

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058343.D
 Acq On : 24 Sep 2019 13:43
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Quant Time: Sep 25 01:40:32 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	86757	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	508740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	456386	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	229820	29.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.90%
60) 4-Bromofluorobenzene	12.41	95	234203	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	655201	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	107989	20.699	ug/l 99
3) Chloromethane	2.04	50	125024	20.754	ug/l 99
4) Vinyl Chloride	2.17	62	122586	20.393	ug/l 95
5) Bromomethane	2.55	94	63526	19.463	ug/l 99
6) Chloroethane	2.69	64	74352	20.930	ug/l 95
7) Trichlorofluoromethane	3.00	101	145335	20.534	ug/l 100
8) Diethyl Ether	3.39	74	64700	20.563	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98428	20.203	ug/l 98
10) 1,1-Dichloroethene	3.71	96	95687	20.091	ug/l 99
11) Methyl Iodide	3.93	142	96928	19.850	ug/l 100
12) Methyl Acetate	4.30	43	129881	20.475	ug/l 99
13) Acrolein	3.59	56	25872	143.433	ug/l 96
14) Acrylonitrile	4.96	53	268138	102.374	ug/l 99
15) Acetone	3.79	58	85146	117.243	ug/l 93
16) Carbon Disulfide	4.03	76	256888	19.409	ug/l 100
17) Allyl chloride	4.30	41	166766	18.746	ug/l 93
18) Methylene Chloride	4.53	84	116457	20.728	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	108508	20.322	ug/l 95
20) Diisopropyl ether	5.93	45	384260	20.271	ug/l 98
21) 1,1-Dichloroethane	5.82	63	219623	20.704	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	125813	20.286	ug/l 99
23) tert-Butyl Alcohol	4.75	59	95413	98.679	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	353319	20.667	ug/l 99
25) Chloroform	7.35	83	217642	20.263	ug/l 100
26) Cyclohexane	7.63	56	195930	19.762	ug/l 99
29) 1,1-Dichloropropene	7.78	75	167800	20.207	ug/l 98
30) 2-Butanone	6.81	43	404623	107.308	ug/l 99
31) 2,2-Dichloropropane	6.81	77	177027	20.706	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	182128	20.334	ug/l 99
33) Carbon Tetrachloride	7.76	117	150425	19.767	ug/l 95
34) Benzene	8.03	78	481507	20.440	ug/l 99
35) Methacrylonitrile	7.16	41	67384	20.777	ug/l 93
36) 1,2-Dichloroethane	8.11	62	186967	20.260	ug/l 100
37) Trichloroethene	8.82	130	119548	20.271	ug/l 94
38) Methylcyclohexane	9.07	83	199979	19.915	ug/l 98
39) 1,2-Dichloropropane	9.11	63	129697	20.184	ug/l 96
40) Dibromomethane	9.20	93	82821	20.422	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	157340	19.628	ug/l	99
42) Vinyl Acetate	5.87	43	1610285	111.849	ug/l	100
43) Ethyl Acetate	6.91	43	152412	20.358	ug/l	99
44) Isopropyl Acetate	8.15	43	265392	19.802	ug/l	96
45) 1,4-Dioxane	9.19	88	43326	383.206	ug/l	96
46) Methyl methacrylate	9.19	41	125154	19.705	ug/l	95
47) n-amyl Acetate	12.08	43	225887	19.364	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	170173	19.428	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	195285	20.024	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	113664	20.054	ug/l	96
51) Ethyl methacrylate	10.43	69	176985	19.736	ug/l	98
52) 1,3-Dichloropropane	10.71	76	202788	20.145	ug/l	99
53) Dibromochloromethane	10.90	129	108498	19.054	ug/l	98
54) 1,2-Dibromoethane	11.00	107	115597	19.985	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	390324	102.793	ug/l	99
56) Bromoform	12.13	173	67975	18.926	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	794248	111.067	ug/l	99
59) 2-Hexanone	10.75	43	594737	110.012	ug/l	100
61) Tetrachloroethene	10.63	164	95674	20.010	ug/l	98
62) Toluene	10.15	91	522832	20.917	ug/l	99
64) Chlorobenzene	11.44	112	313548	20.413	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	108778	20.202	ug/l	98
66) Ethyl Benzene	11.51	91	581370	21.331	ug/l	100
67) m/p-Xylenes	11.62	106	423940	40.515	ug/l	98
68) o-Xylene	11.95	106	203743	20.024	ug/l	97
69) Styrene	11.97	104	339552	19.956	ug/l	99
70) Isopropylbenzene	12.26	105	560023	21.239	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	168653	20.125	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	206206	28.611	ug/l	64
73) Bromobenzene	12.53	156	126712	19.841	ug/l	97
74) n-propylbenzene	12.60	91	660554	21.731	ug/l	100
75) 2-Chlorotoluene	12.68	91	387633	20.386	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	473360	20.850	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43786	18.625	ug/l	94
78) 4-Chlorotoluene	12.78	91	399005	20.475	ug/l	100
79) tert-butylbenzene	13.00	119	406337	20.671	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	475963	21.003	ug/l	100
81) sec-Butylbenzene	13.18	105	547676	21.242	ug/l	99
82) p-Isopropyltoluene	13.30	119	493187	21.242	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	235670	20.001	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	228821	19.512	ug/l	100
85) n-Butylbenzene	13.62	91	446283	20.689	ug/l	100
86) Hexachloroethane	13.88	117	71569	19.084	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	228429	19.854	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	30885	18.883	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	141198	18.784	ug/l	98
90) Hexachlorobutadiene	15.02	225	72033	19.805	ug/l	96
91) Naphthalene	15.14	128	395042	19.137	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	133570	18.502	ug/l	98

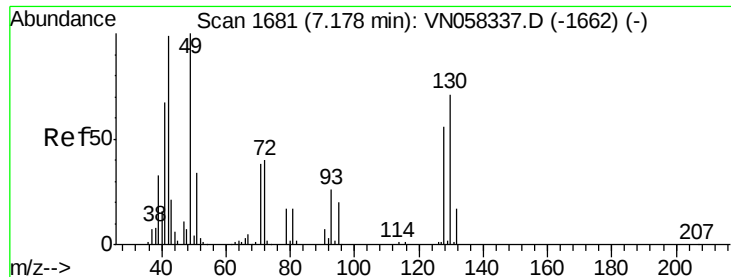
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058343.D

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Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

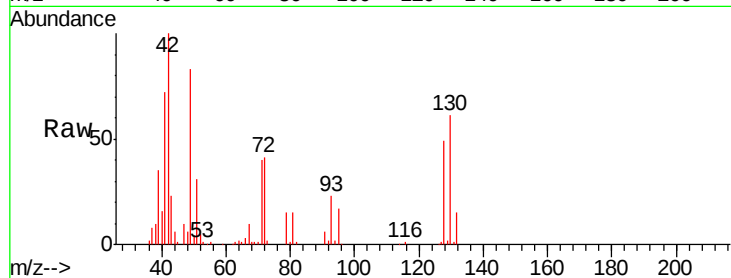
Tgt Ion:128 Resp: 86757

Ion Ratio Lower Upper

128 100

49 182.4 0.0 458.5

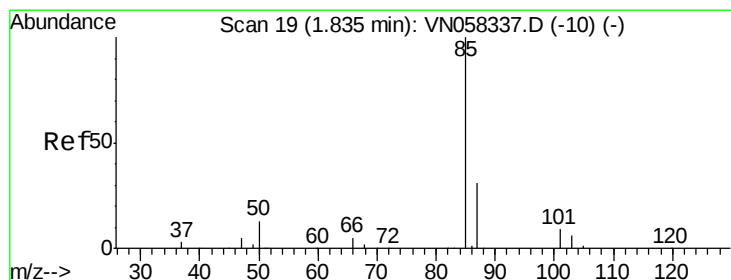
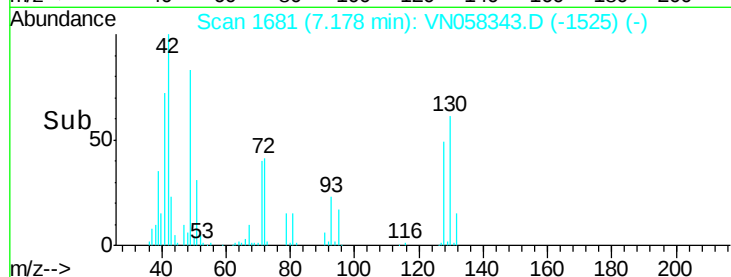
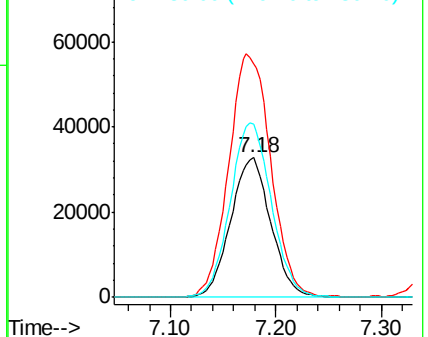
130 128.0 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.699 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058343.D

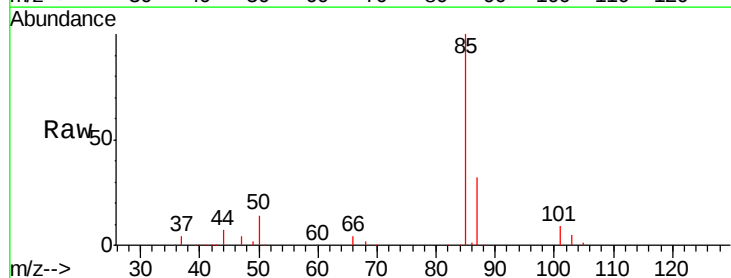
Acq: 24 Sep 2019 13:43

Tgt Ion: 85 Resp: 107989

Ion Ratio Lower Upper

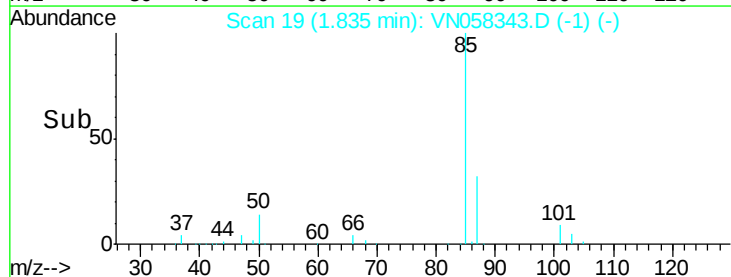
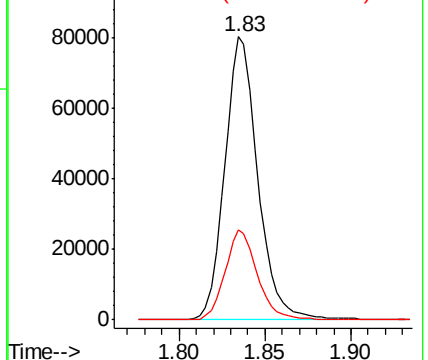
85 100

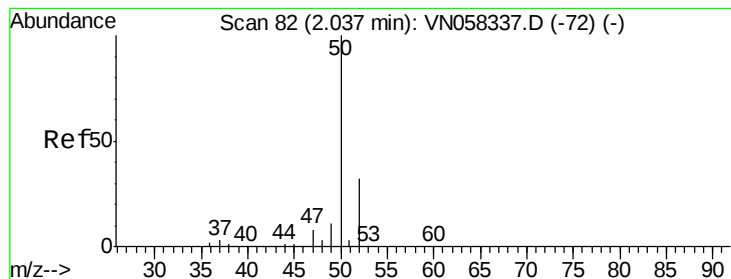
87 31.7 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.754 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

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ClientSampleId :

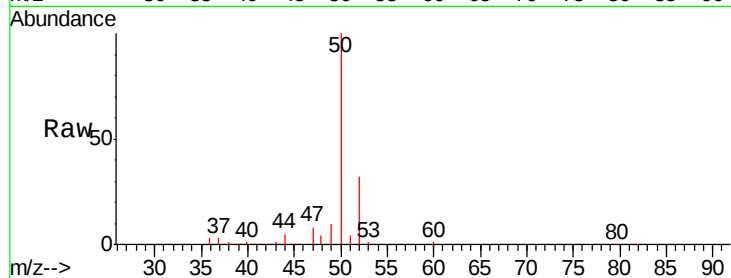
ICVVN092419

Tgt Ion: 50 Resp: 125024

Ion Ratio Lower Upper

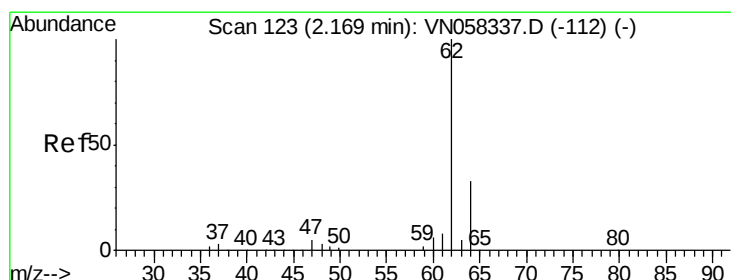
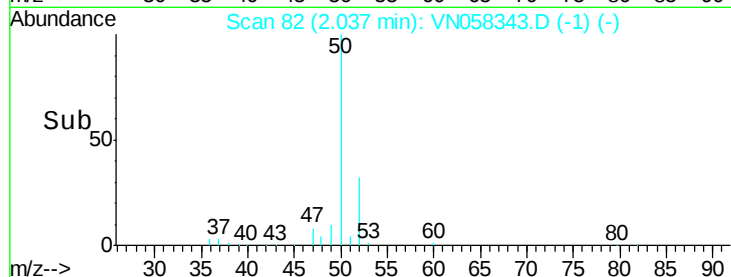
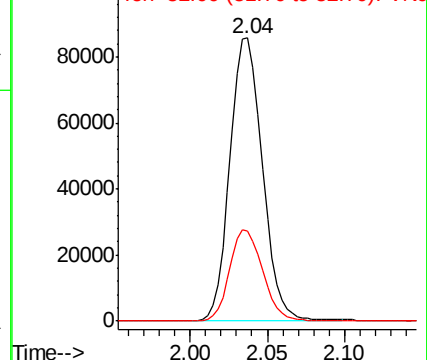
50 100

52 31.7 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.393 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058343.D

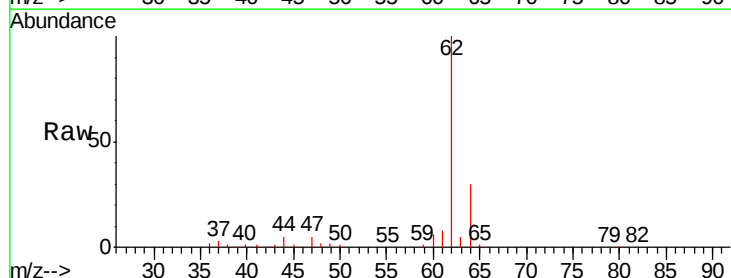
Acq: 24 Sep 2019 13:43

Tgt Ion: 62 Resp: 122586

Ion Ratio Lower Upper

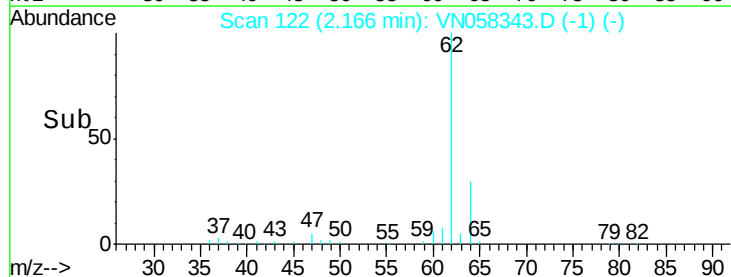
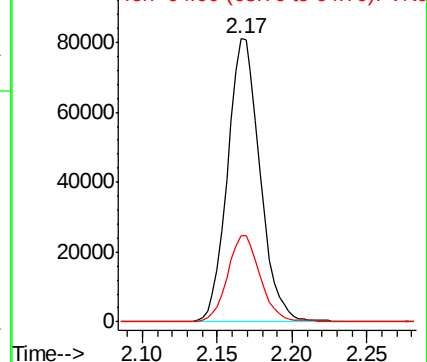
62 100

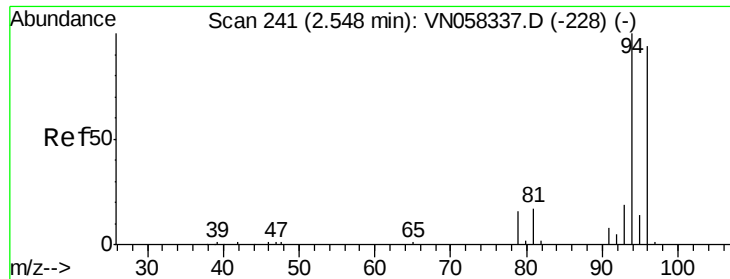
64 30.3 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

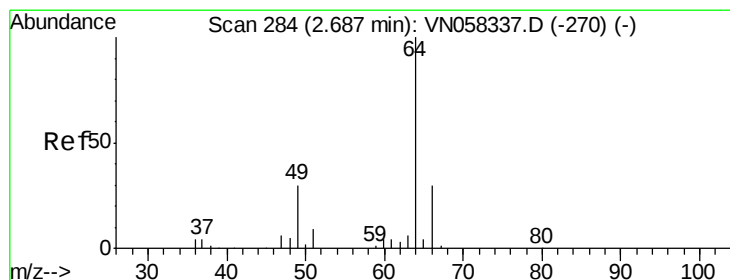
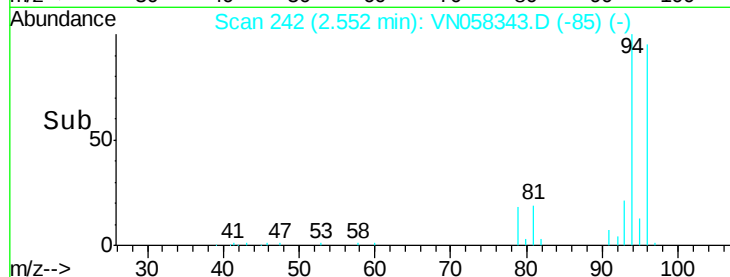
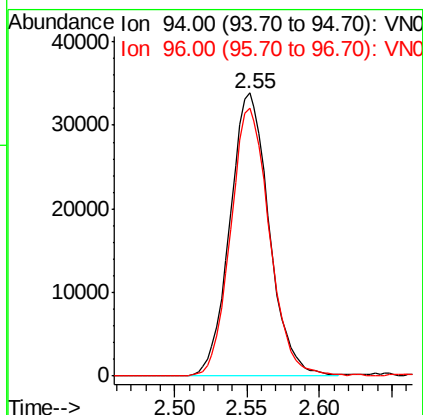
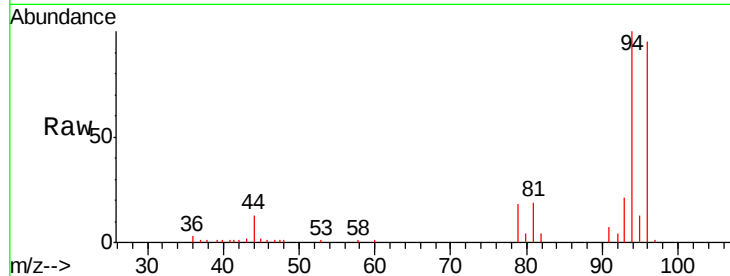




