

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058348.D
 Acq On : 24 Sep 2019 16:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 25 01:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	81343	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	481656	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	421536	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	219632	30.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.80%
60) 4-Bromofluorobenzene	12.41	95	215881	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.08	98	610400	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	99005	20.240 ug/l	96
3) Chloromethane	2.04	50	113171	20.037 ug/l	98
4) Vinyl Chloride	2.17	62	114657	20.344 ug/l	95
5) Bromomethane	2.55	94	61461	20.084 ug/l	99
6) Chloroethane	2.69	64	67401	20.236 ug/l	93
7) Trichlorofluoromethane	3.00	101	132918	20.030 ug/l	99
8) Diethyl Ether	3.39	74	59599	20.203 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92200	20.184 ug/l	99
10) 1,1-Dichloroethene	3.72	96	87893	19.683 ug/l	99
11) Methyl Iodide	3.93	142	92348	20.170 ug/l	97
12) Methyl Acetate	4.30	43	118129	19.862 ug/l	97
13) Acrolein	3.60	56	16553	97.877 ug/l	97
14) Acrylonitrile	4.96	53	244618	99.611 ug/l	100
15) Acetone	3.80	58	71104	104.424 ug/l	93
16) Carbon Disulfide	4.03	76	237464	19.135 ug/l	98
17) Allyl chloride	4.30	41	161407	19.351 ug/l	91
18) Methylene Chloride	4.53	84	107176	20.346 ug/l	95
19) trans-1,2-Dichloroethene	5.02	96	97077	19.391 ug/l	96
20) Diisopropyl ether	5.93	45	352736	19.847 ug/l	98
21) 1,1-Dichloroethane	5.83	63	199196	20.029 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	115022	19.780 ug/l	99
23) tert-Butyl Alcohol	4.76	59	87881	96.939 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	318700	19.883 ug/l	100
25) Chloroform	7.36	83	197952	19.656 ug/l	99
26) Cyclohexane	7.64	56	182352	19.617 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	151914	19.322 ug/l	98
30) 2-Butanone	6.82	43	350970	98.313 ug/l	99
31) 2,2-Dichloropropane	6.81	77	157268	19.430 ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	165443	19.510 ug/l	99
33) Carbon Tetrachloride	7.76	117	138595	19.237 ug/l	98
34) Benzene	8.03	78	440351	19.744 ug/l	98
35) Methacrylonitrile	7.16	41	57208	18.631 ug/l	95
36) 1,2-Dichloroethane	8.11	62	169583	19.410 ug/l	100
37) Trichloroethene	8.82	130	107784	19.304 ug/l	99
38) Methylcyclohexane	9.07	83	182156	19.160 ug/l	98
39) 1,2-Dichloropropane	9.11	63	119781	19.689 ug/l	99
40) Dibromomethane	9.20	93	76200	19.846 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	144368	19.023	ug/l	98
42) Vinyl Acetate	5.87	43	1455781	106.803	ug/l	99
43) Ethyl Acetate	6.91	43	143921	20.305	ug/l	99
44) Isopropyl Acetate	8.15	43	238124	18.767	ug/l	99
45) 1,4-Dioxane	9.19	88	41448	387.210	ug/l	96
46) Methyl methacrylate	9.19	41	116300	19.340	ug/l	97
47) n-amyl Acetate	12.08	43	198528	17.975	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	154900	18.679	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	177523	19.227	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	103626	19.311	ug/l	96
51) Ethyl methacrylate	10.43	69	158929	18.719	ug/l	99
52) 1,3-Dichloropropane	10.71	76	187851	19.711	ug/l	99
53) Dibromochloromethane	10.90	129	99607	18.477	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104571	19.096	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	360080	100.161	ug/l	100
56) Bromoform	12.13	173	61628	18.124	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	716222	108.437	ug/l	99
59) 2-Hexanone	10.75	43	527017	105.545	ug/l	100
61) Tetrachloroethene	10.63	164	86583	19.606	ug/l	98
62) Toluene	10.15	91	475712	20.606	ug/l	99
64) Chlorobenzene	11.44	112	279428	19.696	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	96900	19.483	ug/l	99
66) Ethyl Benzene	11.51	91	521964	20.734	ug/l	100
67) m/p-Xylenes	11.62	106	382688	39.596	ug/l	100
68) o-Xylene	11.95	106	186420	19.837	ug/l	99
69) Styrene	11.97	104	304064	19.348	ug/l	98
70) Isopropylbenzene	12.25	105	504296	20.707	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	152094	19.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	188197	28.271	ug/l	63
73) Bromobenzene	12.53	156	113462	19.235	ug/l	97
74) n-propylbenzene	12.60	91	593721	21.147	ug/l	100
75) 2-Chlorotoluene	12.68	91	352117	20.049	ug/l	98
76) 1,3,5-Trimethylbenzene	12.74	105	427932	20.407	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37985	17.493	ug/l	98
78) 4-Chlorotoluene	12.78	91	354450	19.692	ug/l	100
79) tert-butylbenzene	13.00	119	364792	20.092	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	423277	20.222	ug/l	99
81) sec-Butylbenzene	13.18	105	495160	20.793	ug/l	100
82) p-Isopropyltoluene	13.30	119	436356	20.348	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	205905	18.920	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	206406	19.056	ug/l	100
85) n-Butylbenzene	13.62	91	394691	19.810	ug/l	99
86) Hexachloroethane	13.88	117	64001	18.477	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	201968	19.005	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27585	18.260	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	128541	18.514	ug/l	98
90) Hexachlorobutadiene	15.02	225	64894	19.318	ug/l	96
91) Naphthalene	15.14	128	367789	19.290	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	118705	17.802	ug/l	97

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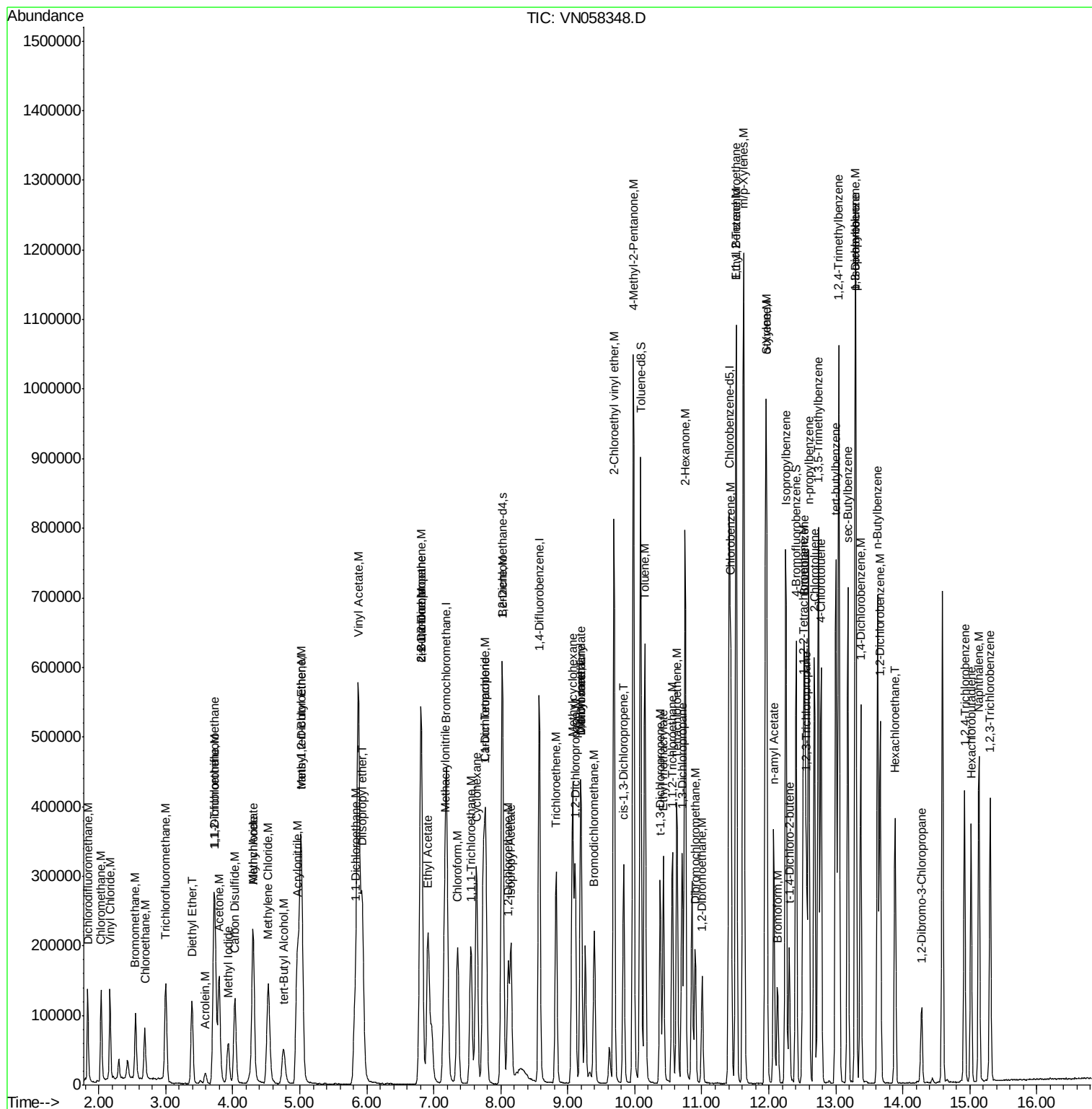
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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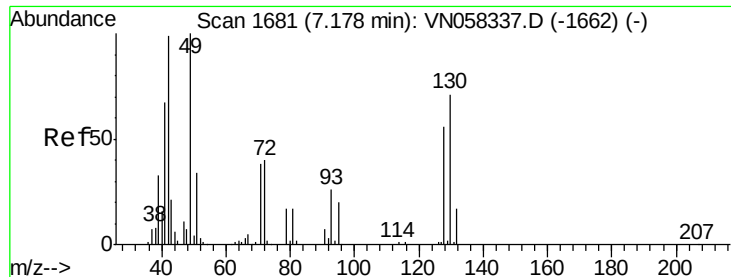
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Sep 25 01:42:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

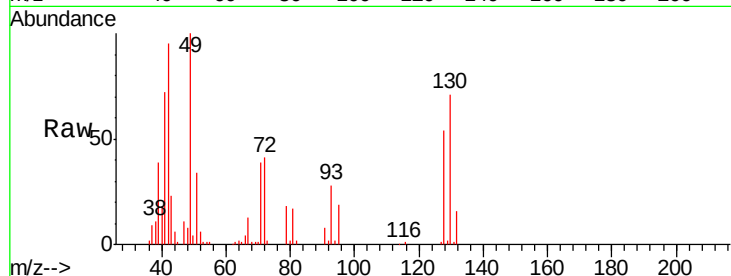
Tgt Ion:128 Resp: 81343

Ion Ratio Lower Upper

128 100

49 185.1 0.0 458.5

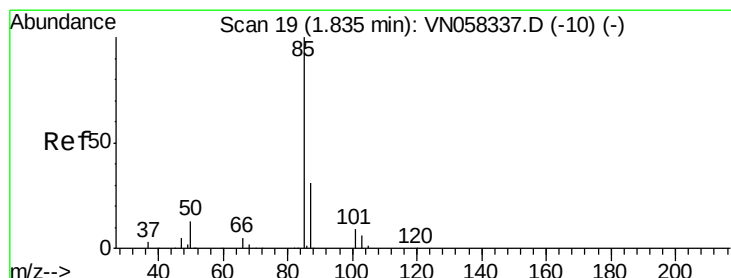
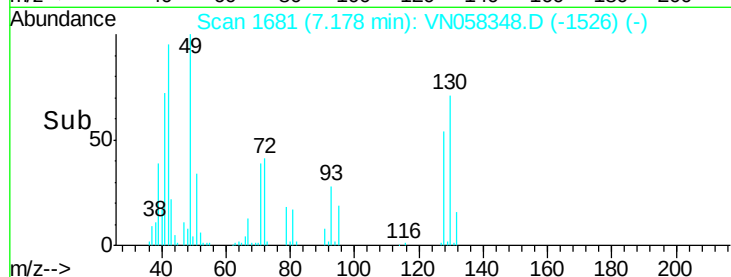
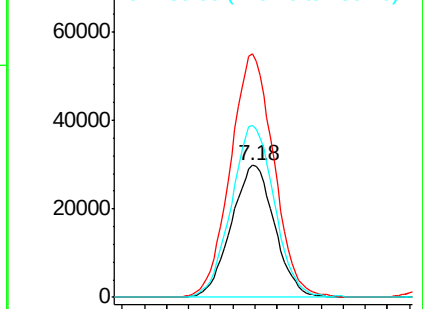
130 129.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.240 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058348.D

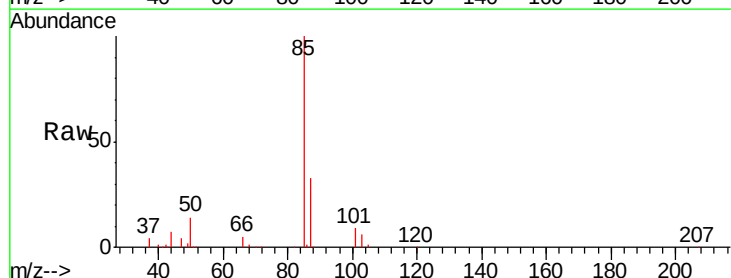
Acq: 24 Sep 2019 16:09

Tgt Ion: 85 Resp: 99005

Ion Ratio Lower Upper

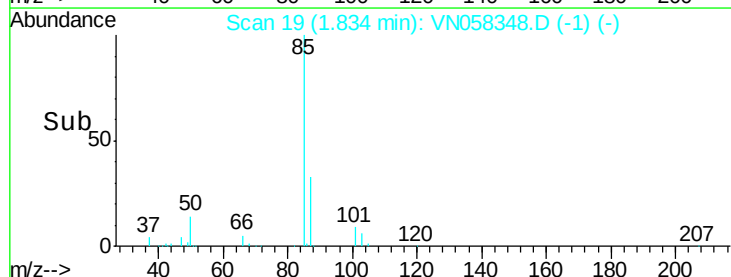
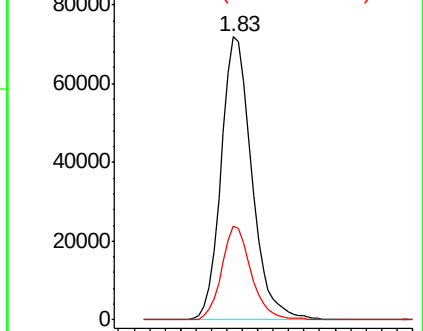
85 100

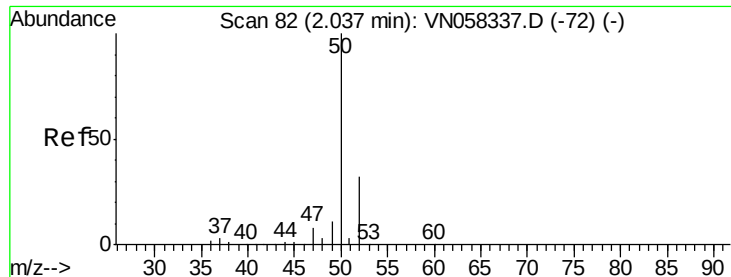
87 33.0 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

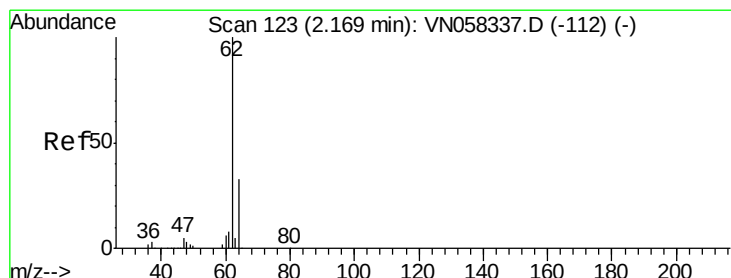
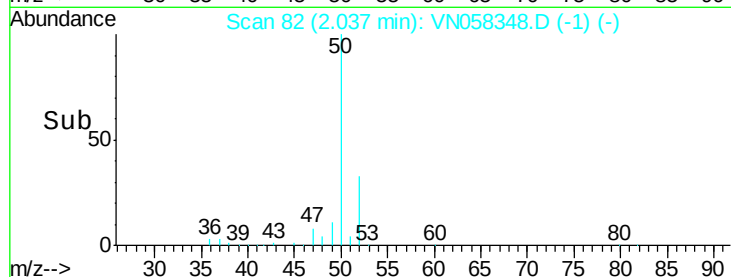
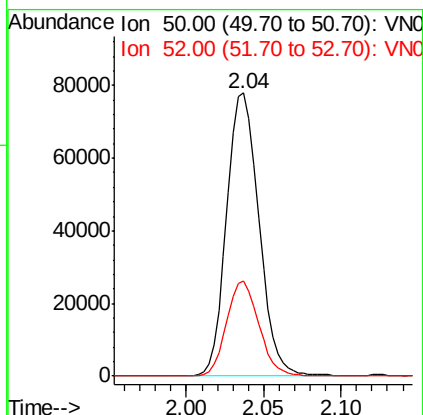
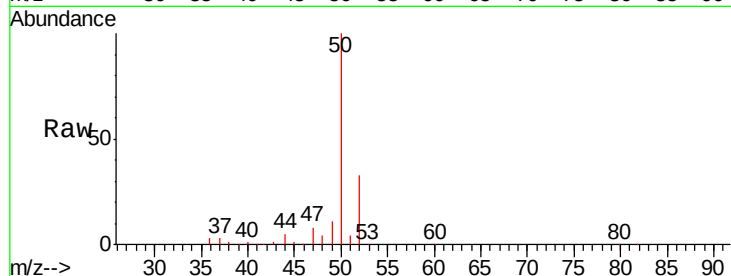




#3
Chloromethane
Concen: 20.037 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

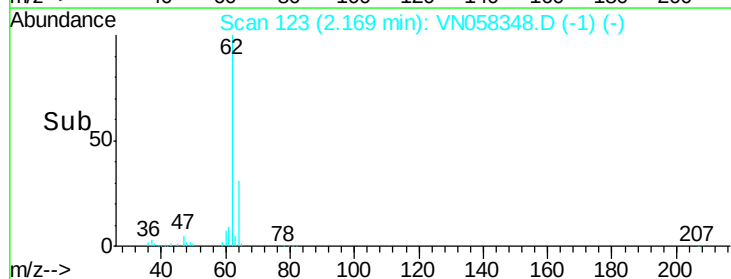
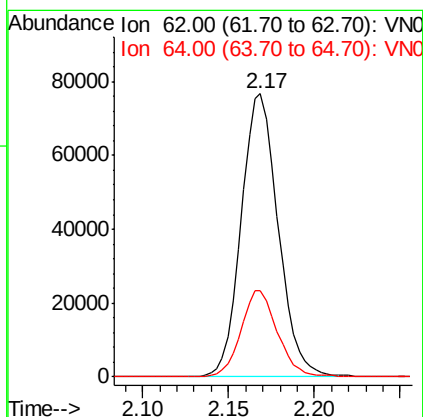
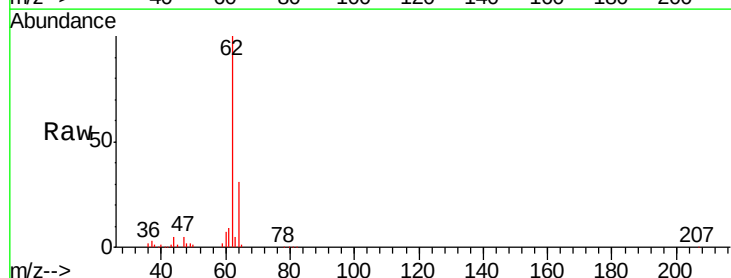
Instrument :
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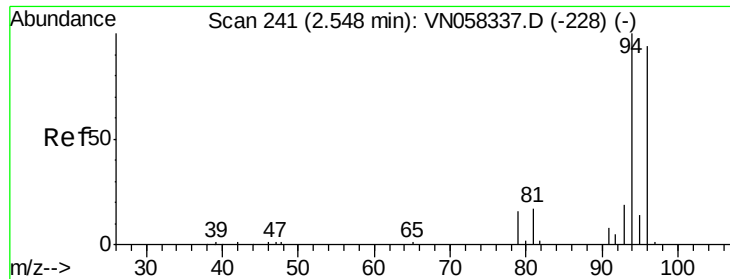
Tgt Ion: 50 Resp: 113171
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9



#4
Vinyl Chloride
Concen: 20.344 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 62 Resp: 114657
Ion Ratio Lower Upper
62 100
64 30.5 26.6 40.0





#5

Bromomethane

Concen: 20.084 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

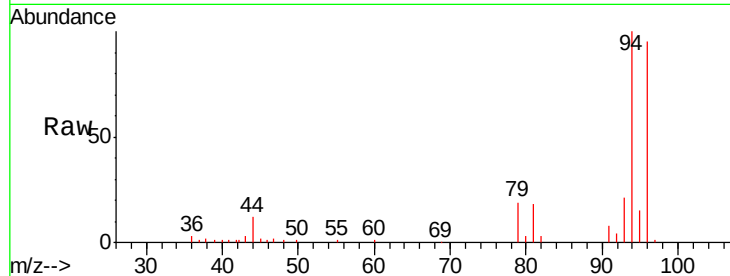
VSTDCCC020EC

Tgt Ion: 94 Resp: 61461

Ion Ratio Lower Upper

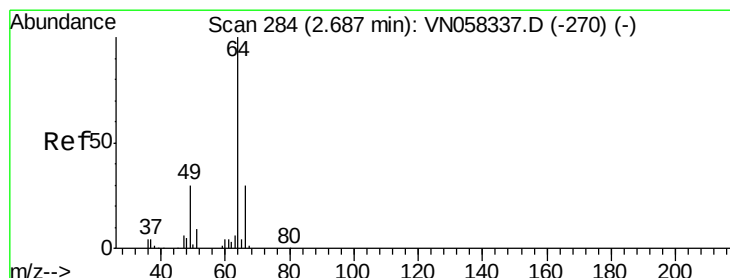
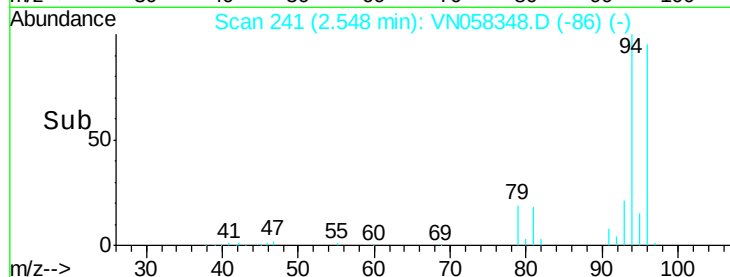
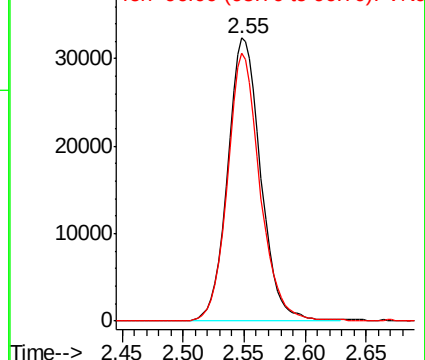
94 100

96 94.9 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.236 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058348.D

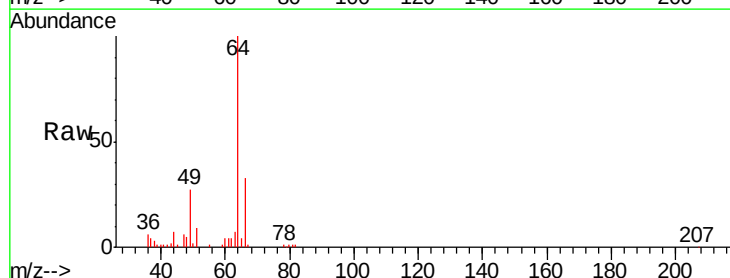
Acq: 24 Sep 2019 16:09

Tgt Ion: 64 Resp: 67401

Ion Ratio Lower Upper

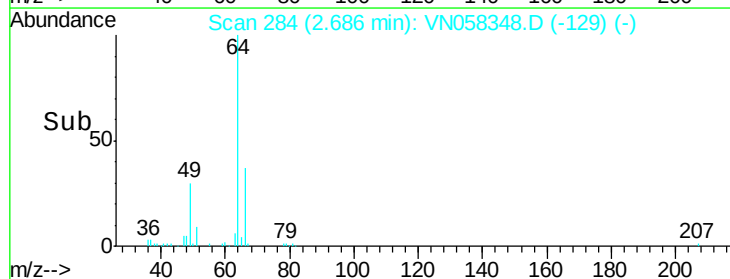
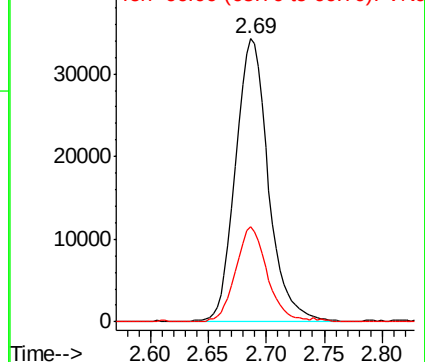
64 100

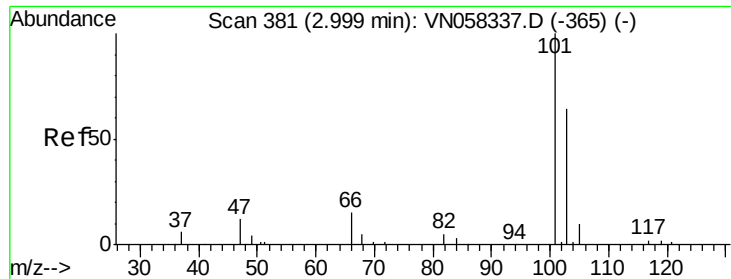
66 33.5 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



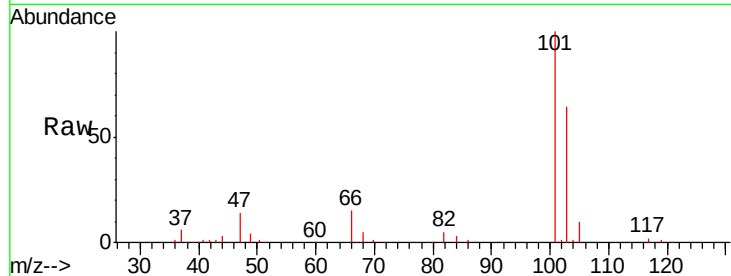


#7

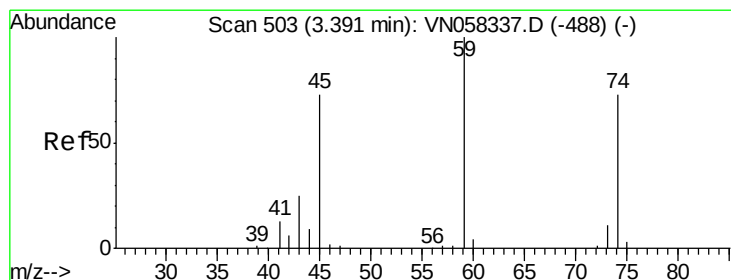
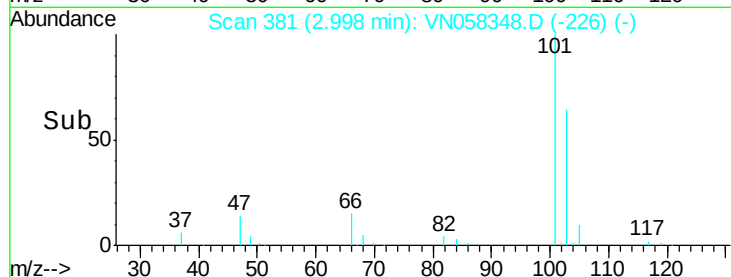
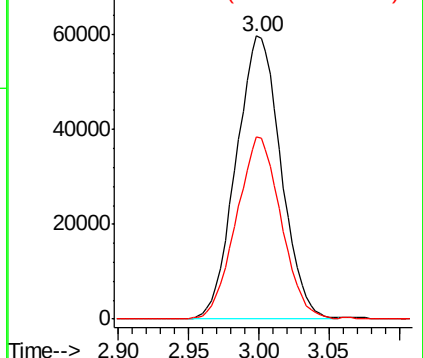
Trichlorofluoromethane
 Concen: 20.030 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
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Tgt Ion: 101 Resp: 132918
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.5 77.3



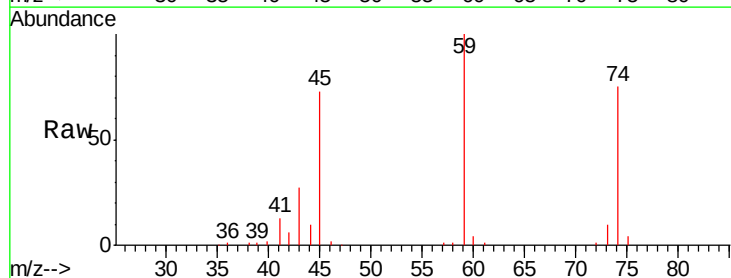
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



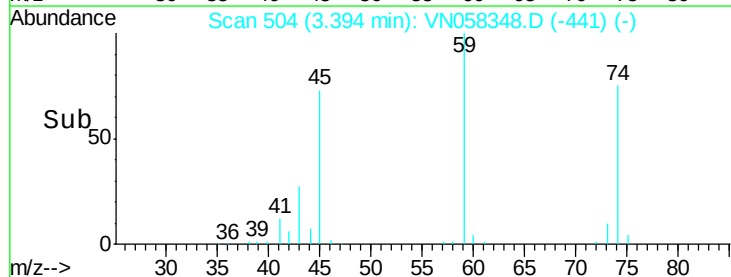
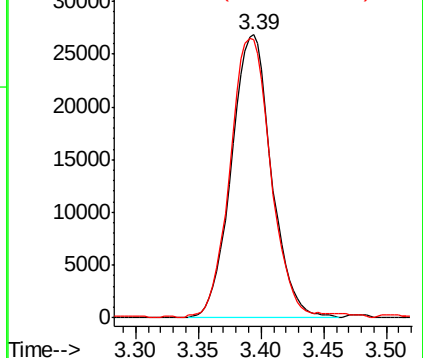
#8

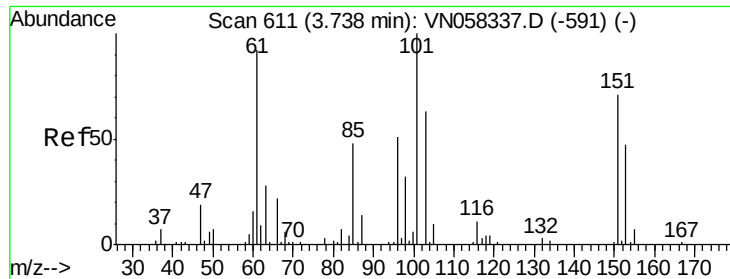
Diethyl Ether
 Concen: 20.203 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 74 Resp: 59599
 Ion Ratio Lower Upper
 74 100
 45 100.1 20.8 187.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.184 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

