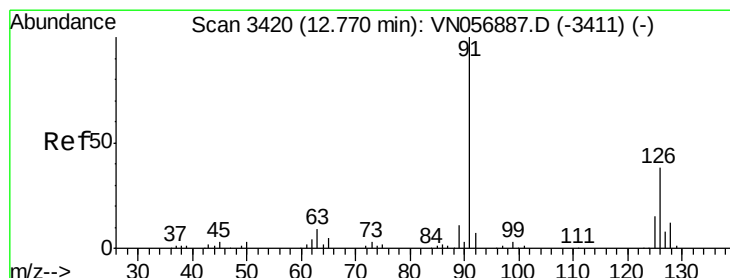
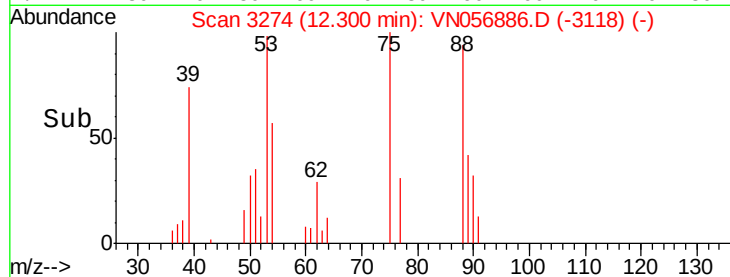
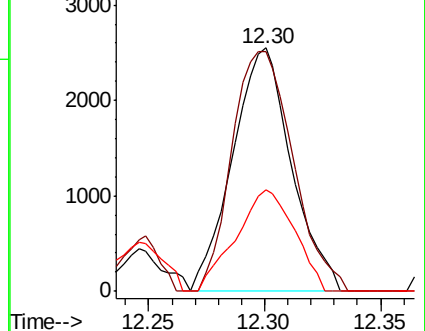
89 41.6 21.4 64.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 3.631 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056886.D

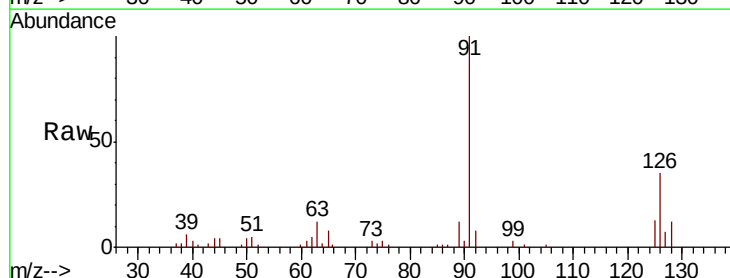
Acq: 23 Jul 2019 19:03

Tgt Ion: 91 Resp: 37355

Ion Ratio Lower Upper

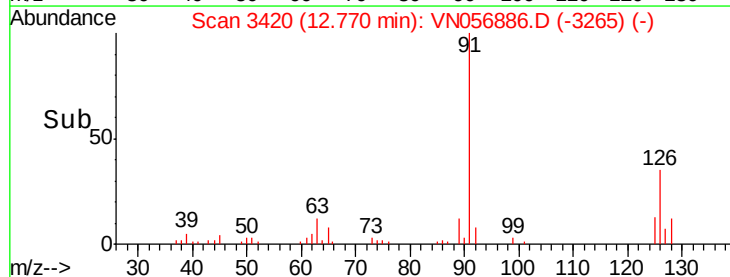
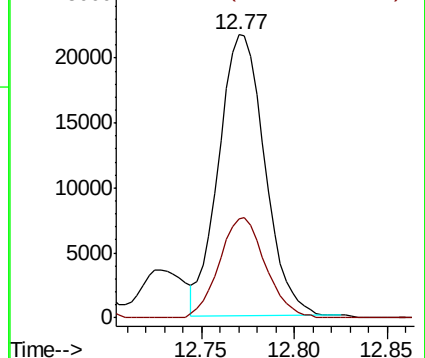
91 100

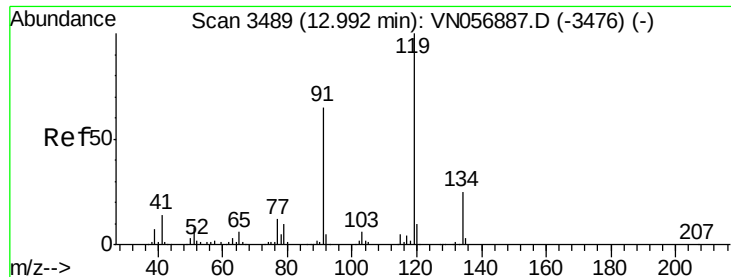
126 35.5 0.0 69.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