#5
Bromomethane
Concen: 19.463 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

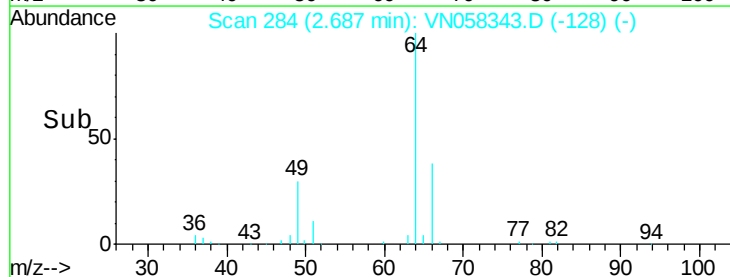
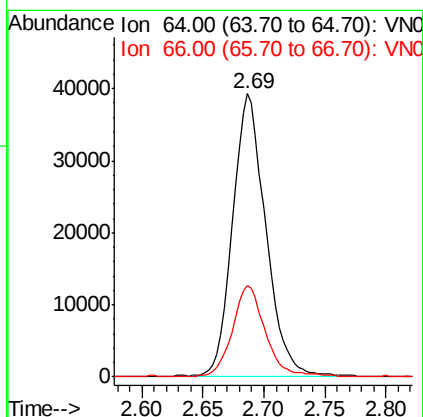
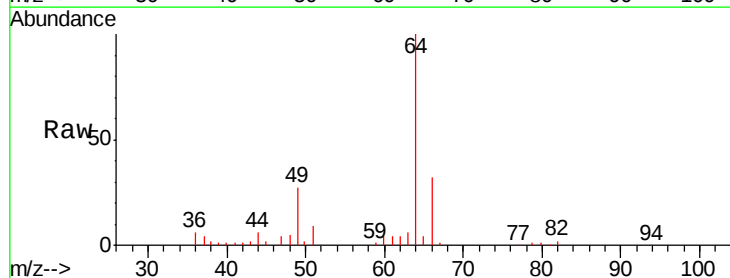
Instrument :
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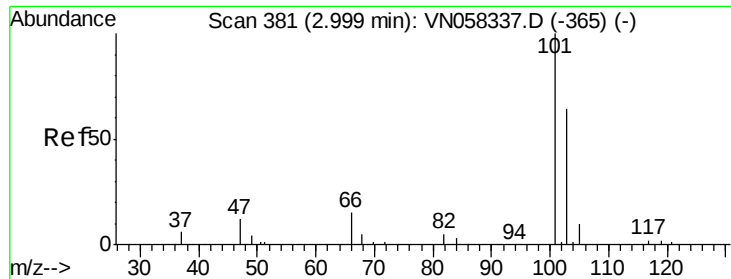
Tgt Ion: 94 Resp: 63526
Ion Ratio Lower Upper
94 100
96 94.8 74.8 112.2



#6
Chloroethane
Concen: 20.930 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 64 Resp: 74352
Ion Ratio Lower Upper
64 100
66 32.2 23.8 35.6



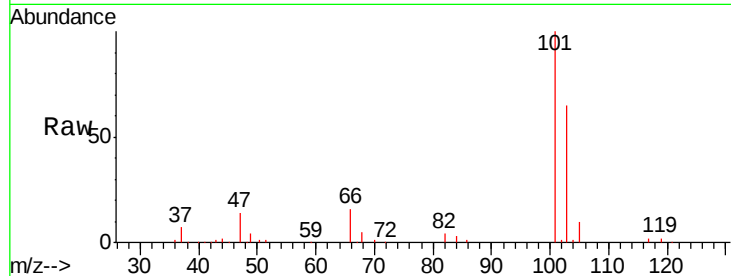


#7

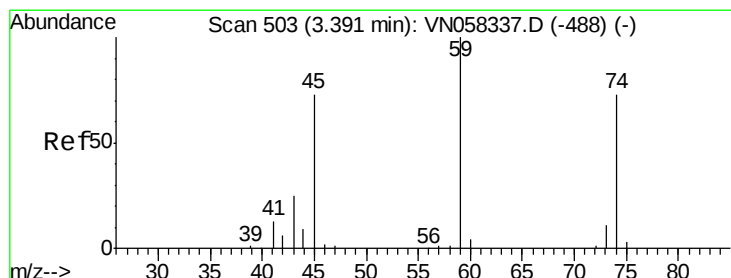
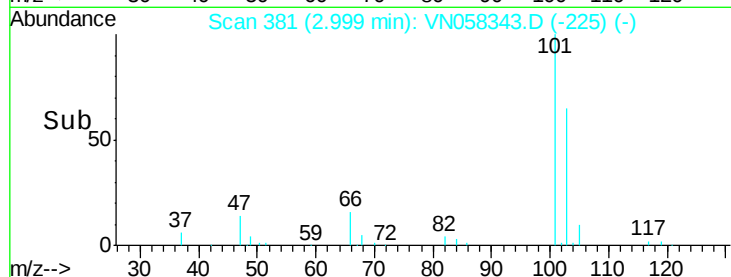
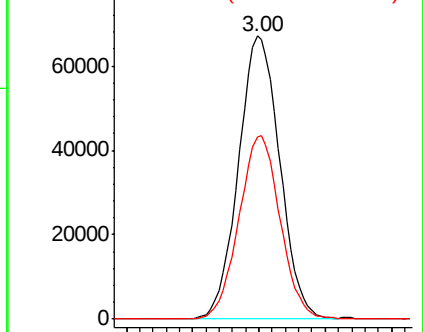
Trichlorofluoromethane
 Concen: 20.534 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
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Tgt Ion: 101 Resp: 145335
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3



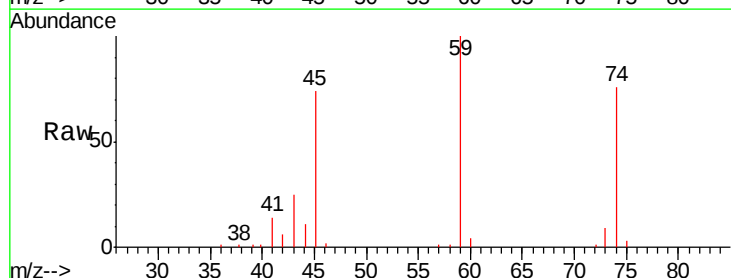
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



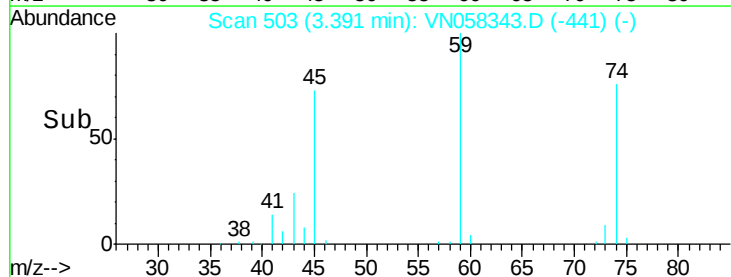
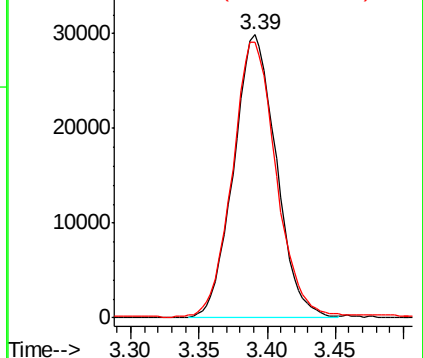
#8

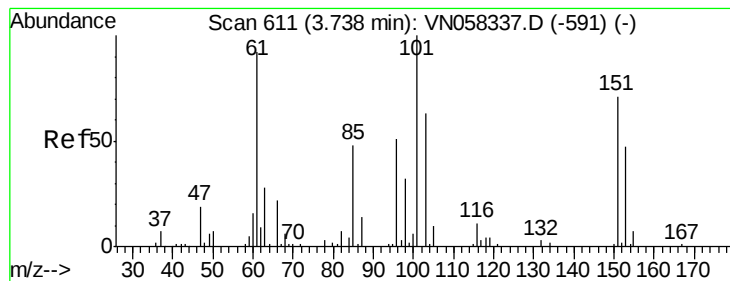
Diethyl Ether
 Concen: 20.563 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 74 Resp: 64700
 Ion Ratio Lower Upper
 74 100
 45 100.8 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: 20.203 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

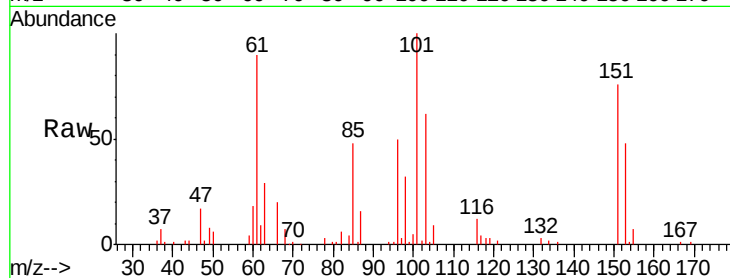
Tgt Ion:101 Resp: 98428

Ion Ratio Lower Upper

101 100

85 47.9 0.0 93.0

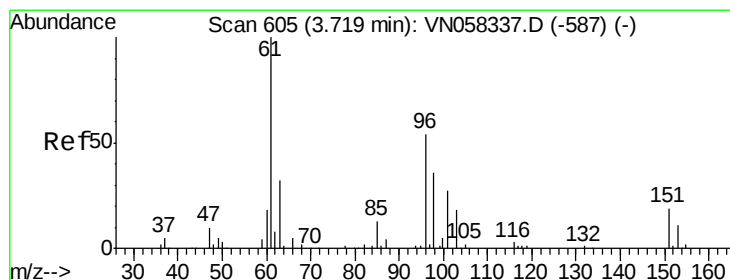
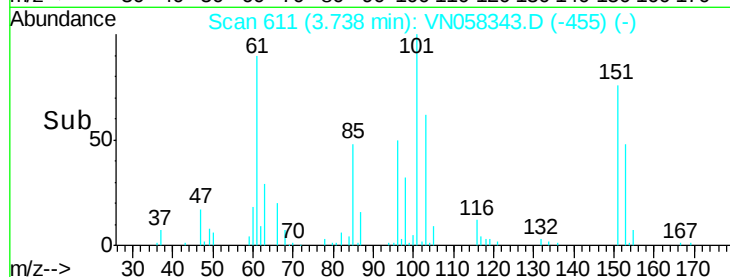
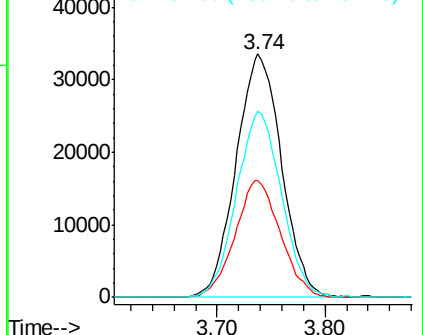
151 75.7 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.091 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

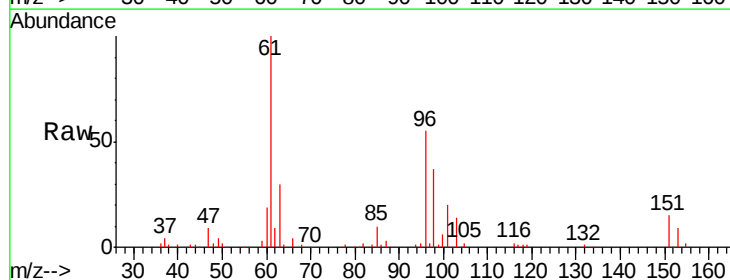
Tgt Ion: 96 Resp: 95687

Ion Ratio Lower Upper

96 100

61 182.9 146.9 220.3

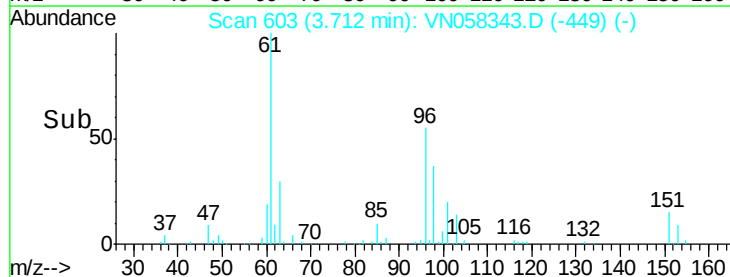
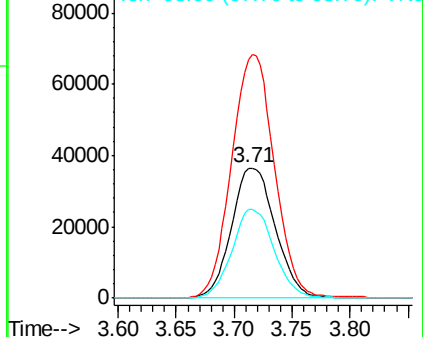
98 67.9 52.3 78.5

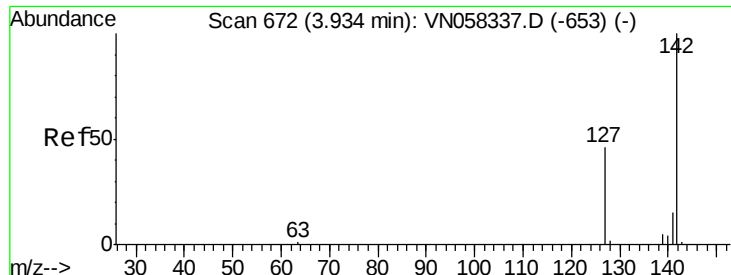


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

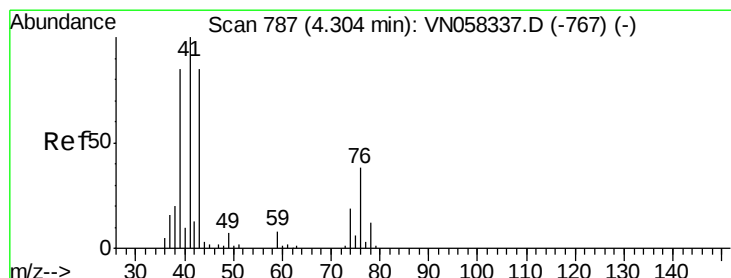
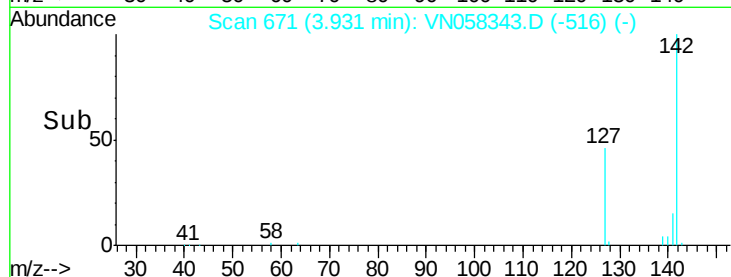
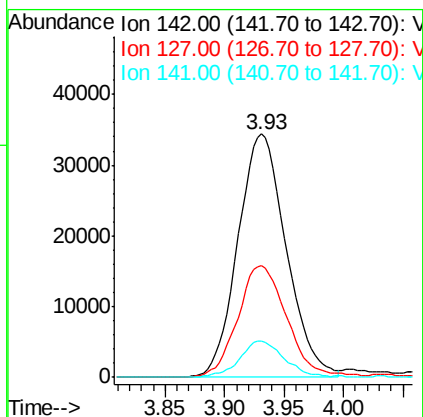
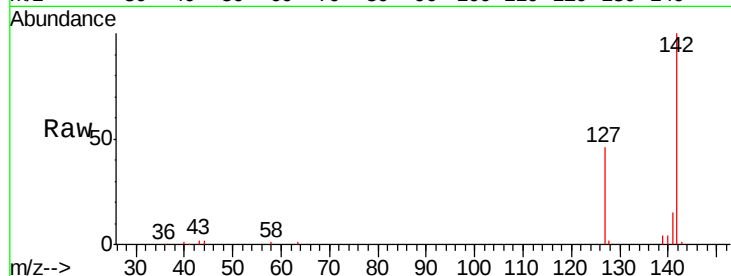




#11
Methyl Iodide
Concen: 19.850 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

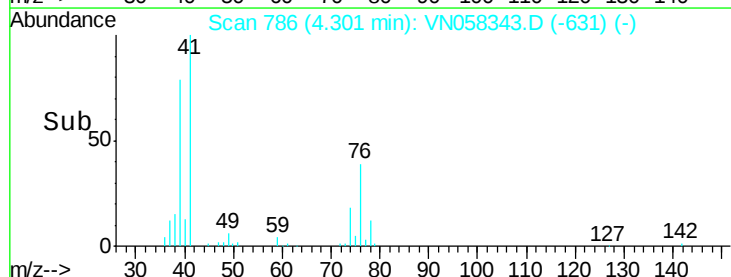
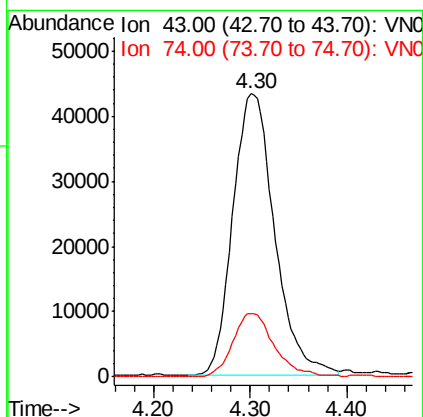
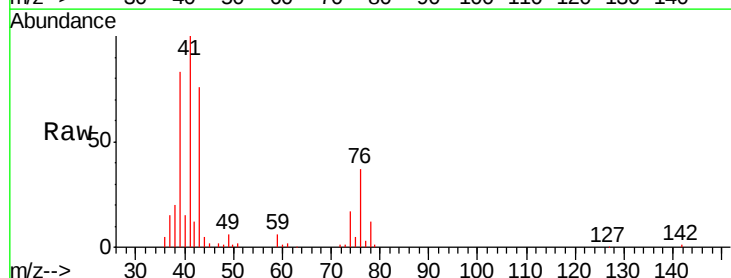
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

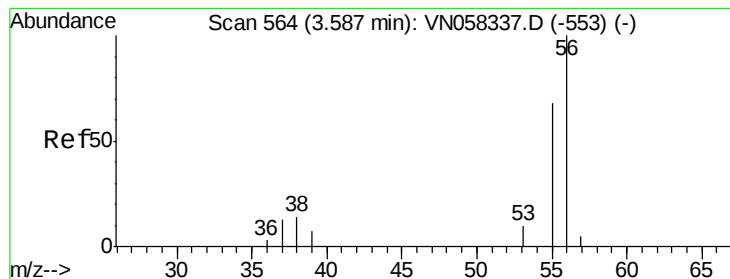
Tgt Ion:142 Resp: 96928
Ion Ratio Lower Upper
142 100
127 45.6 22.9 68.7
141 14.9 7.4 22.3