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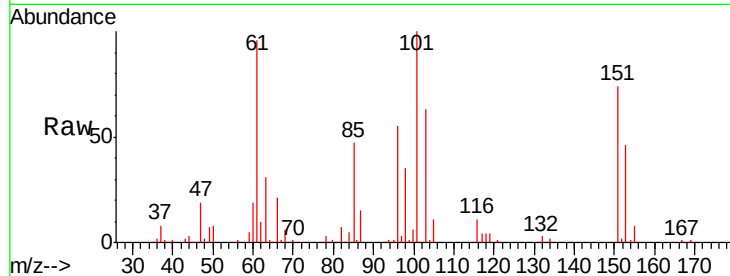
Tgt Ion:101 Resp: 92200

Ion Ratio Lower Upper

101 100

85 45.7 0.0 93.0

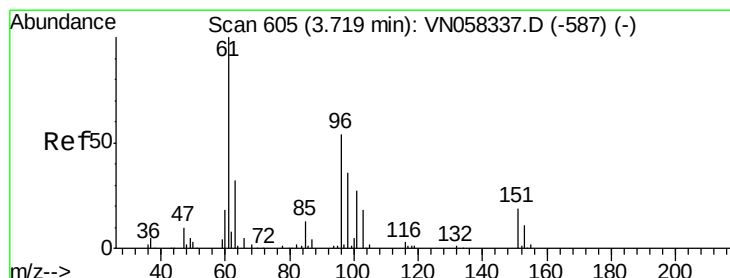
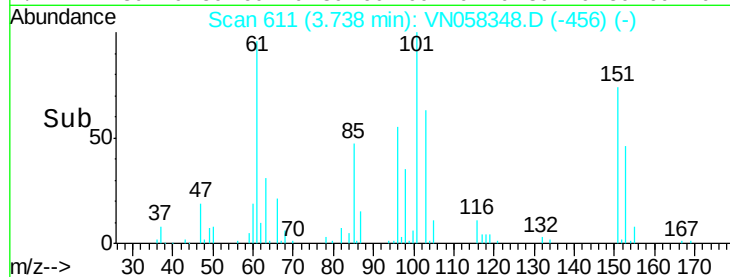
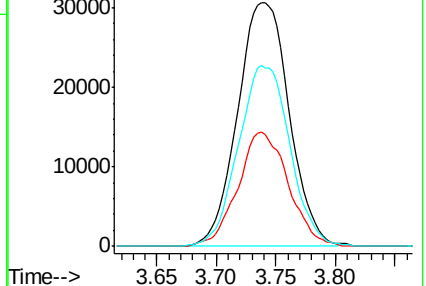
151 74.0 0.0 147.2



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: 19.683 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

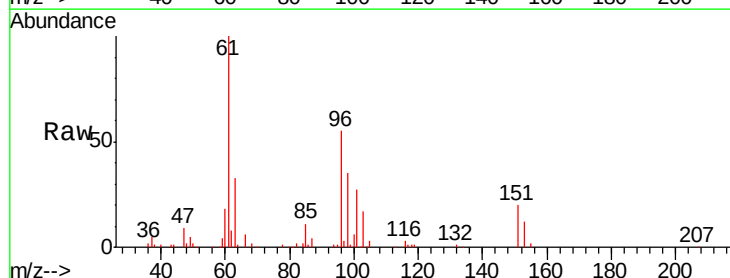
Tgt Ion: 96 Resp: 87893

Ion Ratio Lower Upper

96 100

61 182.4 146.9 220.3

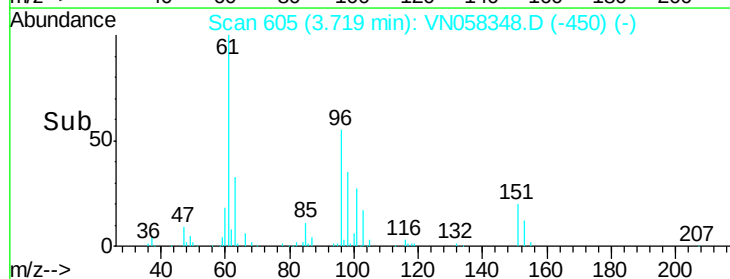
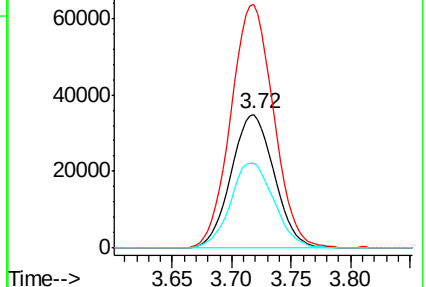
98 63.8 52.3 78.5

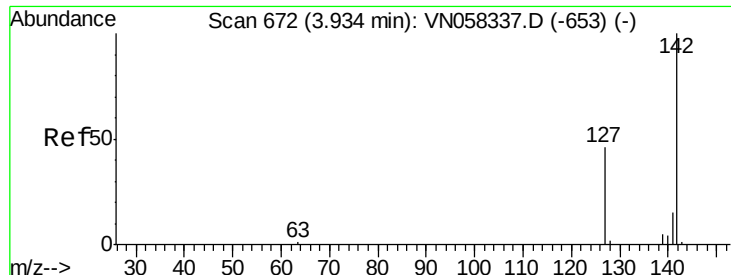


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

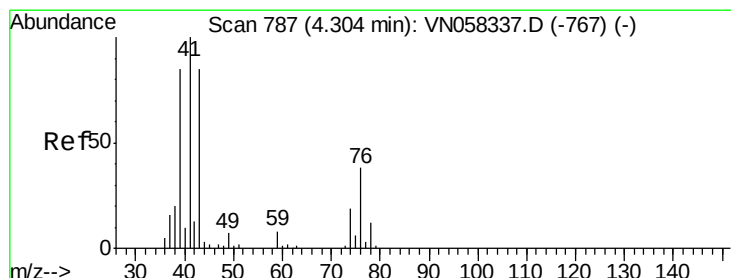
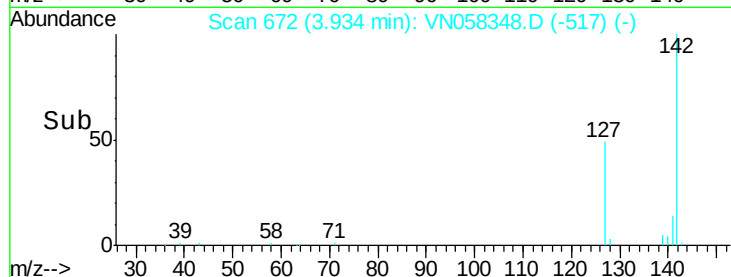
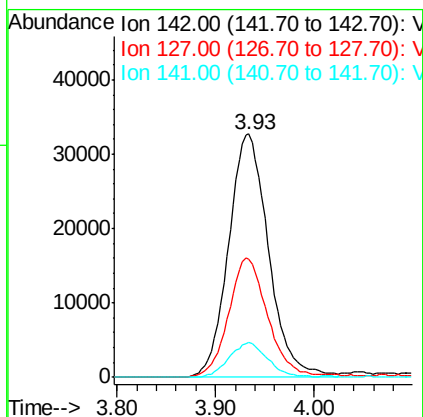
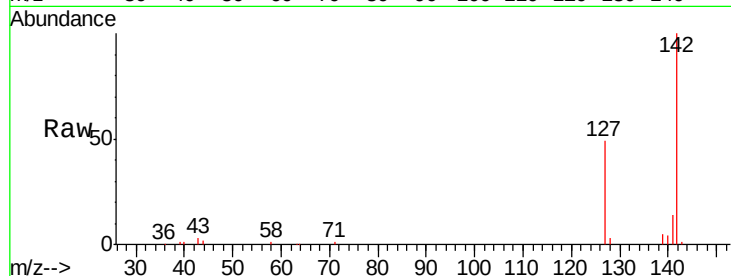




#11
Methyl Iodide
Concen: 20.170 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

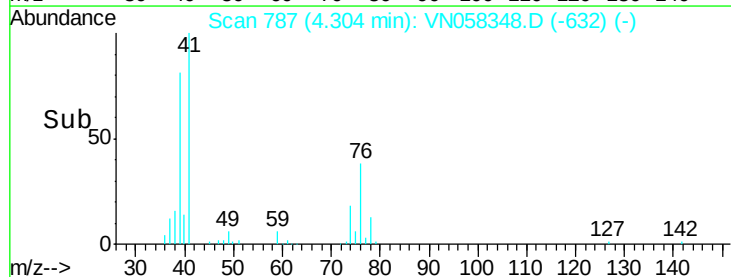
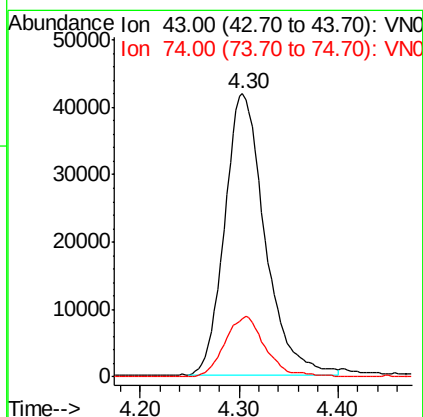
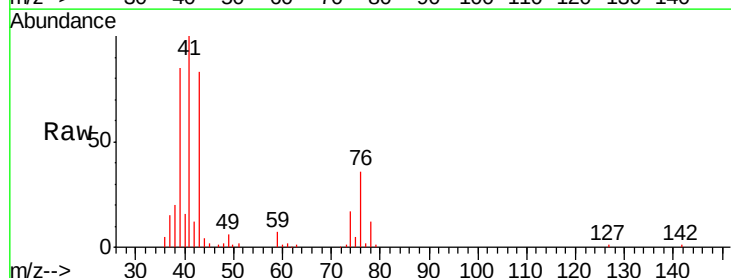
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

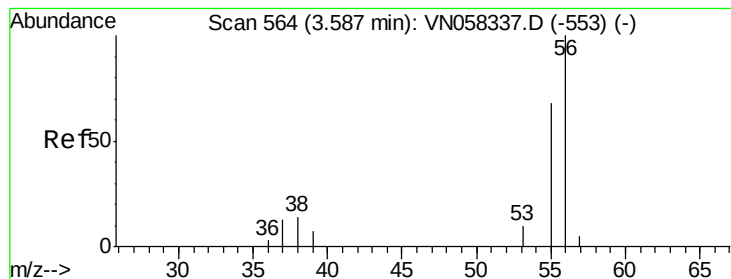
Tgt Ion: 142 Resp: 92348
Ion Ratio Lower Upper
142 100
127 48.6 22.9 68.7
141 14.4 7.4 22.3



#12
Methyl Acetate
Concen: 19.862 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 43 Resp: 118129
Ion Ratio Lower Upper
43 100
74 20.8 17.8 26.6





#13

Acrolein

Concen: 97.877 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

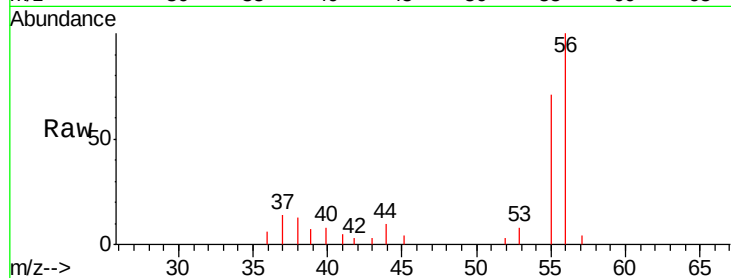
VSTDCCC020EC

Tgt Ion: 56 Resp: 16553

Ion Ratio Lower Upper

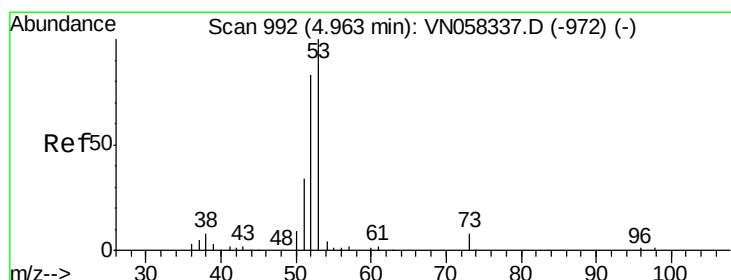
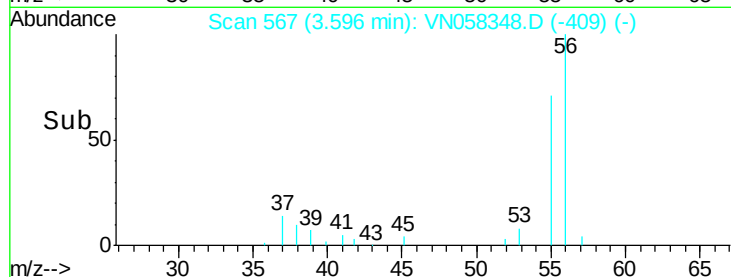
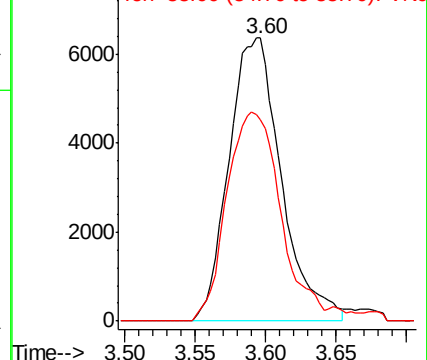
56 100

55 75.4 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.611 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

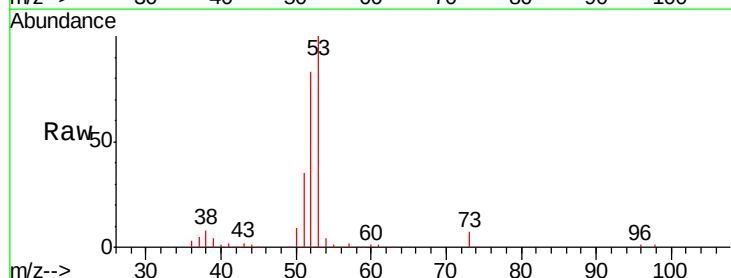
Tgt Ion: 53 Resp: 244618

Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

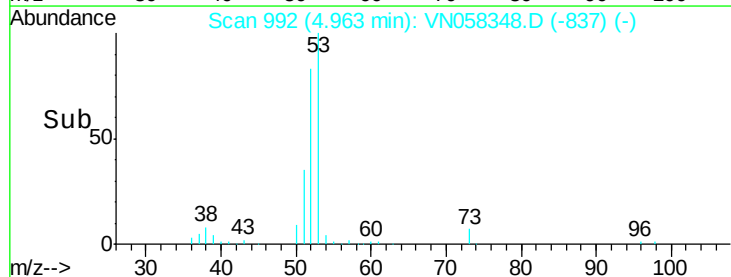
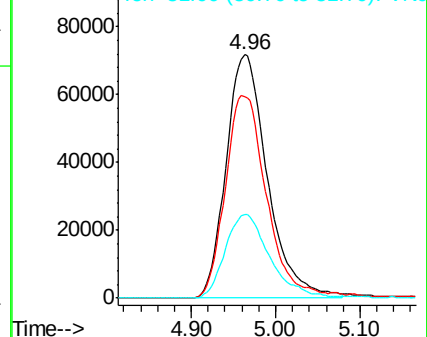
51 37.1 18.3 54.8

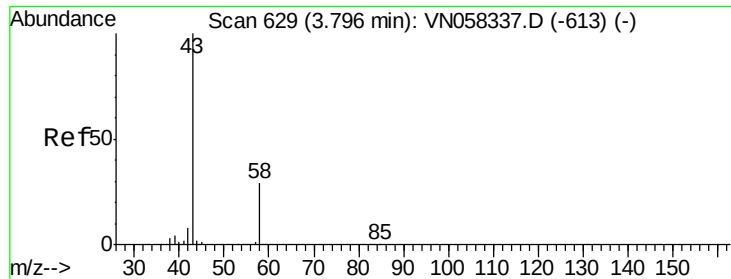


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 104.424 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

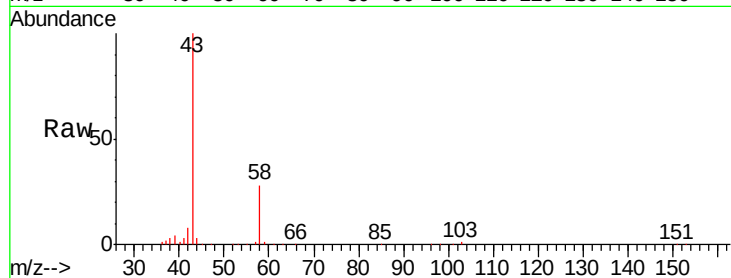
VSTDCCC020EC

Tgt Ion: 58 Resp: 71104

Ion Ratio Lower Upper

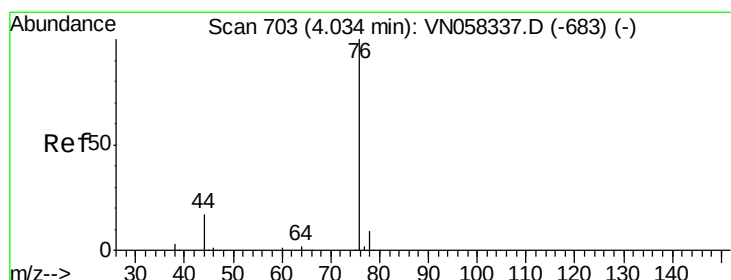
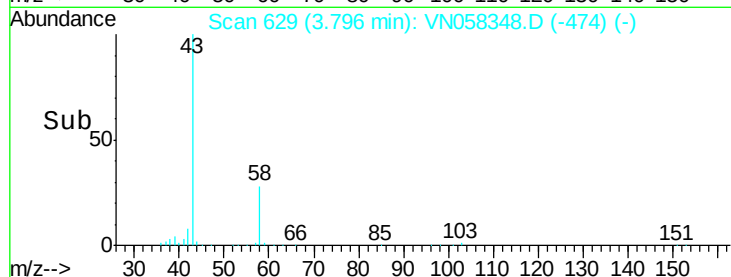
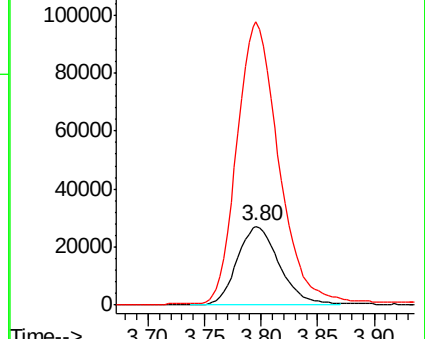
58 100

43 356.6 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.135 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058348.D

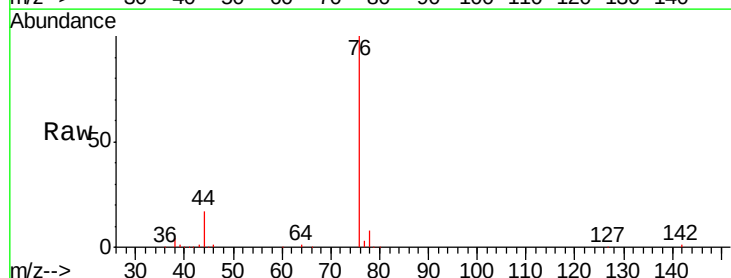
Acq: 24 Sep 2019 16:09

Tgt Ion: 76 Resp: 237464

Ion Ratio Lower Upper

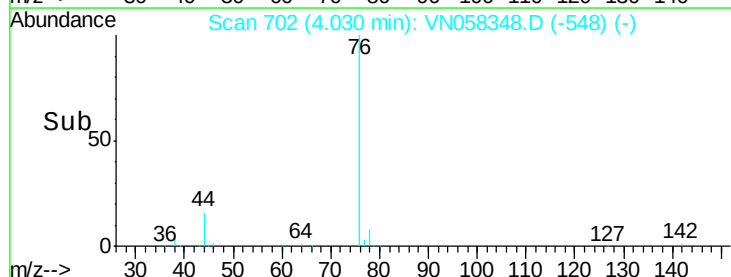
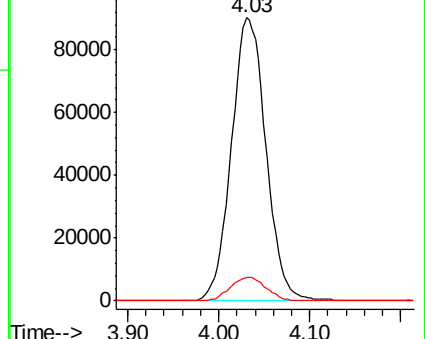
76 100

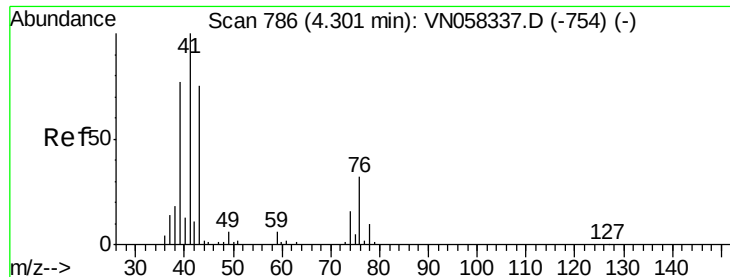
78 8.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 19.351 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

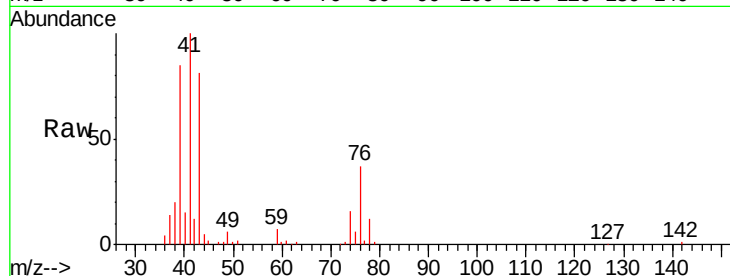
Tgt Ion: 41 Resp: 161407

Ion Ratio Lower Upper

41 100

39 85.2 38.7 116.1

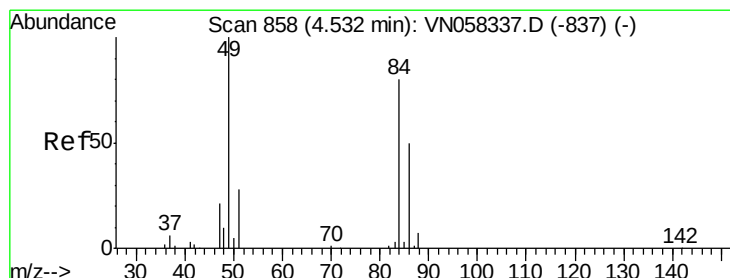
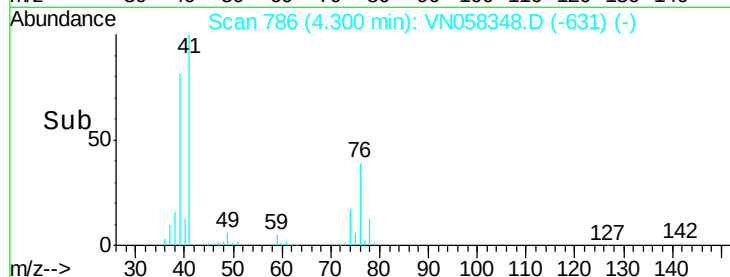
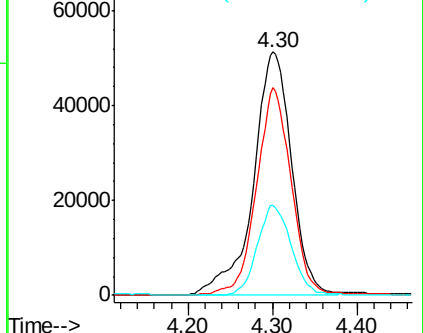
76 37.1 16.4 49.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.346 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion: 84 Resp: 107176

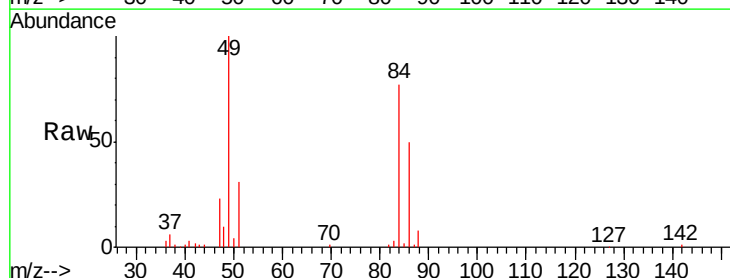
Ion Ratio Lower Upper

84 100

49 129.4 99.8 149.6

51 40.1 28.3 42.5

86 64.9 49.8 74.6

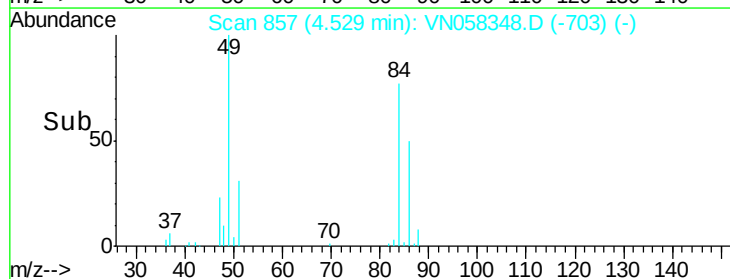
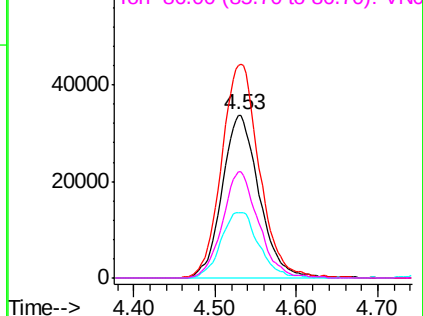


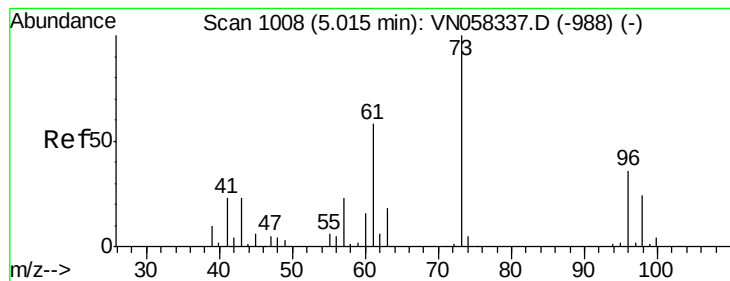
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 19.391 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

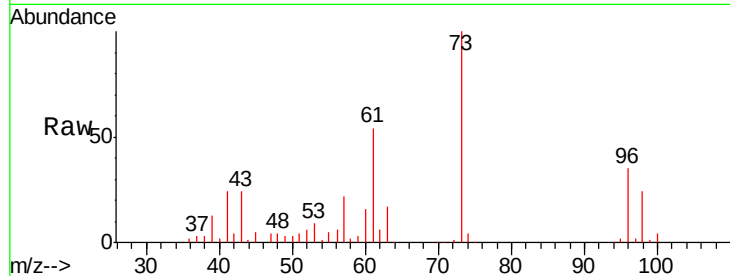
Tgt Ion: 96 Resp: 97077

Ion Ratio Lower Upper

96 100

61 152.9 128.0 192.0

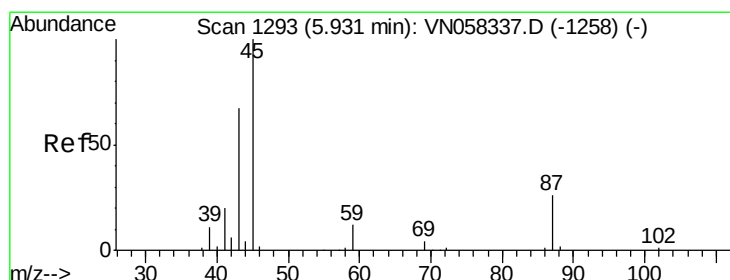
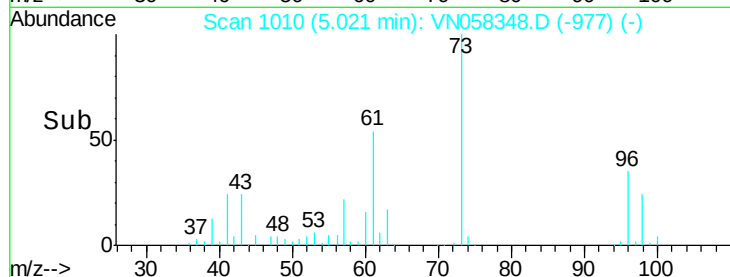
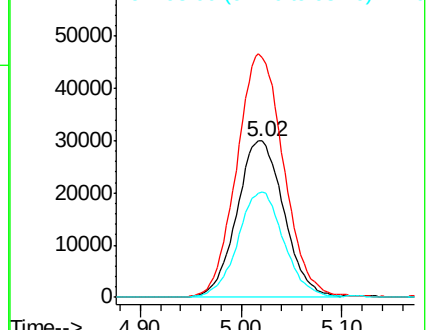
98 67.8 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.847 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion: 45 Resp: 352736

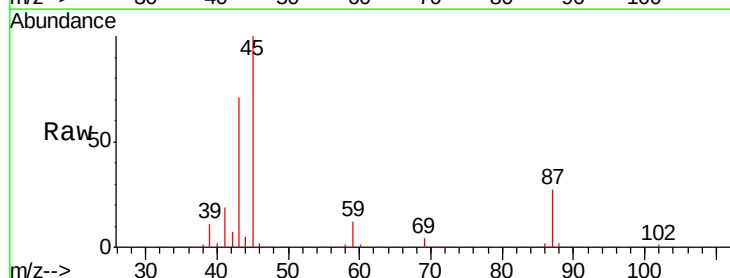
Ion Ratio Lower Upper

45 100

43 69.2 54.1 81.1

87 26.4 21.4 32.2

59 11.4 9.3 13.9

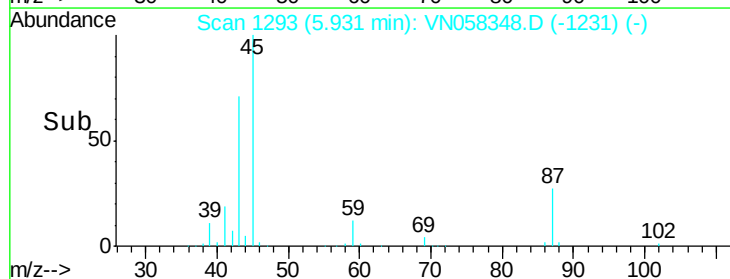
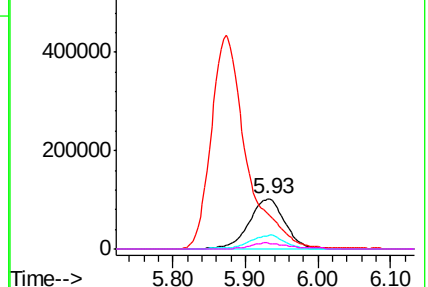


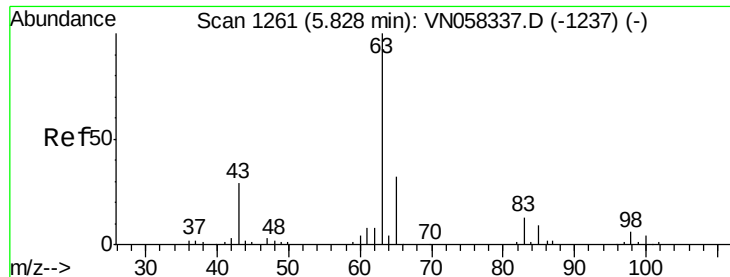
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