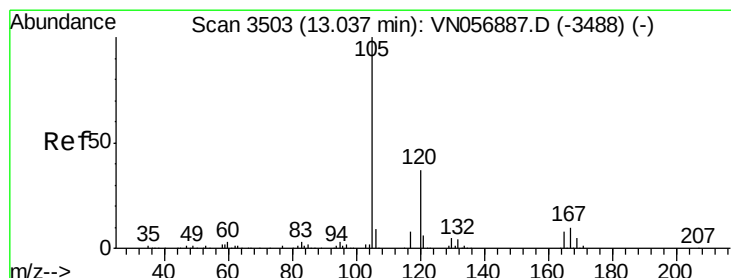
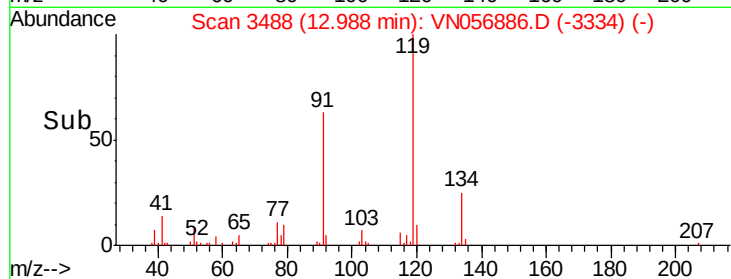
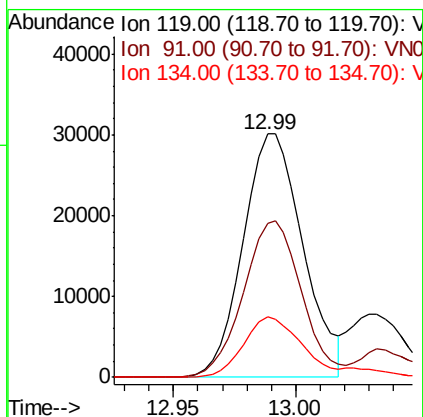
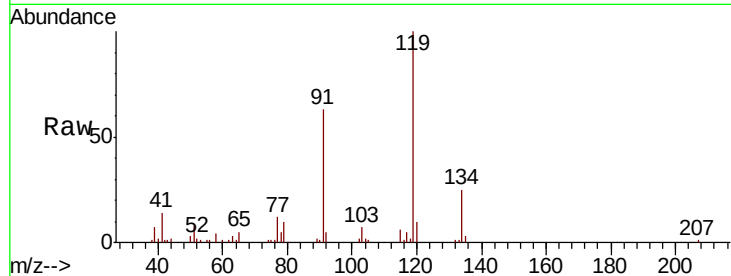




#79
tert-butylbenzene
Concen: 4.494 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

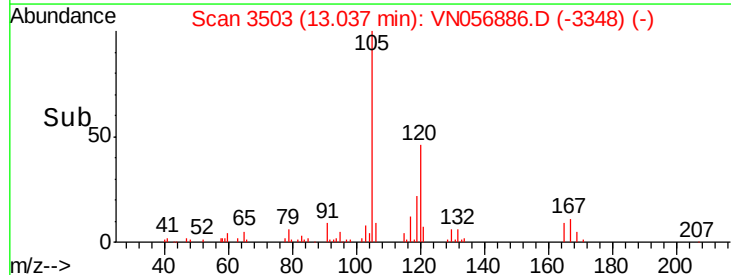
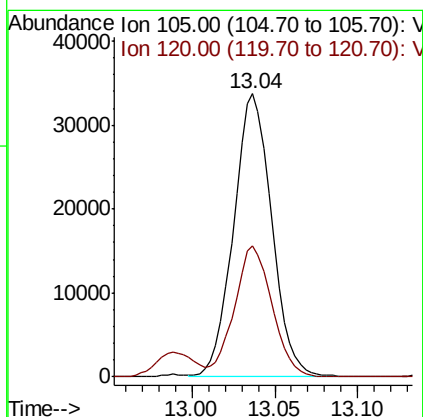
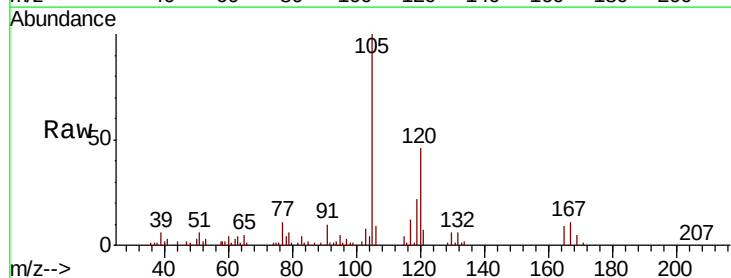
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

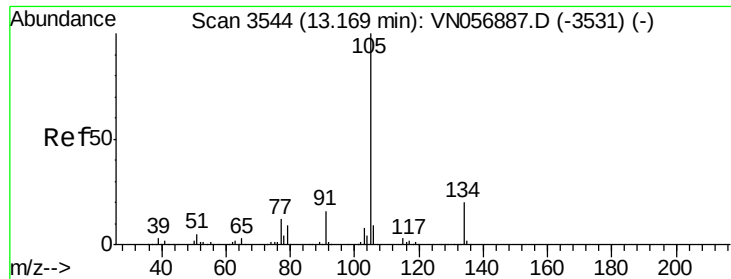
Tot Ion:119 Resp: 51382
Ion Ratio Lower Upper
119 100
91 62.3 0.0 126.8
134 23.8 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 4.073 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056886.D
Acq: 23 Jul 2019 19:03