#12
Methyl Acetate
Concen: 20.475 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 129881
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.6





#13

Acrolein

Concen: 143.433 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

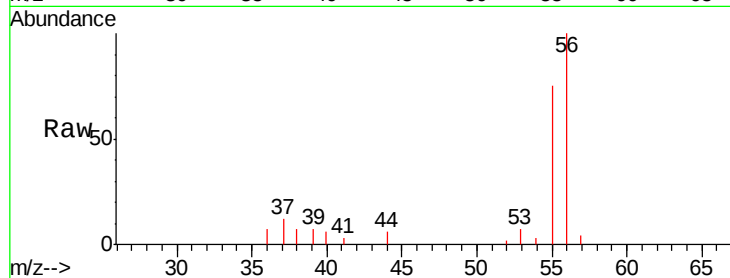
ICVVN092419

Tgt Ion: 56 Resp: 25872

Ion Ratio Lower Upper

56 100

55 76.0 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

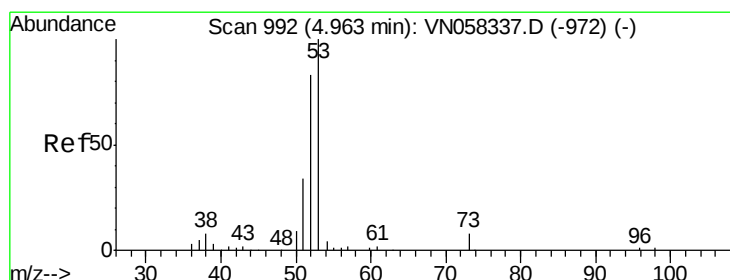
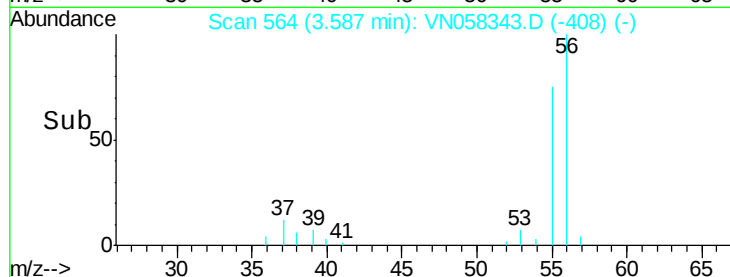
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 102.374 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

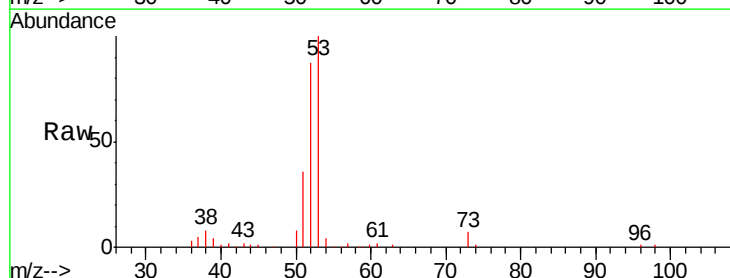
Tgt Ion: 53 Resp: 268138

Ion Ratio Lower Upper

53 100

52 83.4 41.3 123.7

51 36.4 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

100000

80000

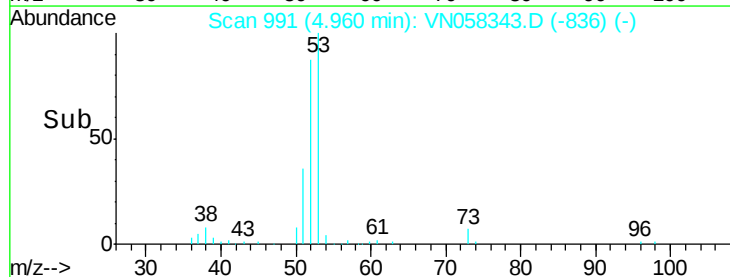
60000

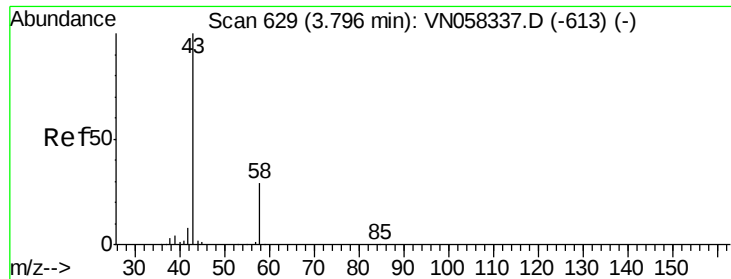
40000

20000

0

Time-->





#15

Acetone

Concen: 117.243 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

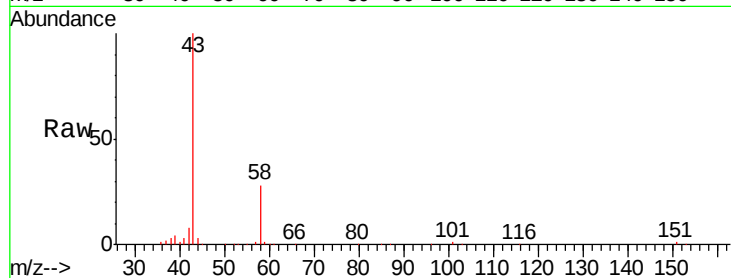
ICVVN092419

Tgt Ion: 58 Resp: 85146

Ion Ratio Lower Upper

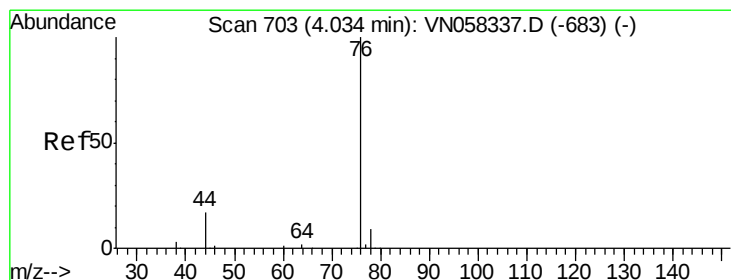
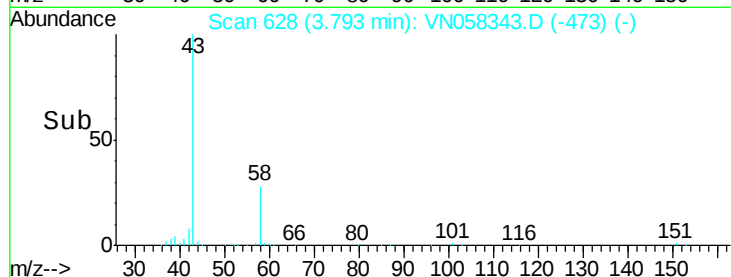
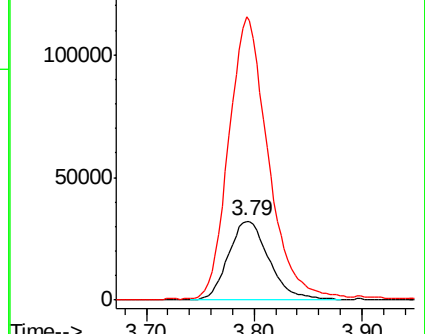
58 100

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: 19.409 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058343.D

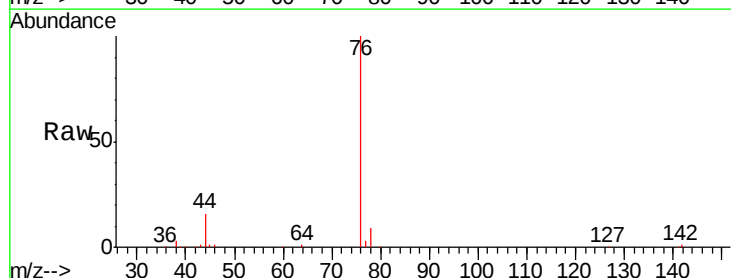
Acq: 24 Sep 2019 13:43

Tgt Ion: 76 Resp: 256888

Ion Ratio Lower Upper

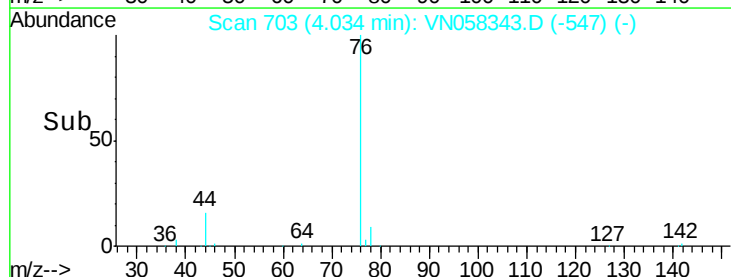
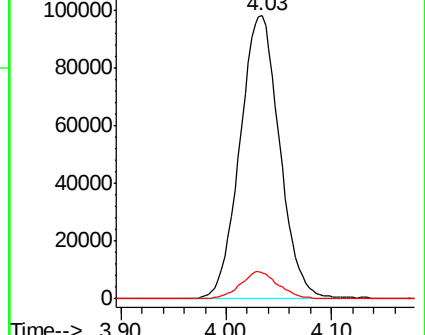
76 100

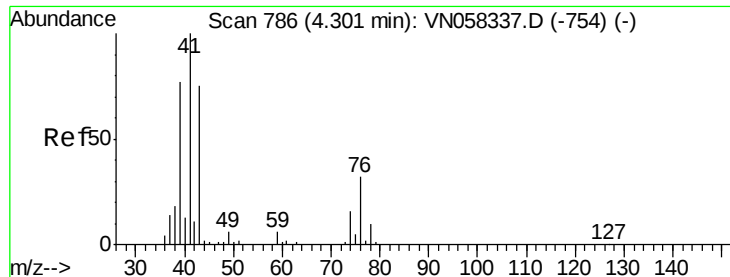
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

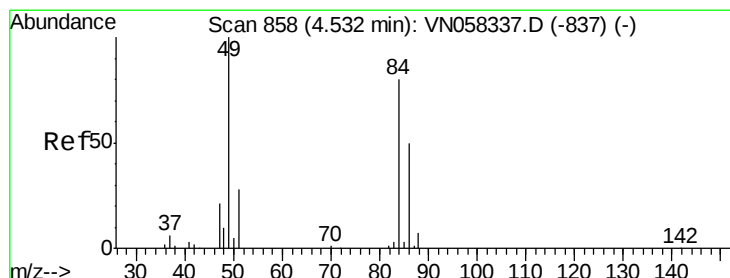
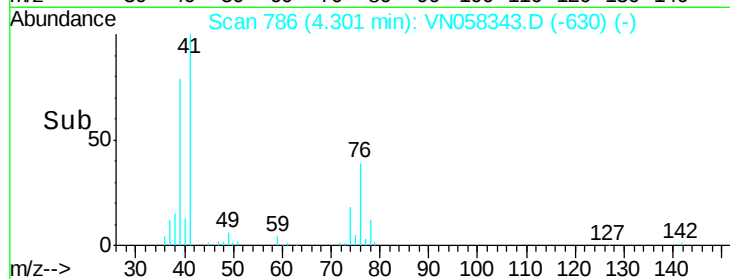
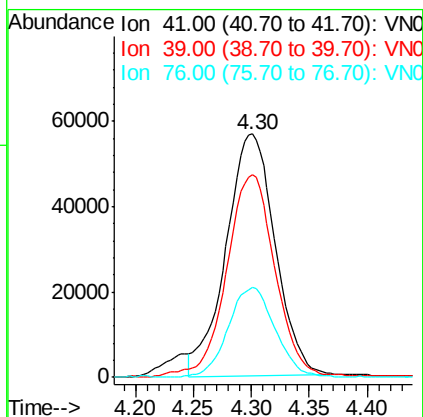
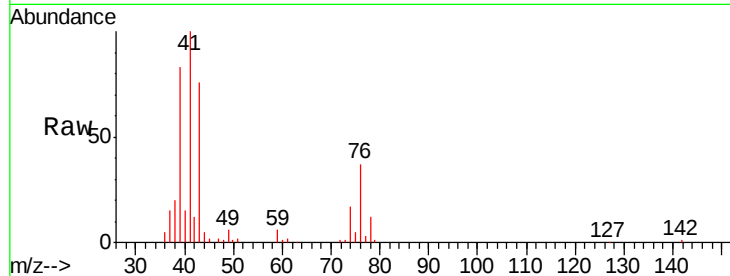




#17
 Allyl chloride
 Concen: 18.746 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

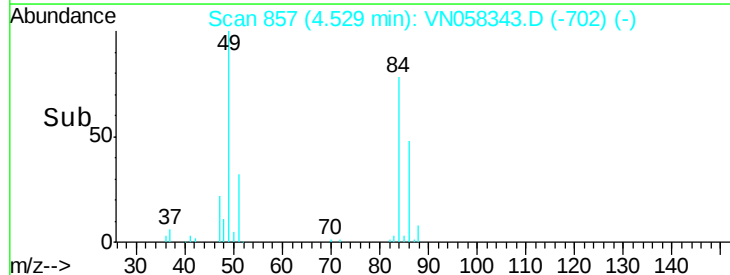
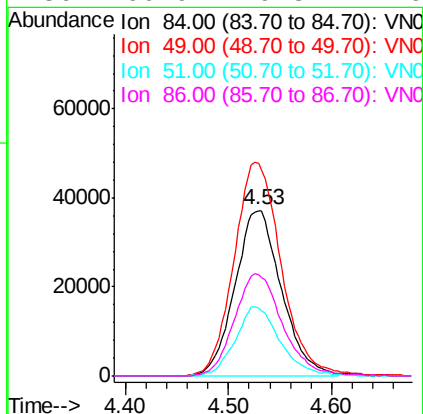
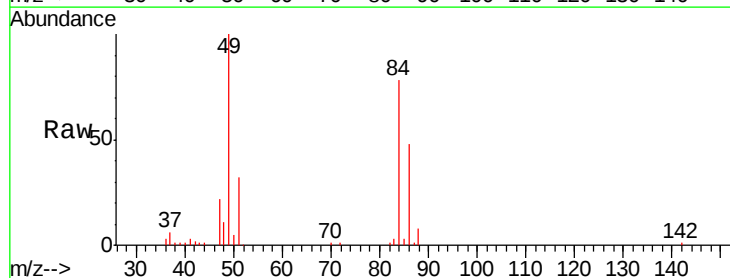
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

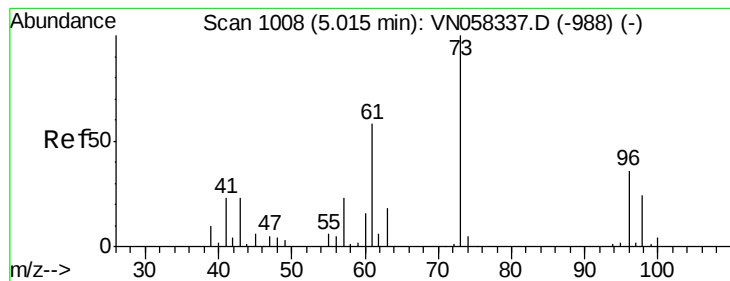
Tgt Ion:	41	Resp:	166766
Ion	Ratio	Lower	Upper
41	100		
39	83.2	38.7	116.1
76	37.3	16.4	49.1



#18
 Methylene Chloride
 Concen: 20.728 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:	84	Resp:	116457
Ion	Ratio	Lower	Upper
84	100		
49	127.4	99.8	149.6
51	41.0	28.3	42.5
86	60.9	49.8	74.6





#19

trans-1,2-Dichloroethene

Concen: 20.322 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

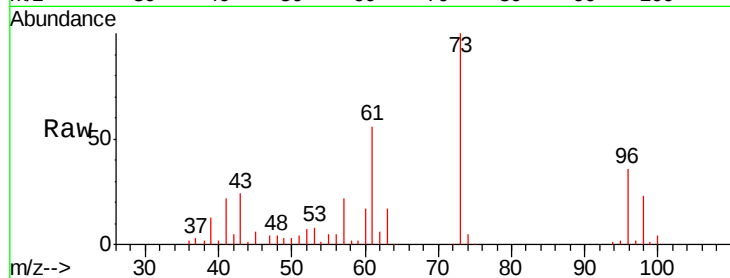
Tgt Ion: 96 Resp: 108508

Ion Ratio Lower Upper

96 100

61 153.8 128.0 192.0

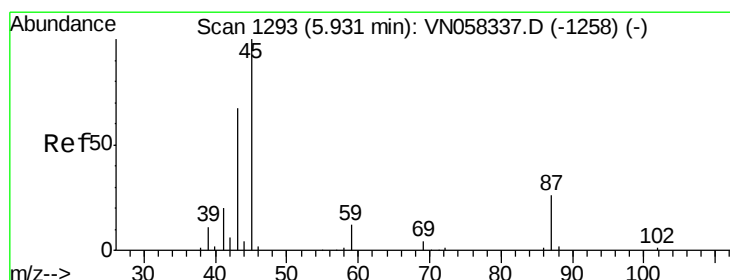
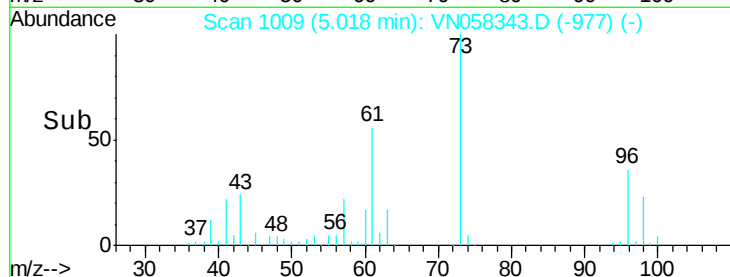
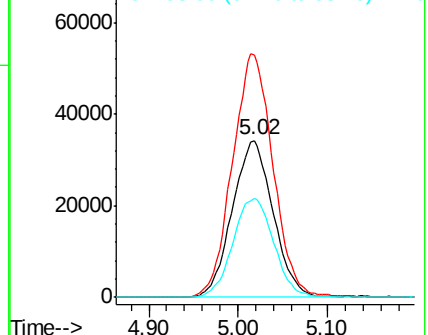
98 62.8 53.0 79.6



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: 20.271 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Tgt Ion: 45 Resp: 384260