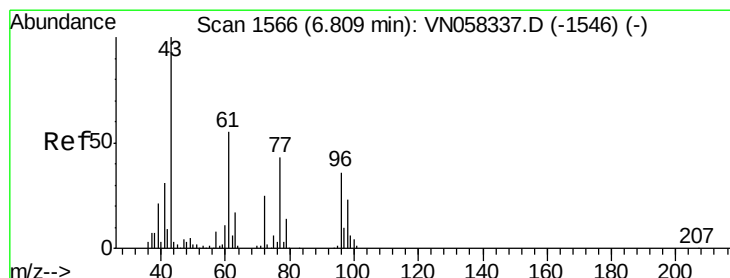
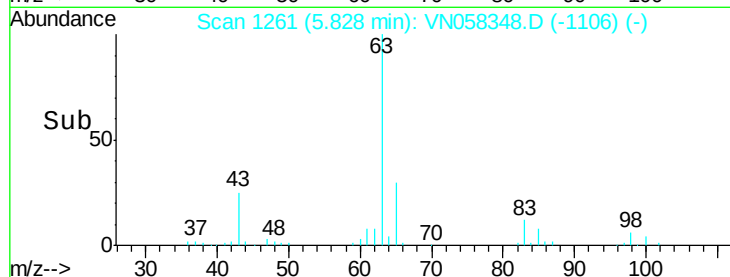
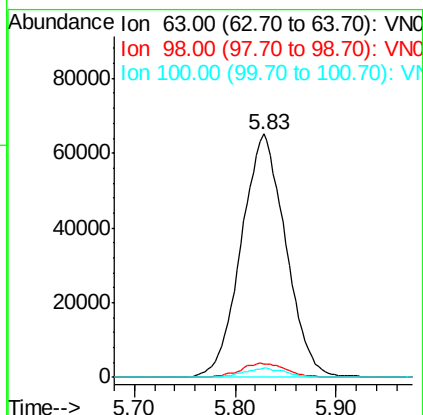
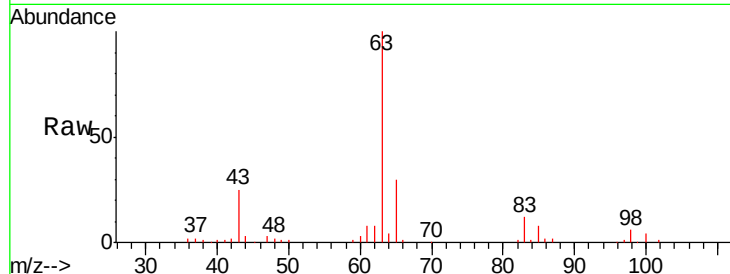




#21
 1,1-Dichloroethane
 Concen: 20.029 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

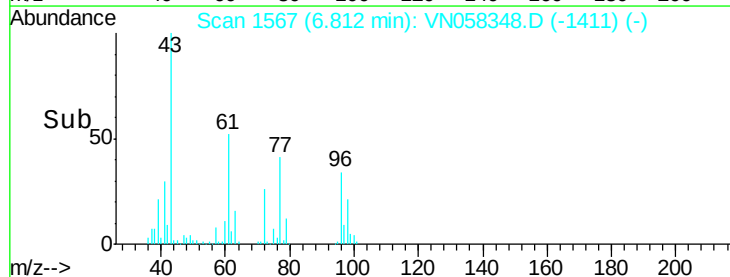
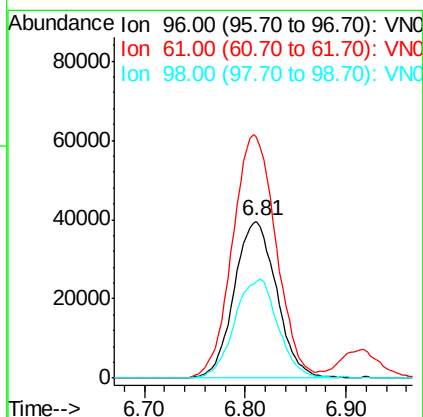
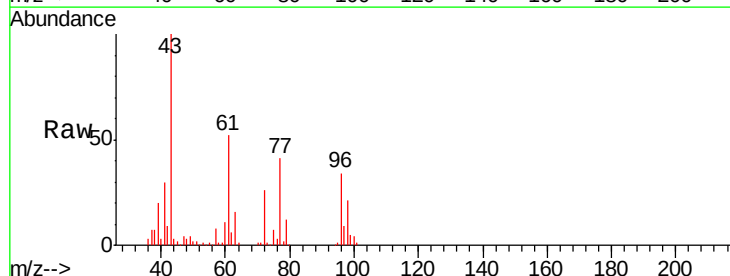
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

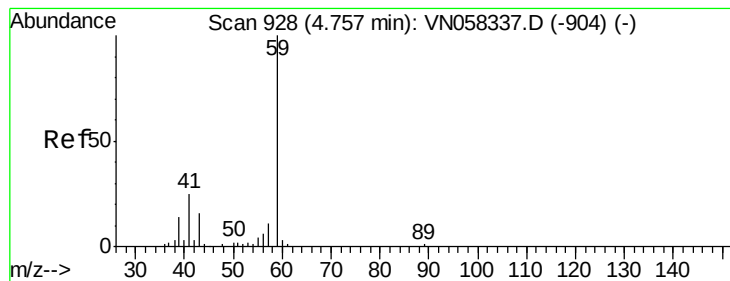
Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.0	9.2
100	3.6	2.1	6.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.780 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	128.2	192.2
98	64.7	50.6	76.0





#23

tert-Butyl Alcohol

Concen: 96.939 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

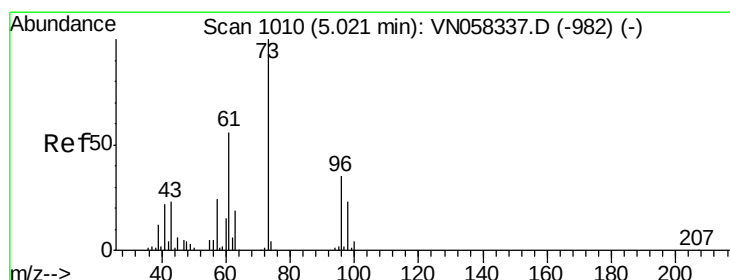
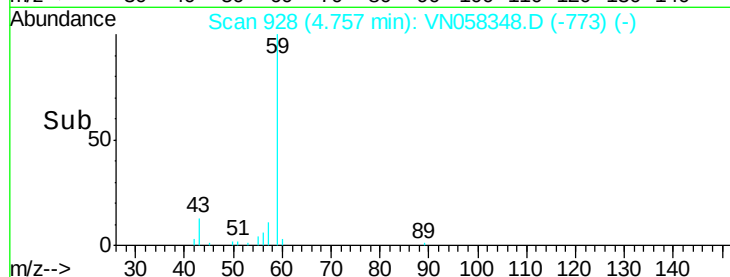
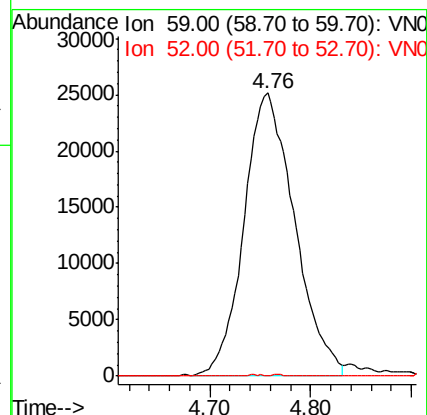
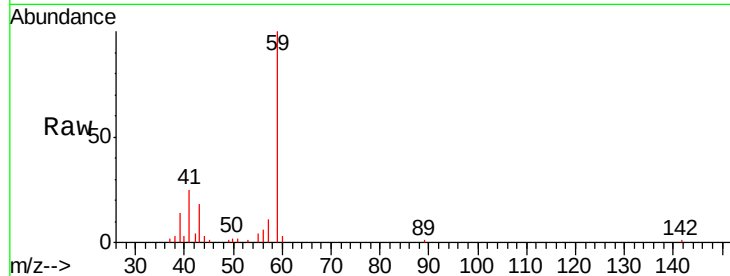
VSTDCCC020EC

Tgt Ion: 59 Resp: 87881

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 19.883 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058348.D

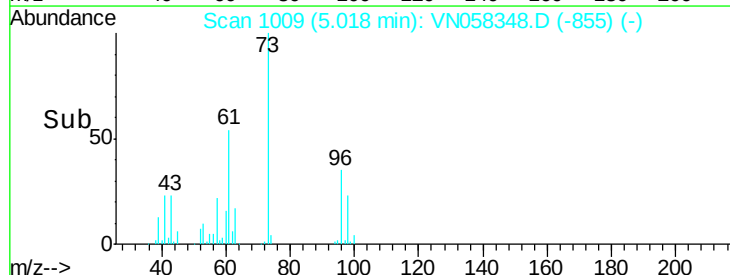
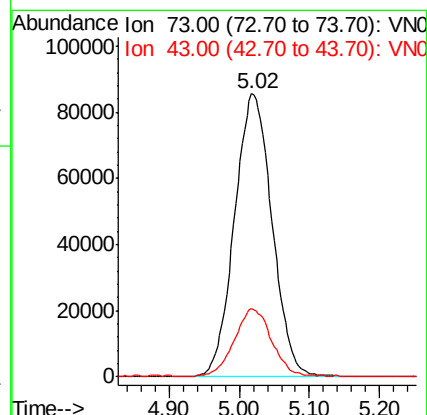
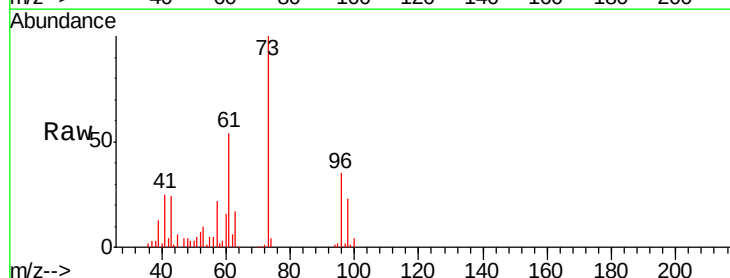
Acq: 24 Sep 2019 16:09

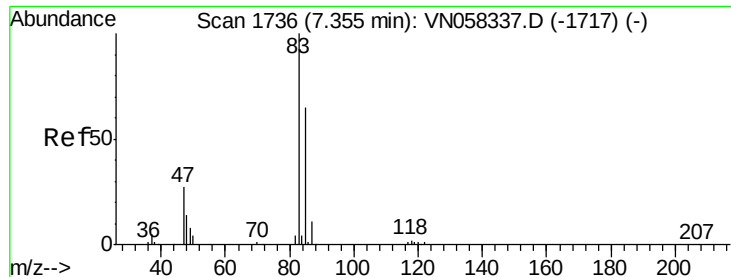
Tgt Ion: 73 Resp: 318700

Ion Ratio Lower Upper

73 100

43 23.1 18.4 27.6





#25

Chloroform

Concen: 19.656 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

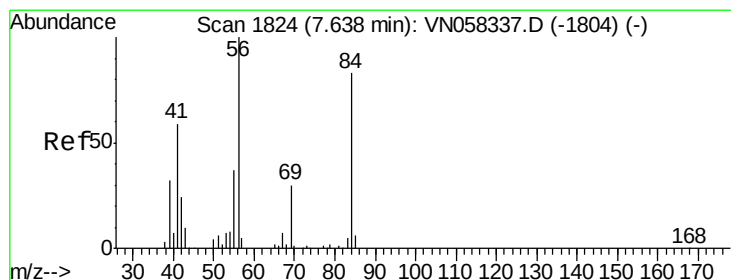
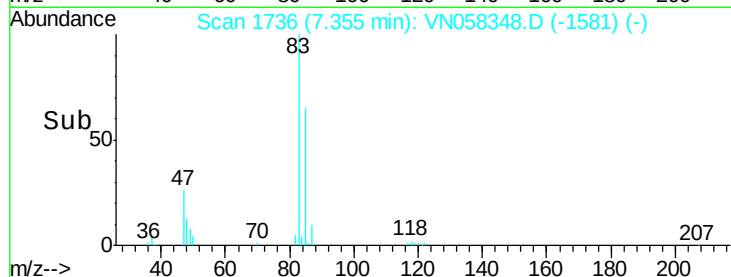
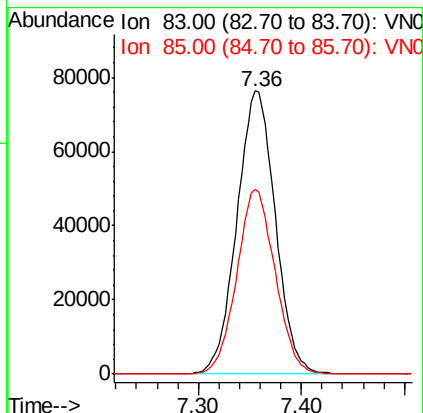
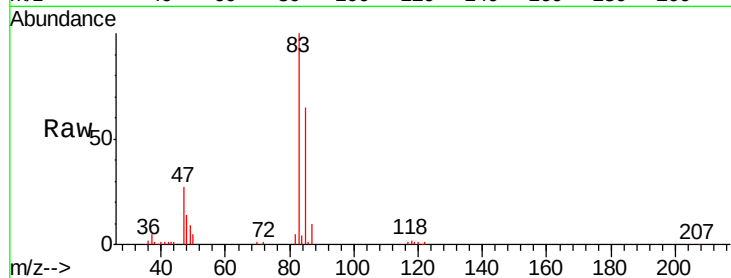
VSTDCCC020EC

Tgt Ion: 83 Resp: 197952

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.6



#26

Cyclohexane

Concen: 19.617 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

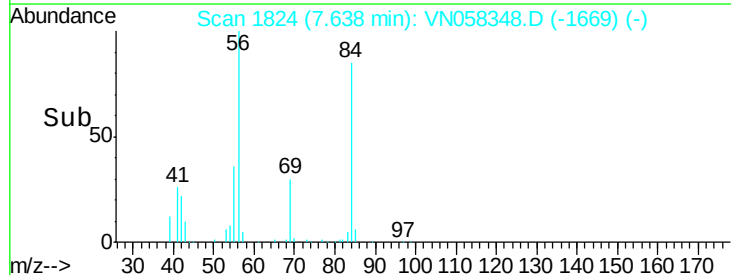
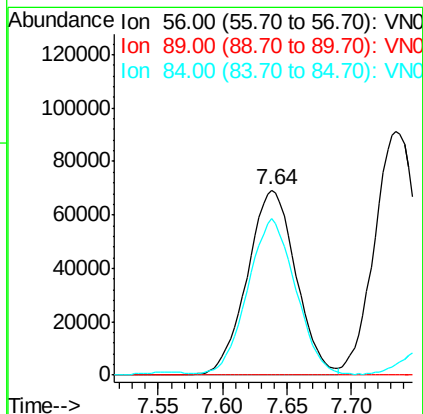
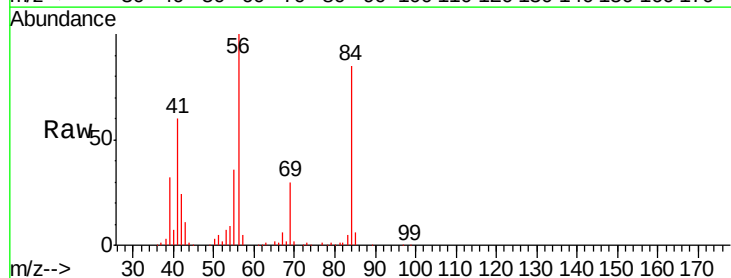
Tgt Ion: 56 Resp: 182352

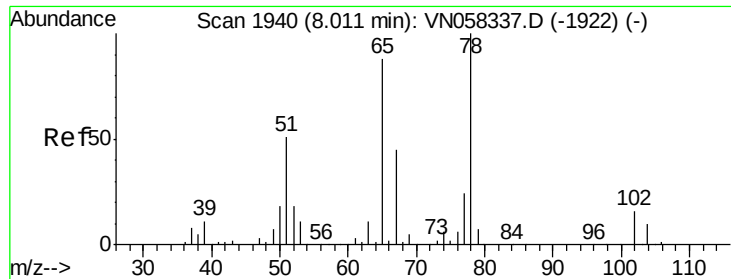
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 83.4 66.9 100.3

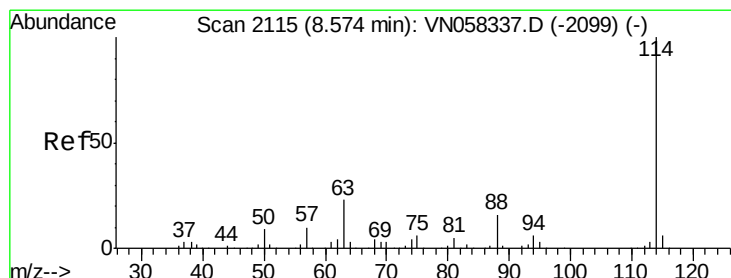
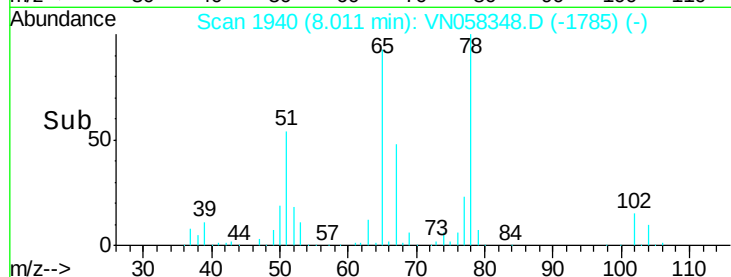
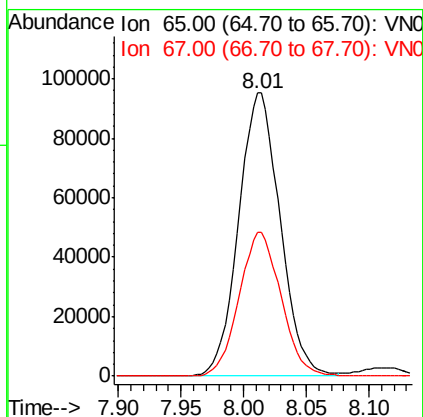
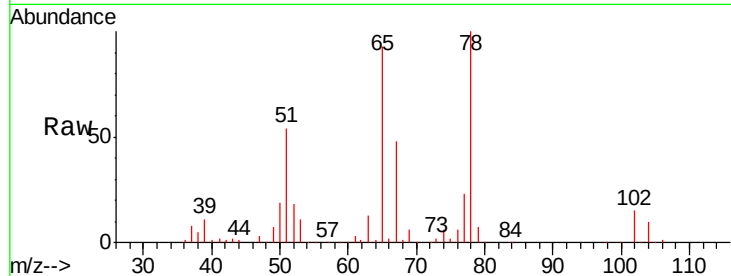




#27
 1,2-Dichloroethane-d4
 Concen: 30.544 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

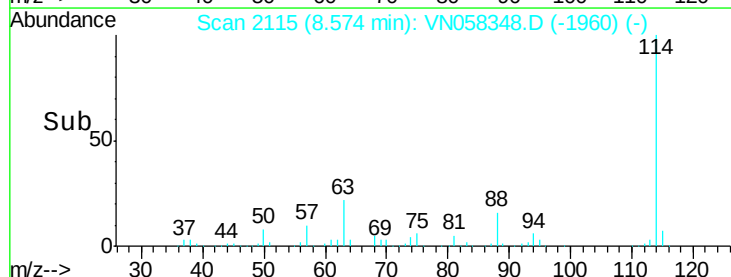
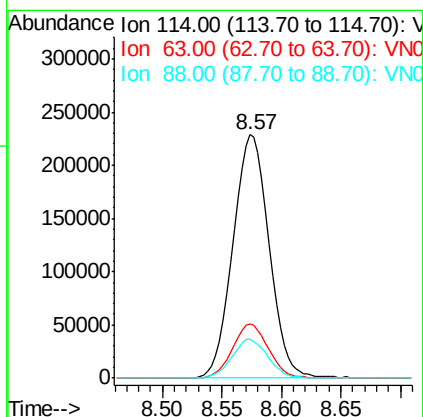
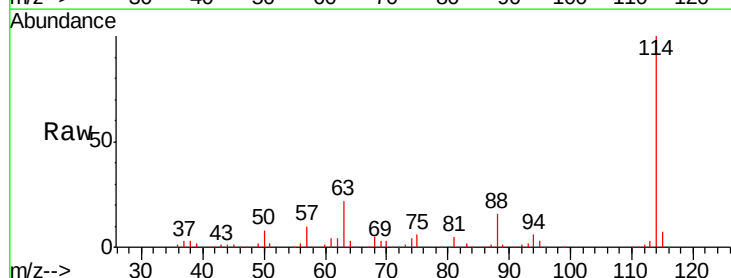
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

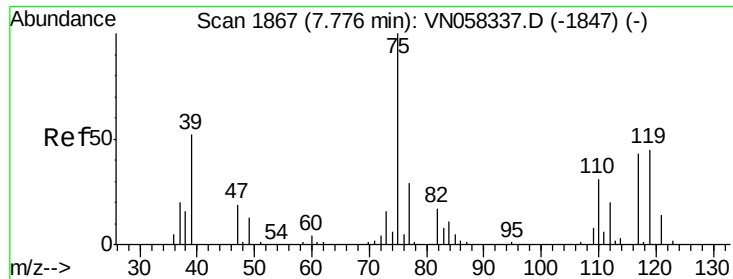
Tgt Ion: 65 Resp: 219632
 Ion Ratio Lower Upper
 65 100
 67 51.3 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 114 Resp: 481656
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.8 26.8
 88 15.8 12.7 19.1

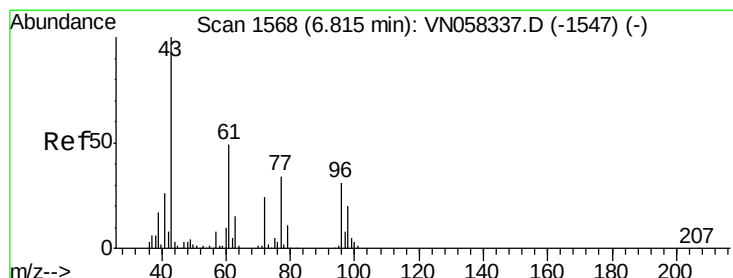
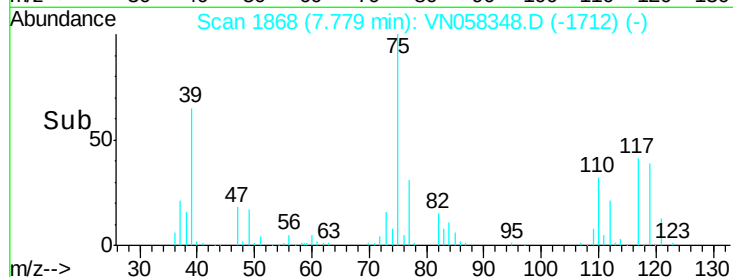
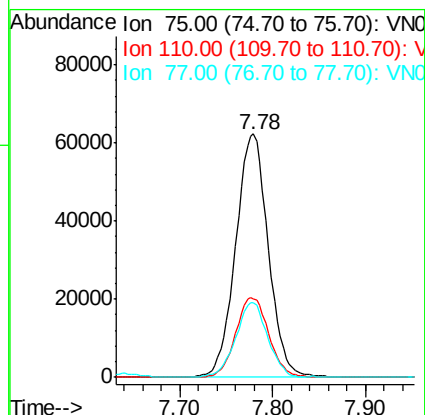
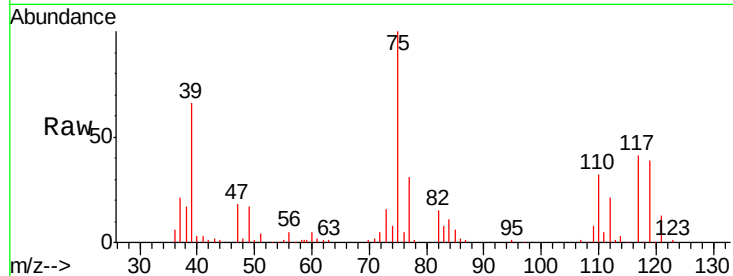




#29
 1,1-Dichloropropene
 Concen: 19.322 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

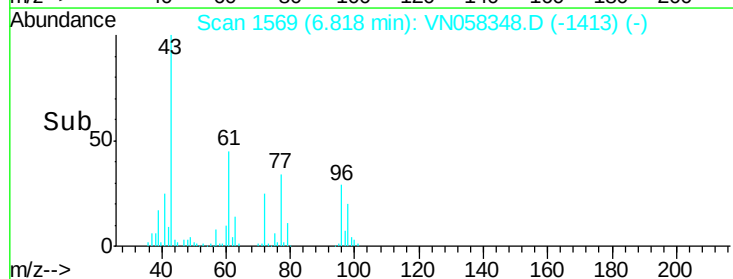
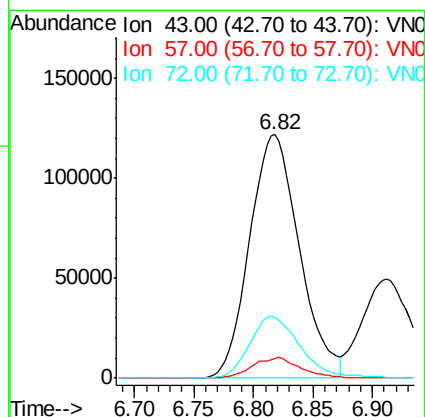
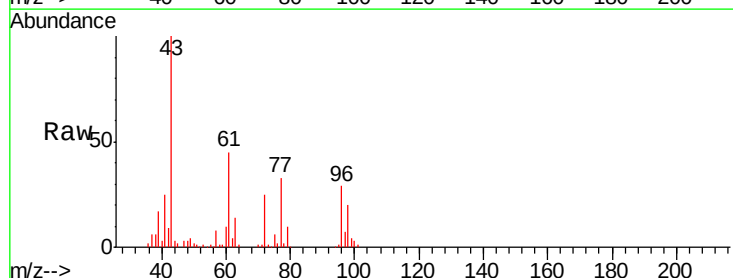
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

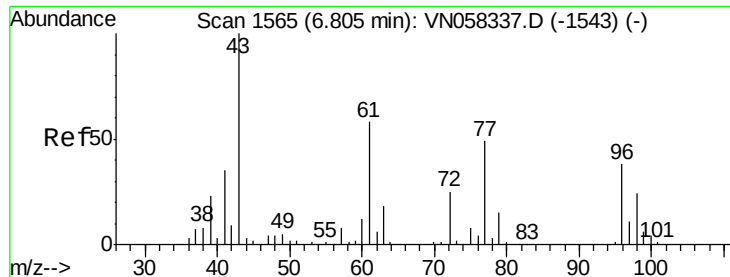
Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	63.6
77	30.3	0.0	59.4



#30
 2-Butanone
 Concen: 98.313 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.2	9.4
72	25.7	20.3	30.5

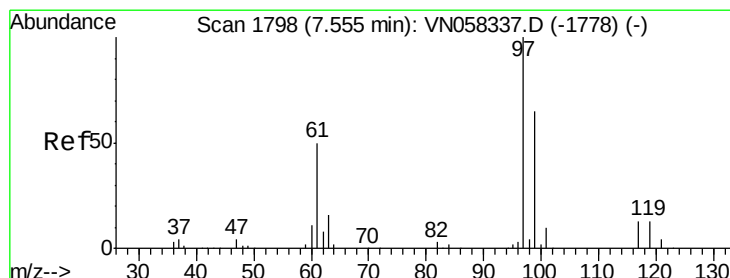
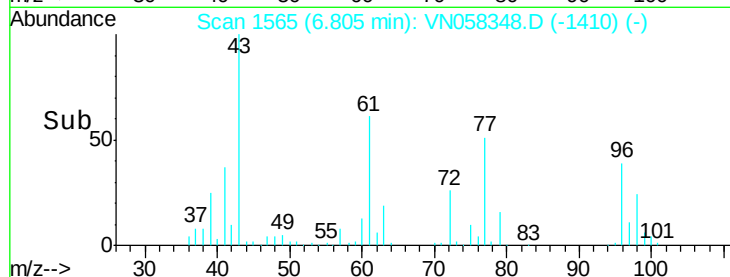
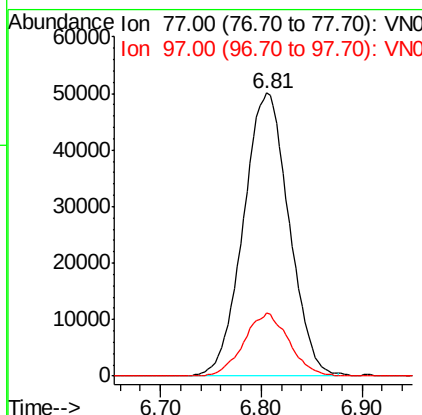
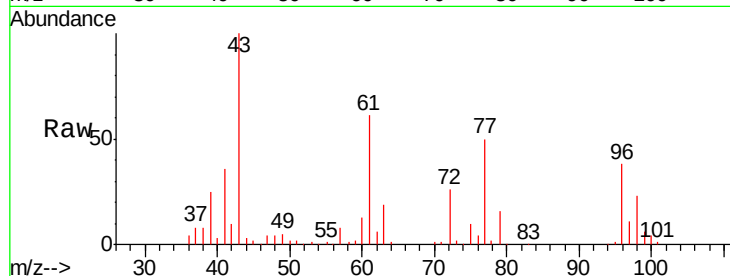




#31
 2,2-Dichloropropane
 Concen: 19.430 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

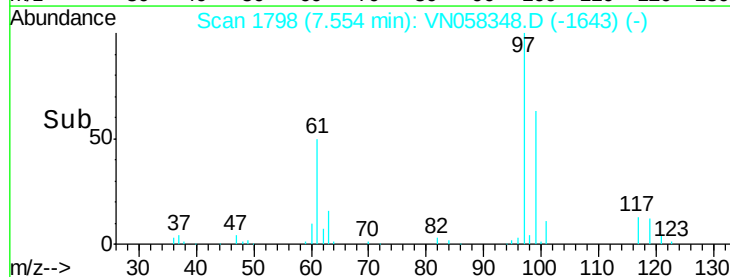
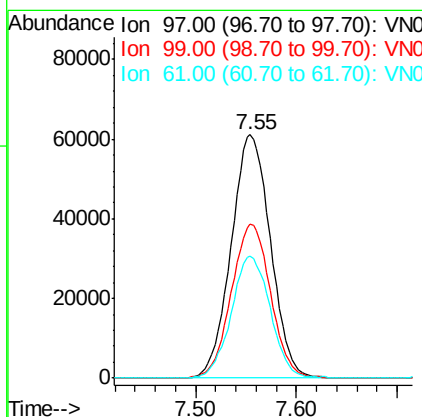
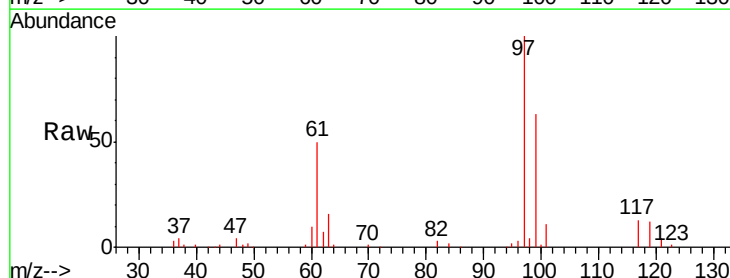
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