Tgt Ion:105 Resp: 54125
Ion Ratio Lower Upper
105 100
120 45.6 0.0 90.6





#81

sec-Butylbenzene

Concen: 4.299 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

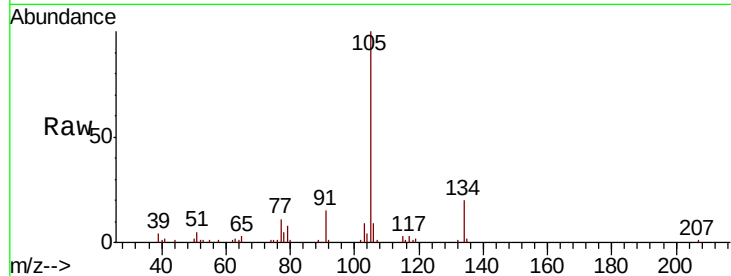
VSTDIC005

Tot Ion:105 Resp: 64757

Ion Ratio Lower Upper

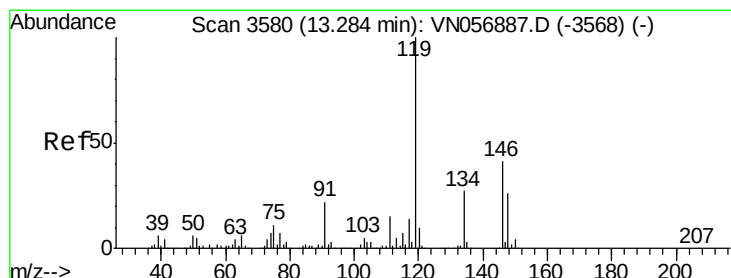
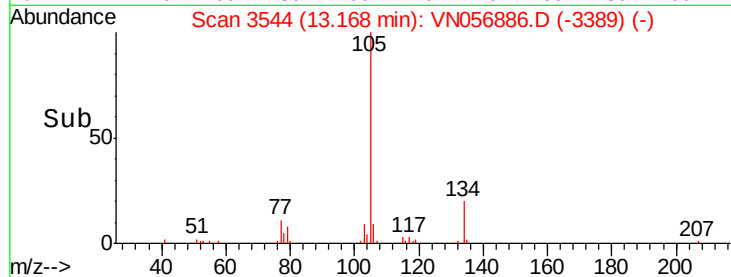
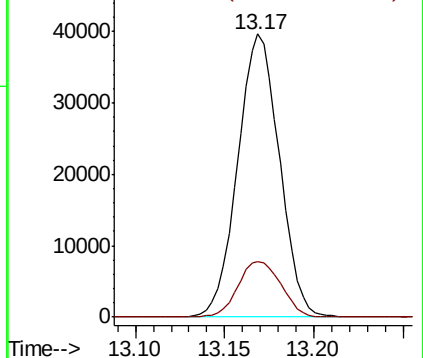
105 100

134 20.2 0.0 41.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.026 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

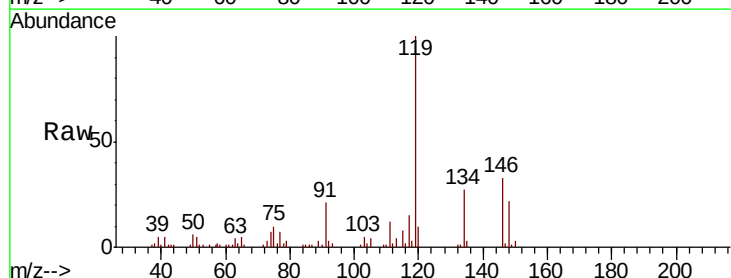
Tgt Ion:119 Resp: 54969

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.2

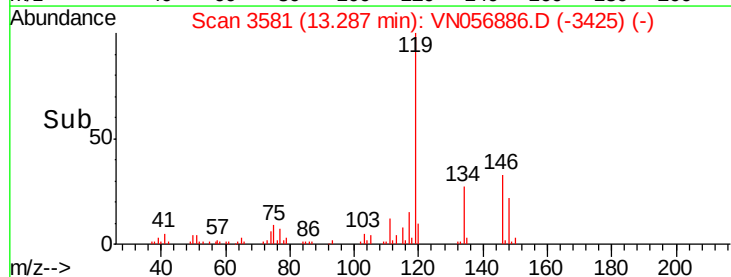
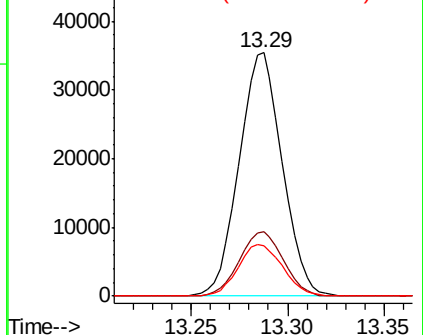
91 21.8 0.0 44.0