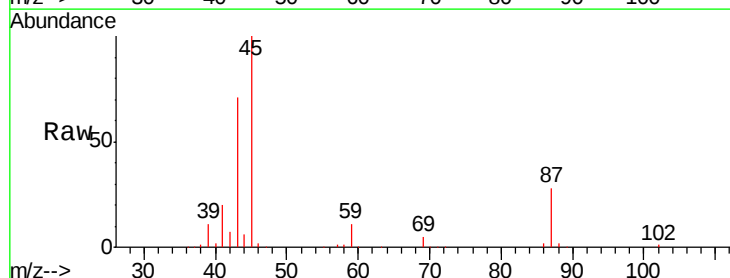
Ion Ratio Lower Upper

45 100

43 68.8 54.1 81.1

87 28.1 21.4 32.2

59 10.8 9.3 13.9

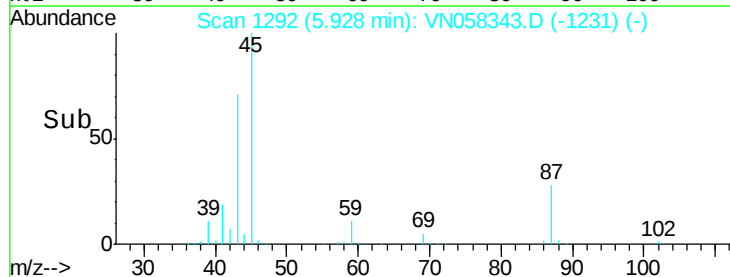
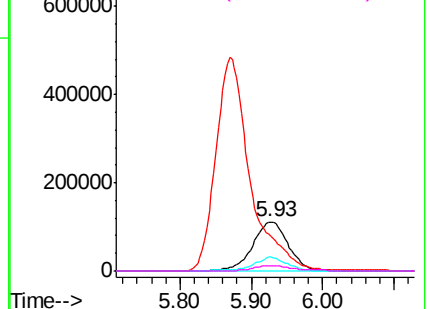


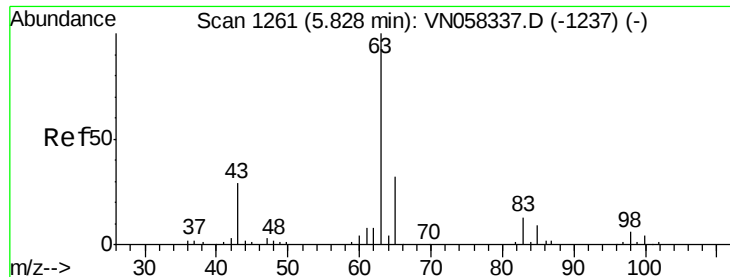
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

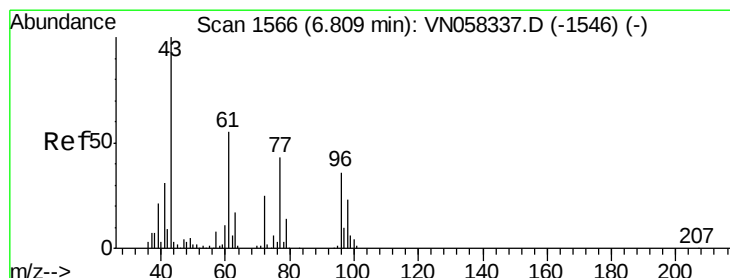
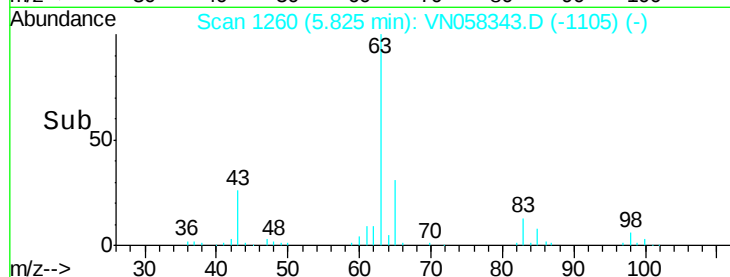
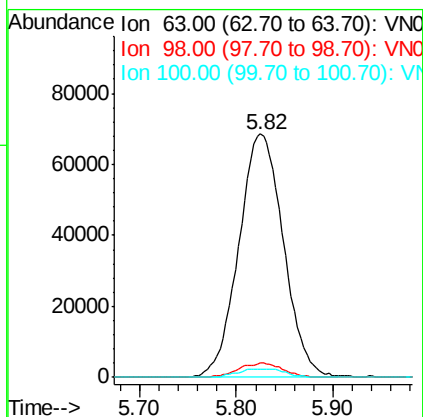
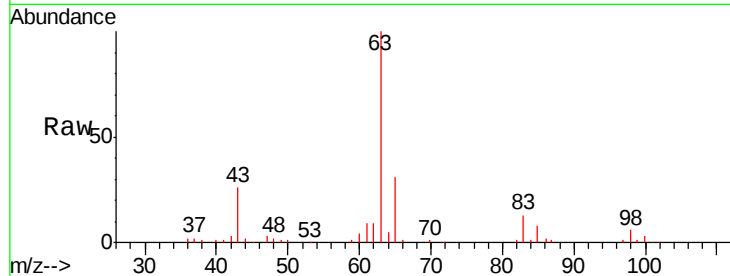




#21
 1,1-Dichloroethane
 Concen: 20.704 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

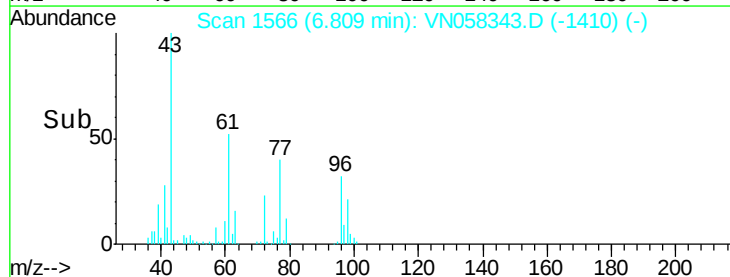
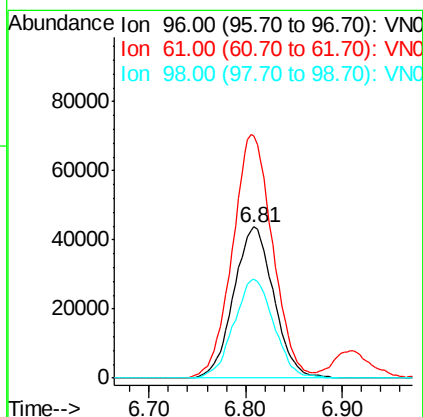
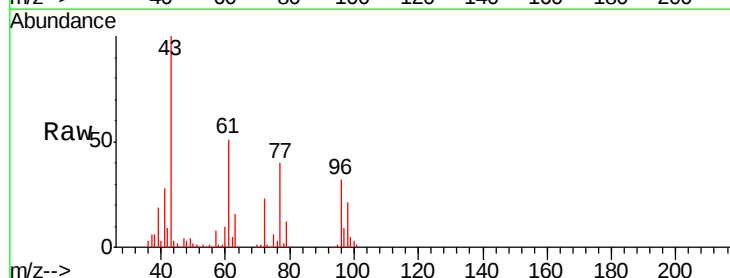
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

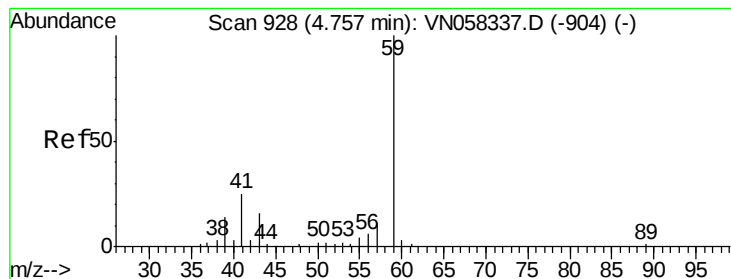
Tgt Ion: 63 Resp: 219623
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.3 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.286 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 96 Resp: 125813
 Ion Ratio Lower Upper
 96 100
 61 161.5 128.2 192.2
 98 65.4 50.6 76.0





#23

tert-Butyl Alcohol

Concen: 98.679 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

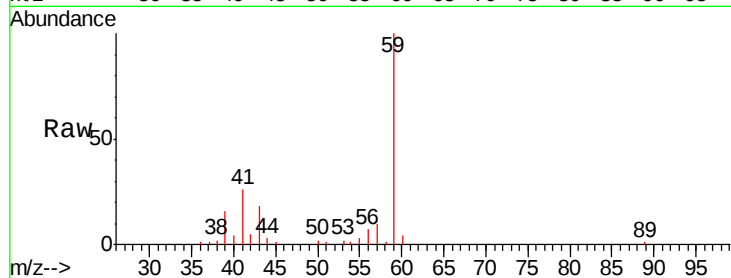
ICVVN092419

Tgt Ion: 59 Resp: 95413

Ion Ratio Lower Upper

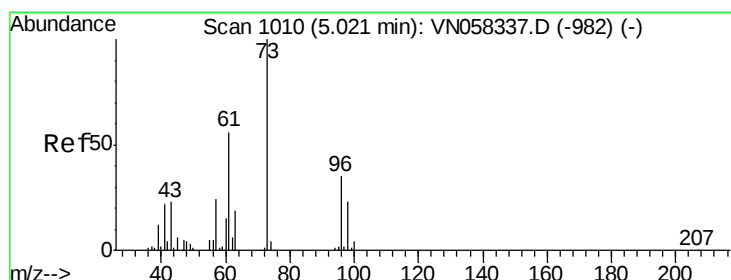
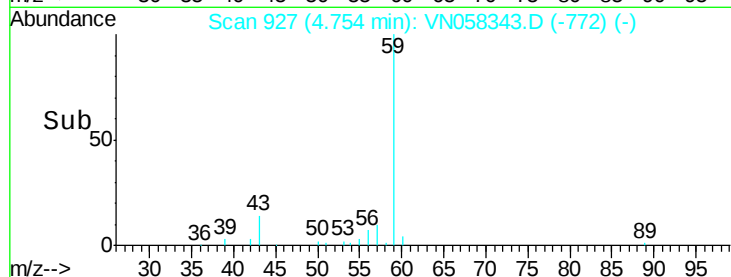
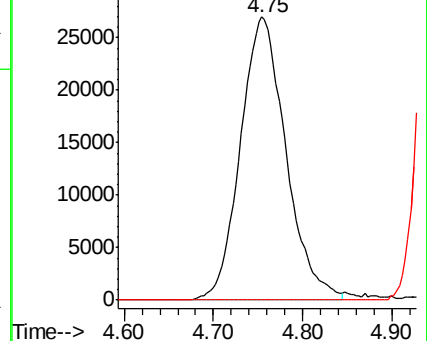
59 100

52 0.1 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 20.667 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN058343.D

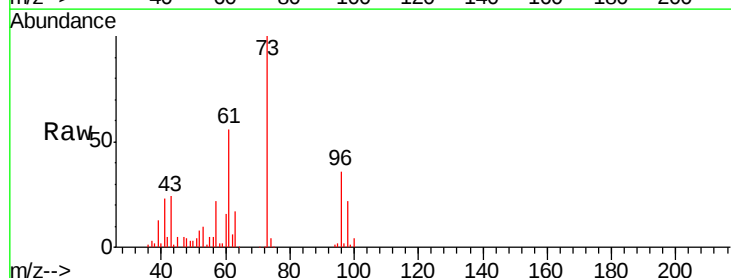
Acq: 24 Sep 2019 13:43

Tgt Ion: 73 Resp: 353319

Ion Ratio Lower Upper

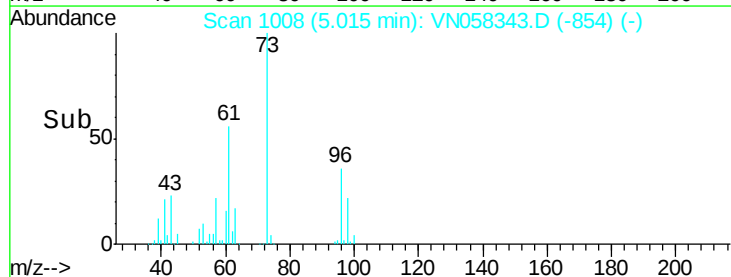
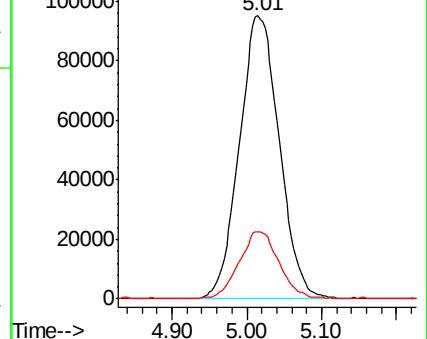
73 100

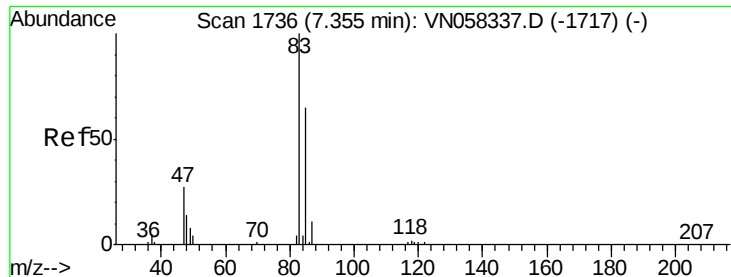
43 22.6 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 20.263 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

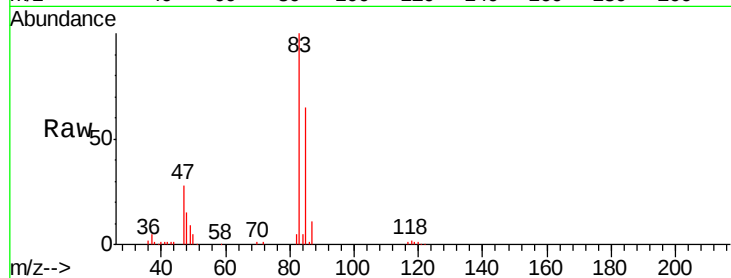
ICVVN092419

Tgt Ion: 83 Resp: 217642

Ion Ratio Lower Upper

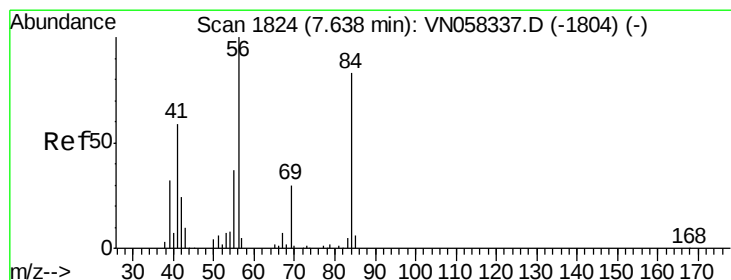
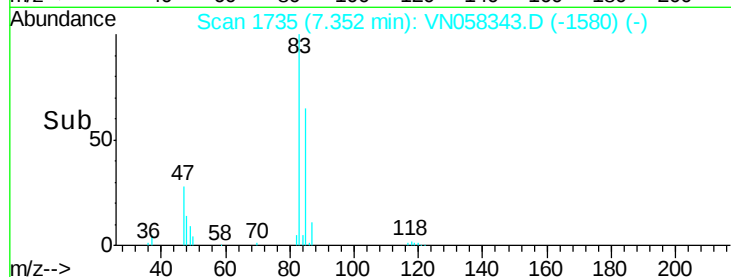
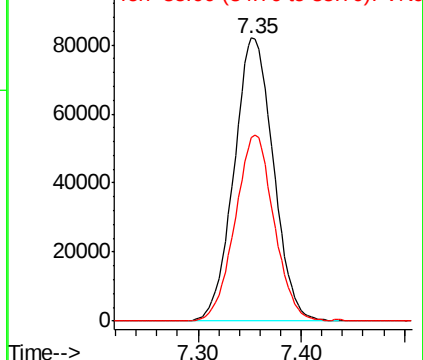
83 100

85 64.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 19.762 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

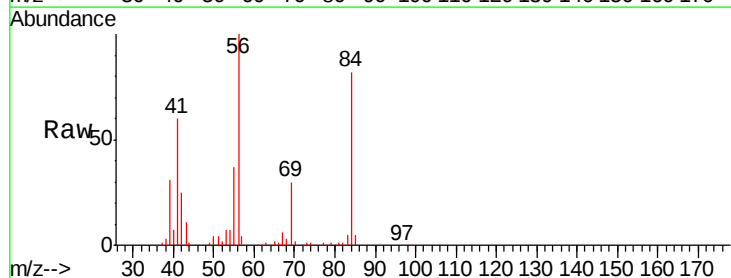
Tgt Ion: 56 Resp: 195930

Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

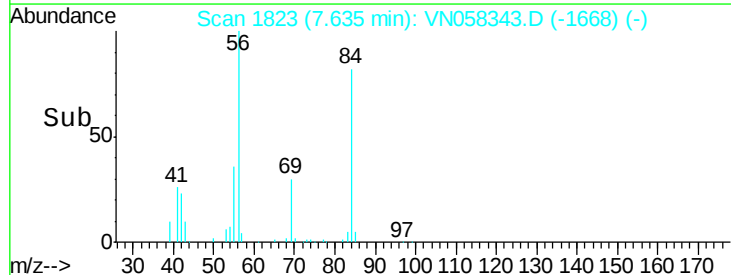
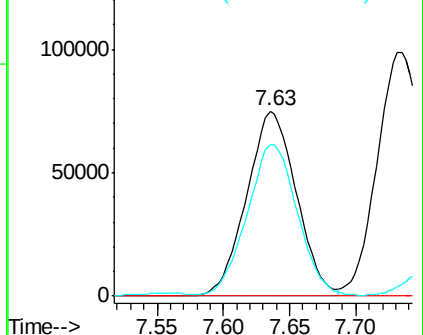
84 82.4 66.9 100.3

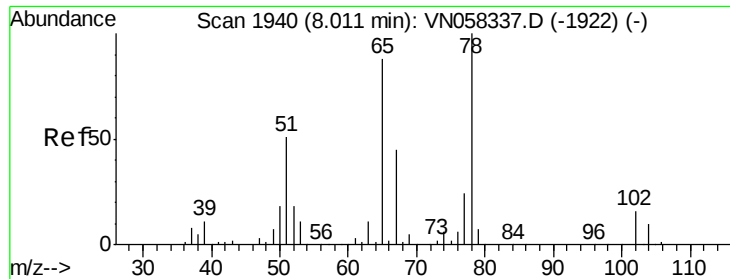


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

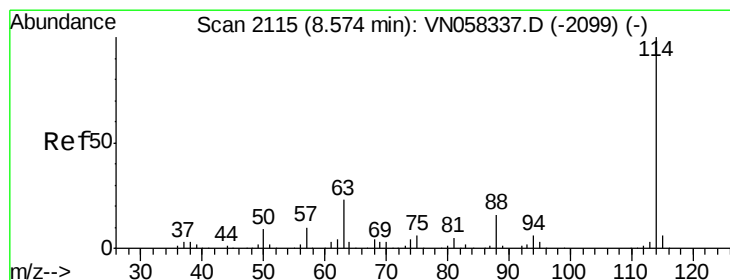
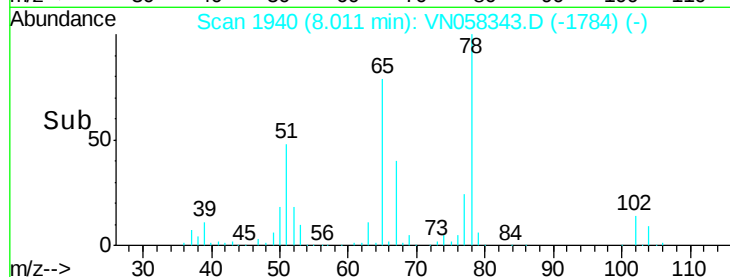
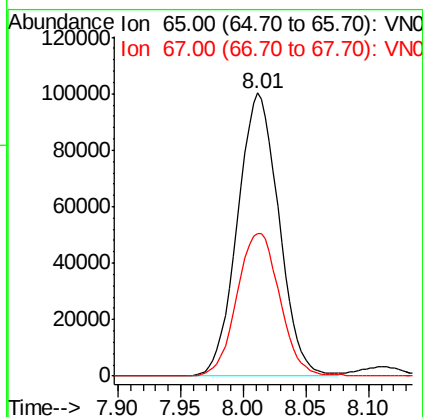
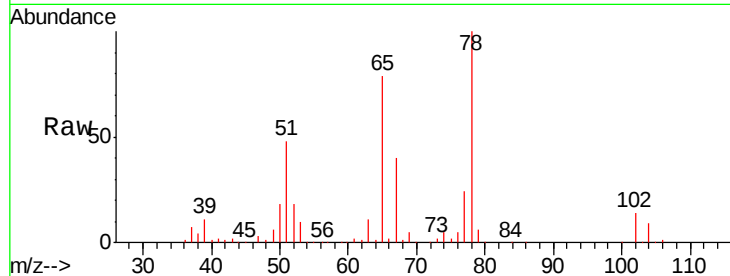