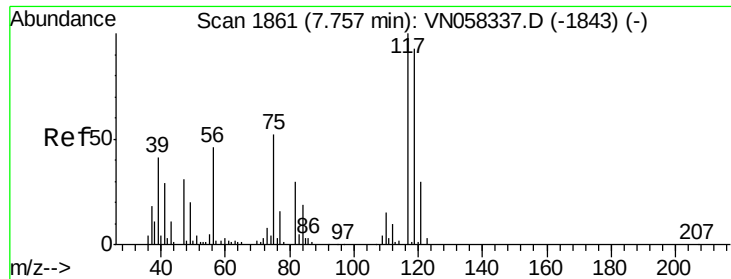
Tgt Ion: 77 Resp: 157268
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 19.510 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 97 Resp: 165443
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.8 77.6
 61 49.6 39.4 59.2

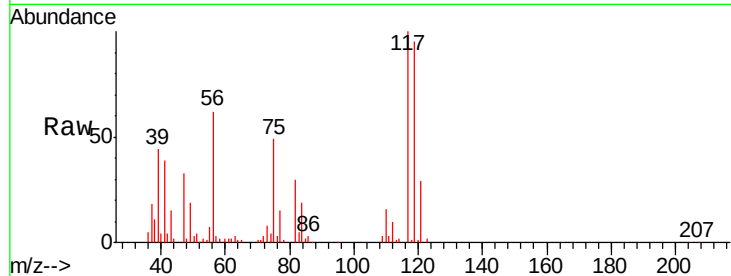




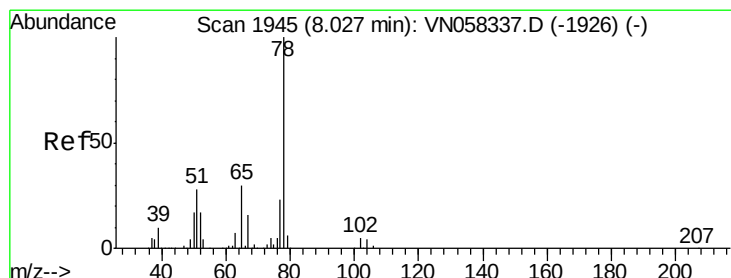
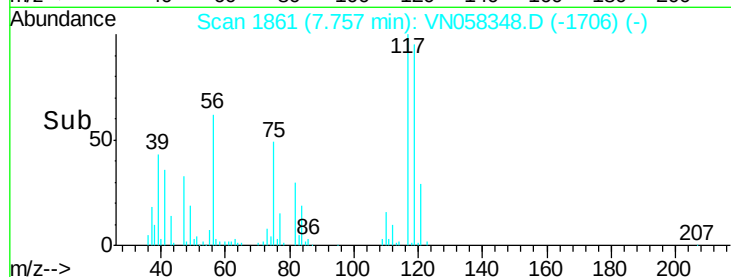
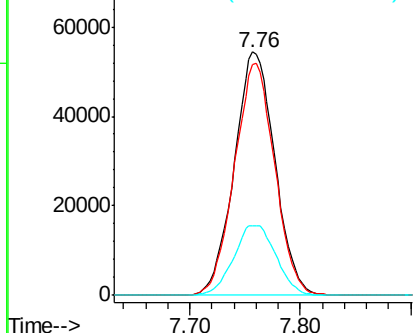
#33
Carbon Tetrachloride
Concen: 19.237 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 138595
Ion Ratio Lower Upper
117 100
119 94.7 74.2 111.4
121 28.5 23.9 35.9

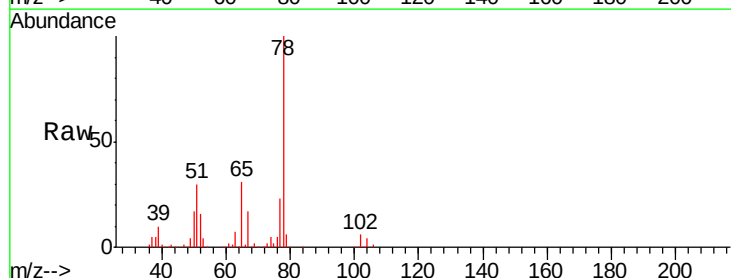


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

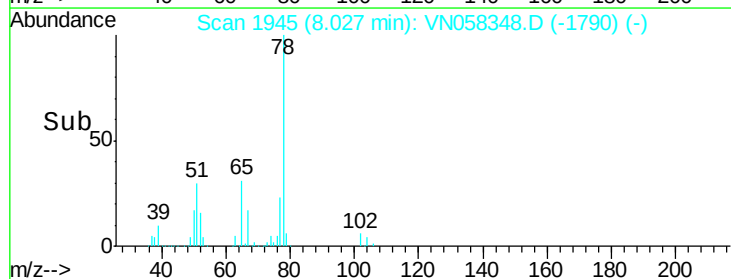
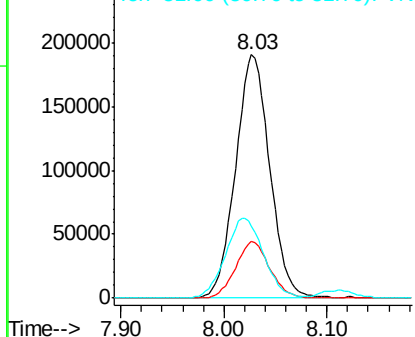


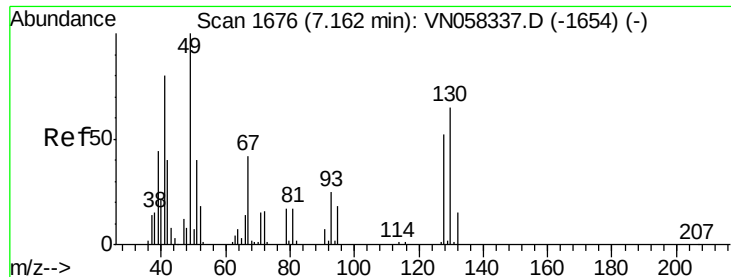
#34
Benzene
Concen: 19.744 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 78 Resp: 440351
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
51 29.3 22.4 33.6



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

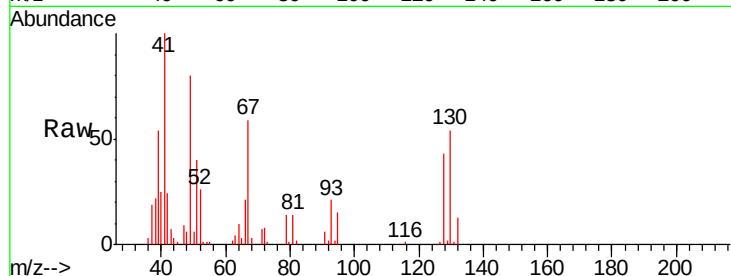




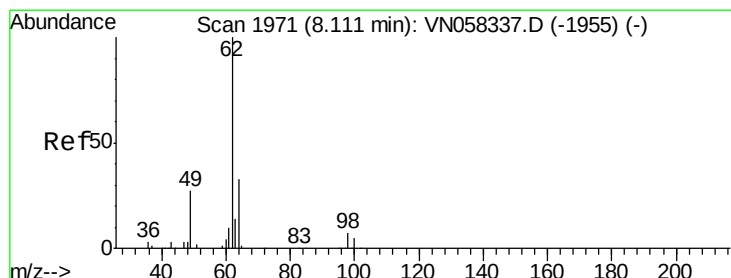
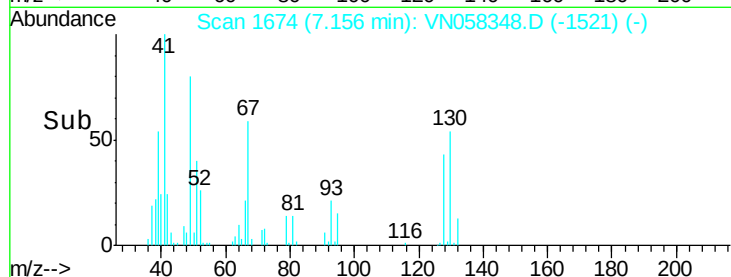
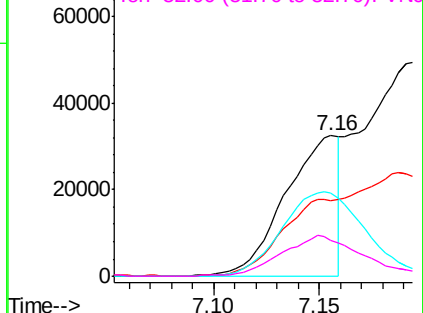
#35
Methacrylonitrile
Concen: 18.631 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	57208
Ion	Ratio	Lower	Upper
41	100		
39	54.3	27.3	81.9
67	59.2	26.3	78.9
52	26.1	11.0	33.0

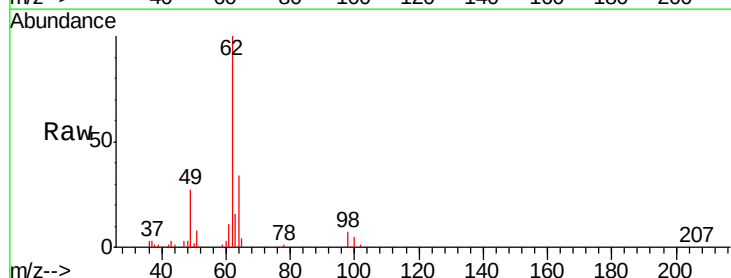


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

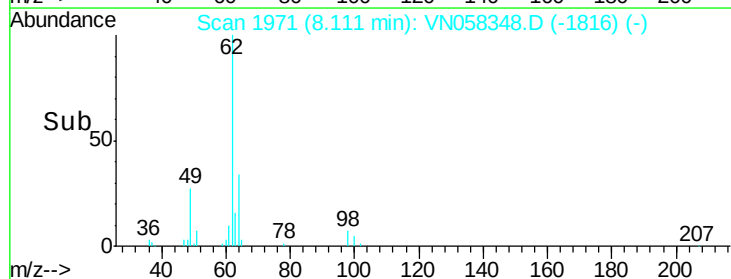
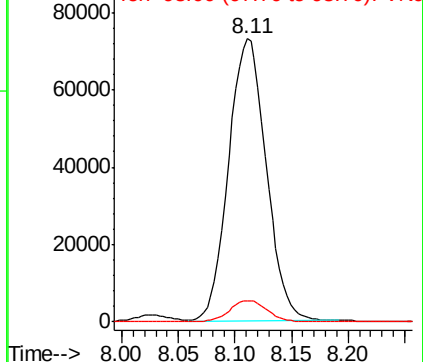


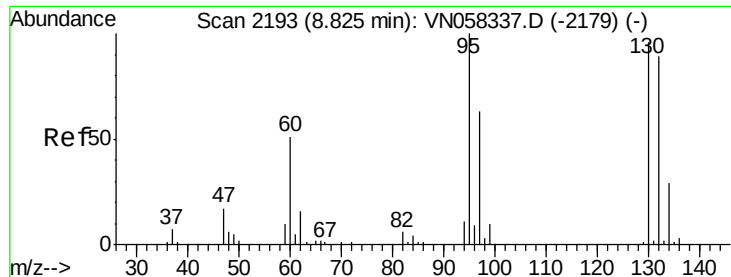
#36
1,2-Dichloroethane
Concen: 19.410 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:	62	Resp:	169583
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

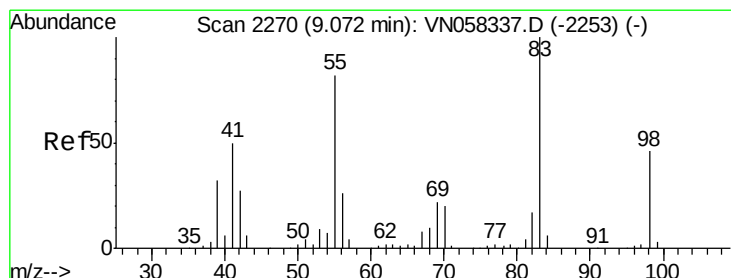
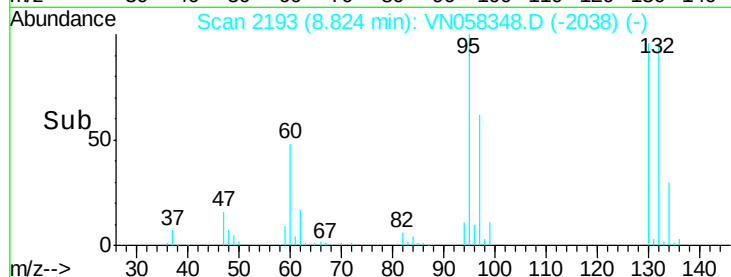
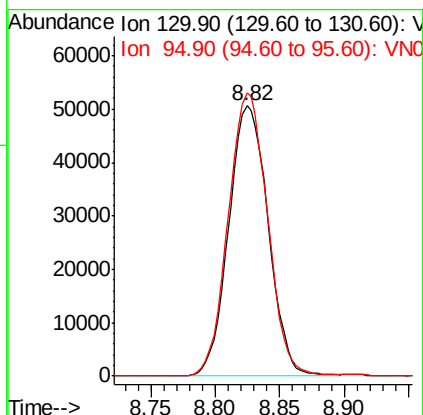
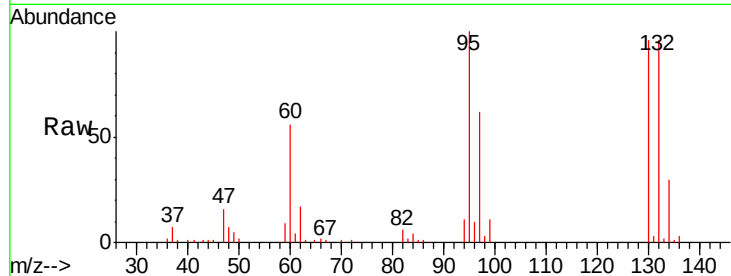




#37
 Trichloroethene
 Concen: 19.304 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

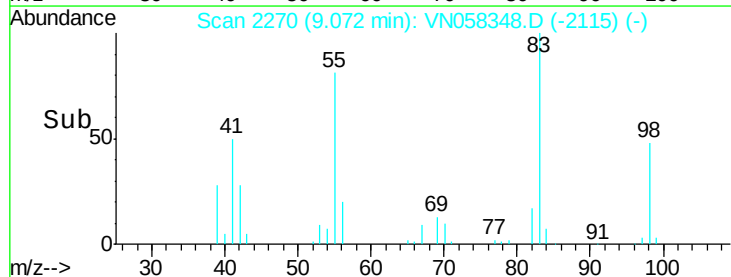
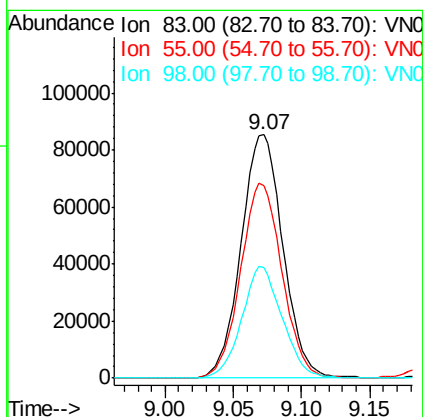
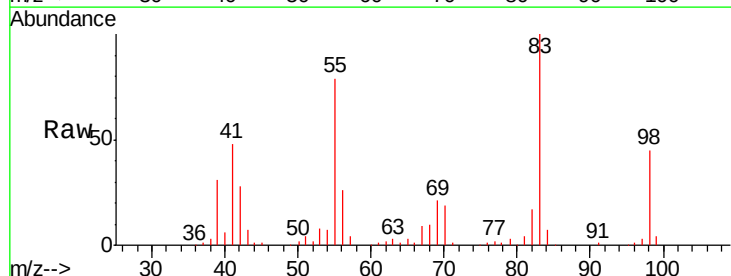
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

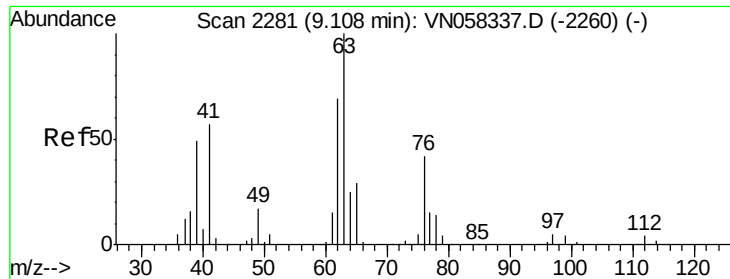
Tgt Ion:130 Resp: 107784
 Ion Ratio Lower Upper
 130 100
 95 104.7 83.3 124.9



#38
 Methylcyclohexane
 Concen: 19.160 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 83 Resp: 182156
 Ion Ratio Lower Upper
 83 100
 55 79.1 40.5 121.4
 98 44.3 23.1 69.2

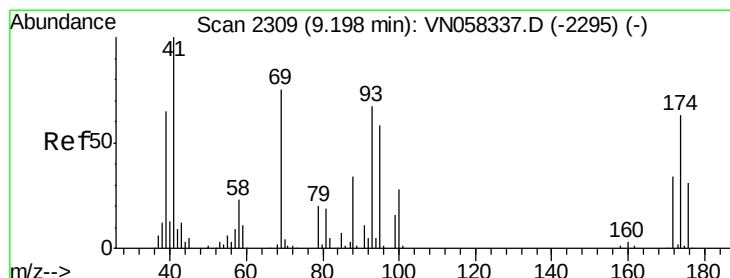
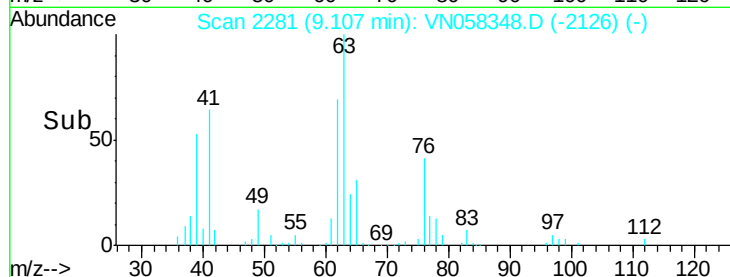
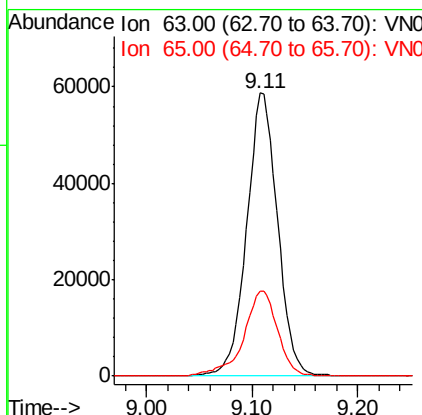
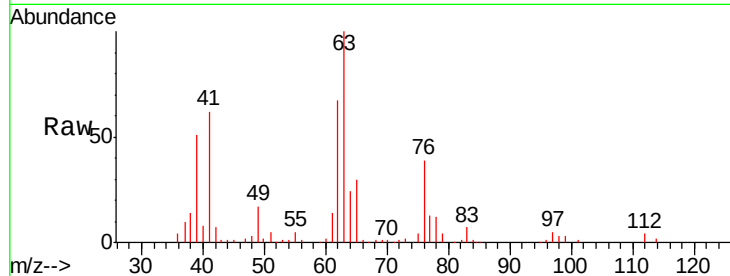




#39
 1,2-Dichloropropane
 Concen: 19.689 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

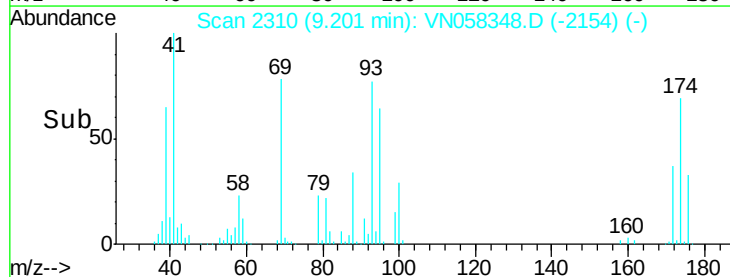
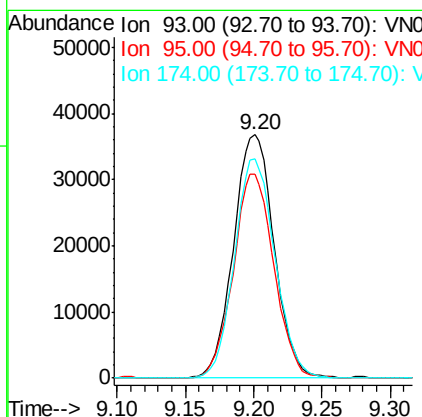
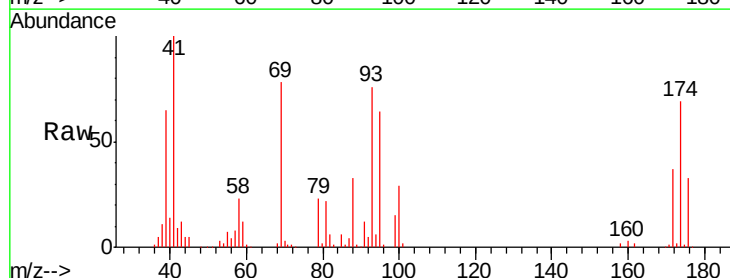
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

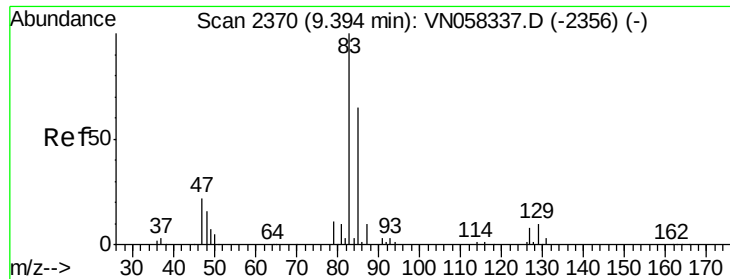
Tgt Ion: 63 Resp: 119781
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.4 35.0



#40
 Dibromomethane
 Concen: 19.846 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 93 Resp: 76200
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 166.8
 174 89.8 0.0 187.2





#41

Bromodichloromethane

Concen: 19.023 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

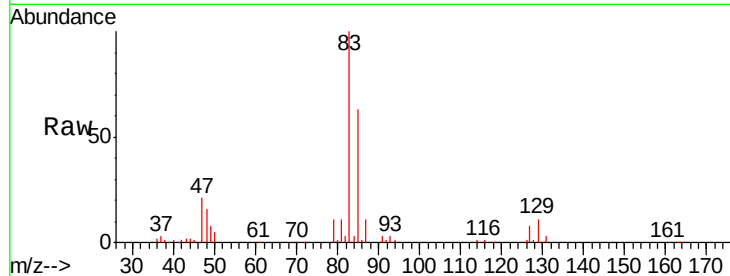
Tgt Ion: 83 Resp: 144368

Ion Ratio Lower Upper

83 100

85 63.3 52.0 78.0

127 7.9 6.1 9.1

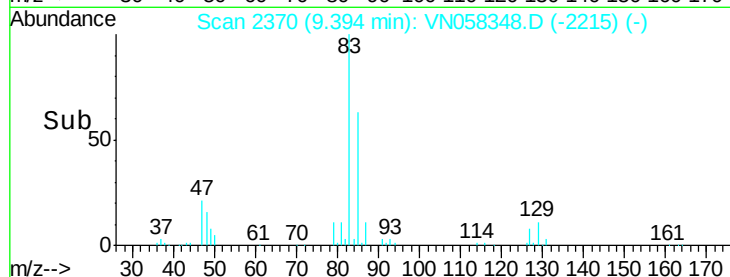


Abundance Ion 83.00 (82.70 to 83.70): VN058337.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN058337.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN058337.D (-2356) (-)

Time-->

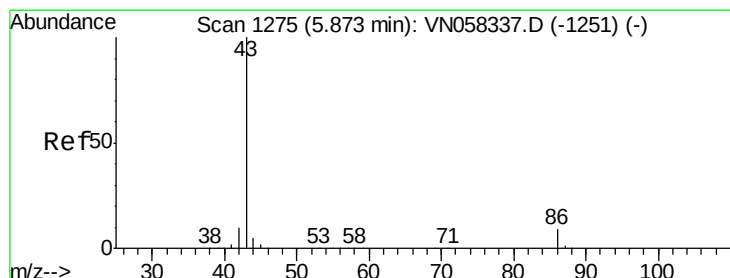


Abundance Ion 83.00 (82.70 to 83.70): VN058348.D (-2215) (-)

Ion 85.00 (84.70 to 85.70): VN058348.D (-2215) (-)

Ion 127.00 (126.70 to 127.70): VN058348.D (-2215) (-)

Time-->



#42

Vinyl Acetate

Concen: 106.803 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058348.D

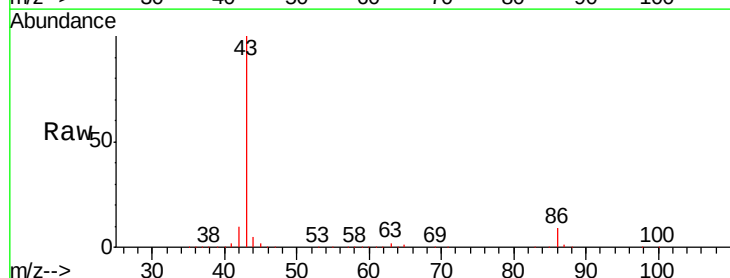
Acq: 24 Sep 2019 16:09

Tgt Ion: 43 Resp: 1455781

Ion Ratio Lower Upper

43 100

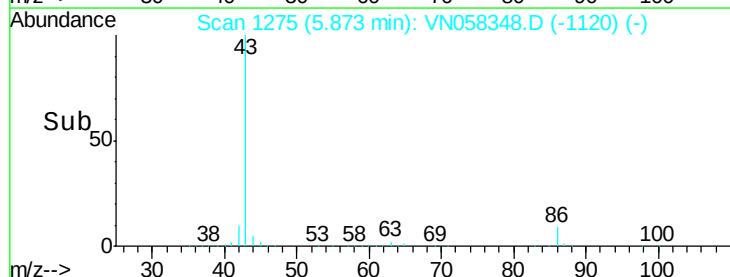
86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN058337.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058337.D (-1251) (-)

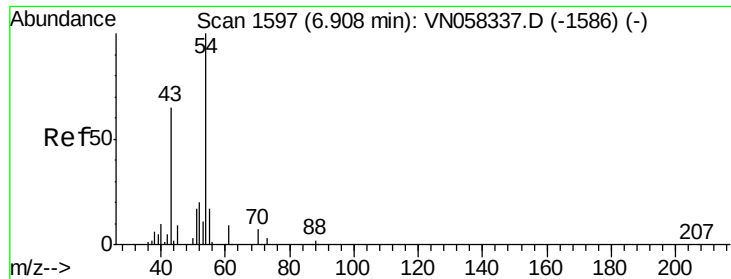
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN058348.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN058348.D (-1120) (-)

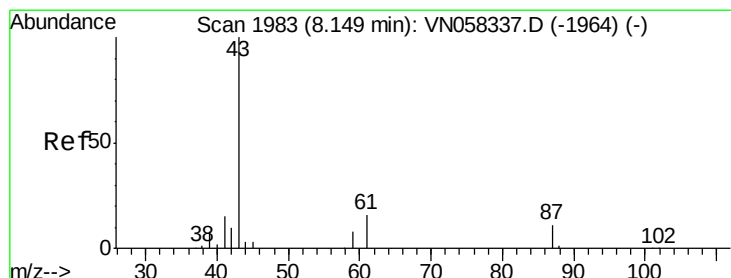
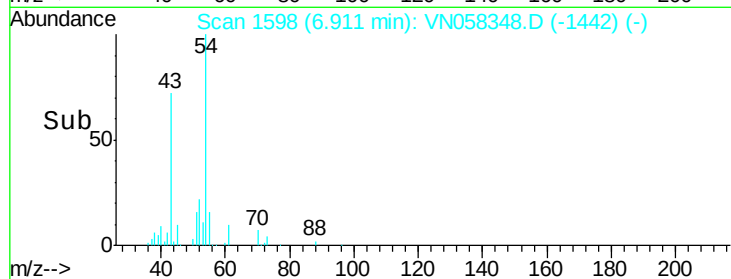
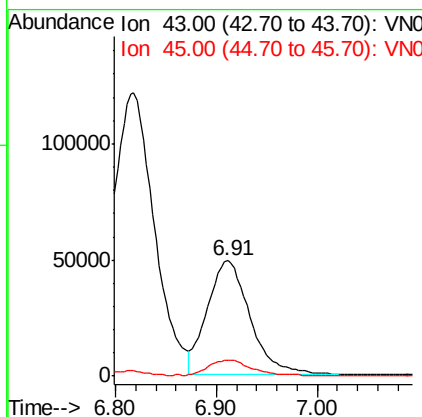
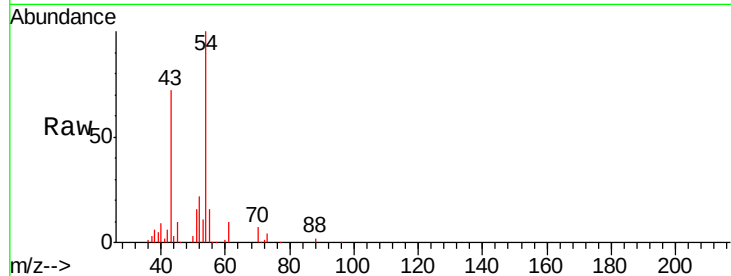
Time-->



#43
Ethyl Acetate
Concen: 20.305 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

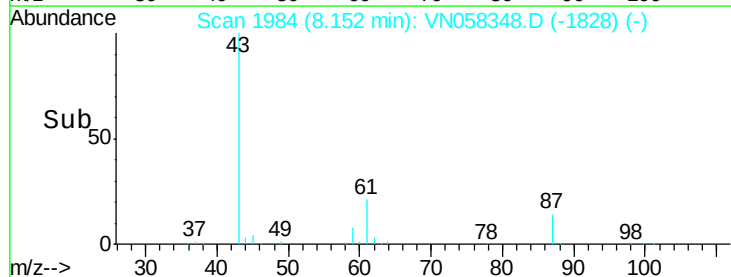
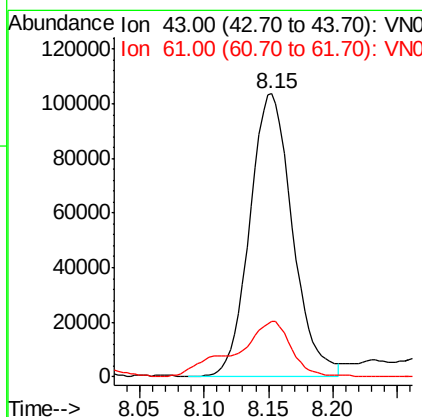
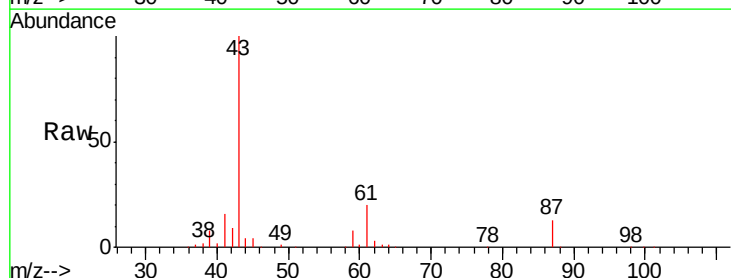
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