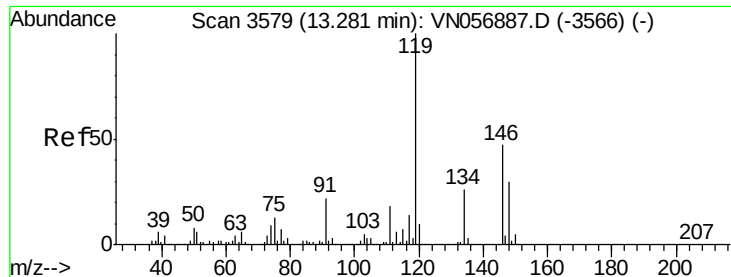


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

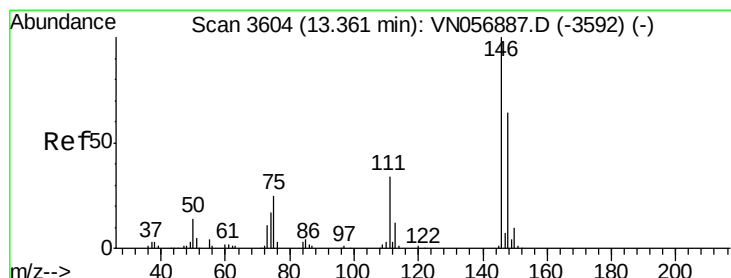
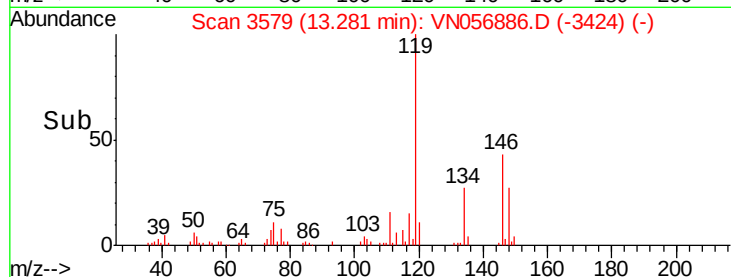
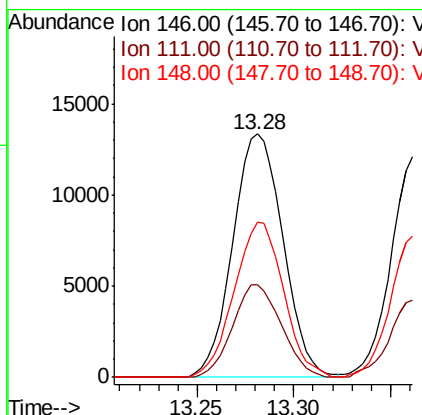
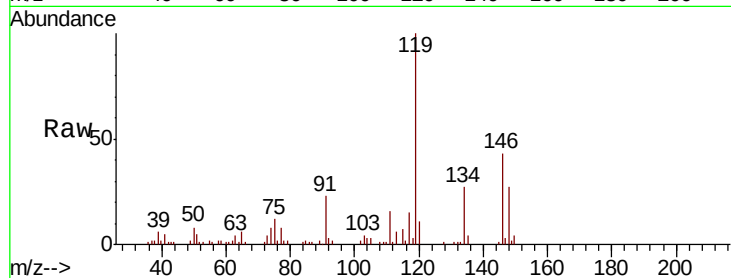




#83
 1,3-Dichlorobenzene
 Concen: 3.561 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

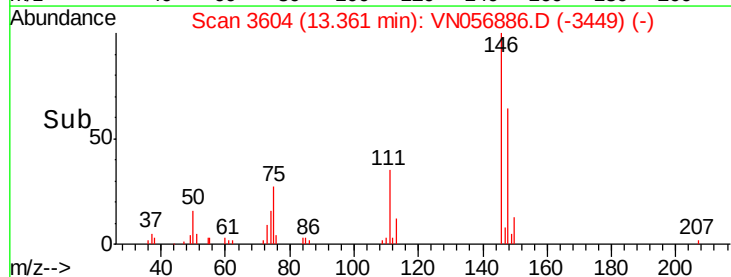
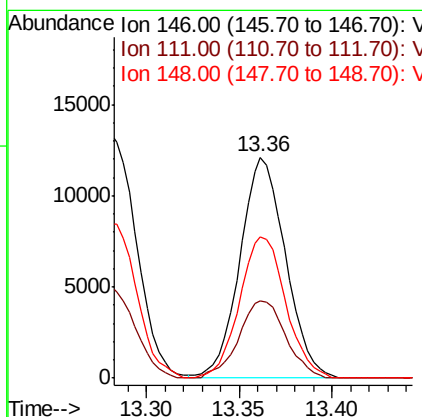
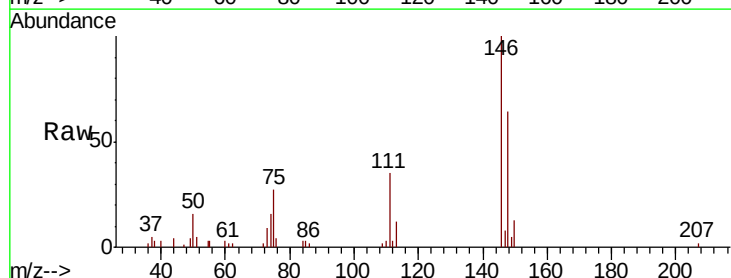
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