#27
 1,2-Dichloroethane-d4
 Concen: 29.967 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

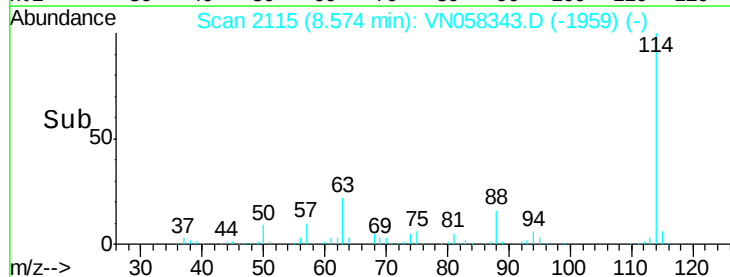
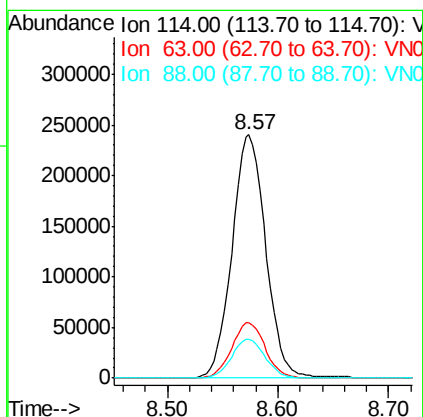
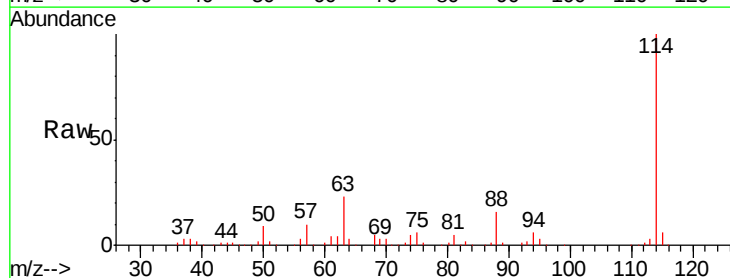
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

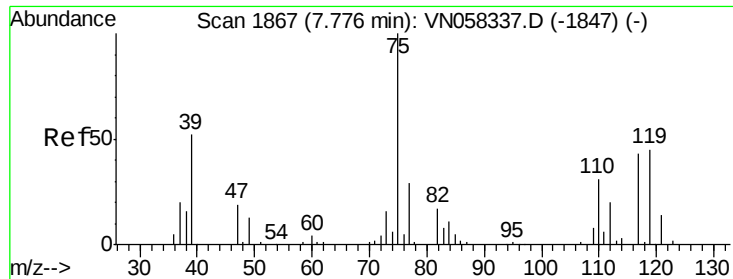
Tgt Ion: 65 Resp: 229820
 Ion Ratio Lower Upper
 65 100
 67 52.1 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 114 Resp: 508740
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.8 26.8
 88 15.9 12.7 19.1

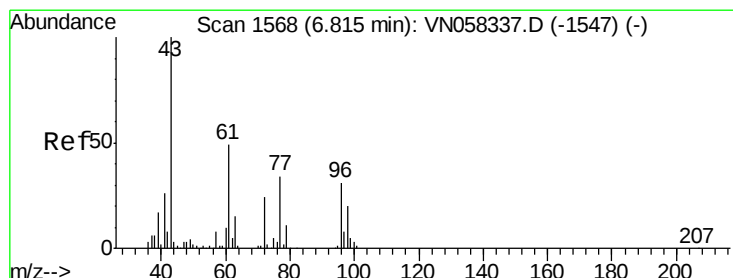
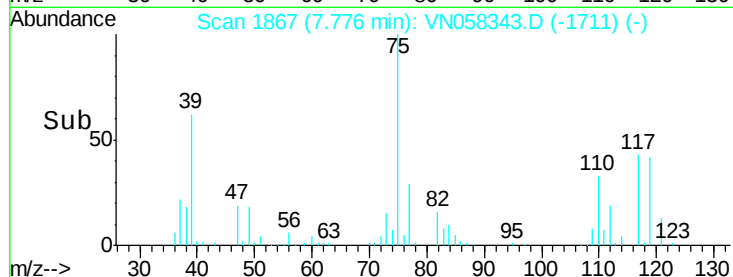
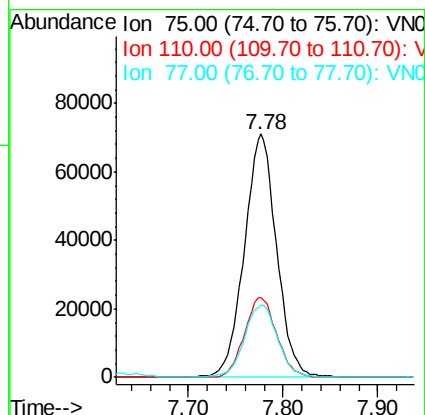
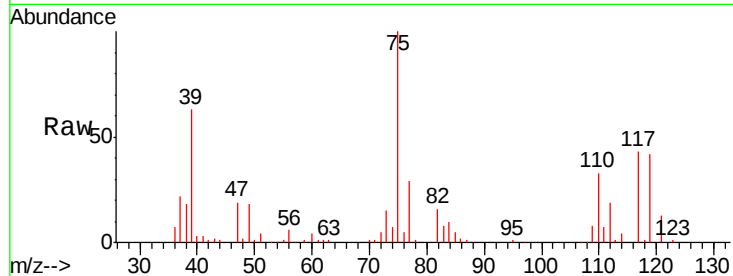




#29
 1,1-Dichloropropene
 Concen: 20.207 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

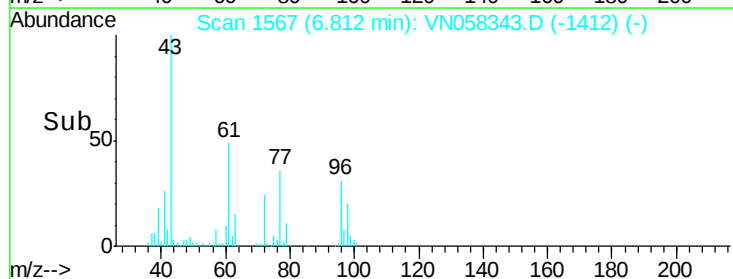
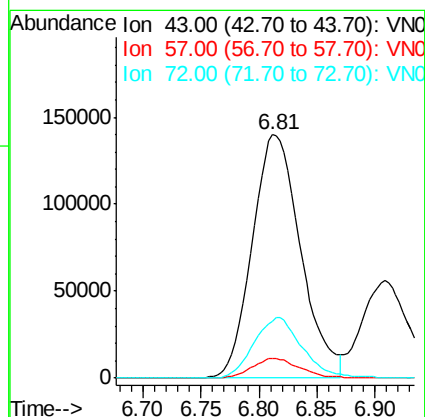
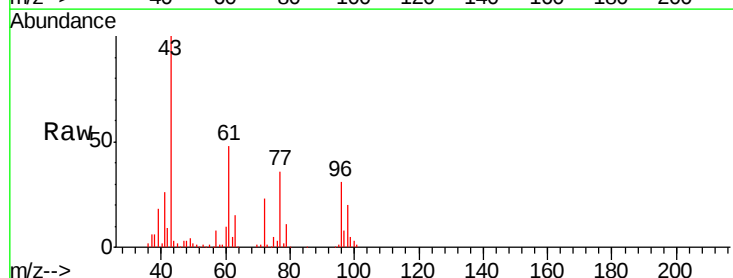
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

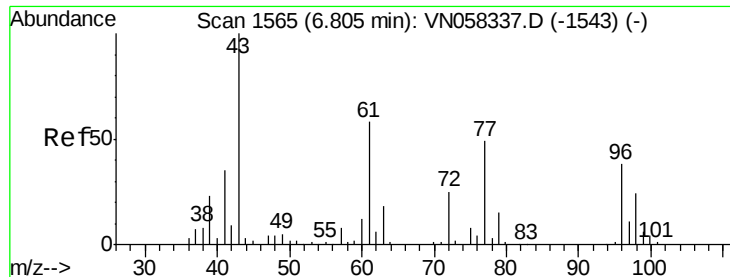
Tgt Ion: 75 Resp: 167800
 Ion Ratio Lower Upper
 75 100
 110 32.7 0.0 63.6
 77 30.8 0.0 59.4



#30
 2-Butanone
 Concen: 107.308 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 404623
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.2 9.4
 72 25.0 20.3 30.5





#31

2,2-Dichloropropane

Concen: 20.706 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

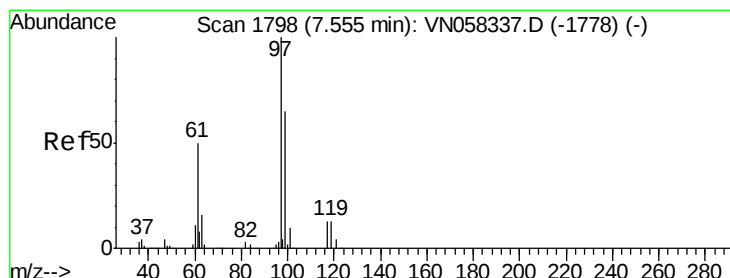
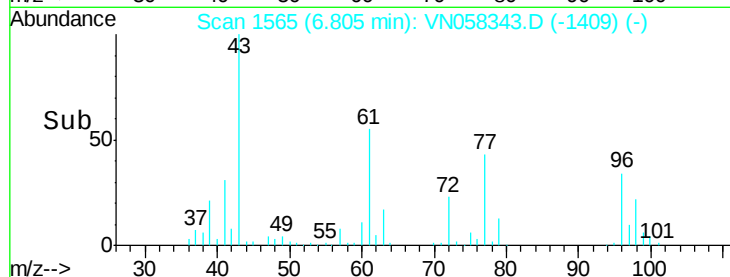
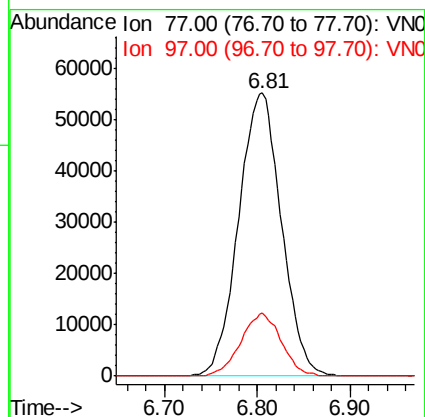
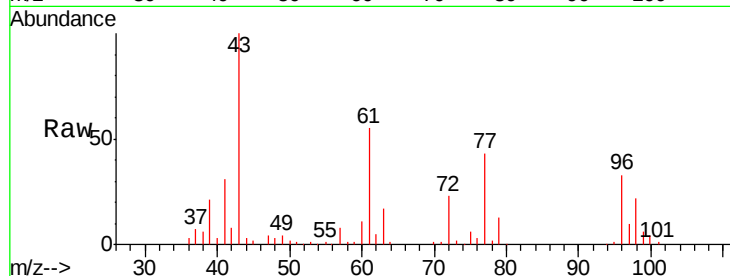
ICVVN092419

Tgt Ion: 77 Resp: 177027

Ion Ratio Lower Upper

77 100

97 21.1 17.6 26.4



#32

1,1,1-Trichloroethane

Concen: 20.334 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

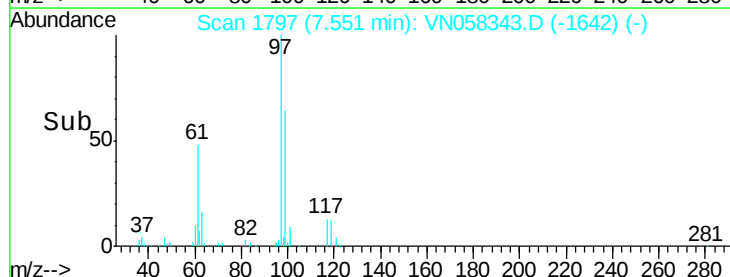
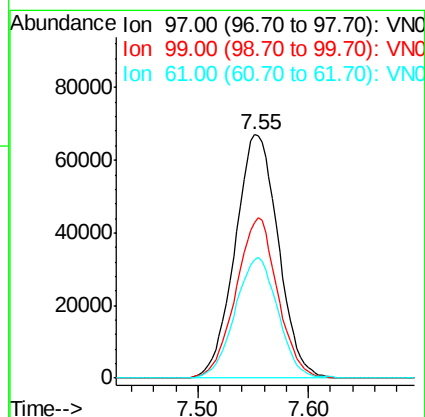
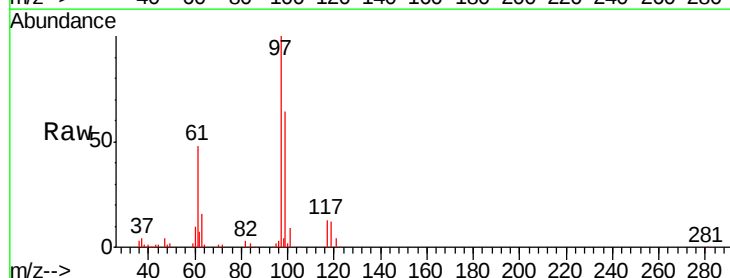
Tgt Ion: 97 Resp: 182128

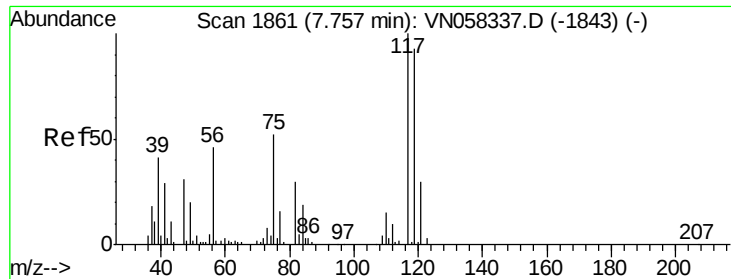
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.6

61 48.8 39.4 59.2

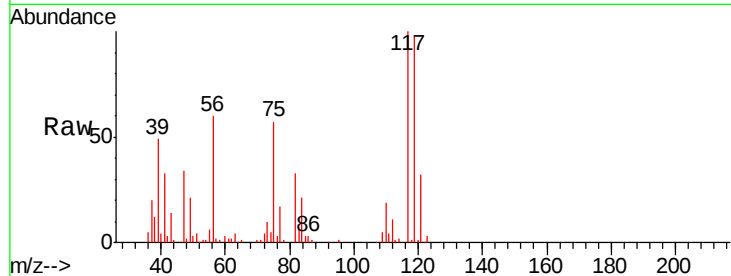




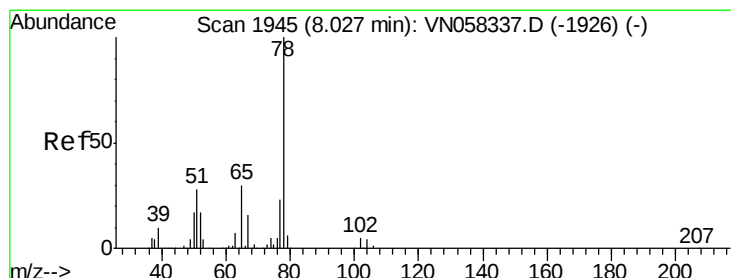
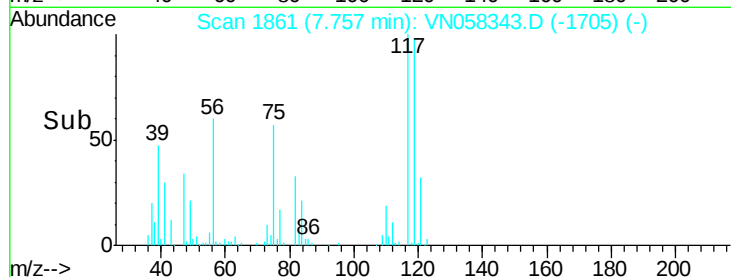
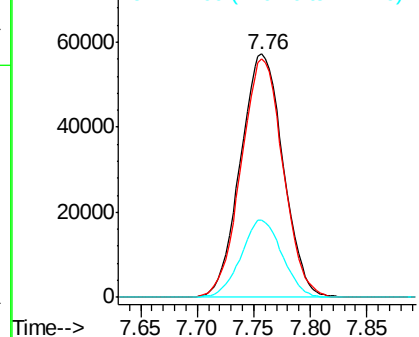
#33
Carbon Tetrachloride
Concen: 19.767 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

Tgt Ion: 117 Resp: 150425
Ion Ratio Lower Upper
117 100
119 97.9 74.2 111.4
121 31.6 23.9 35.9

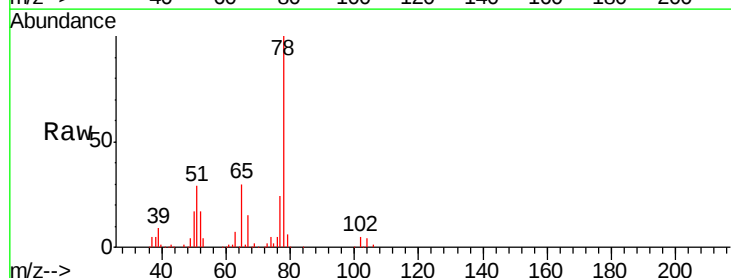


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

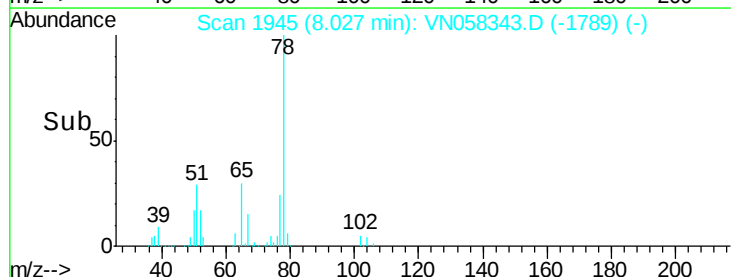
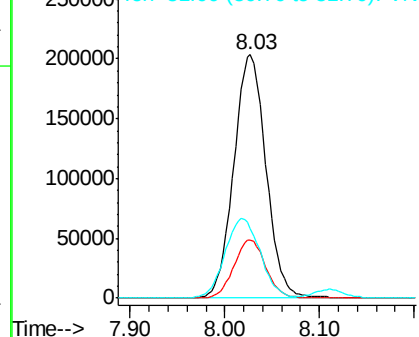