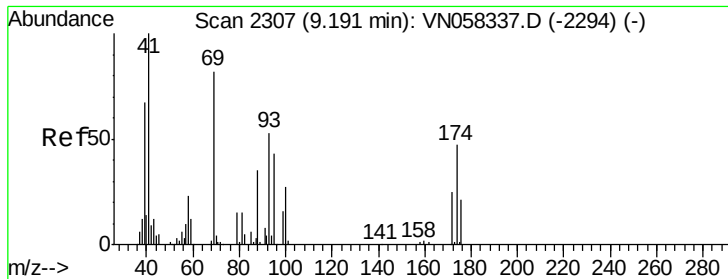
Tgt Ion: 43 Resp: 143921
Ion Ratio Lower Upper
43 100
45 12.6 9.8 14.6



#44
Isopropyl Acetate
Concen: 18.767 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 43 Resp: 238124
Ion Ratio Lower Upper
43 100
61 18.4 14.4 21.6

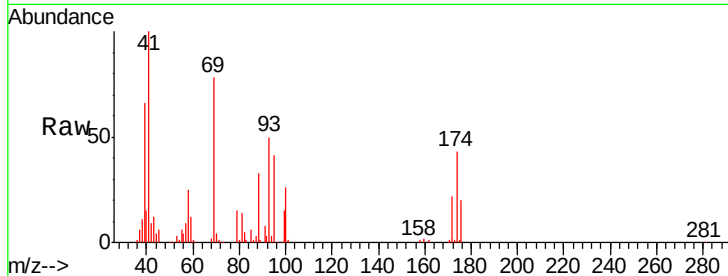




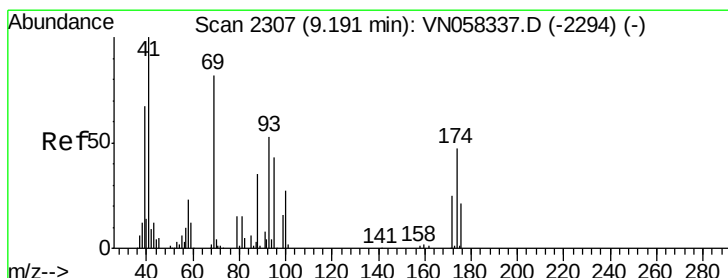
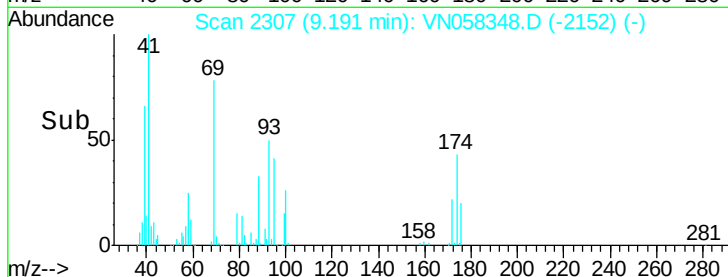
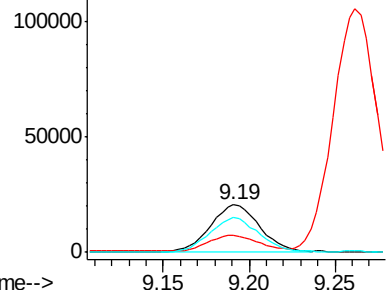
#45
 1,4-Dioxane
 Concen: 387.210 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 88 Resp: 41448
 Ion Ratio Lower Upper
 88 100
 43 33.0 27.2 40.8
 58 73.0 55.4 83.0

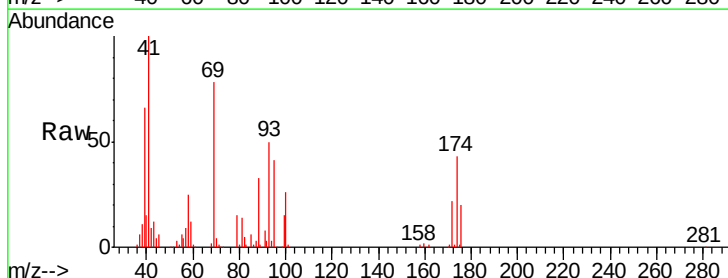


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

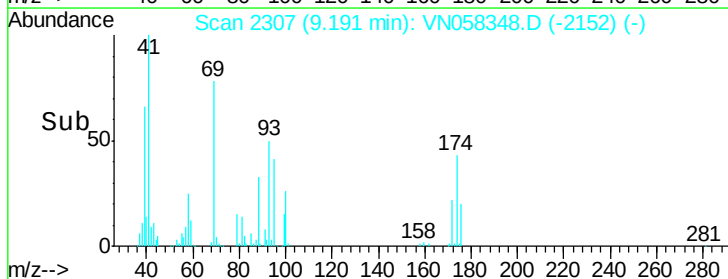
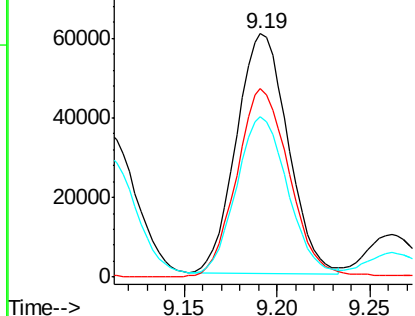


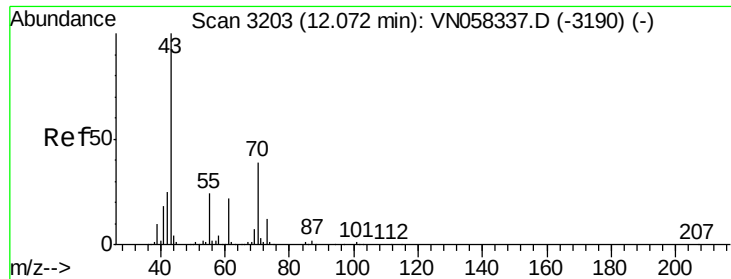
#46
 Methyl methacrylate
 Concen: 19.340 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 41 Resp: 116300
 Ion Ratio Lower Upper
 41 100
 69 78.5 40.9 122.7
 39 65.2 33.6 100.6



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





#47

n-amyl Acetate

Concen: 17.975 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

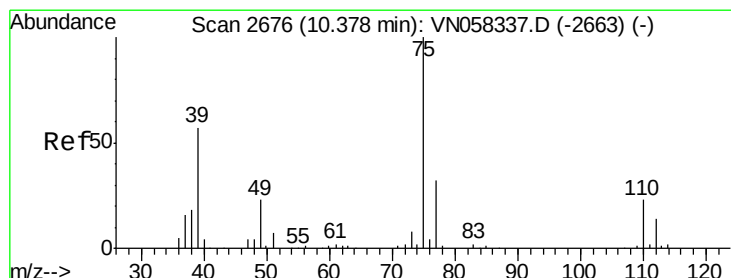
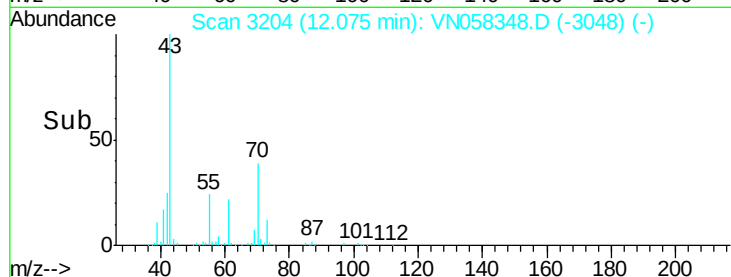
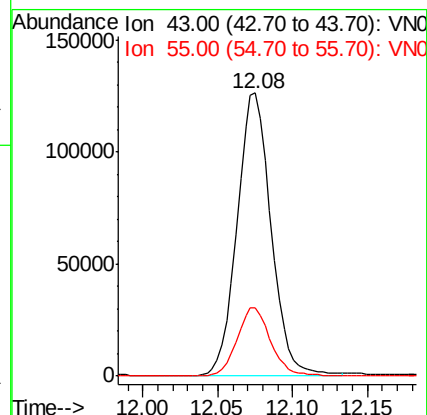
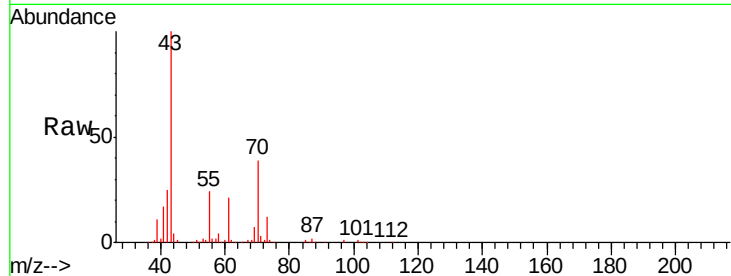
VSTDCCC020EC

Tgt Ion: 43 Resp: 198528

Ion Ratio Lower Upper

43 100

55 24.1 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 18.679 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058348.D

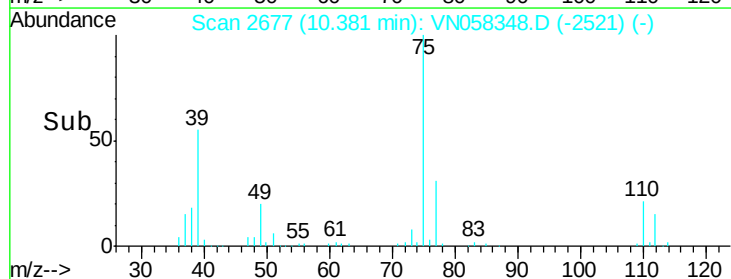
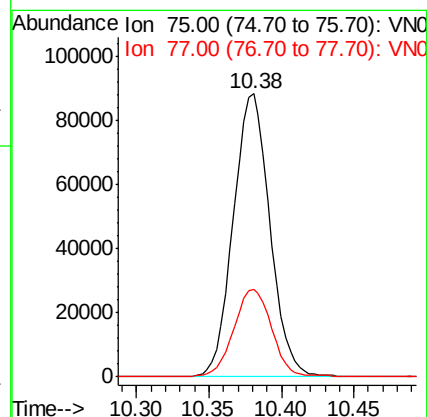
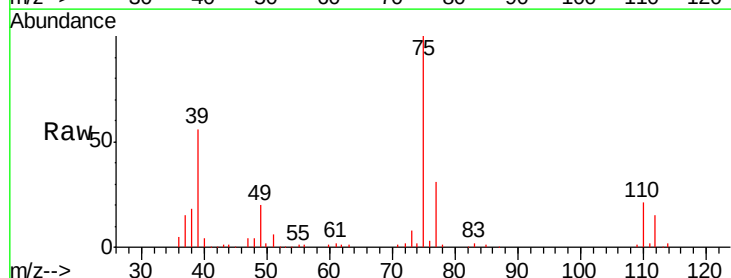
Acq: 24 Sep 2019 16:09

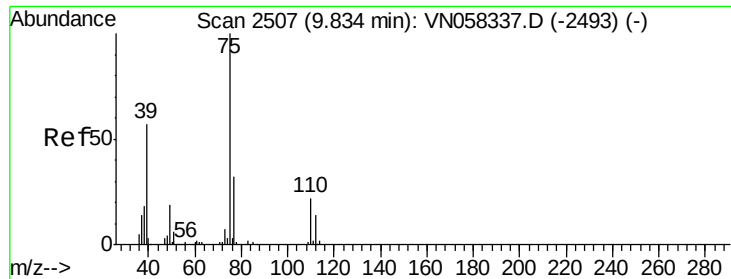
Tgt Ion: 75 Resp: 154900

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 19.227 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

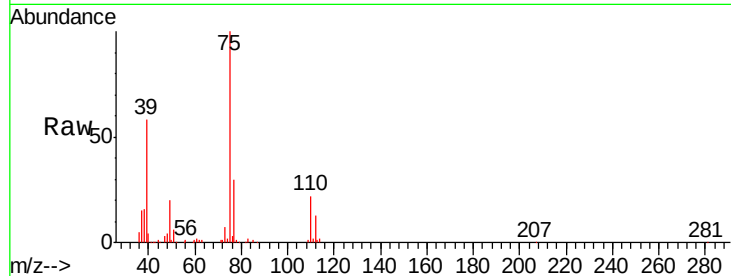
Tgt Ion: 75 Resp: 177523

Ion Ratio Lower Upper

75 100

77 30.2 25.2 37.8

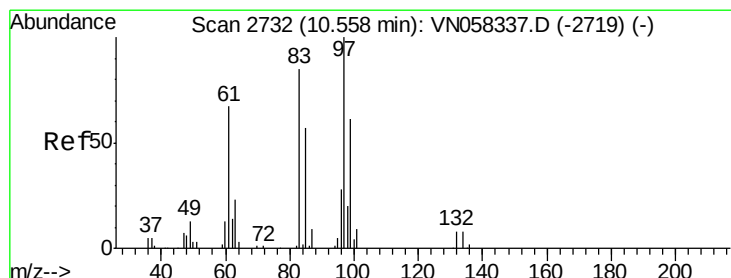
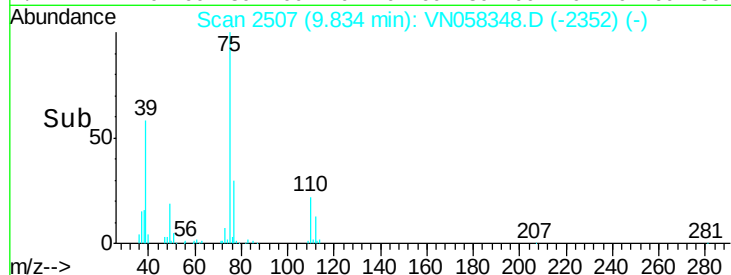
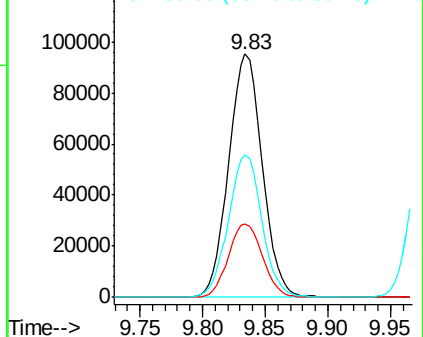
39 58.0 45.8 68.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 19.311 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Tgt Ion: 97 Resp: 103626

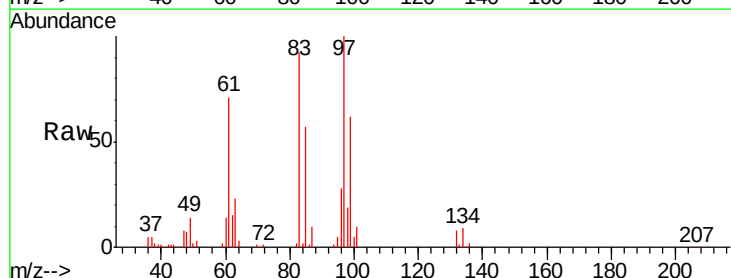
Ion Ratio Lower Upper

97 100

83 92.2 67.8 101.6

85 56.5 45.8 68.6

99 61.9 48.6 72.8

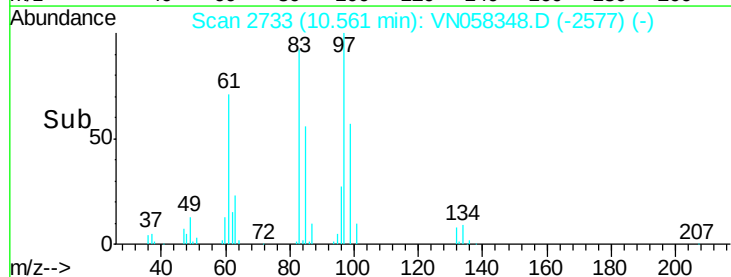
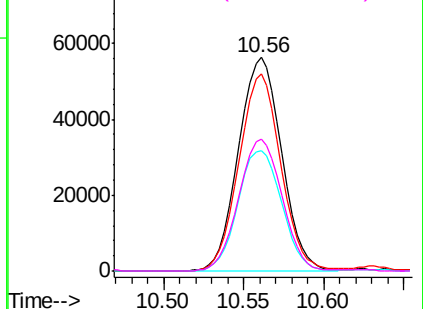


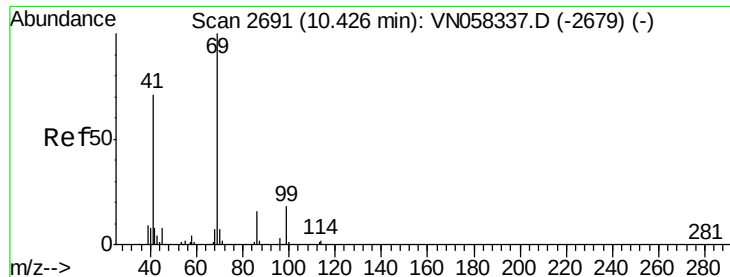
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 18.719 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

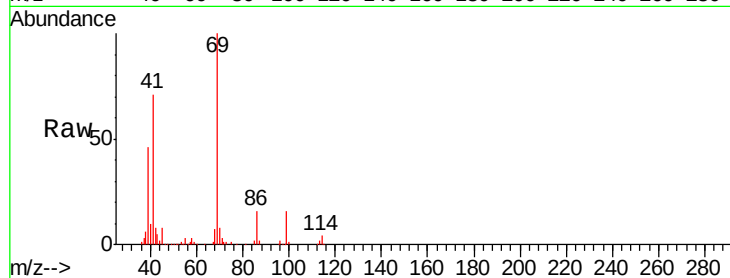
Tgt Ion: 69 Resp: 158929

Ion Ratio Lower Upper

69 100

41 70.9 35.4 106.1

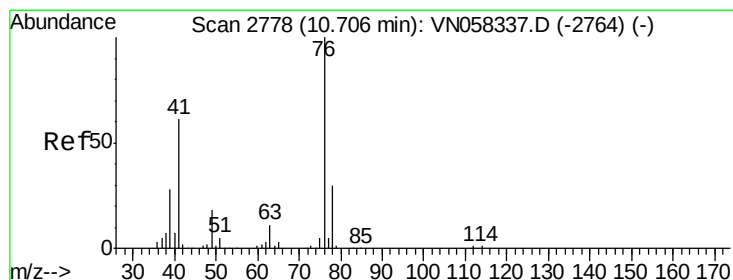
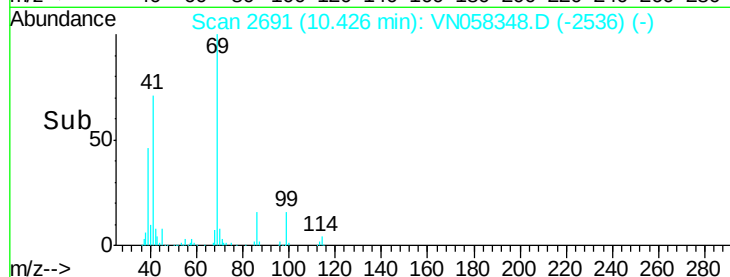
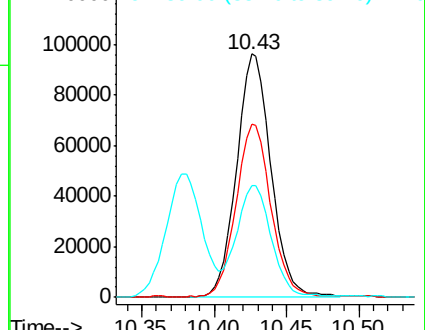
39 45.3 23.5 70.5



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: 19.711 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058348.D

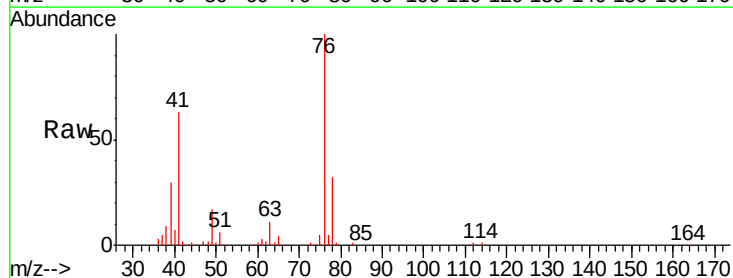
Acq: 24 Sep 2019 16:09

Tgt Ion: 76 Resp: 187851

Ion Ratio Lower Upper

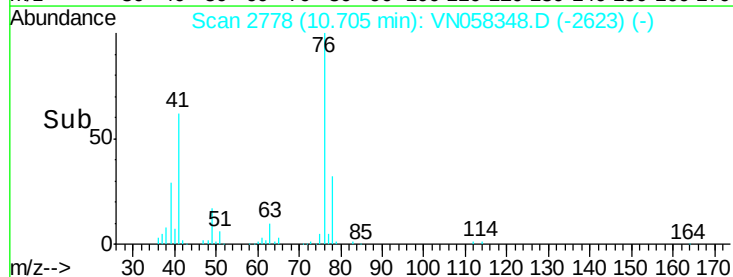
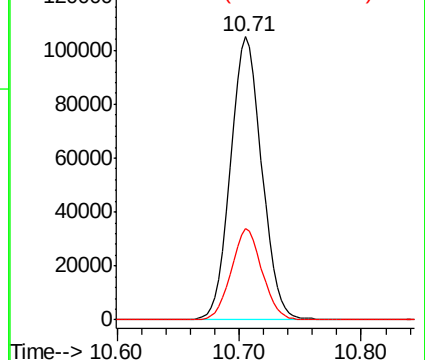
76 100

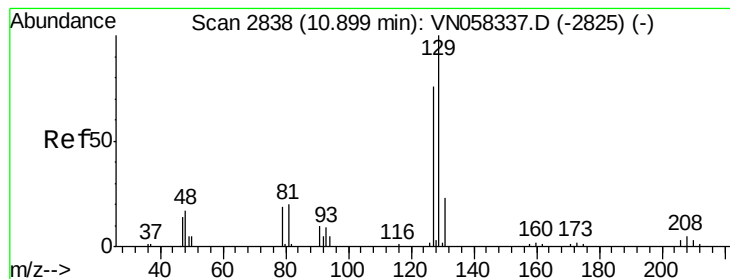
78 31.9 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.477 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

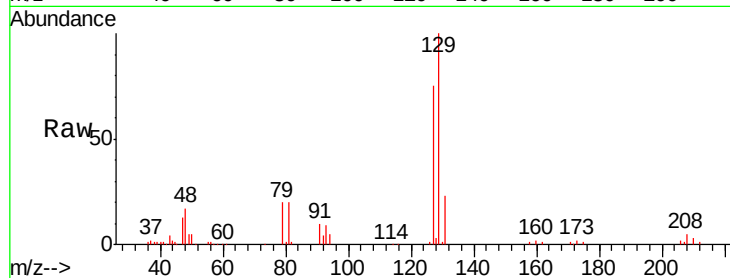
VSTDCCC020EC

Tgt Ion:129 Resp: 99607

Ion Ratio Lower Upper

129 100

127 76.3 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

60000

50000

40000

30000

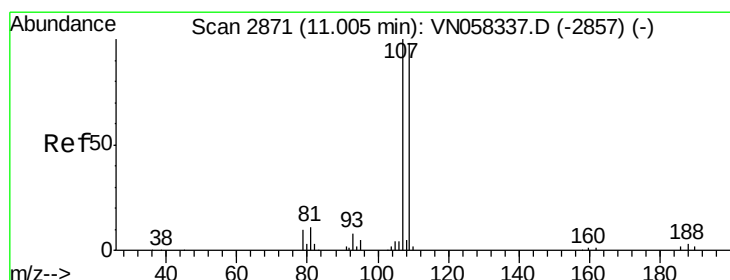
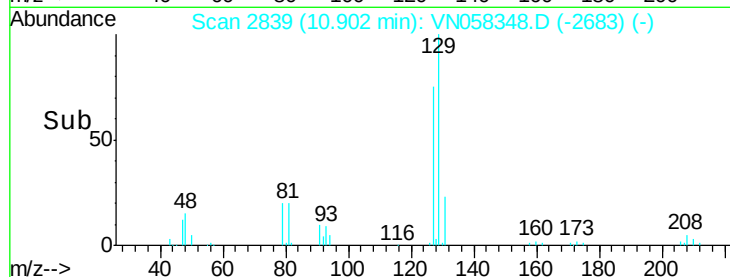
20000

10000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 19.096 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058348.D

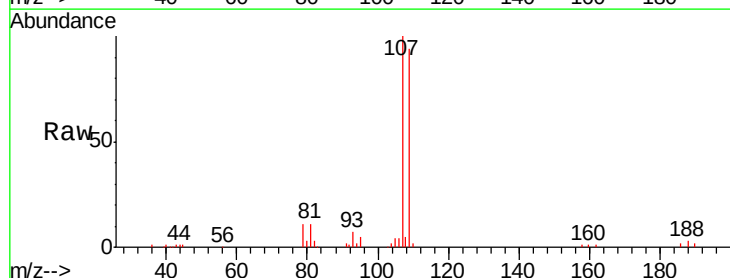
Acq: 24 Sep 2019 16:09

Tgt Ion:107 Resp: 104571

Ion Ratio Lower Upper

107 100

109 93.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

60000

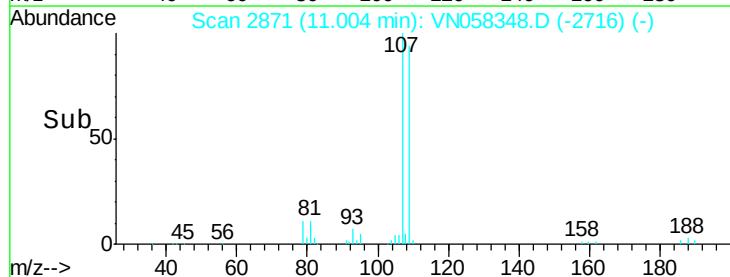
40000

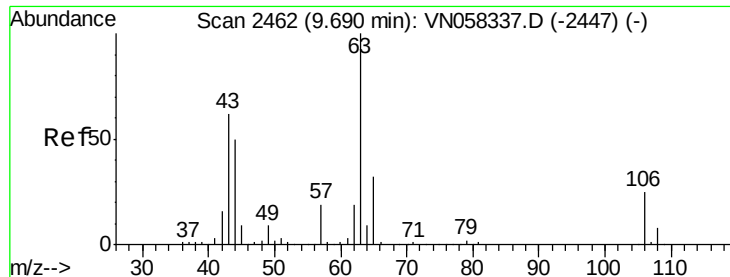
20000

0

Time-->

10.95 11.00 11.05

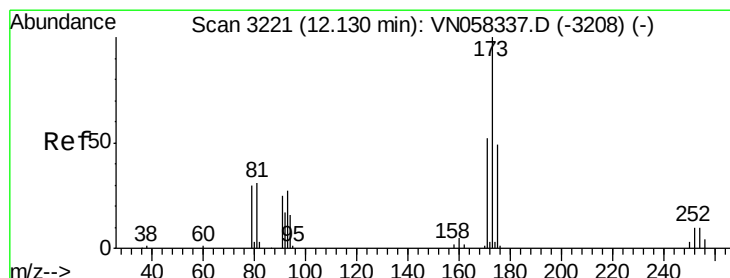
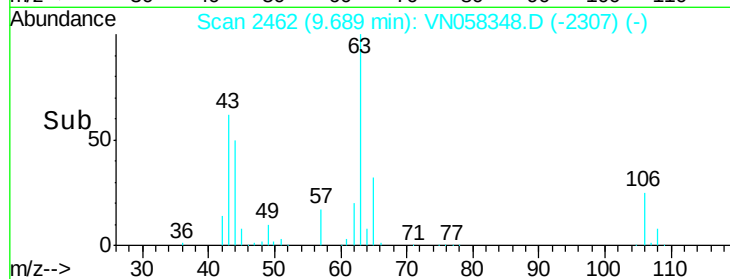
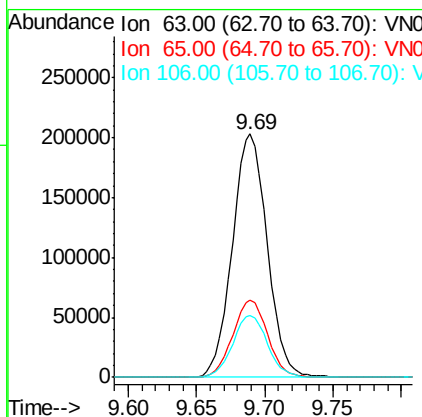
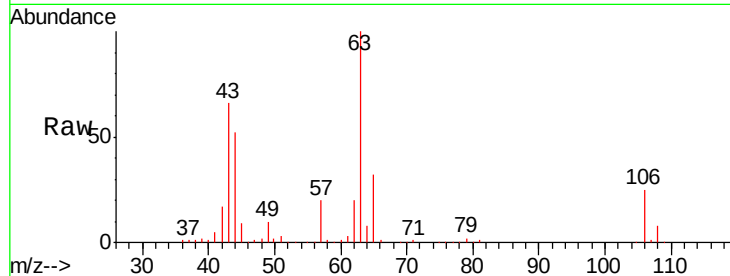




#55
 2-Chloroethyl vinyl ether
 Concen: 100.161 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

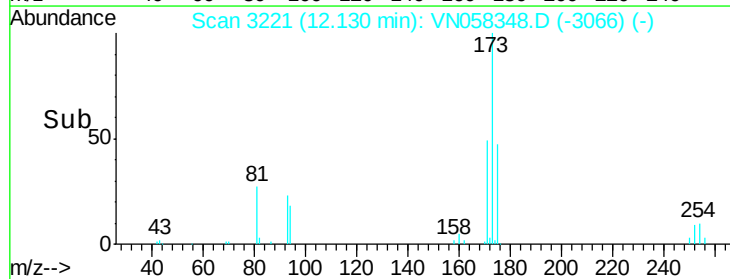
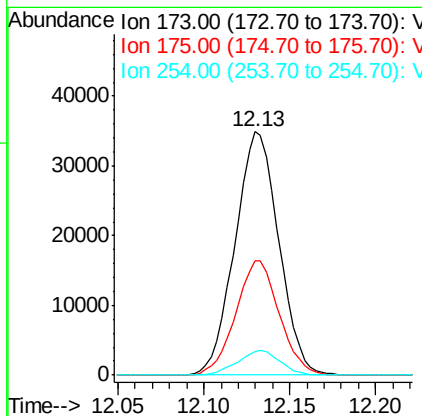
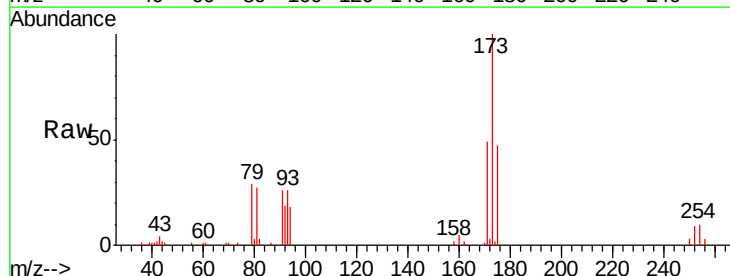
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