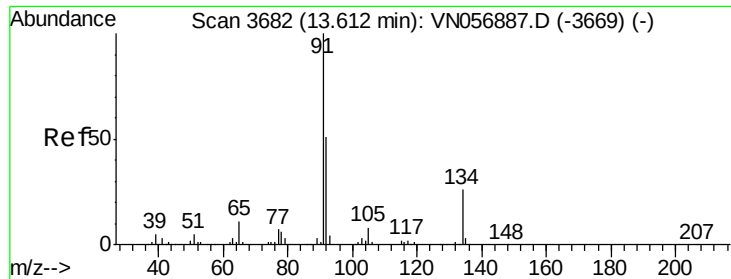
Tot Ion:146 Resp: 24121
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 62.5 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 3.206 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion:146 Resp: 20721
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.8 53.5
 148 64.9 32.6 97.7





#85

n-Butylbenzene

Concen: 3.267 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

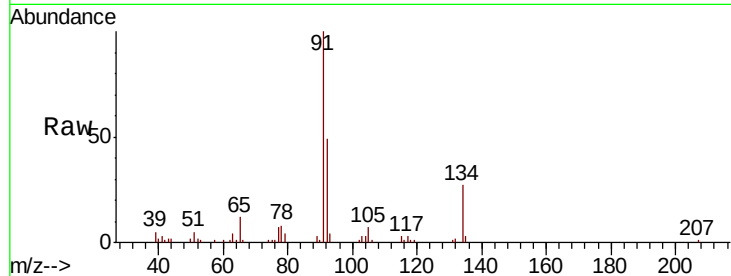
Tot Ion: 91 Resp: 36448

Ion Ratio Lower Upper

91 100

92 50.7 0.0 101.8

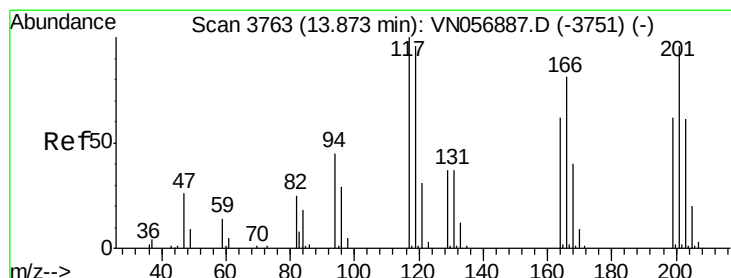
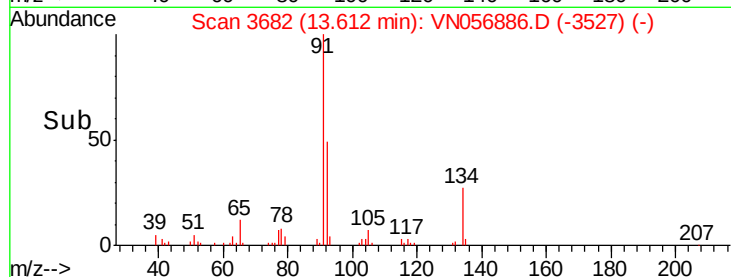
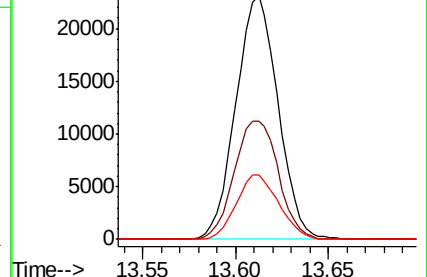
134 26.7 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VN056886.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056886.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056886.D (-3669) (-)



#86

Hexachloroethane

Concen: 4.087 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056886.D

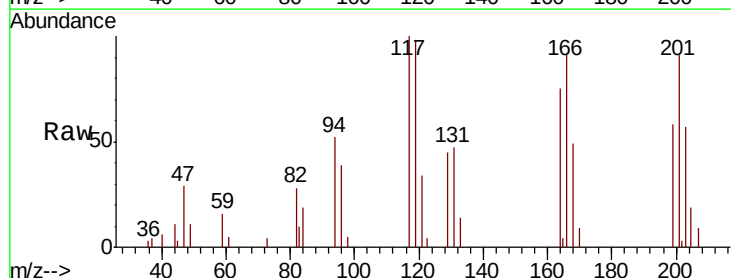
Acq: 23 Jul 2019 19:03

Tgt Ion: 117 Resp: 8913

Ion Ratio Lower Upper

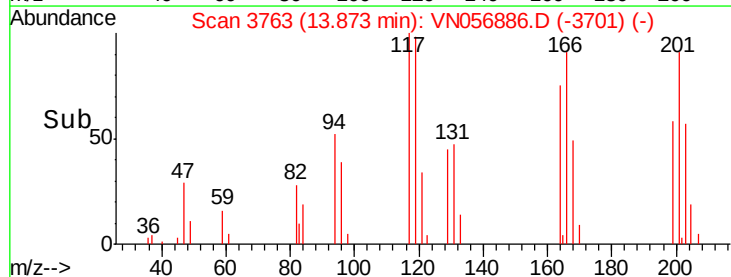
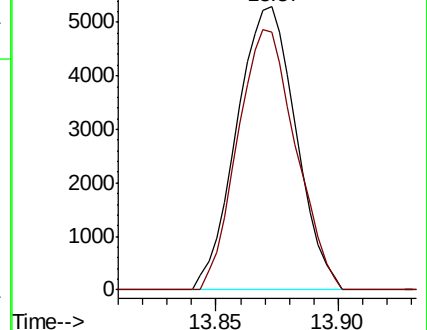
117 100