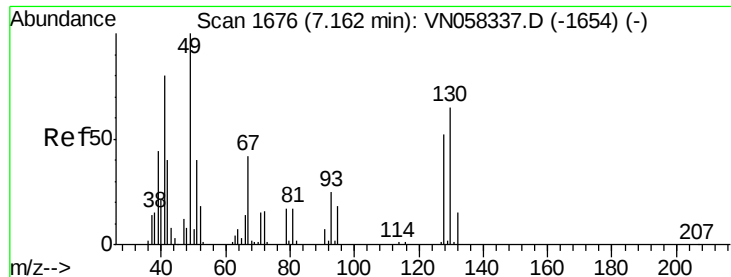
#34
Benzene
Concen: 20.440 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 78 Resp: 481507
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2
51 28.3 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

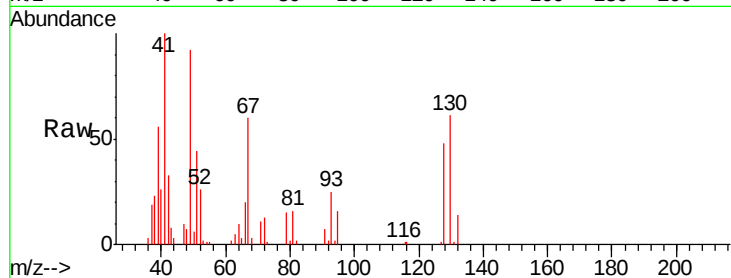




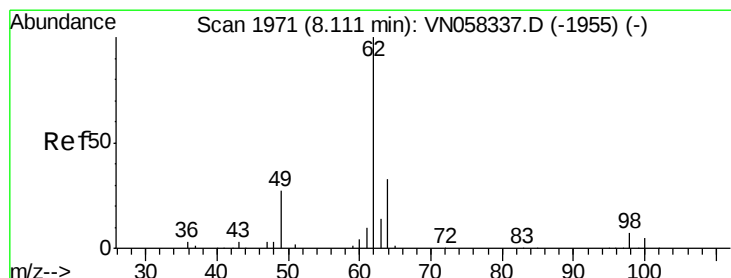
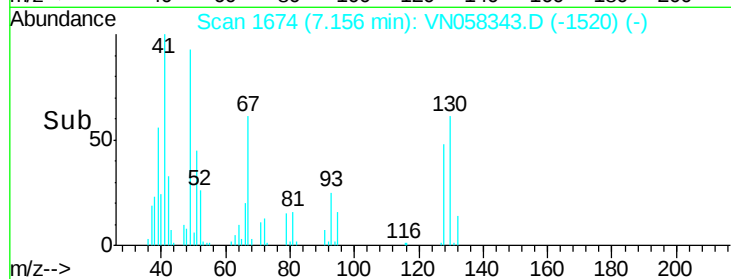
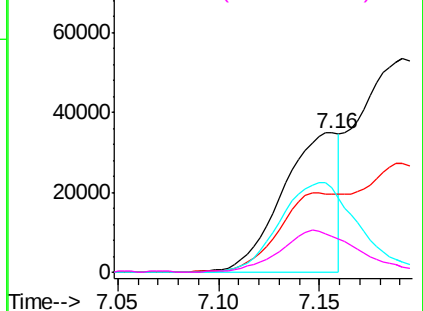
#35
Methacrylonitrile
Concen: 20.777 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampled :
ICVVN092419

Tgt Ion:	41	Resp:	67384
Ion	Ratio	Lower	Upper
41	100		
39	55.8	27.3	81.9
67	60.4	26.3	78.9
52	25.7	11.0	33.0

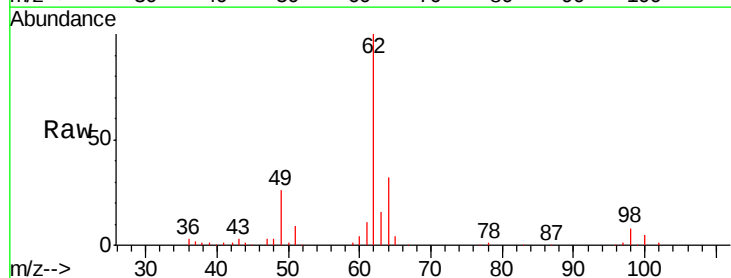


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

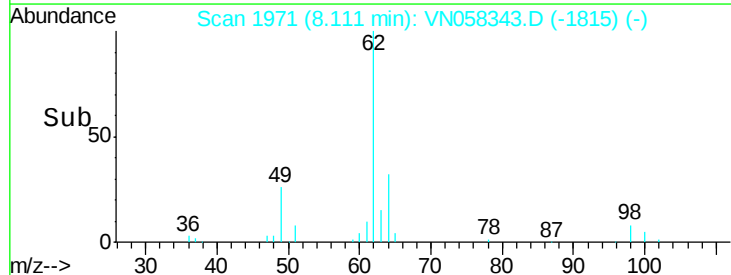
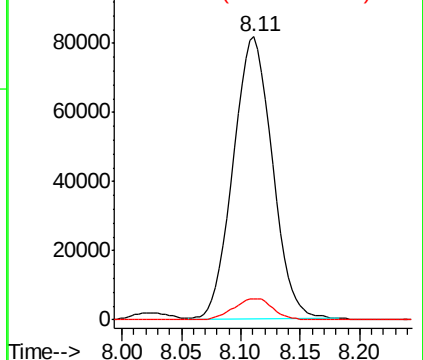


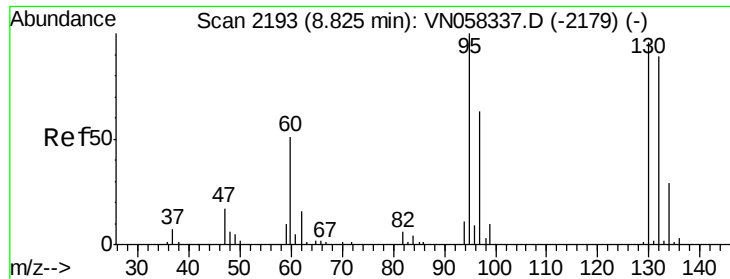
#36
1,2-Dichloroethane
Concen: 20.260 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:	62	Resp:	186967
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.0	9.0



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

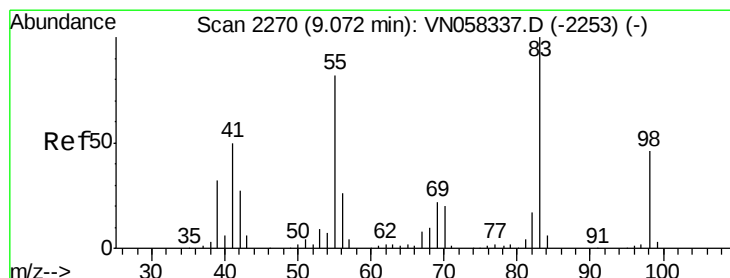
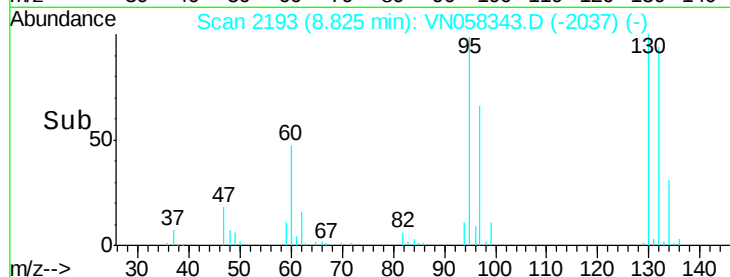
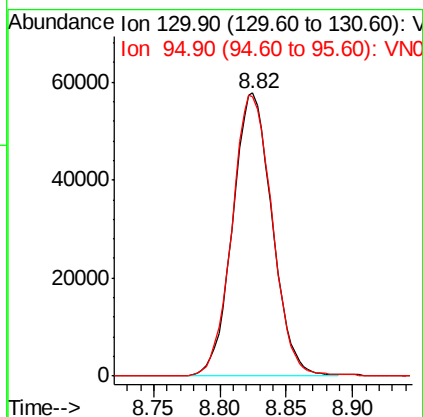
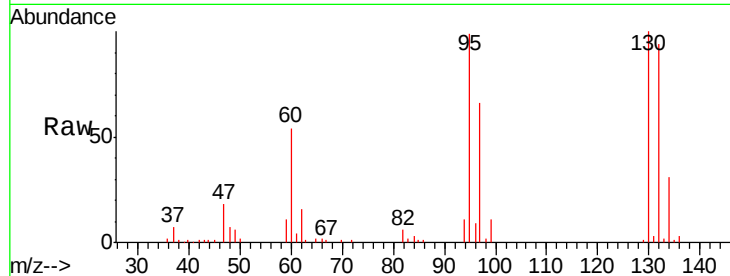




#37
 Trichloroethene
 Concen: 20.271 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

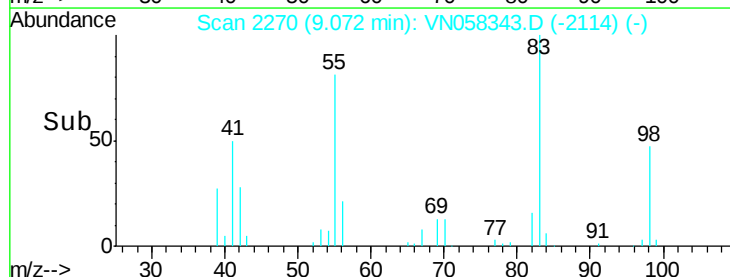
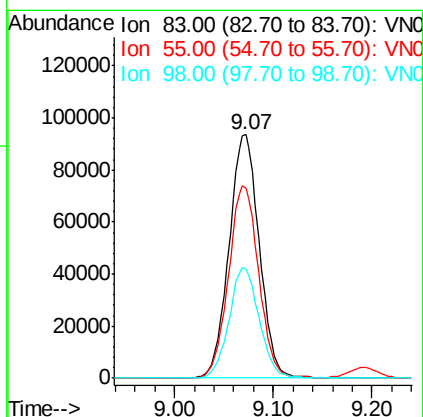
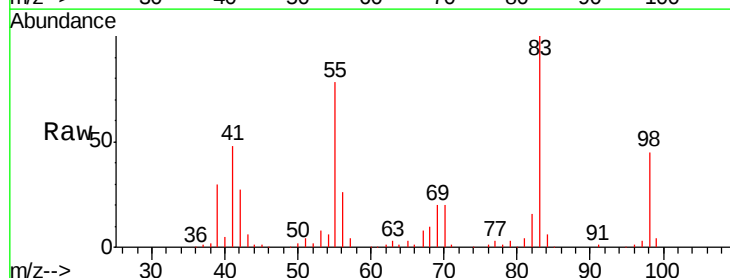
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

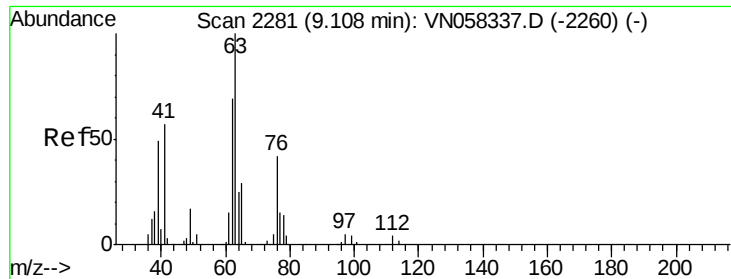
Tgt Ion: 130 Resp: 119548
 Ion Ratio Lower Upper
 130 100
 95 98.4 83.3 124.9



#38
 Methylcyclohexane
 Concen: 19.915 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 83 Resp: 199979
 Ion Ratio Lower Upper
 83 100
 55 78.5 40.5 121.4
 98 45.1 23.1 69.2

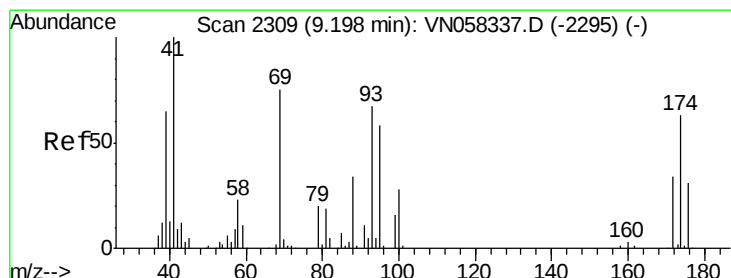
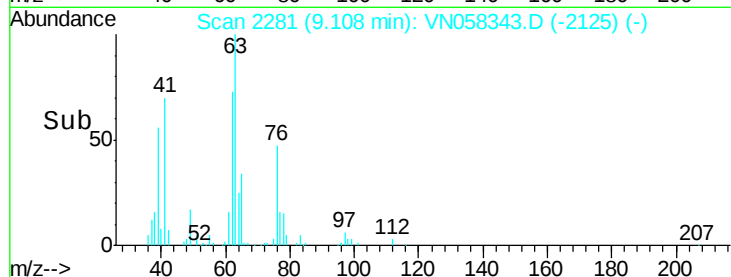
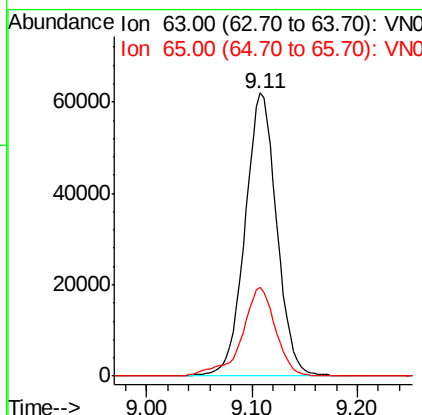
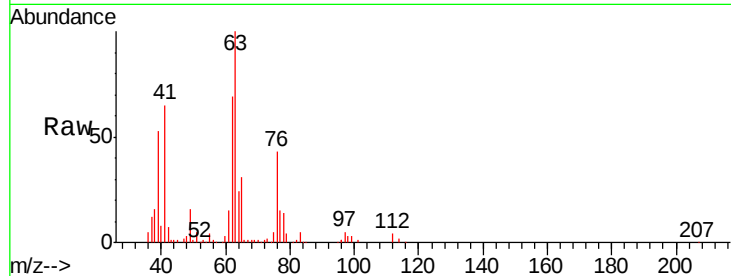




#39
 1,2-Dichloropropane
 Concen: 20.184 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

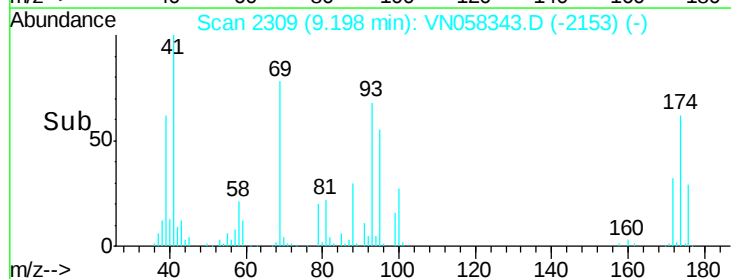
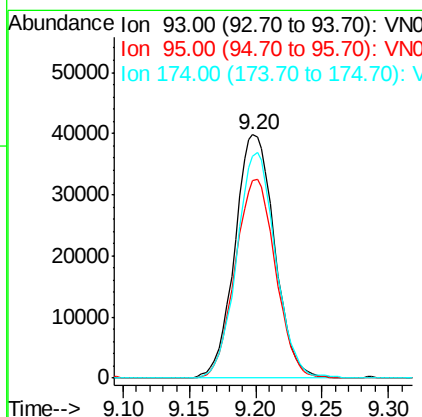
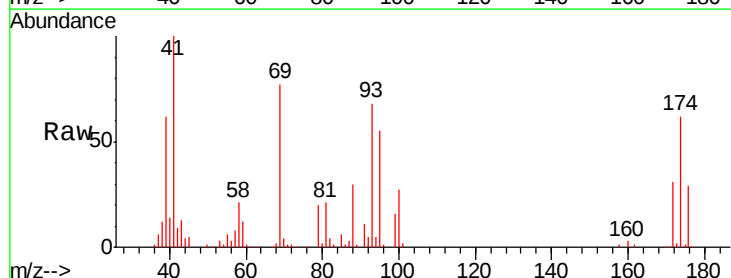
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

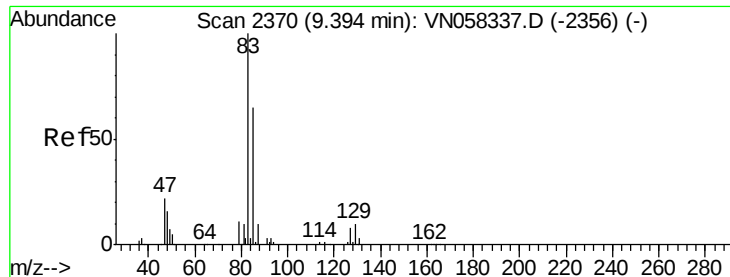
Tgt Ion: 63 Resp: 129697
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.0



#40
 Dibromomethane
 Concen: 20.422 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 93 Resp: 82821
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 166.8
 174 90.1 0.0 187.2





#41

Bromodichloromethane

Concen: 19.628 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

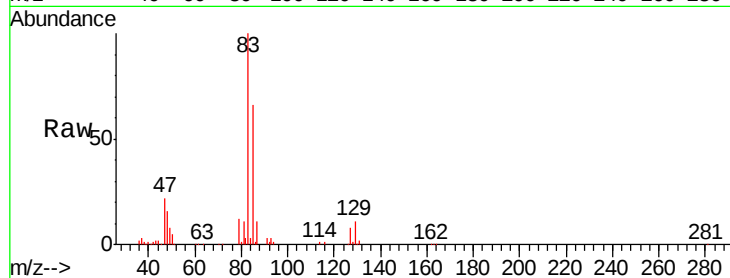
Tgt Ion: 83 Resp: 157340

Ion Ratio Lower Upper

83 100

85 66.1 52.0 78.0

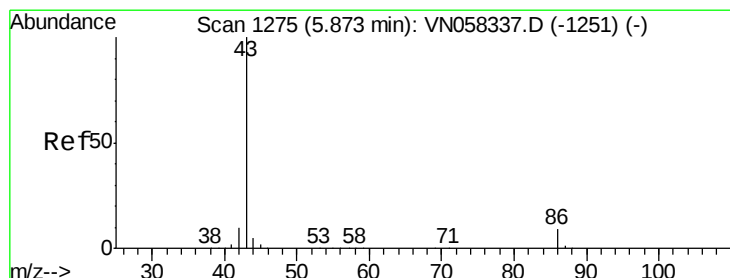
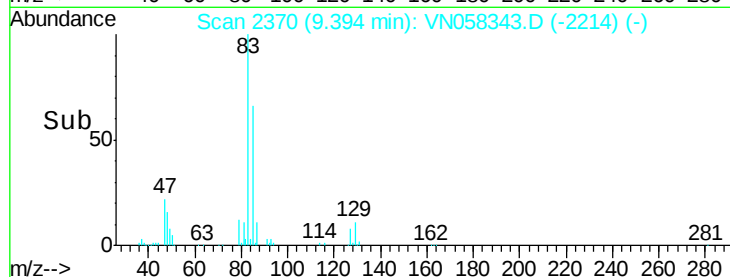
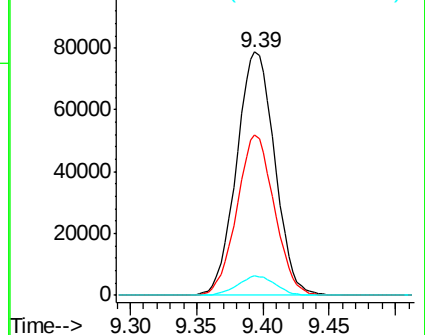
127 8.0 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 111.849 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058343.D