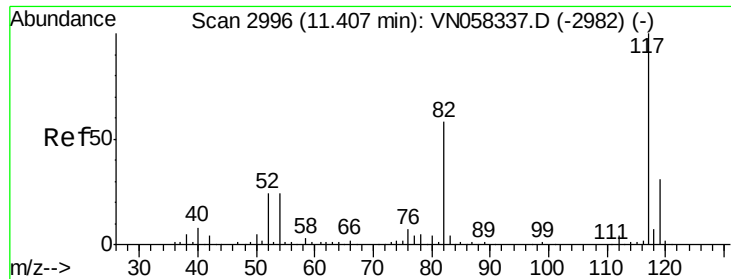
Tgt Ion: 63 Resp: 360080
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.2
 106 25.4 20.4 30.6



#56
 Bromoform
 Concen: 18.124 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 173 Resp: 61628
 Ion Ratio Lower Upper
 173 100
 175 46.7 38.8 58.2
 254 9.6 7.8 11.8

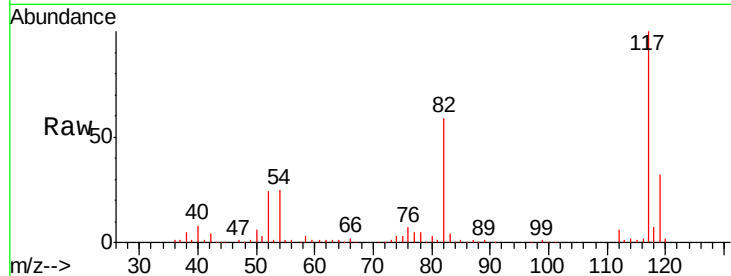




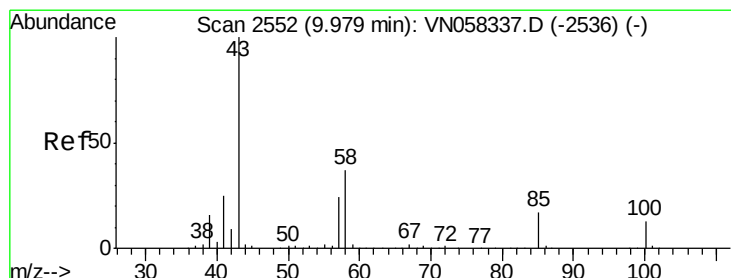
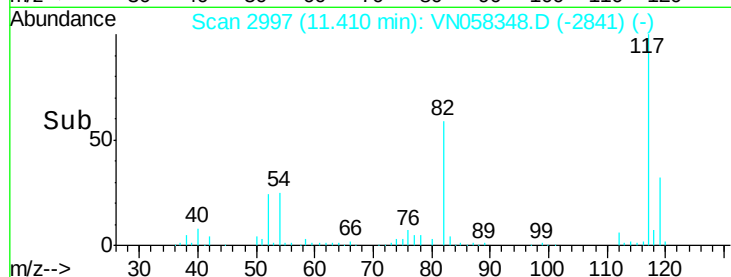
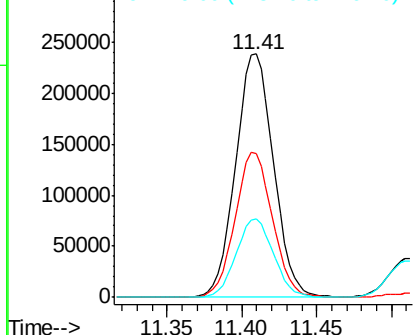
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tgt Ion: 117 Resp: 421536
Ion Ratio Lower Upper
117 100
82 58.7 46.4 69.6
119 31.8 25.1 37.7

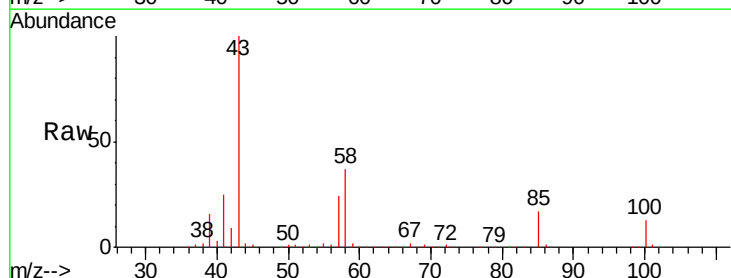


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

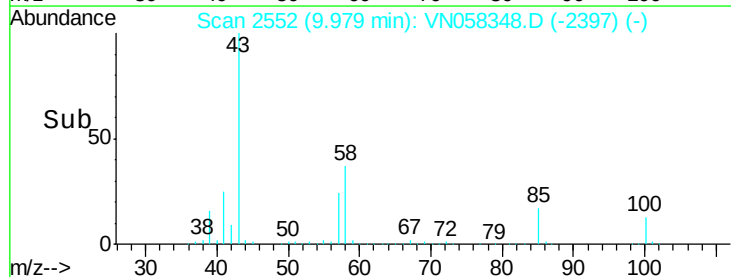
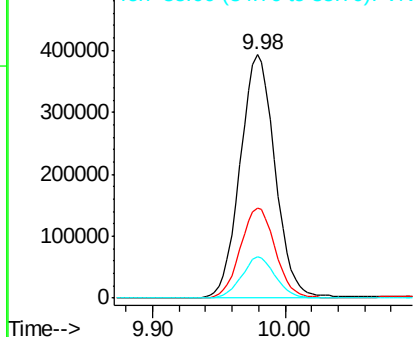


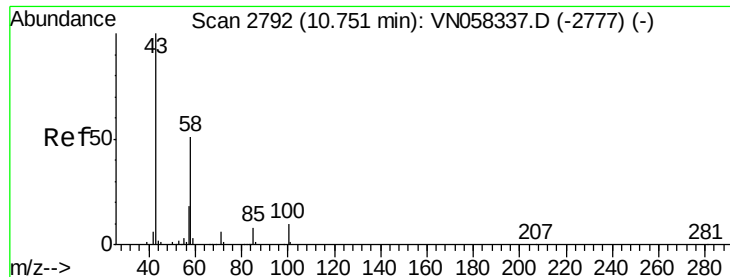
#58
4-Methyl-2-Pentanone
Concen: 108.437 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 43 Resp: 716222
Ion Ratio Lower Upper
43 100
58 37.3 29.3 43.9
85 16.4 13.1 19.7



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

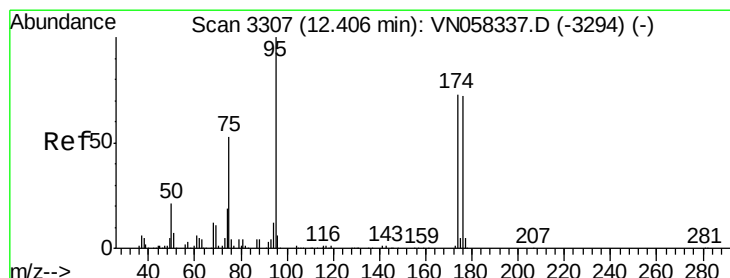
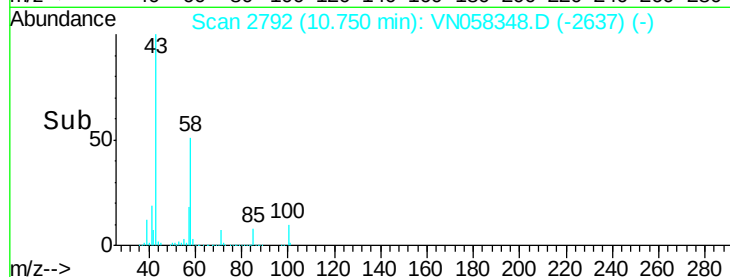
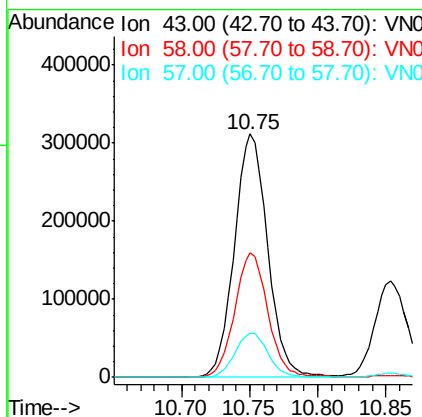
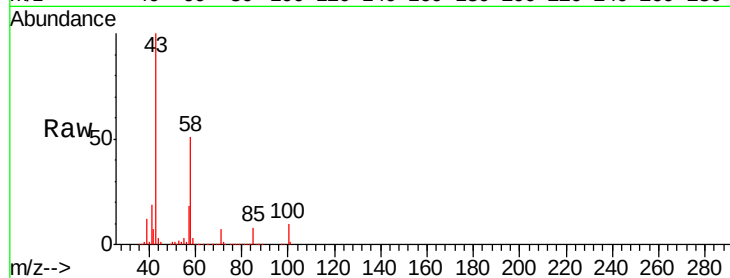




#59
2-Hexanone
Concen: 105.545 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

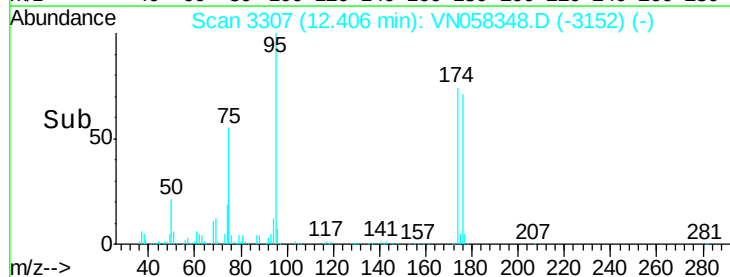
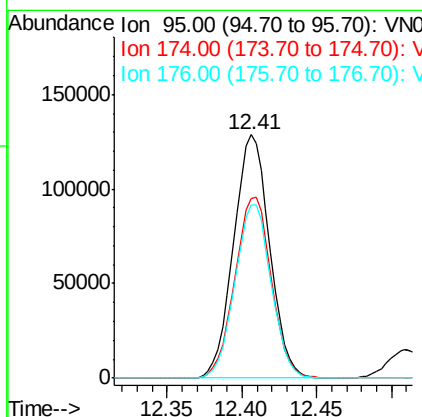
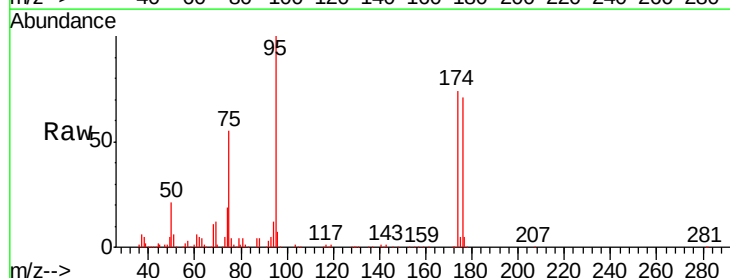
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

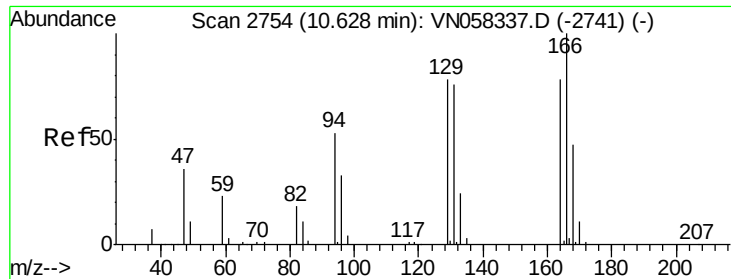
Tgt Ion: 43 Resp: 527017
Ion Ratio Lower Upper
43 100
58 51.1 40.7 61.1
57 18.3 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.598 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 95 Resp: 215881
Ion Ratio Lower Upper
95 100
174 75.4 59.0 88.6
176 71.7 58.2 87.2





#61

Tetrachloroethene

Concen: 19.606 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 86583

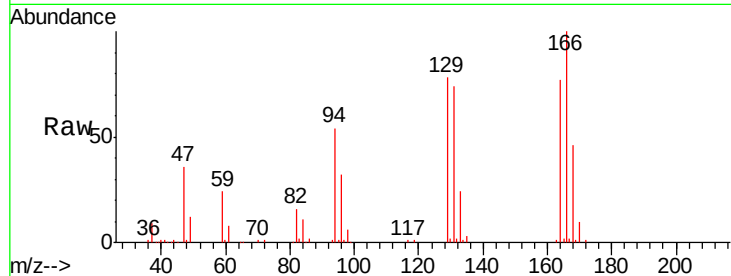
Ion Ratio Lower Upper

164 100

166 130.1 102.6 154.0

129 101.8 79.8 119.6

131 96.6 78.1 117.1

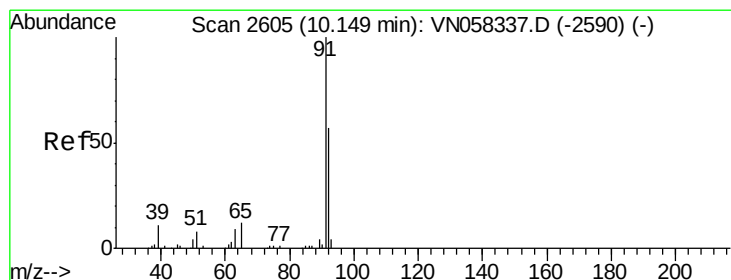
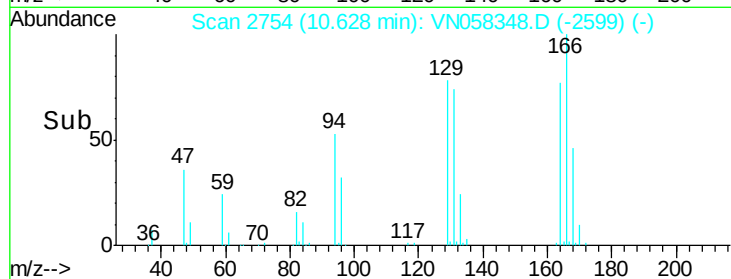
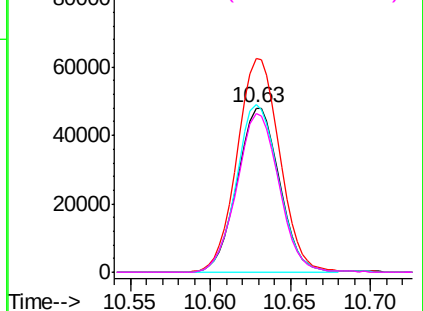


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.606 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058348.D

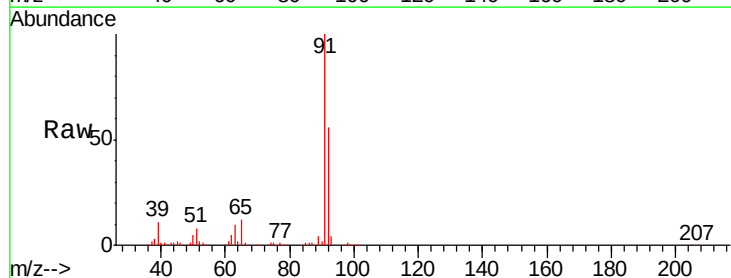
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 475712

Ion Ratio Lower Upper

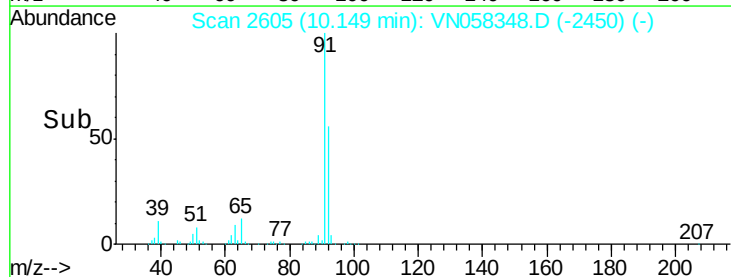
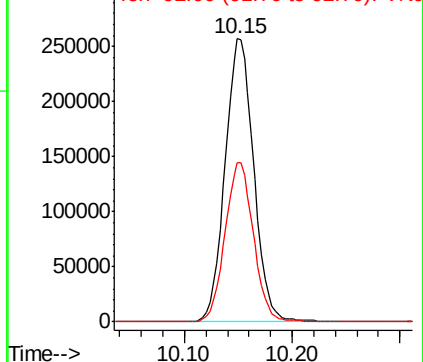
91 100

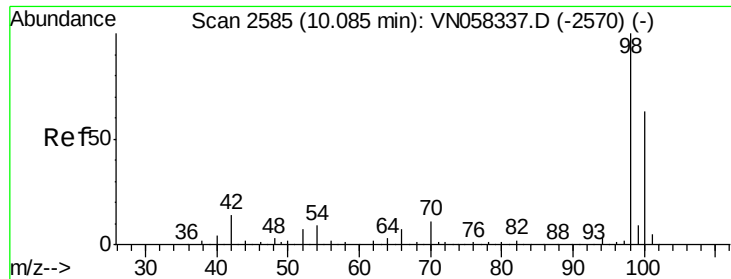
92 56.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.342 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

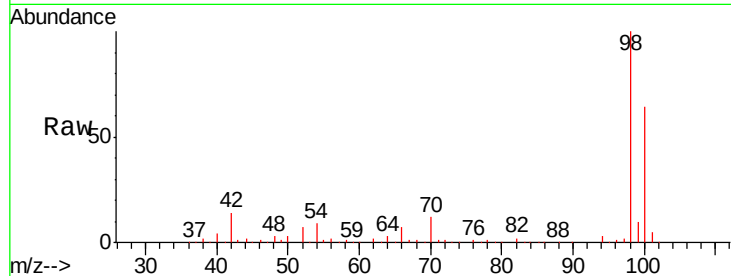
VSTDCCC020EC

Tgt Ion: 98 Resp: 610400

Ion Ratio Lower Upper

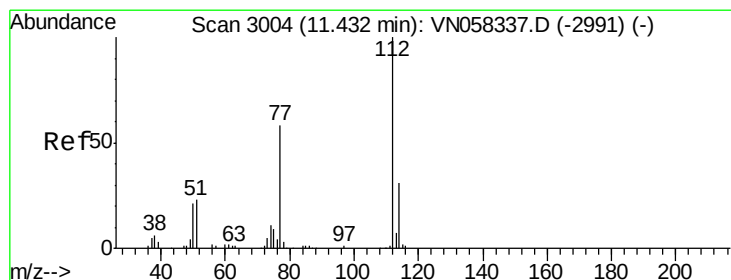
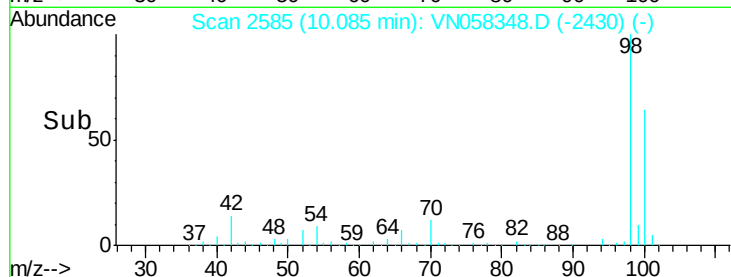
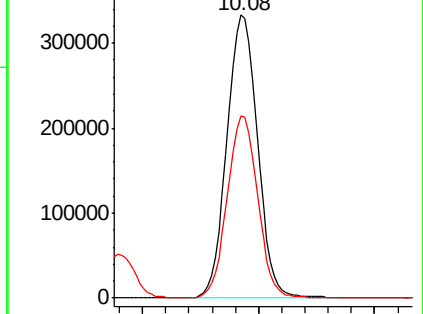
98 100

100 63.3 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.696 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058348.D

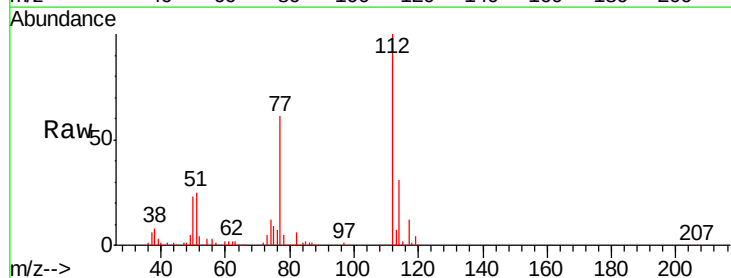
Acq: 24 Sep 2019 16:09

Tgt Ion: 112 Resp: 279428

Ion Ratio Lower Upper

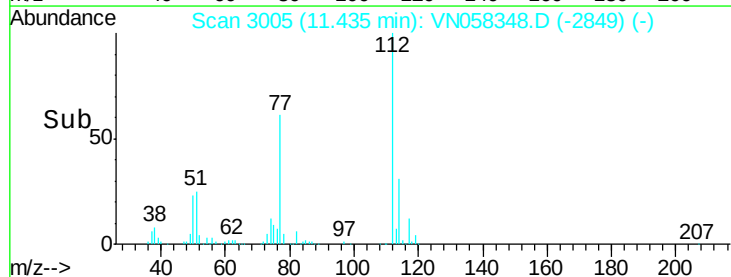
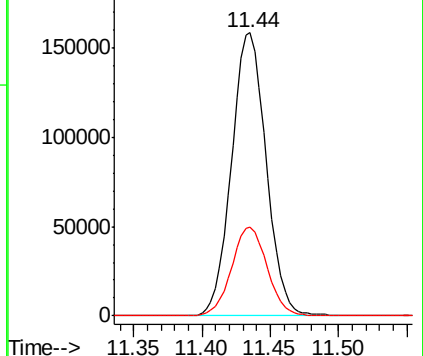
112 100

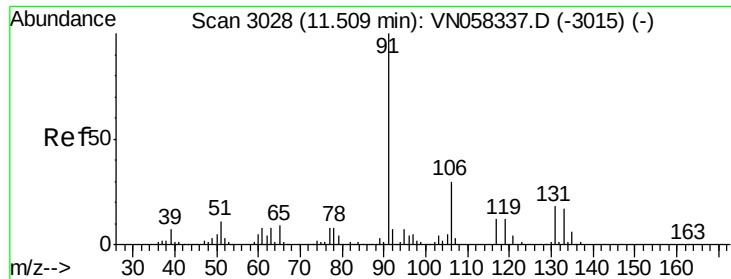
114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.483 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

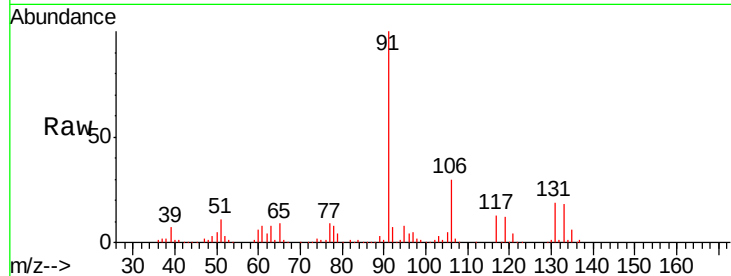
Tgt Ion:131 Resp: 96900

Ion Ratio Lower Upper

131 100

133 94.5 0.0 191.8

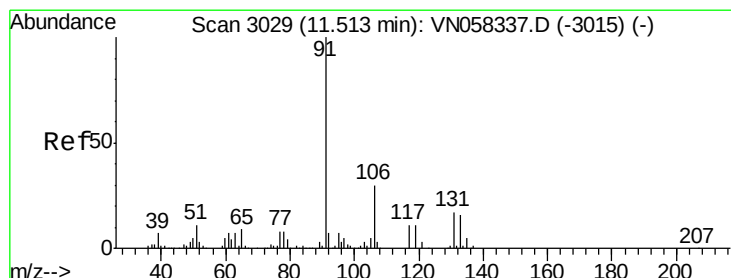
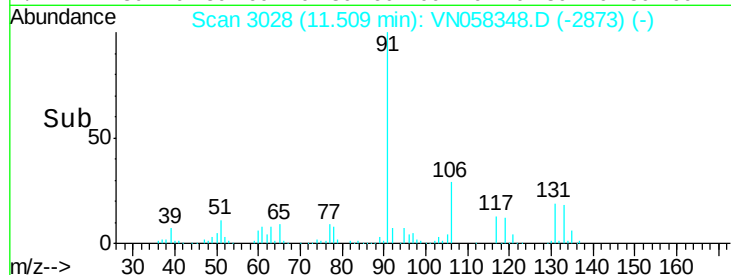
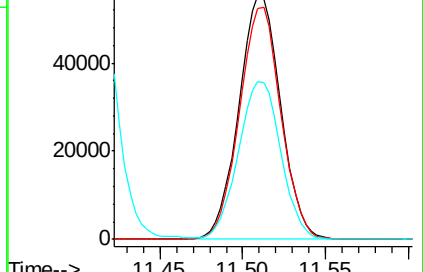
119 65.9 0.0 134.2



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: 20.734 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058348.D

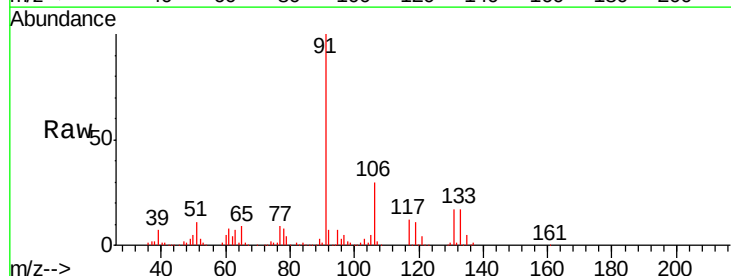
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 521964

Ion Ratio Lower Upper

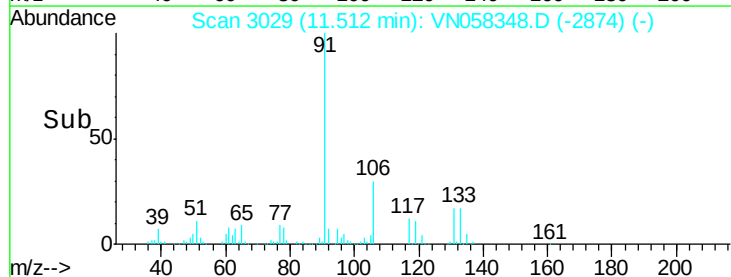
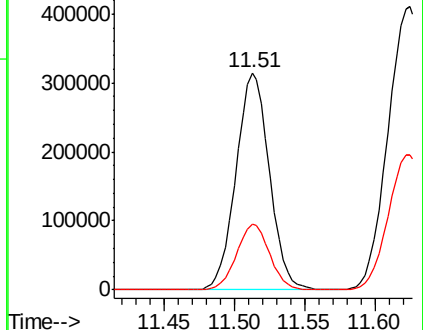
91 100

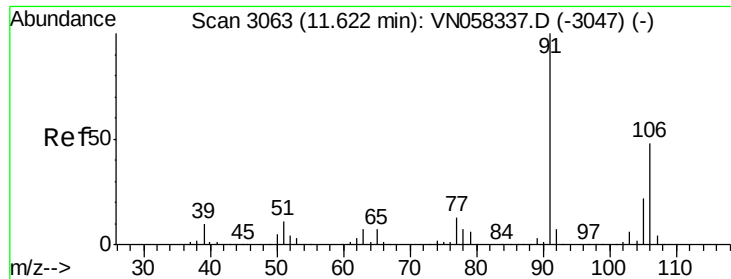
106 30.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.596 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

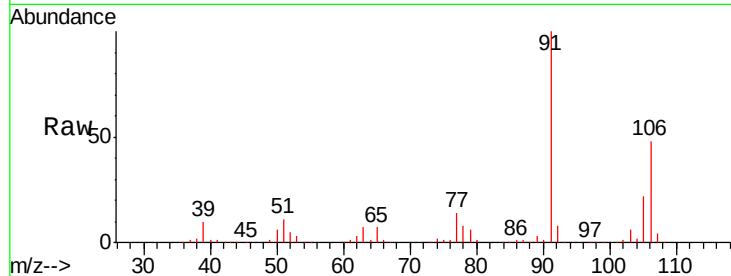
VSTDCCC020EC

Tgt Ion:106 Resp: 382688

Ion Ratio Lower Upper

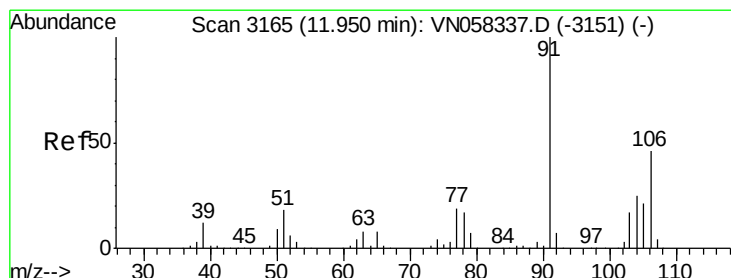
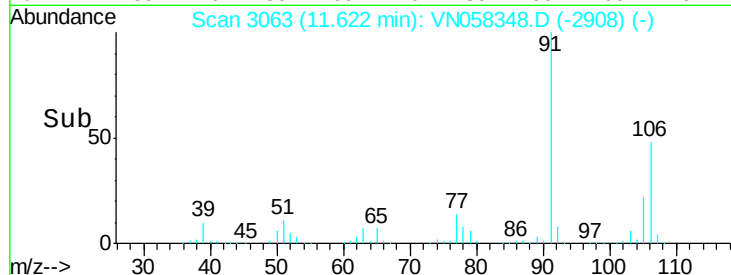
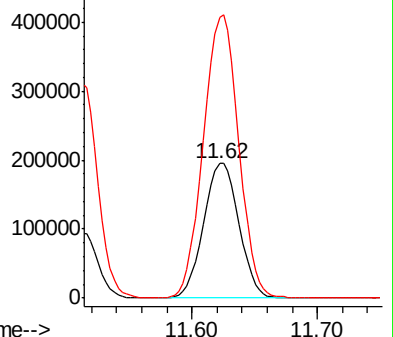
106 100

91 209.4 167.8 251.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.837 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058348.D

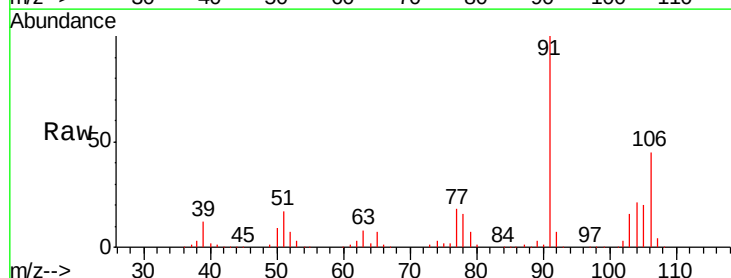
Acq: 24 Sep 2019 16:09

Tgt Ion:106 Resp: 186420

Ion Ratio Lower Upper

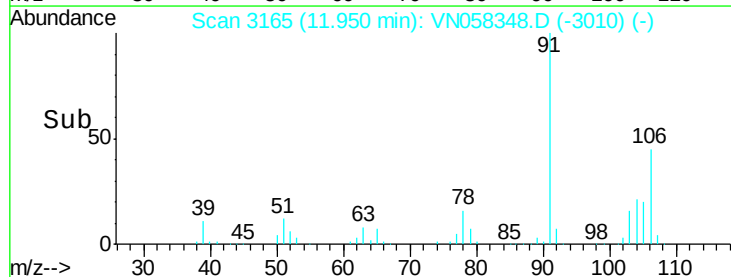
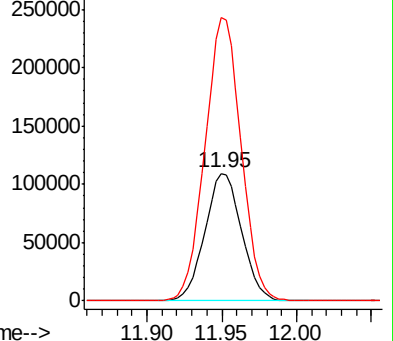
106 100