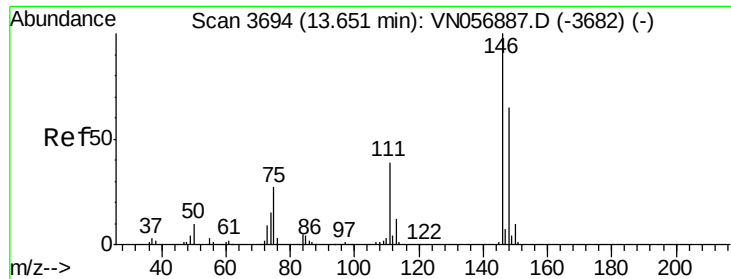
201 90.2 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN056886.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056886.D (-3751) (-)

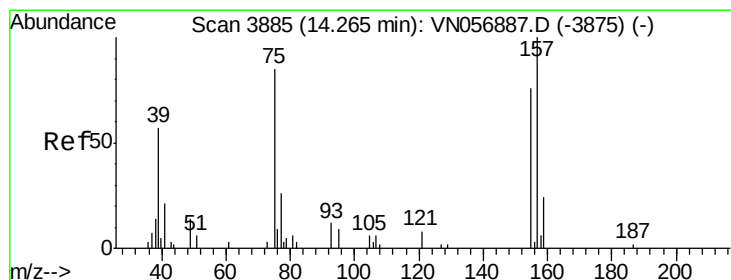
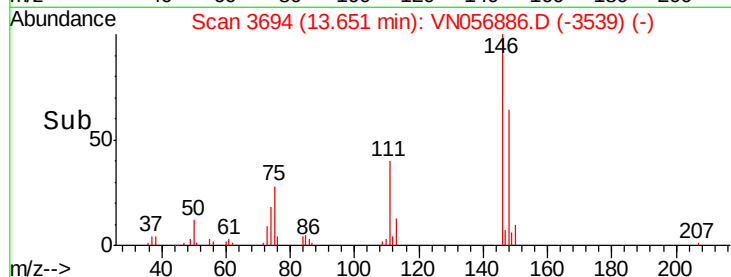
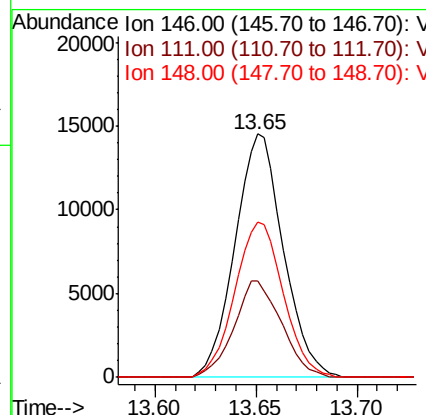
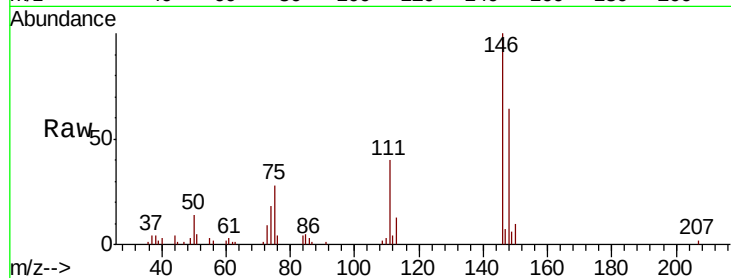




#87
 1,2-Dichlorobenzene
 Concen: 3.565 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

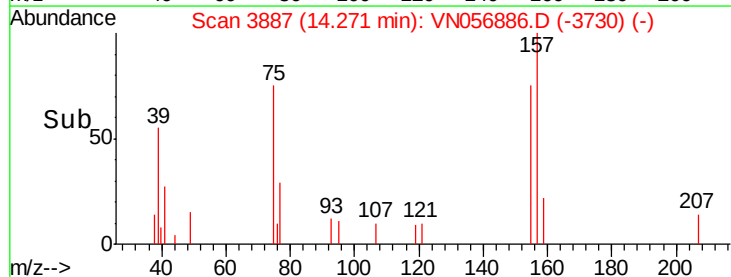
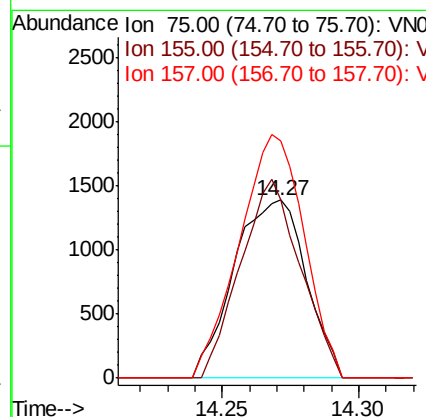
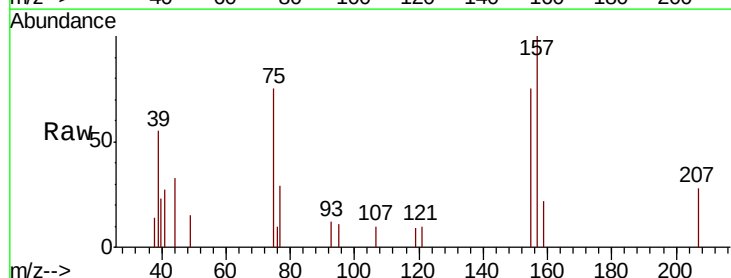
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