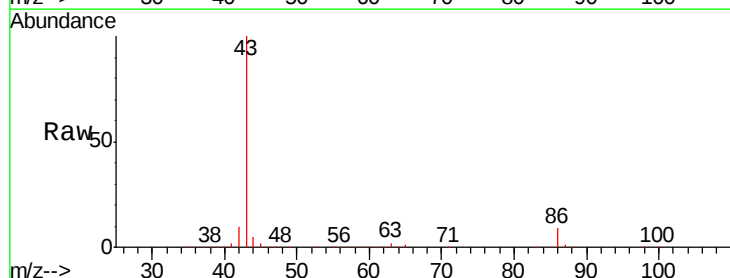
Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 1610285

Ion Ratio Lower Upper

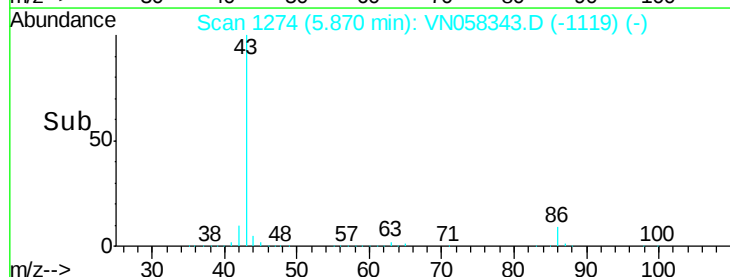
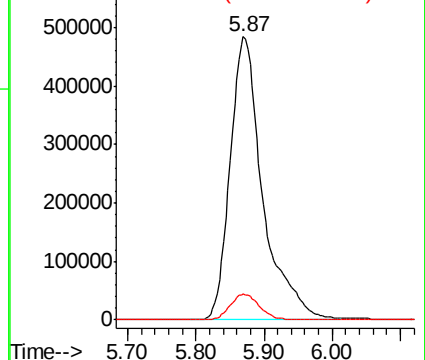
43 100

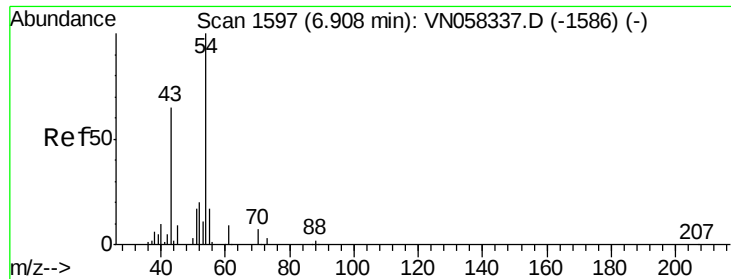
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

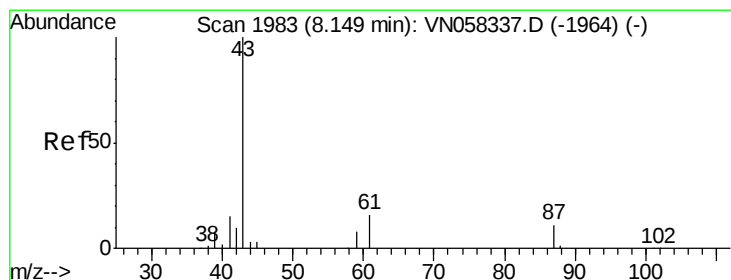
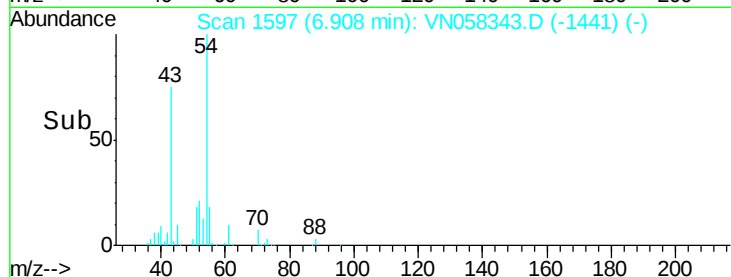
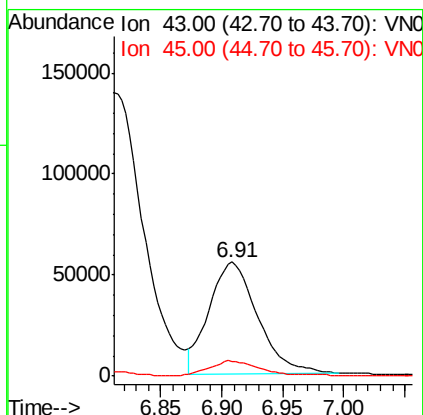
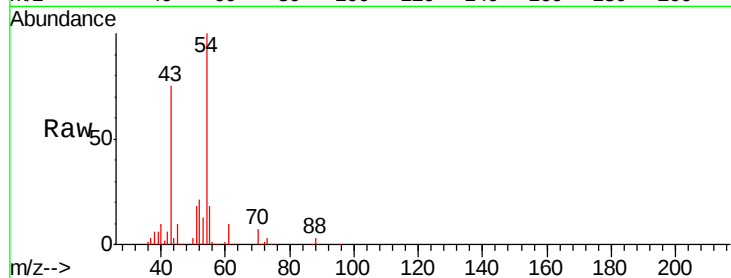




#43
Ethyl Acetate
Concen: 20.358 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

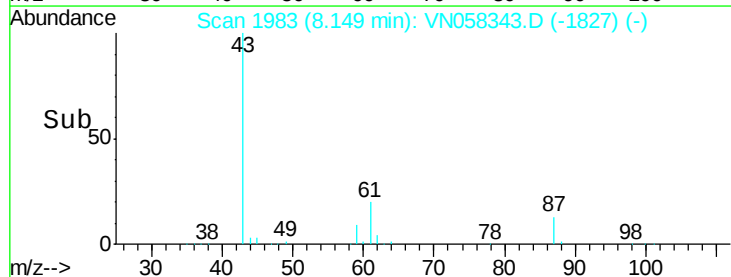
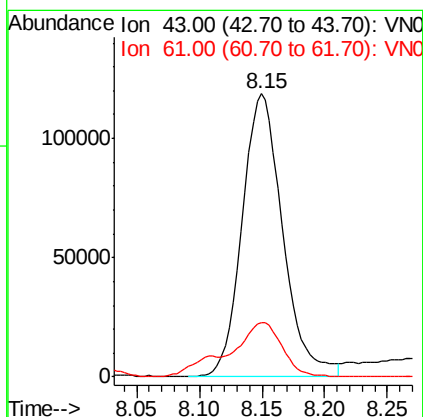
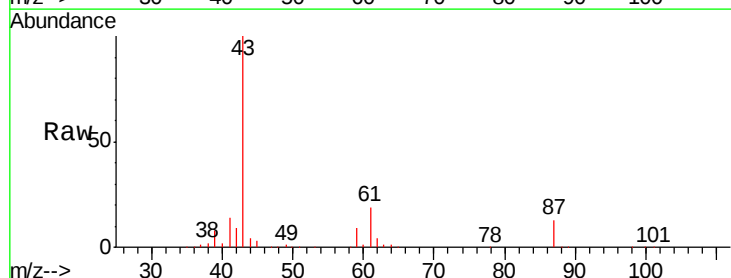
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

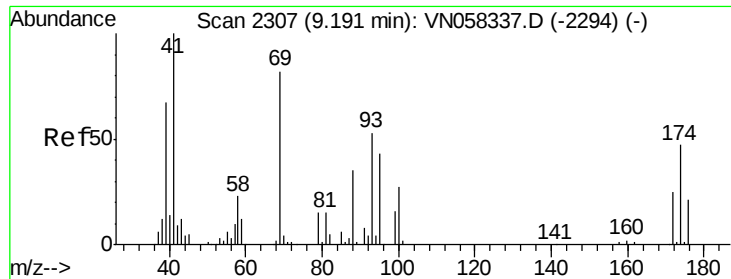
Tgt Ion: 43 Resp: 152412
Ion Ratio Lower Upper
43 100
45 12.5 9.8 14.6



#44
Isopropyl Acetate
Concen: 19.802 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 265392
Ion Ratio Lower Upper
43 100
61 19.9 14.4 21.6

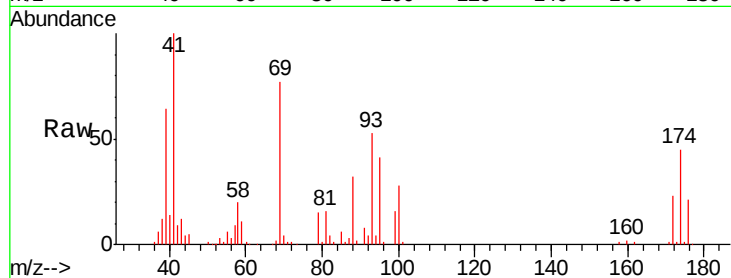




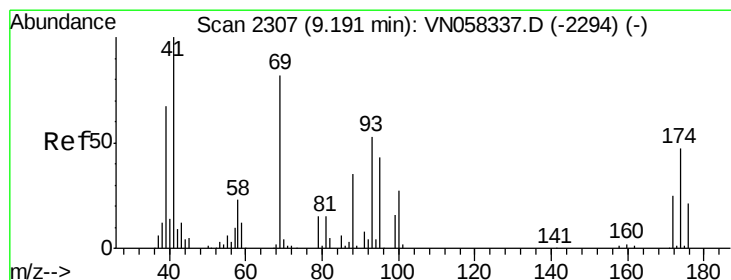
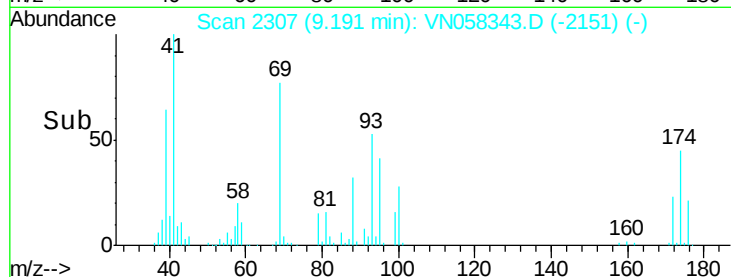
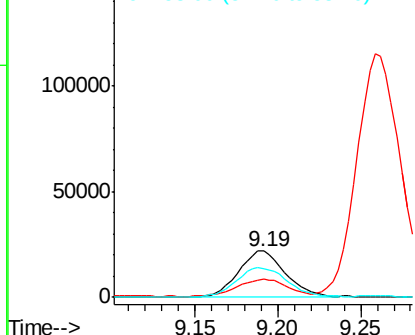
#45
 1,4-Dioxane
 Concen: 383.206 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tgt Ion: 88 Resp: 43326
 Ion Ratio Lower Upper
 88 100
 43 39.4 27.2 40.8
 58 70.2 55.4 83.0

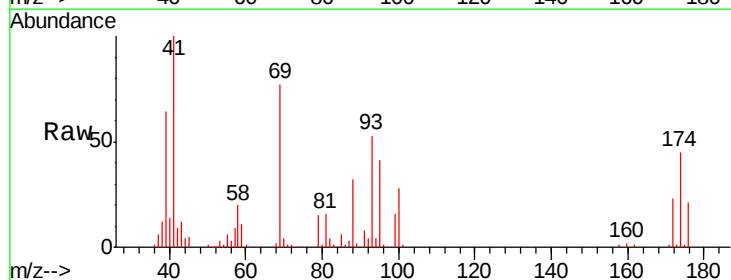


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

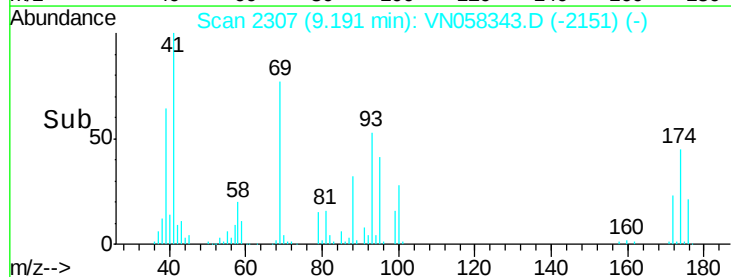
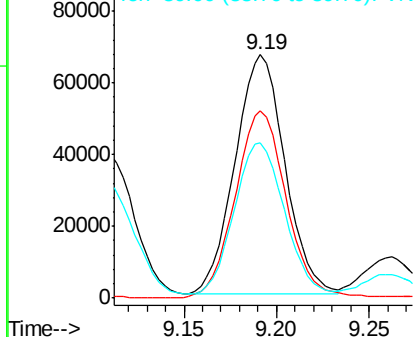


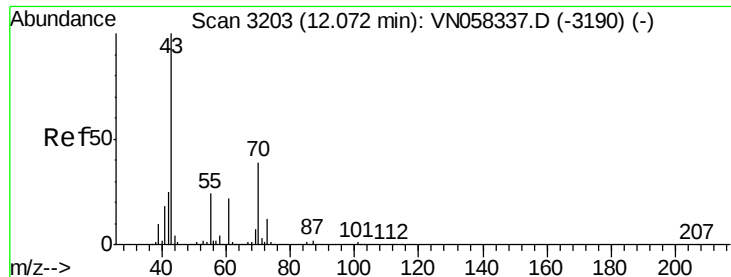
#46
 Methyl methacrylate
 Concen: 19.705 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 41 Resp: 125154
 Ion Ratio Lower Upper
 41 100
 69 77.7 40.9 122.7
 39 63.4 33.6 100.6



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

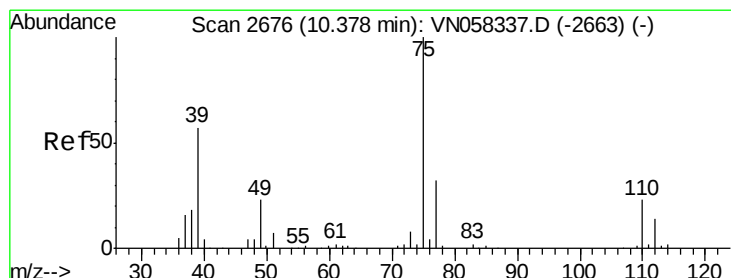
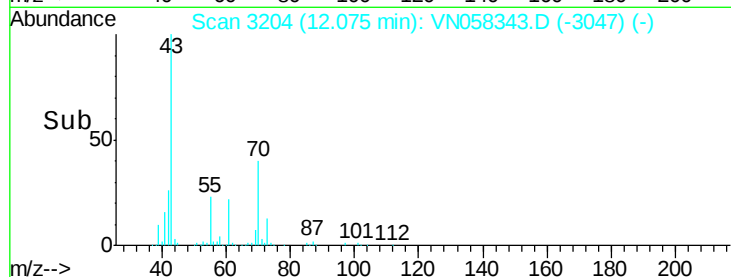
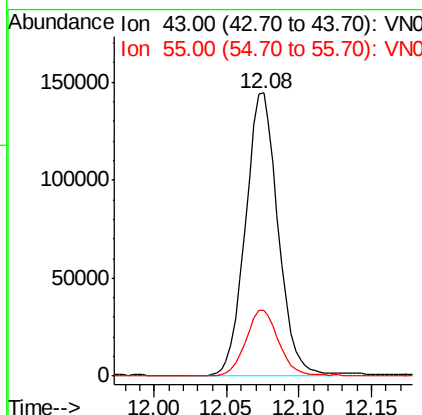
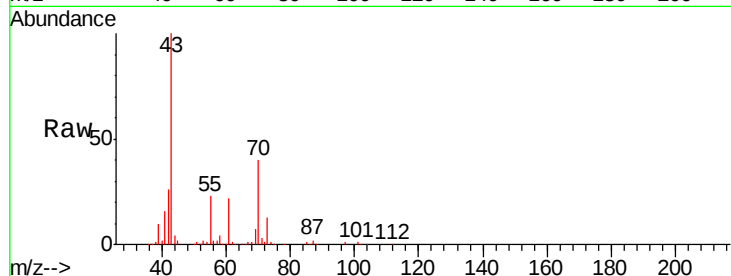




#47
n-amyl Acetate
Concen: 19.364 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

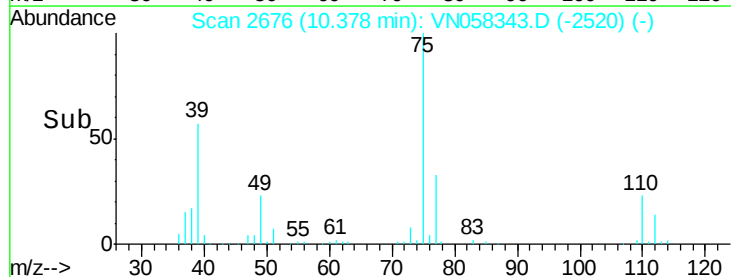
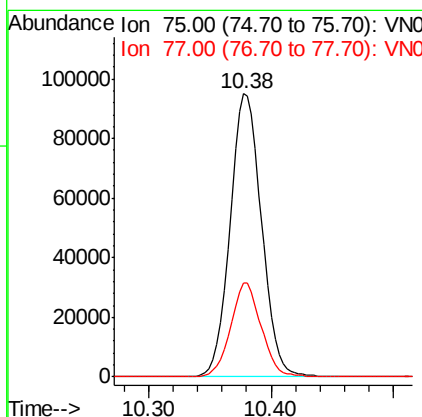
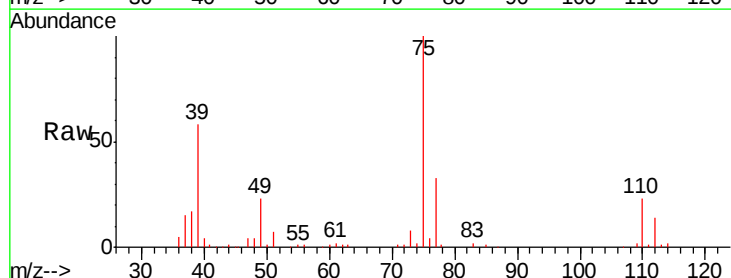
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