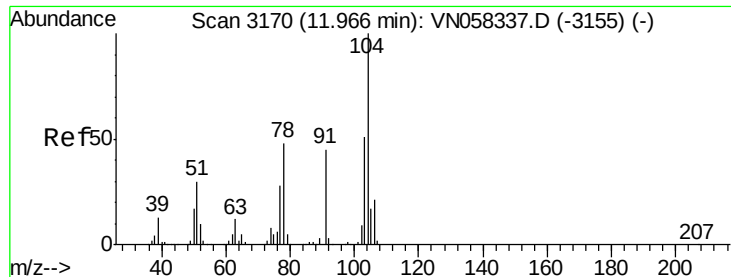
91 218.5 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

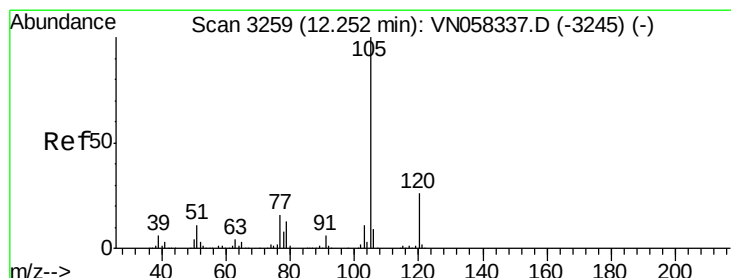
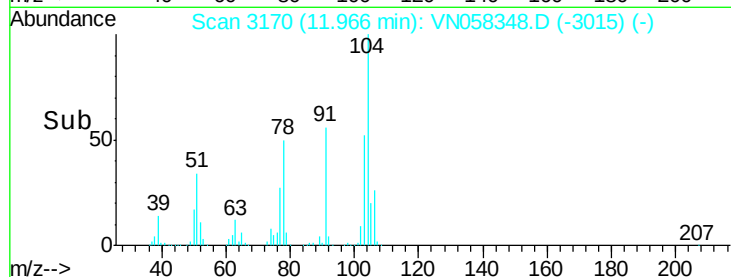
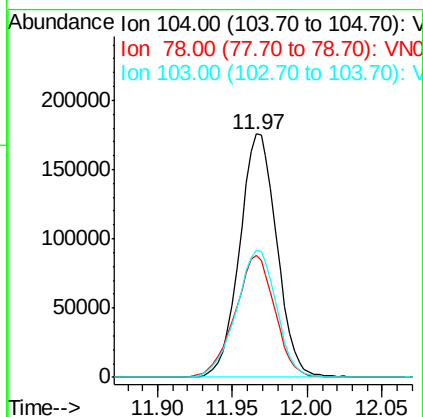
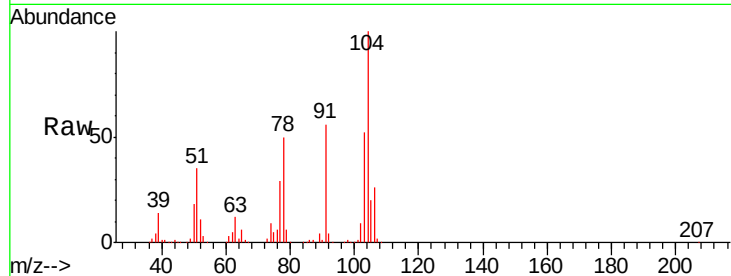




#69
Styrene
Concen: 19.348 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

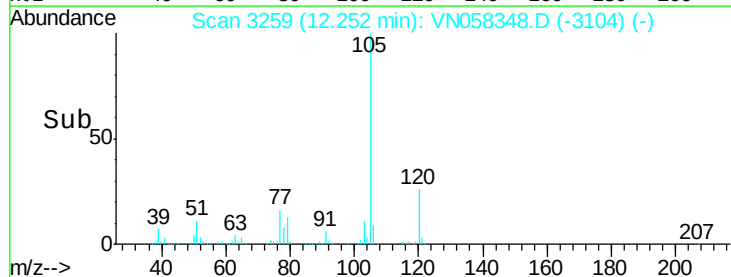
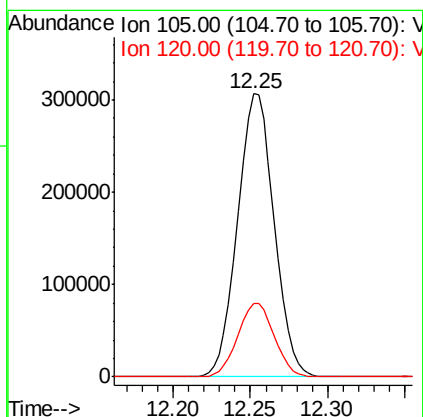
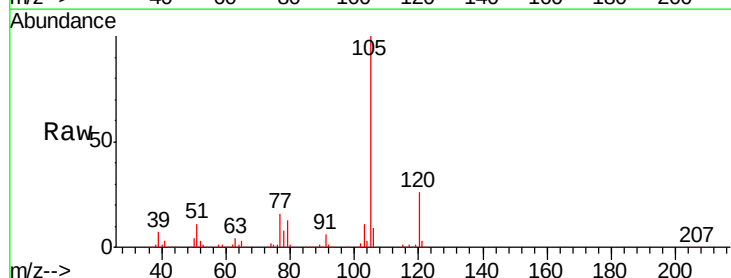
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

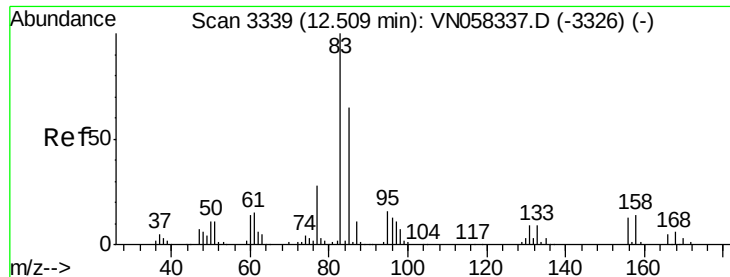
Tgt Ion:104 Resp: 304064
Ion Ratio Lower Upper
104 100
78 53.8 42.3 63.5
103 56.4 44.1 66.1



#70
Isopropylbenzene
Concen: 20.707 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:105 Resp: 504296
Ion Ratio Lower Upper
105 100
120 26.0 18.2 33.8

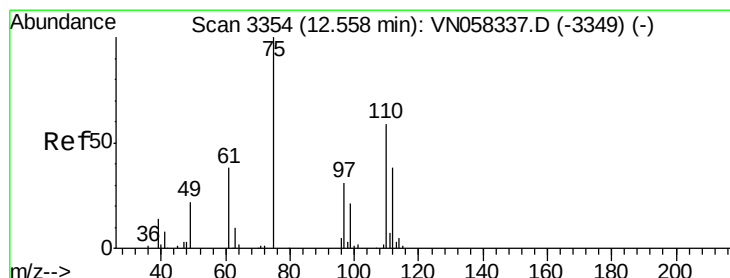
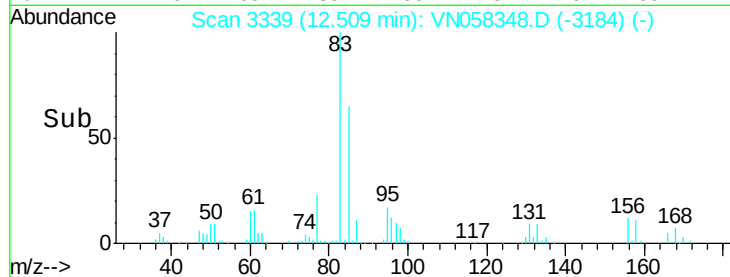
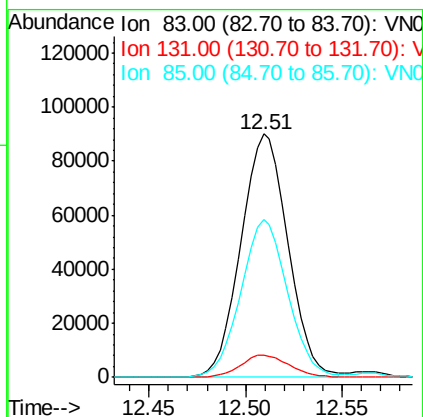
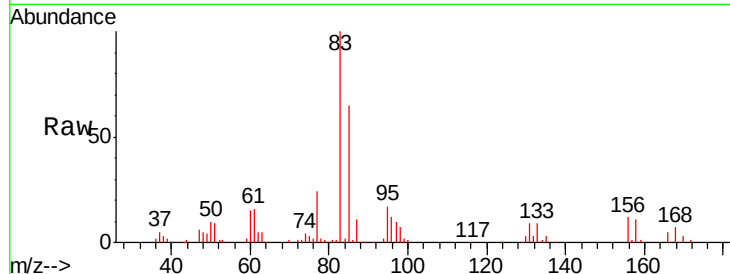




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.650 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

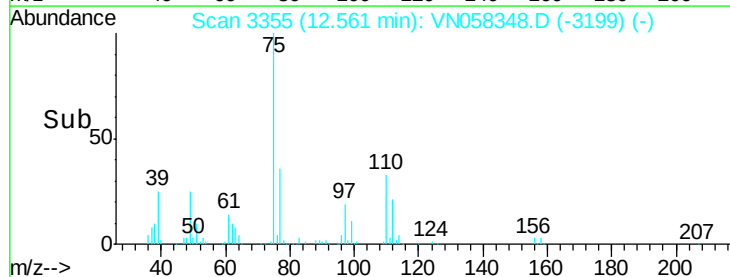
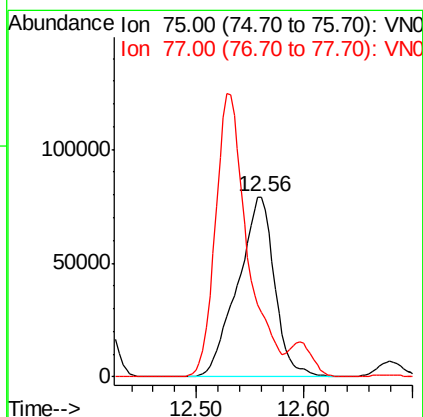
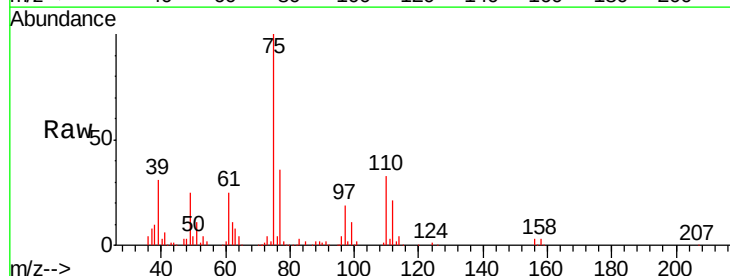
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

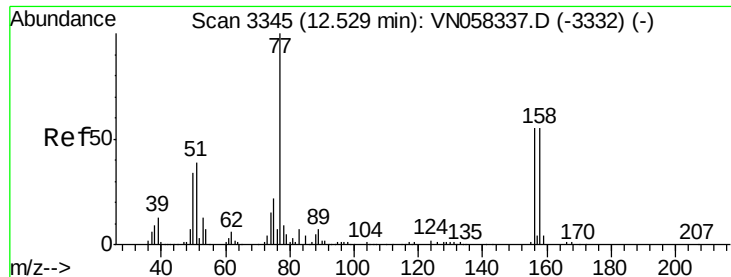
Tgt Ion: 83 Resp: 152094
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 64.5 32.6 97.7



#72
 1,2,3-Trichloropropane
 Concen: 28.271 ug/l
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion: 75 Resp: 188197
 Ion Ratio Lower Upper
 75 100
 77 136.0 0.0 382.4





#73

Bromobenzene

Concen: 19.235 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

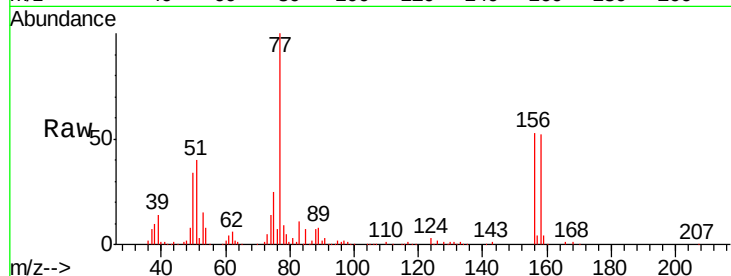
Tgt Ion:156 Resp: 113462

Ion Ratio Lower Upper

156 100

77 225.6 0.0 438.8

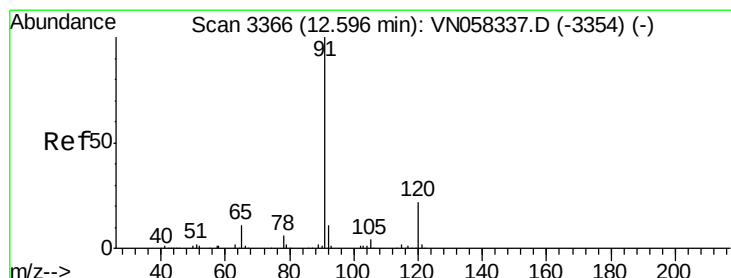
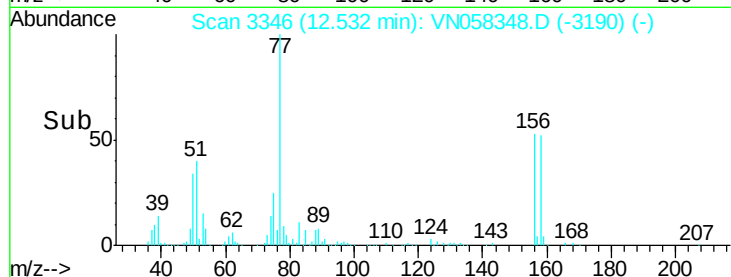
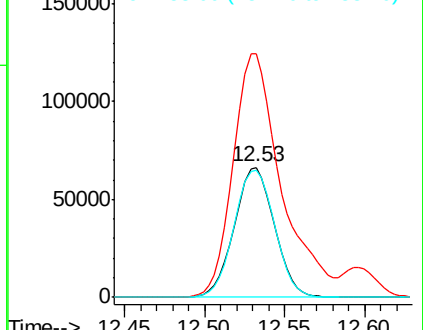
158 99.2 0.0 195.6



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: 21.147 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058348.D

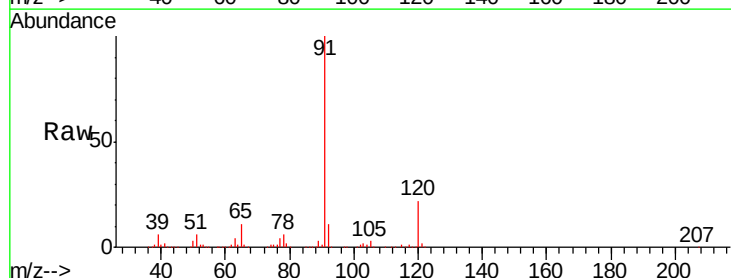
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 593721

Ion Ratio Lower Upper

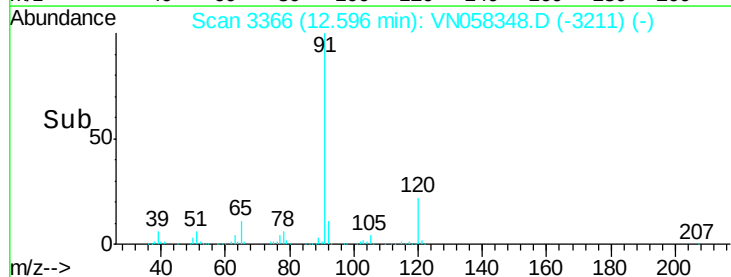
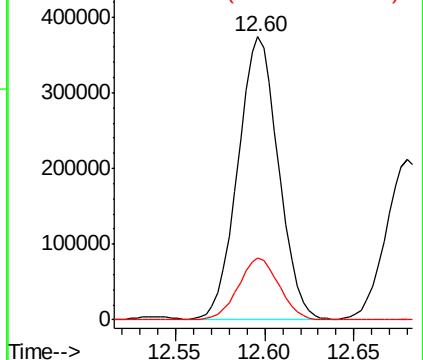
91 100

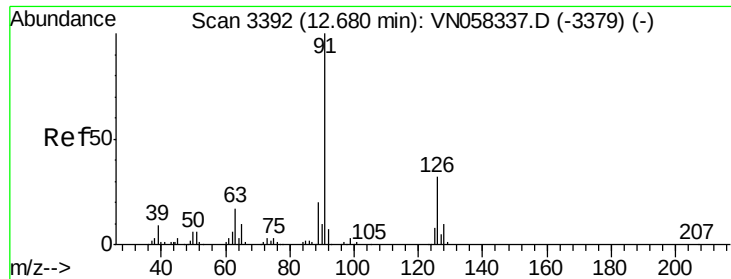
120 22.0 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.049 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

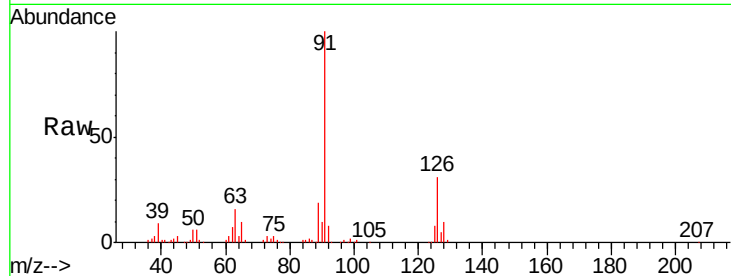
VSTDCCC020EC

Tgt Ion: 91 Resp: 352117

Ion Ratio Lower Upper

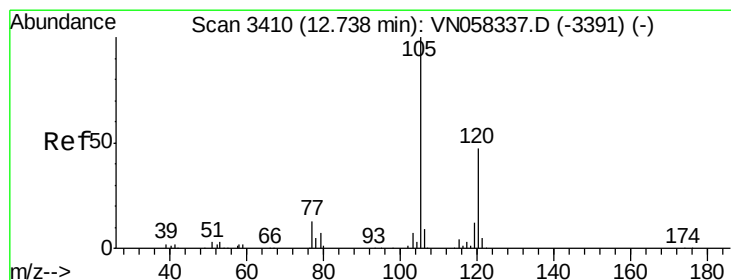
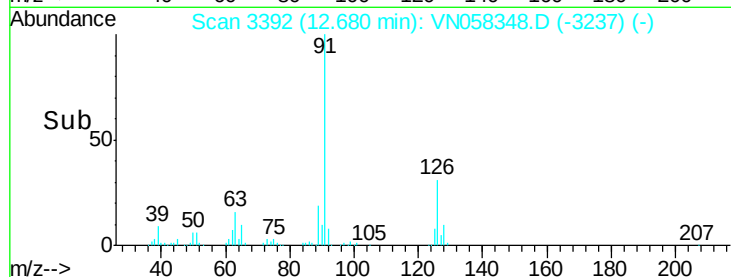
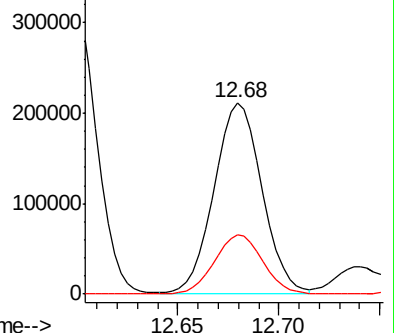
91 100

126 31.4 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.407 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058348.D

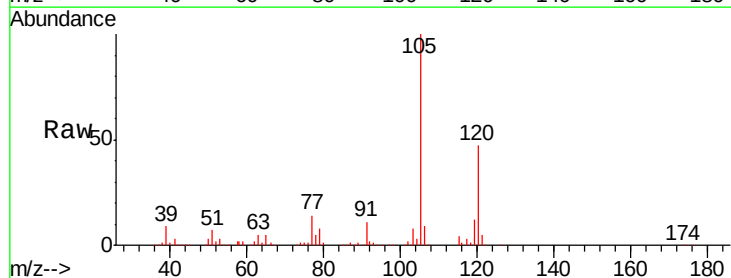
Acq: 24 Sep 2019 16:09

Tgt Ion: 105 Resp: 427932

Ion Ratio Lower Upper

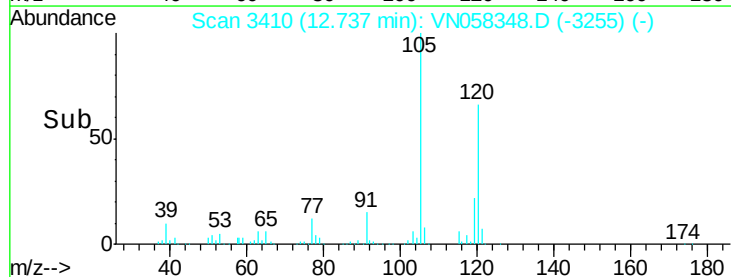
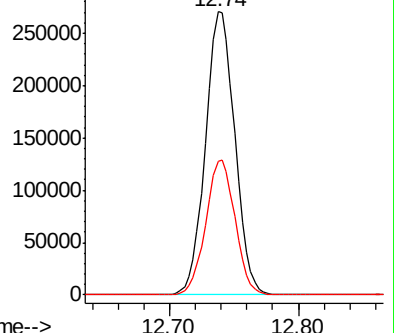
105 100

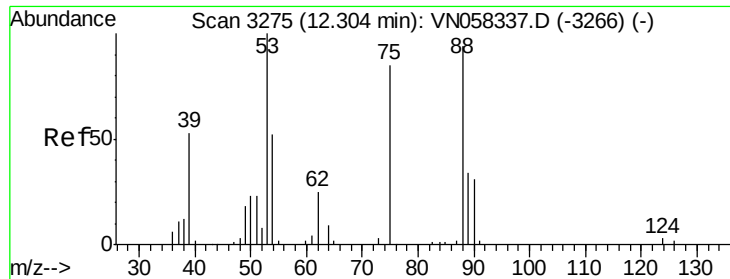
120 47.4 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

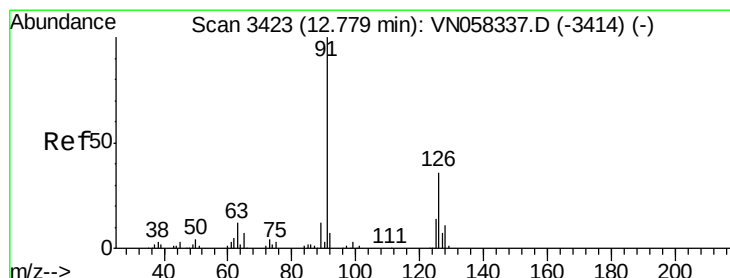
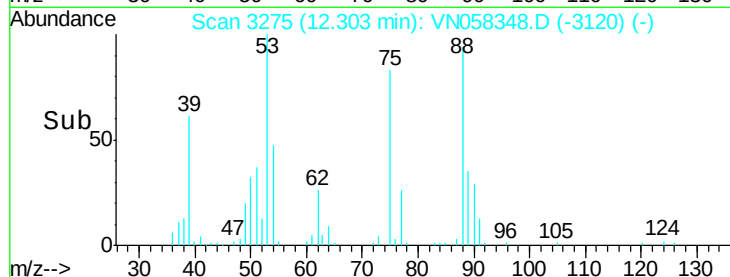
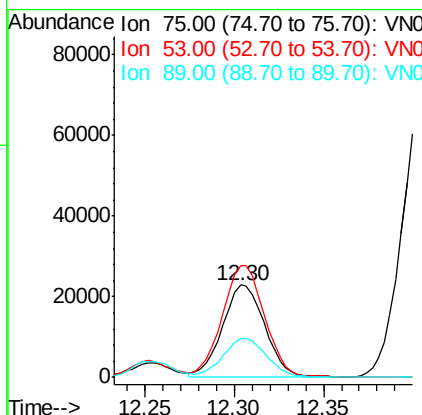
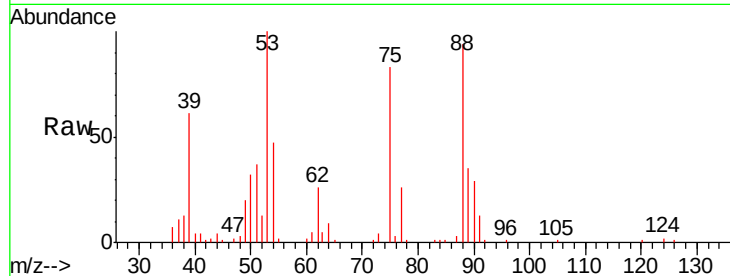




#77
t-1,4-Dichloro-2-butene
Concen: 17.493 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

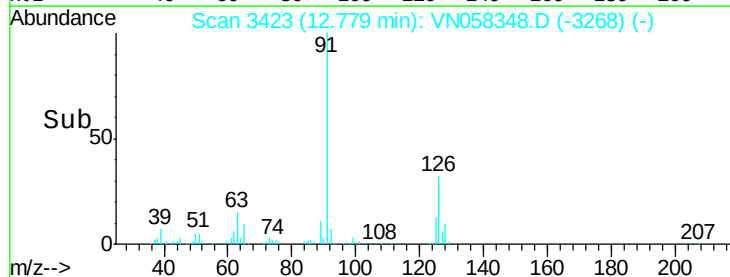
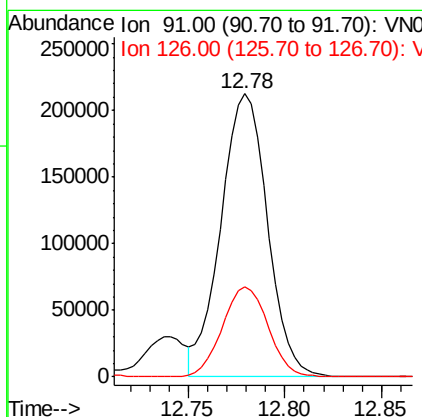
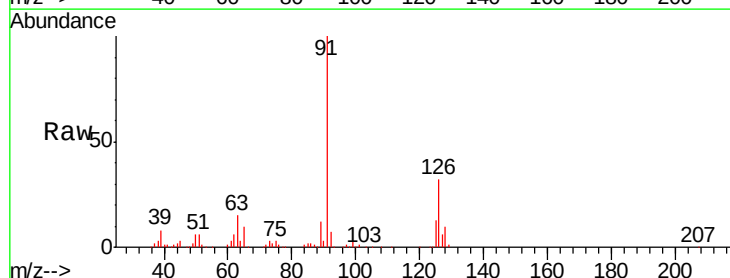
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

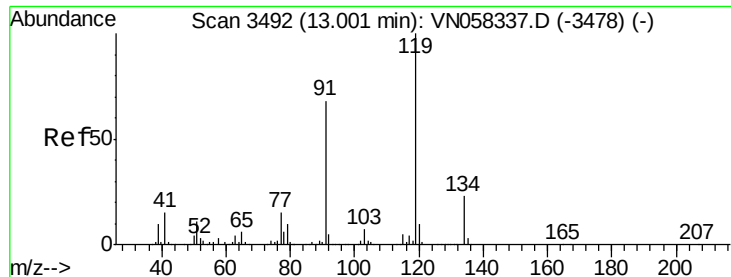
Tgt Ion: 75 Resp: 37985
Ion Ratio Lower Upper
75 100
53 119.9 59.0 176.8
89 41.7 21.6 65.0



#78
4-Chlorotoluene
Concen: 19.692 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion: 91 Resp: 354450
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.8

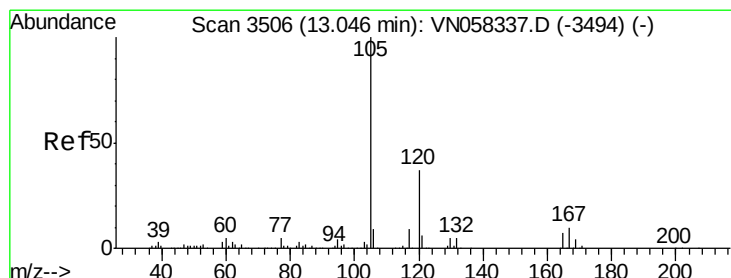
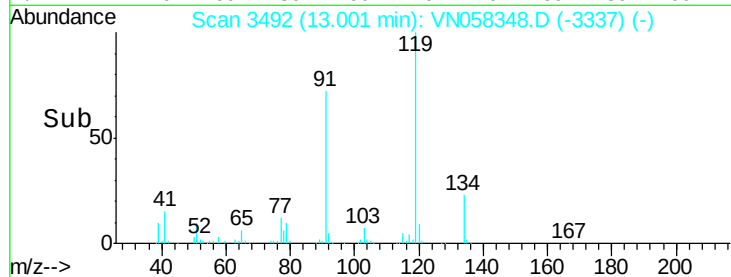
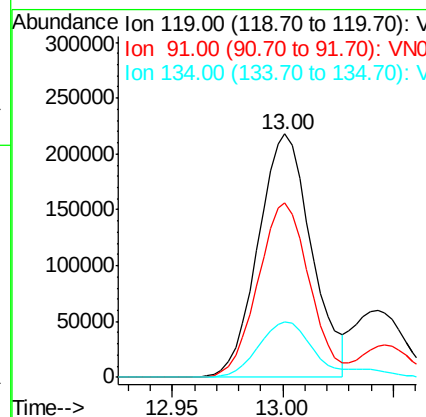
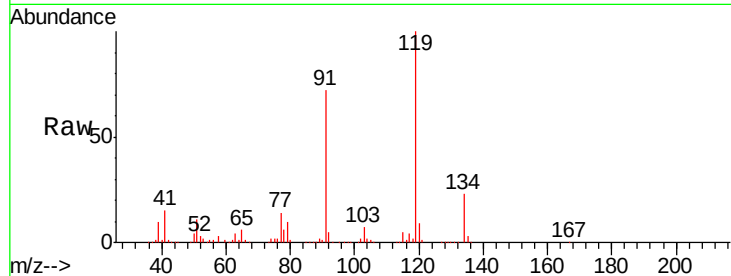




#79
tert-butylbenzene
Concen: 20.092 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