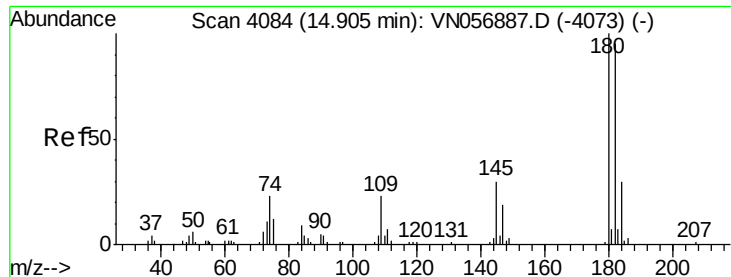
Tot Ion:146 Resp: 24349
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.8
 148 63.9 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.977 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion: 75 Resp: 2556
 Ion Ratio Lower Upper
 75 100
 155 92.6 73.4 110.2
 157 122.6 95.0 142.6

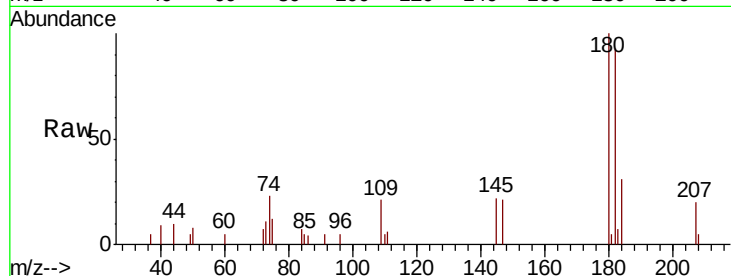




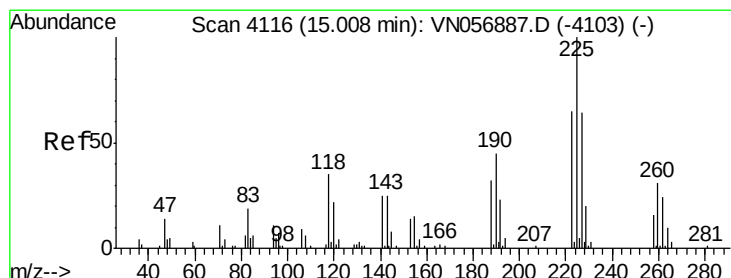
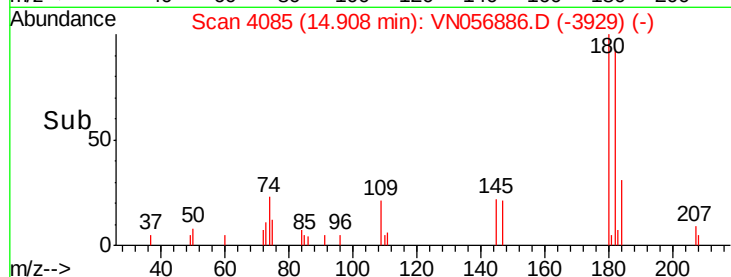
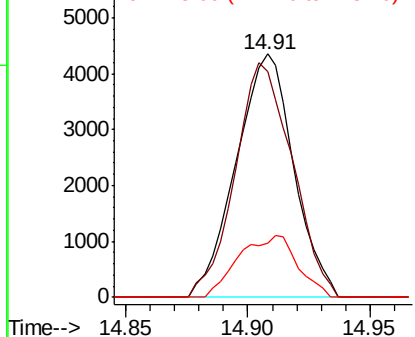
#89
 1,2,4-Trichlorobenzene
 Concen: 1.993 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 7115
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.0 115.4
 145 26.2 23.5 35.3

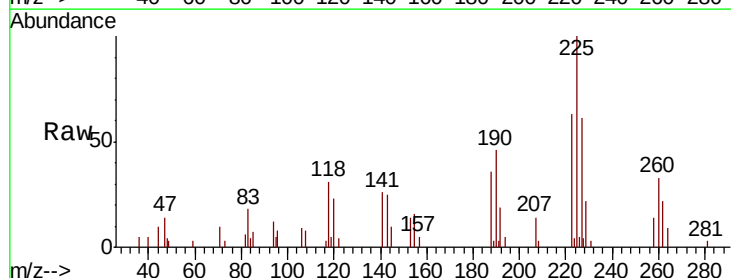


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

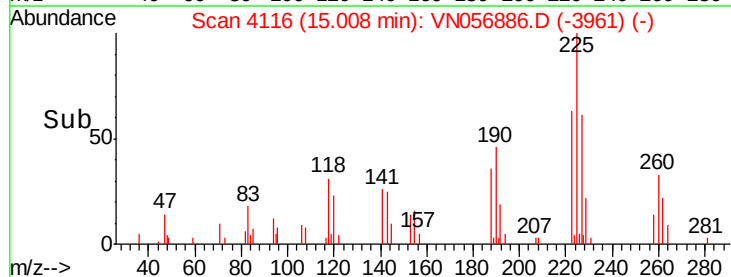
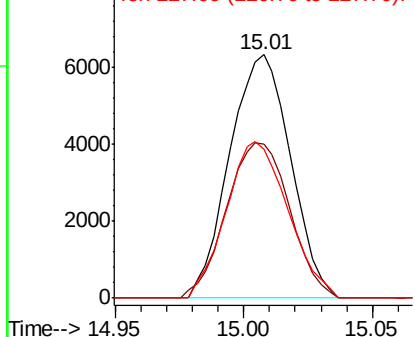