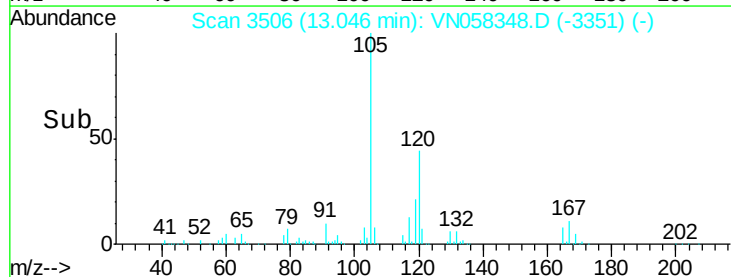
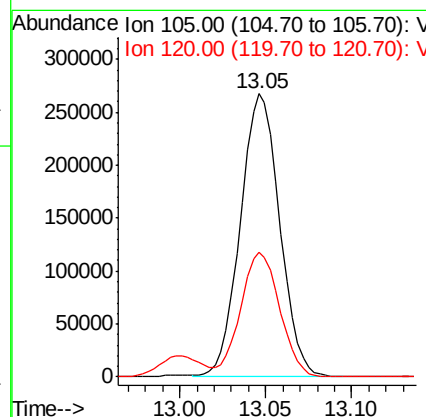
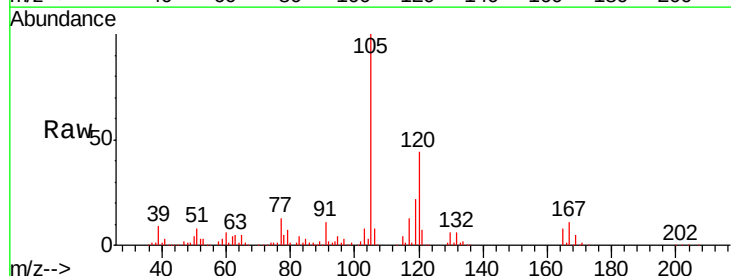
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

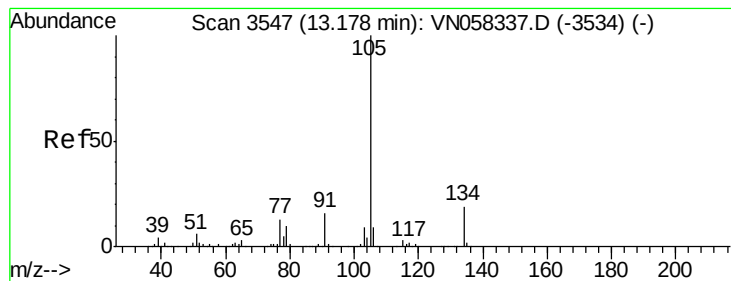
Tgt Ion:119 Resp: 364792
Ion Ratio Lower Upper
119 100
91 69.6 0.0 138.2
134 23.2 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 20.222 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:105 Resp: 423277
Ion Ratio Lower Upper
105 100
120 43.8 0.0 86.6





#81

sec-Butylbenzene

Concen: 20.793 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

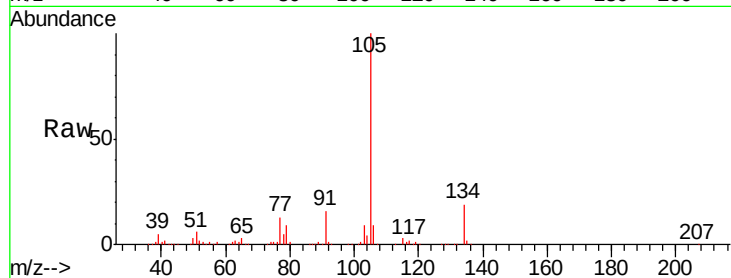
VSTDCCC020EC

Tgt Ion:105 Resp: 495160

Ion Ratio Lower Upper

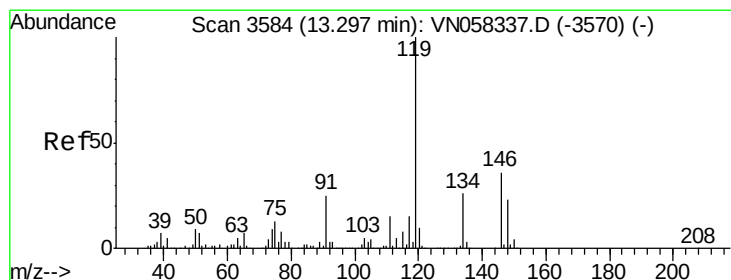
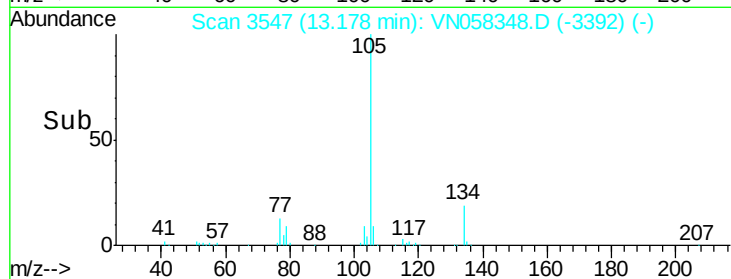
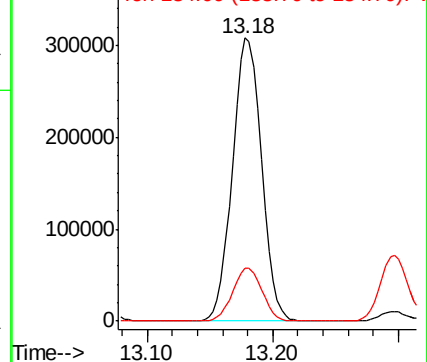
105 100

134 18.9 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.348 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

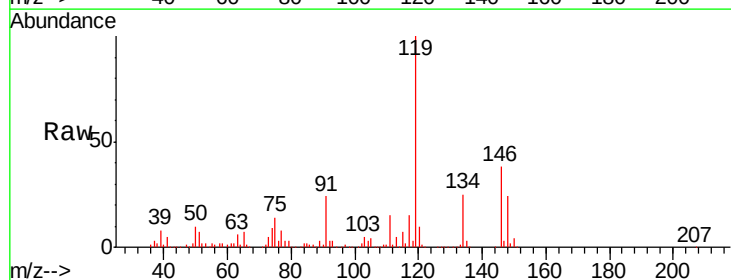
Tgt Ion:119 Resp: 436356

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

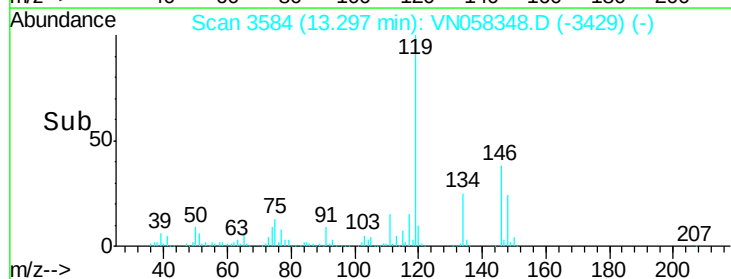
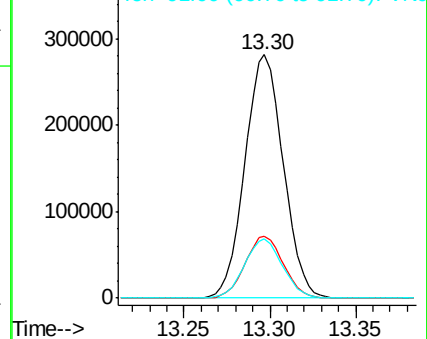
91 24.3 0.0 49.6

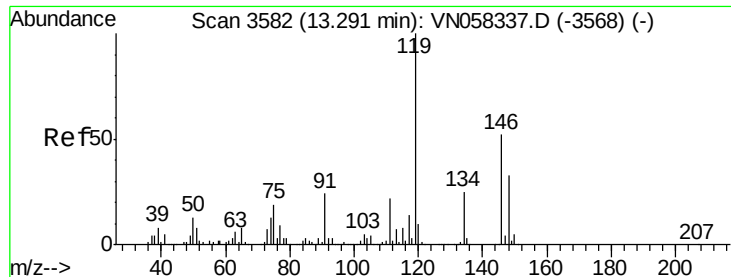


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

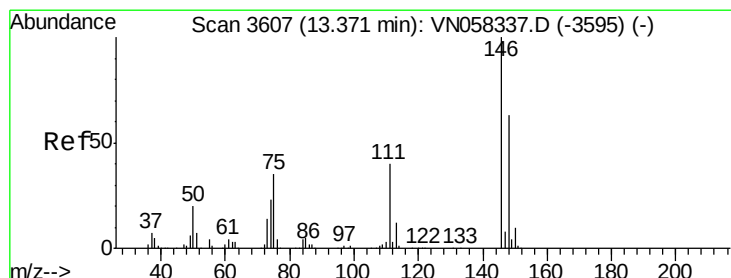
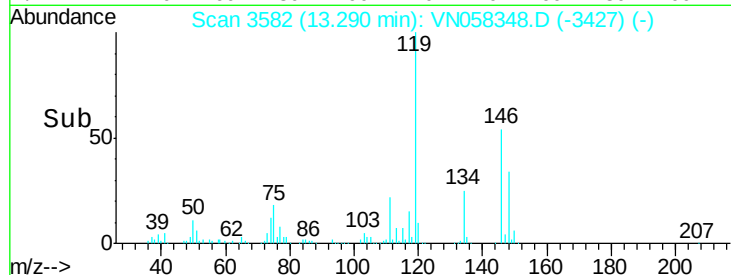
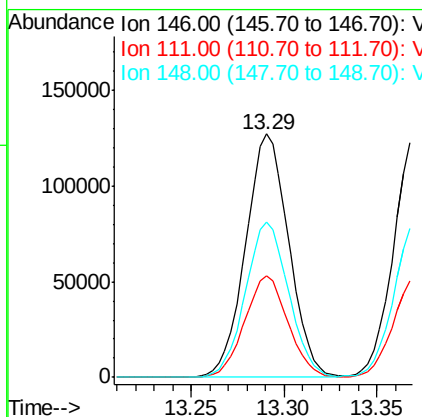
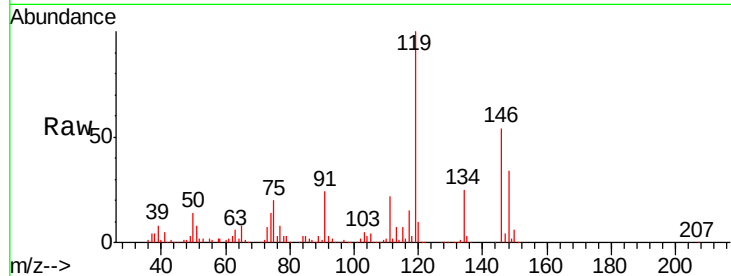




#83
 1,3-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

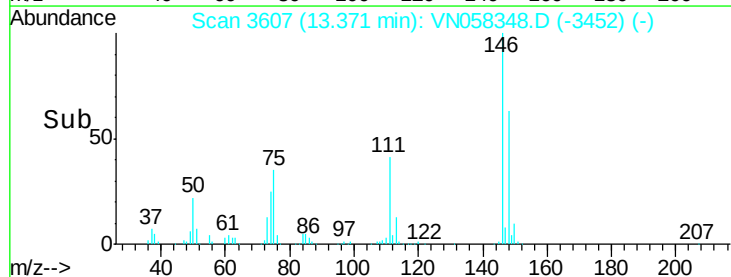
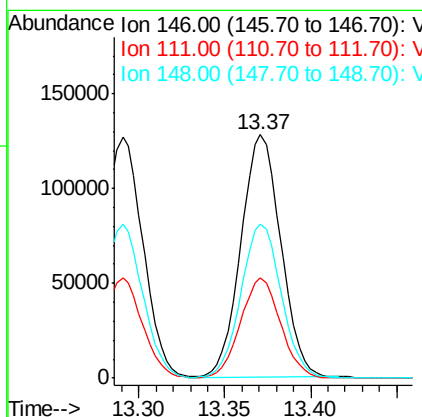
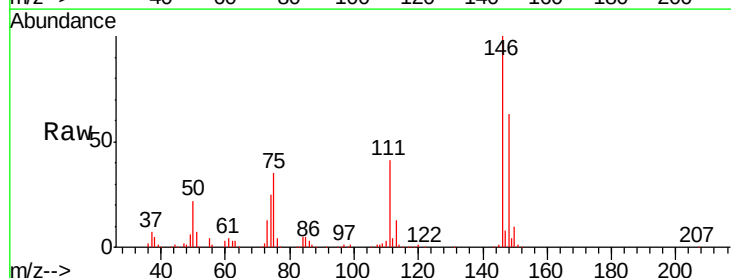
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

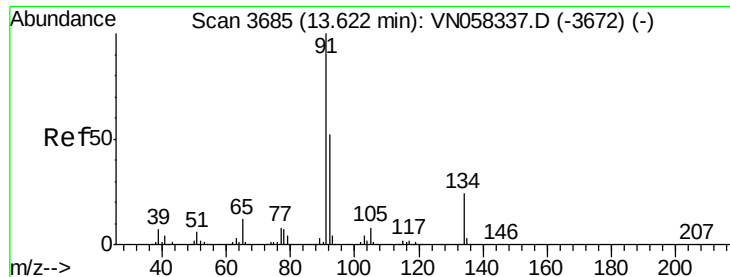
Tgt Ion:146 Resp: 205905
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.8
 148 63.6 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion:146 Resp: 206406
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.3
 148 63.7 31.9 95.7





#85

n-Butylbenzene

Concen: 19.810 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058348.D

Acq: 24 Sep 2019 16:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

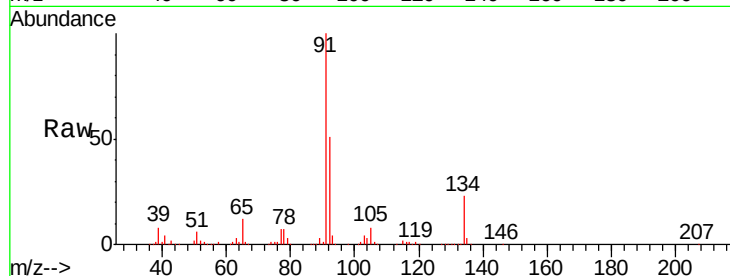
Tgt Ion: 91 Resp: 394691

Ion Ratio Lower Upper

91 100

92 50.7 0.0 102.6

134 23.7 0.0 47.8

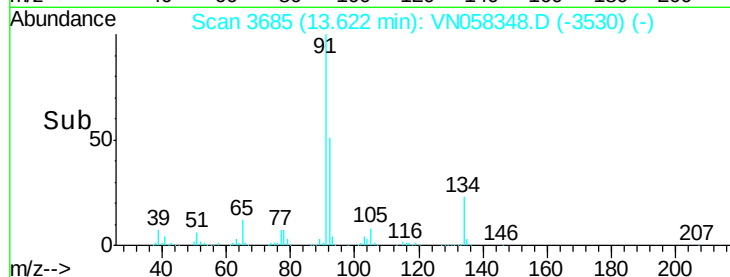


Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058337.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058337.D (-3672) (-)

Time-->

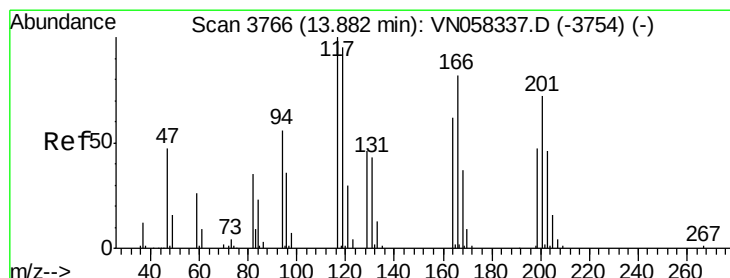


Abundance Ion 91.00 (90.70 to 91.70): VN058348.D (-3530) (-)

Ion 92.00 (91.70 to 92.70): VN058348.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN058348.D (-3530) (-)

Time-->



#86

Hexachloroethane

Concen: 18.477 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058348.D

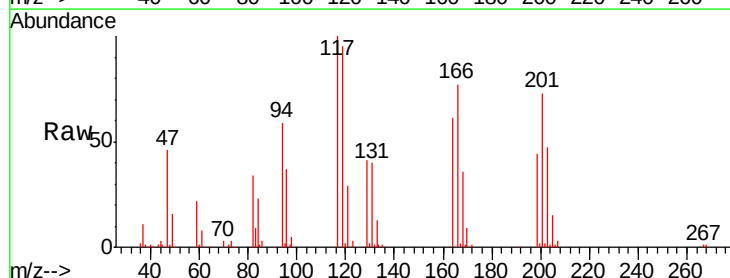
Acq: 24 Sep 2019 16:09

Tgt Ion: 117 Resp: 64001

Ion Ratio Lower Upper

117 100

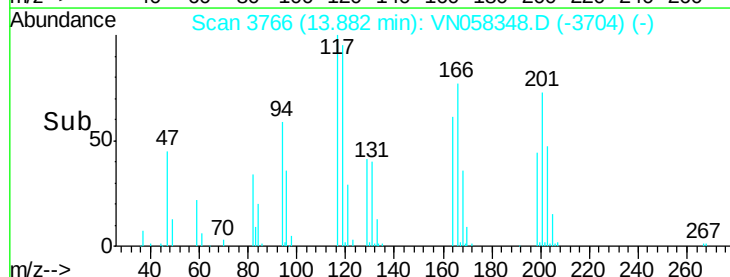
201 74.7 37.2 111.6



Abundance Ion 117.00 (116.70 to 117.70): VN058337.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN058337.D (-3754) (-)

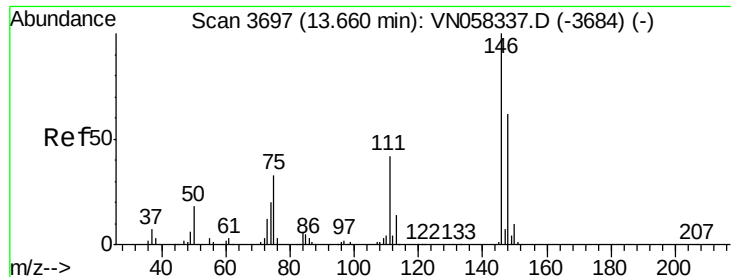
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN058348.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN058348.D (-3704) (-)

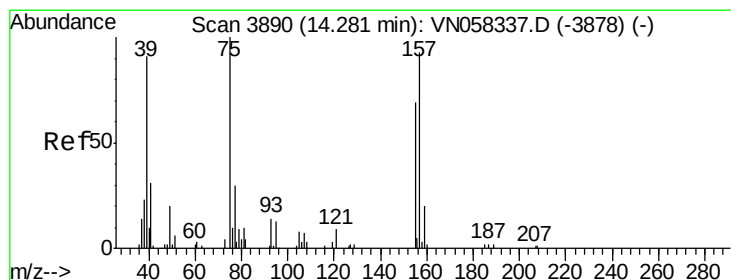
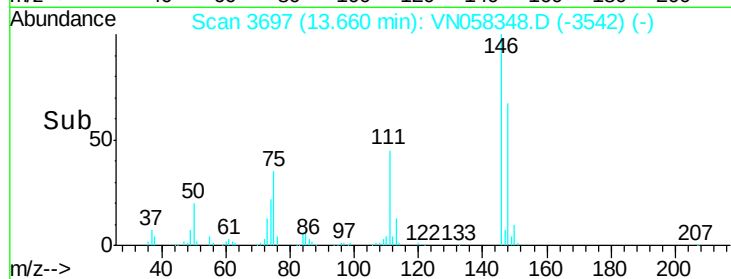
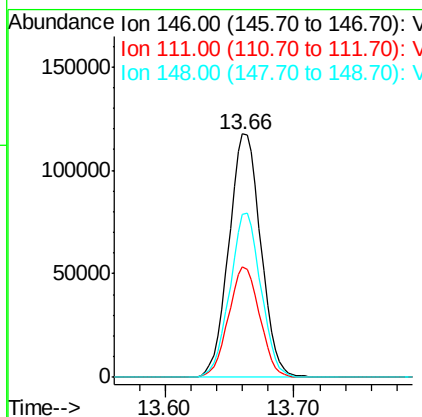
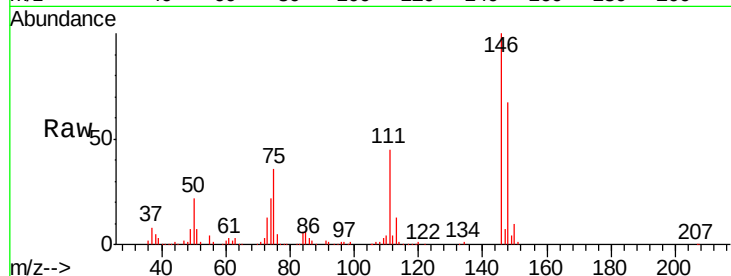
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 19.005 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

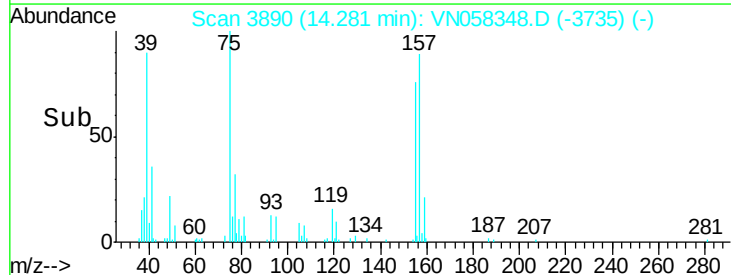
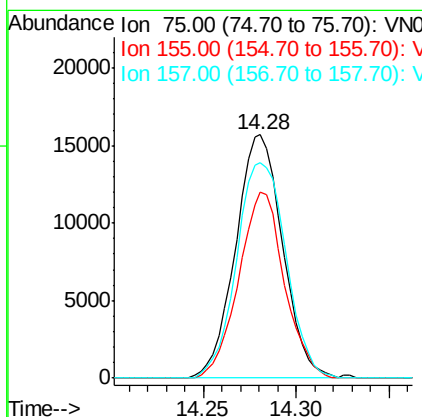
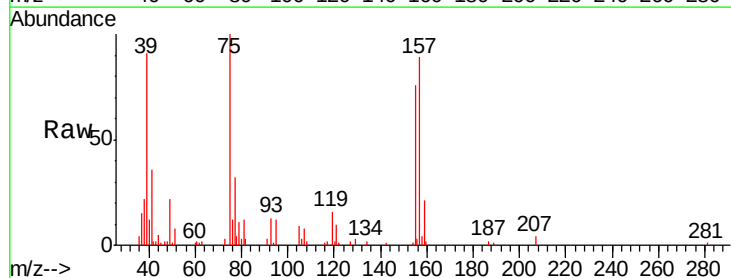
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

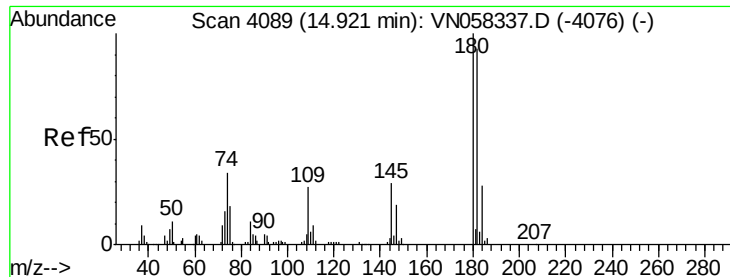
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.1	63.3
148	65.6	31.9	95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.260 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	58.5	87.7
157	93.3	75.4	113.2

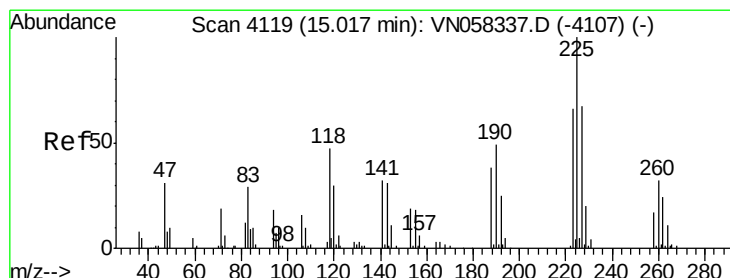
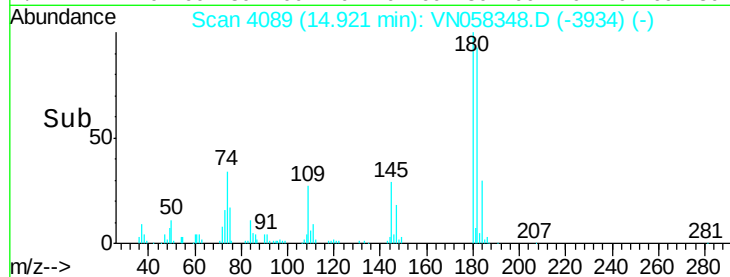
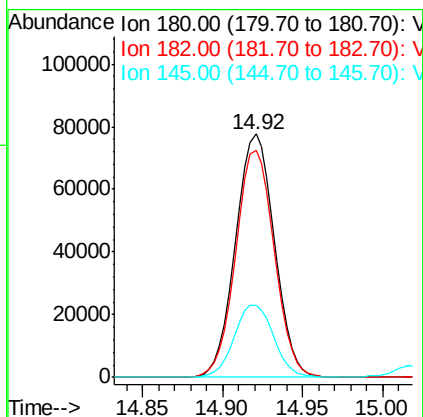
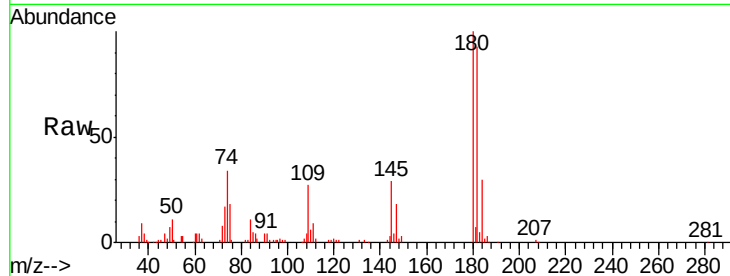




#89
 1,2,4-Trichlorobenzene
 Concen: 18.514 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

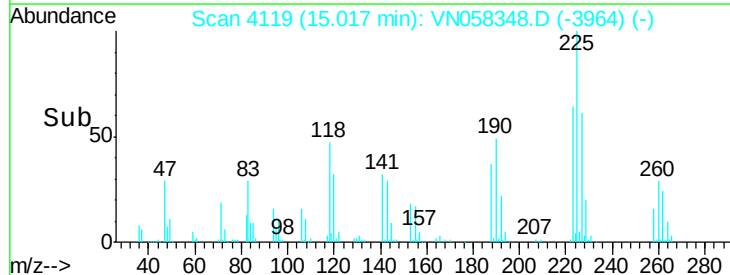
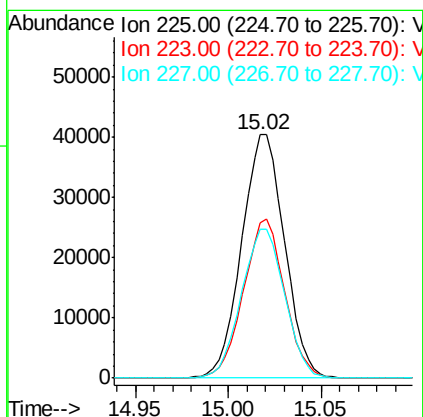
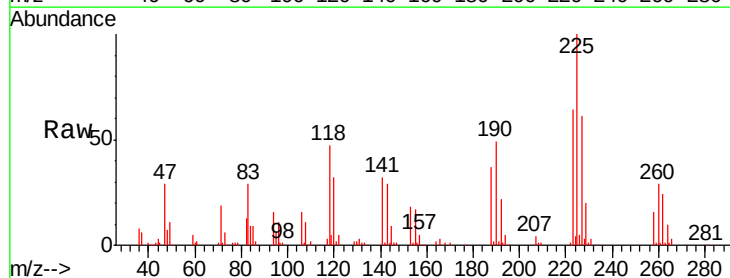
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

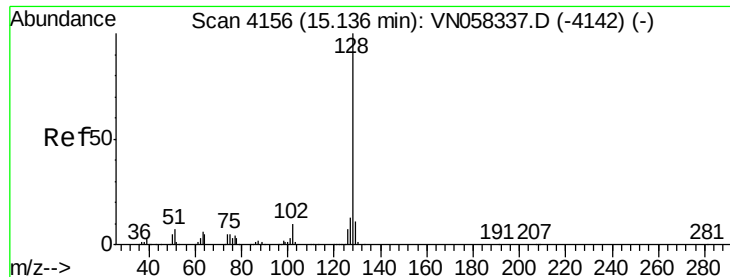
Tgt Ion:180 Resp: 128541
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.2 112.8
 145 30.2 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 19.318 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058348.D
 Acq: 24 Sep 2019 16:09

Tgt Ion:225 Resp: 64894
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 132.6
 227 61.5 0.0 129.2

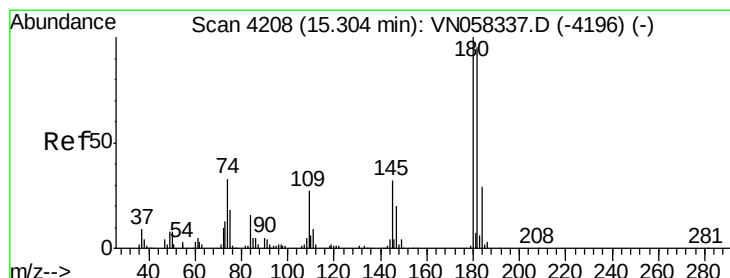
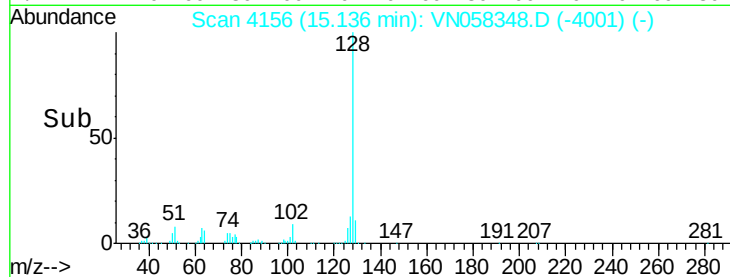
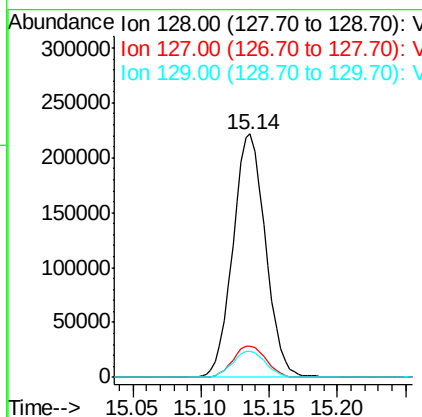
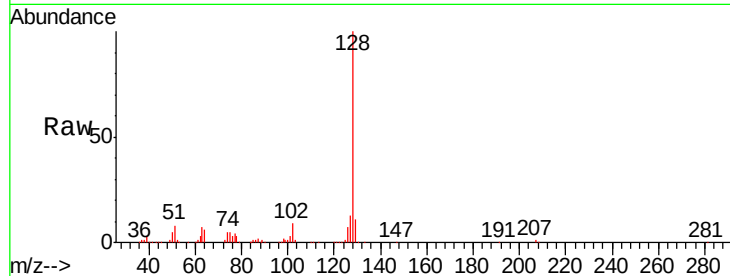




#91
Naphthalene
Concen: 19.290 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 367789
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.9 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 17.802 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058348.D
Acq: 24 Sep 2019 16:09

Tgt Ion:180 Resp: 118705
Ion Ratio Lower Upper
180 100
182 98.2 0.0 189.4
145 32.6 0.0 64.0