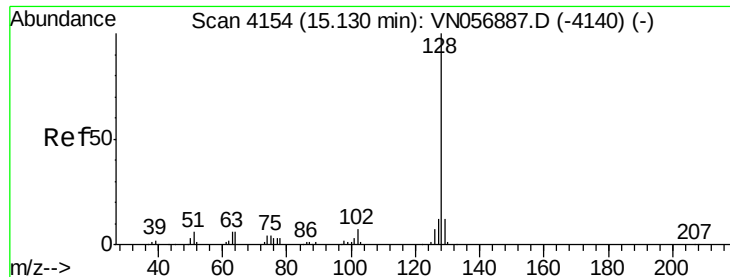
#90
 Hexachlorobutadiene
 Concen: 4.349 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056886.D
 Acq: 23 Jul 2019 19:03

Tgt Ion:225 Resp: 10410
 Ion Ratio Lower Upper
 225 100
 223 66.2 0.0 130.0
 227 65.2 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 1.955 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

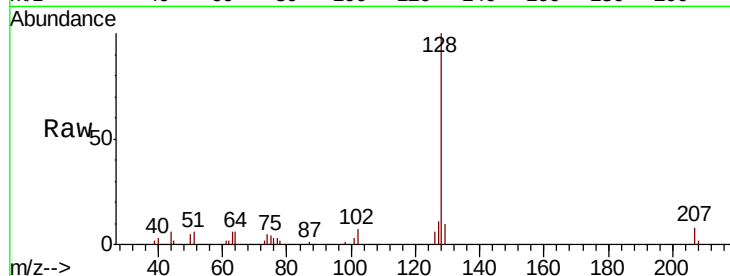
Tot Ion:128 Resp: 18903

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

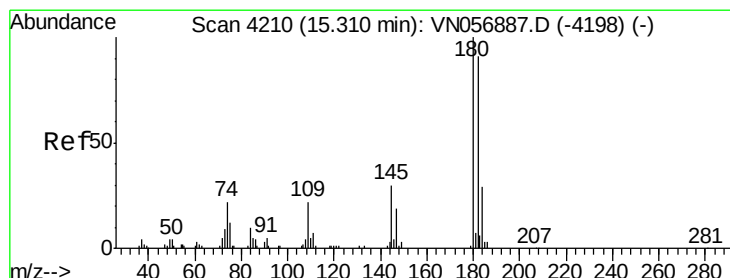
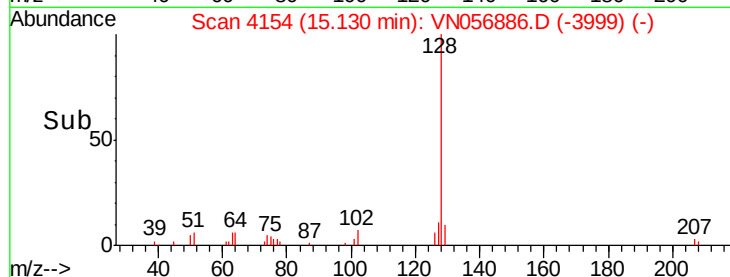
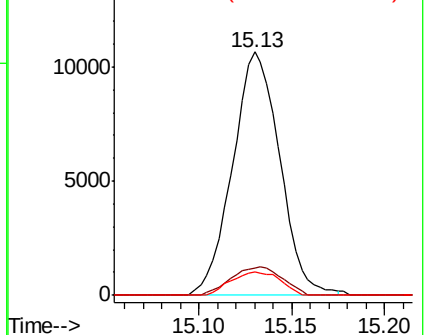
129 10.0 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 2.561 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056886.D

Acq: 23 Jul 2019 19:03

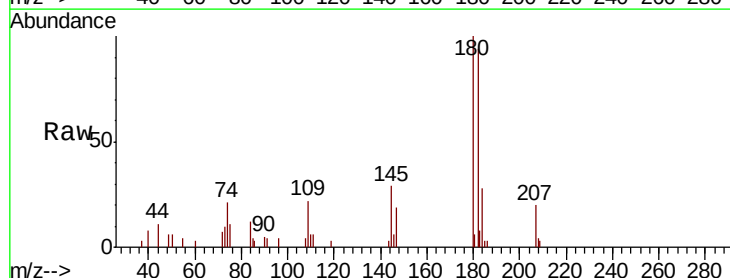
Tgt Ion:180 Resp: 9702

Ion Ratio Lower Upper

180 100

182 93.4 0.0 188.0

145 27.9 0.0 61.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