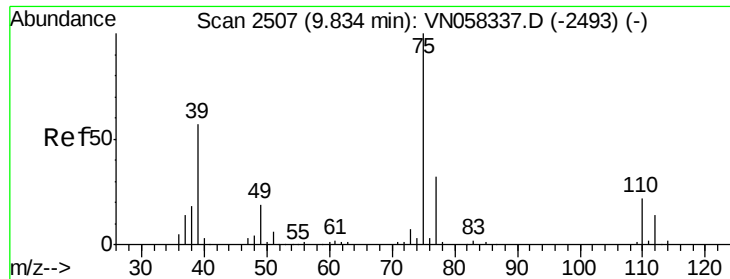
Tgt Ion: 43 Resp: 225887
Ion Ratio Lower Upper
43 100
55 23.7 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 19.428 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 75 Resp: 170173
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0

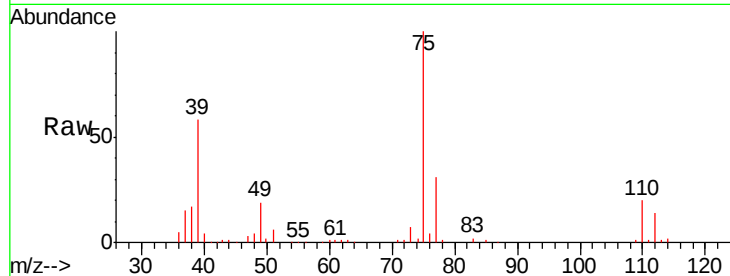




#49
 cis-1,3-Dichloropropene
 Concen: 20.024 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
39	57.5	45.8	68.6

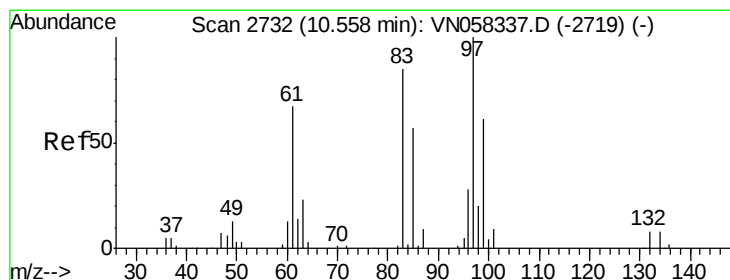
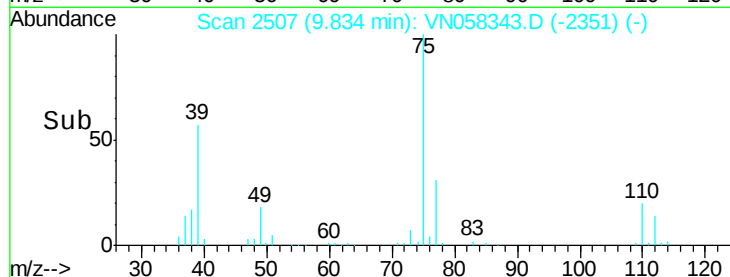
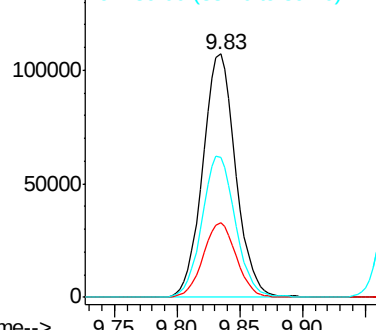


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 20.054 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.2	67.8	101.6
85	58.5	45.8	68.6
99	62.8	48.6	72.8

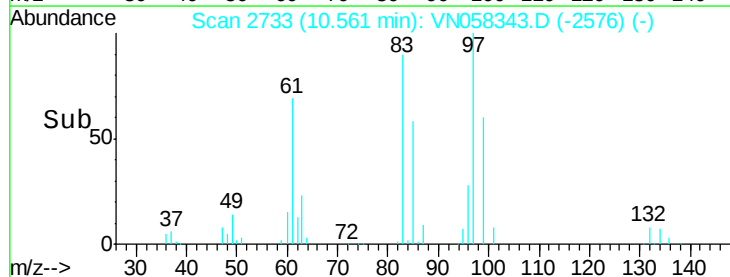
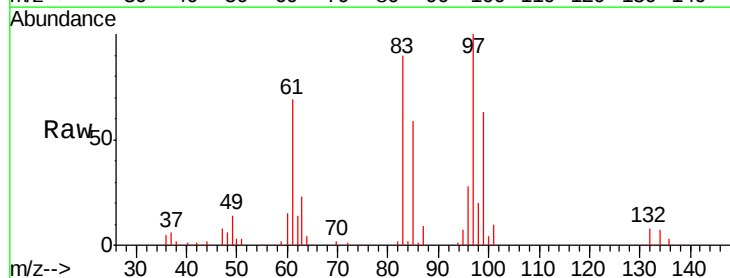
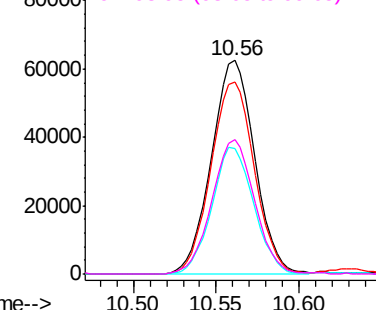
Abundance

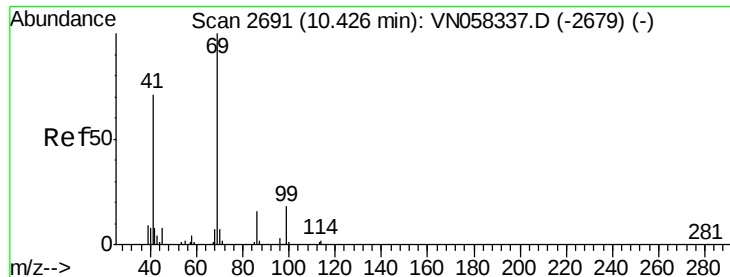
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.736 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

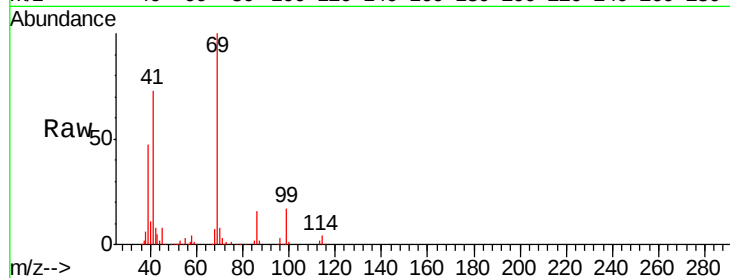
Tgt Ion: 69 Resp: 176985

Ion Ratio Lower Upper

69 100

41 72.4 35.4 106.1

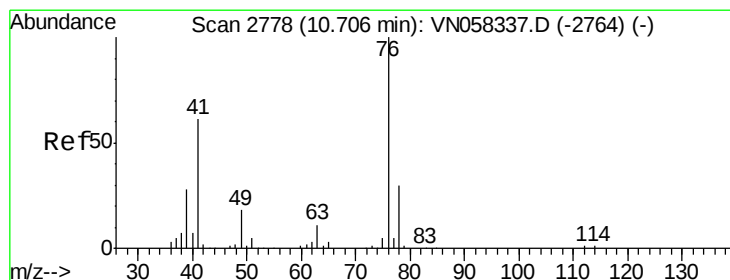
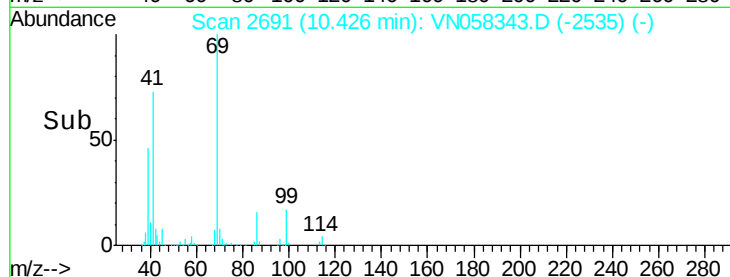
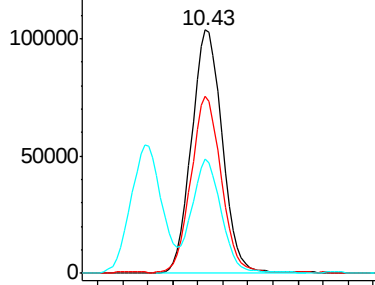
39 46.4 23.5 70.5



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: 20.145 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058343.D

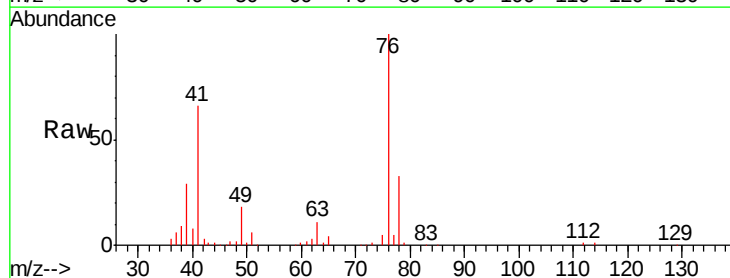
Acq: 24 Sep 2019 13:43

Tgt Ion: 76 Resp: 202788

Ion Ratio Lower Upper

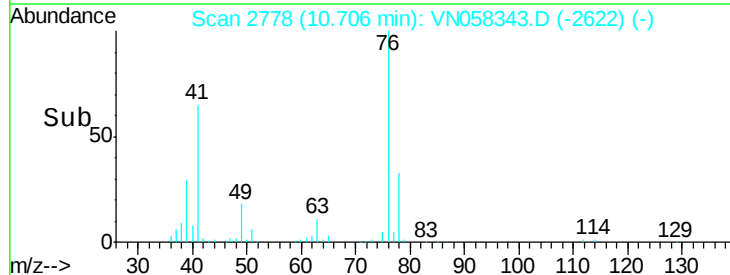
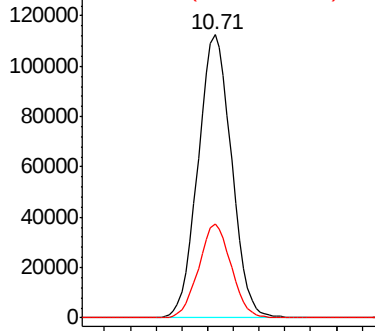
76 100

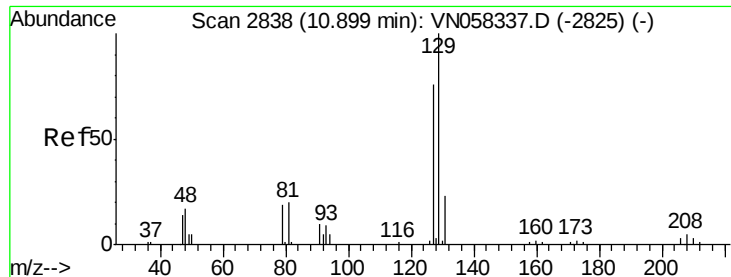
78 32.3 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.054 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

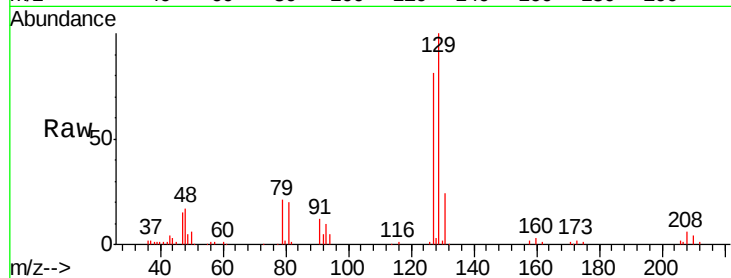
ICVVN092419

Tgt Ion:129 Resp: 108498

Ion Ratio Lower Upper

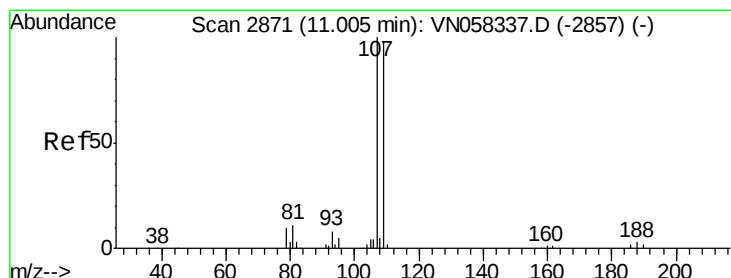
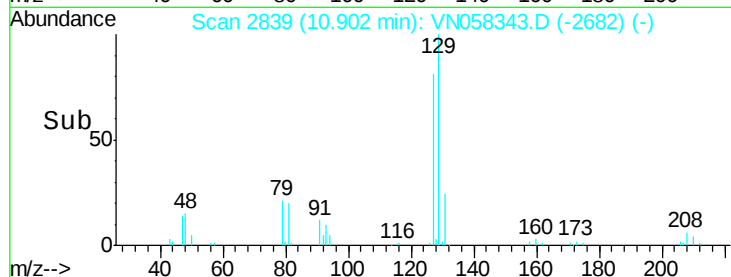
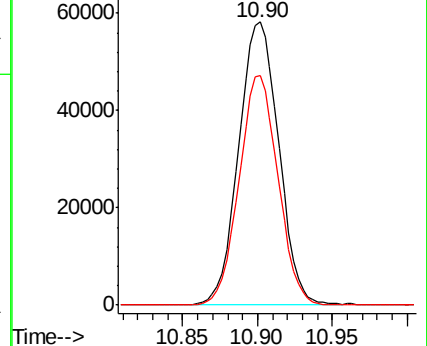
129 100

127 78.7 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.985 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058343.D

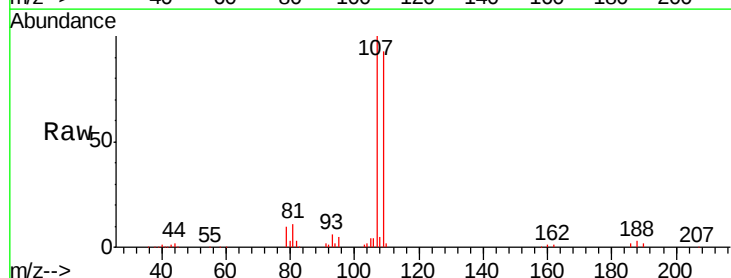
Acq: 24 Sep 2019 13:43

Tgt Ion:107 Resp: 115597

Ion Ratio Lower Upper

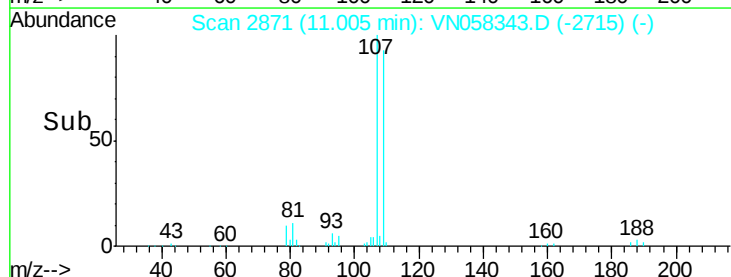
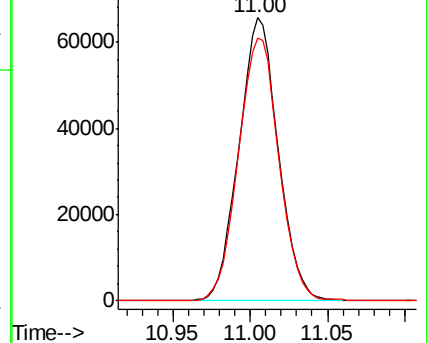
107 100

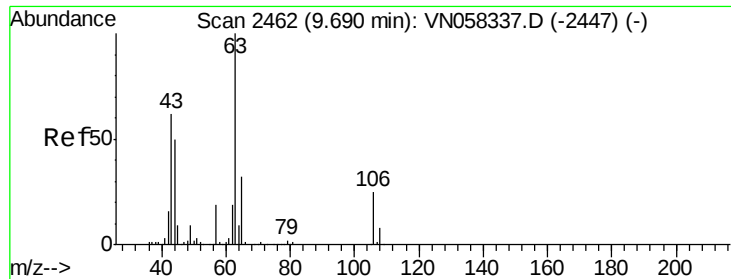
109 95.8 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 102.793 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampled :

ICVVN092419

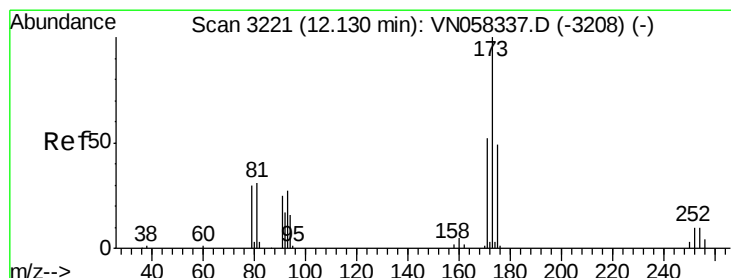
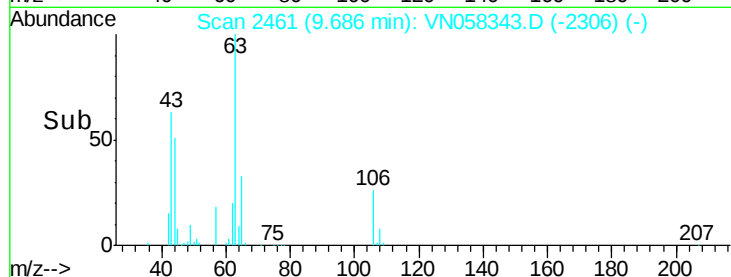
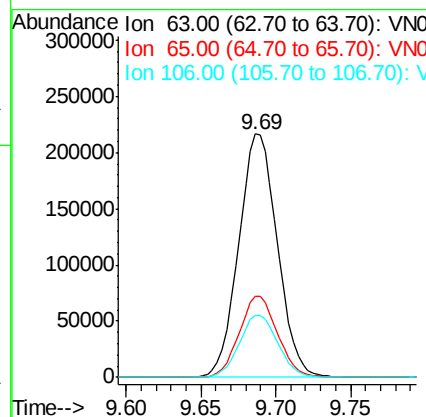
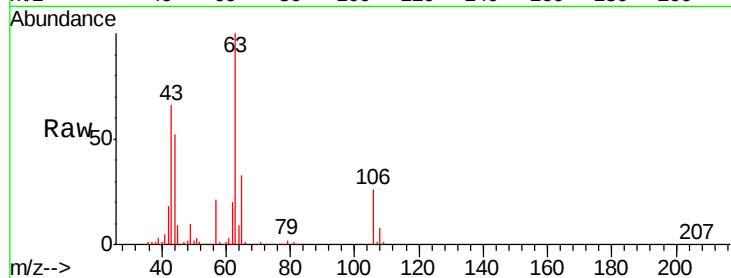
Tgt Ion: 63 Resp: 390324

Ion Ratio Lower Upper

63 100

65 32.9 25.4 38.2

106 25.6 20.4 30.6



#56

Bromoform

Concen: 18.926 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

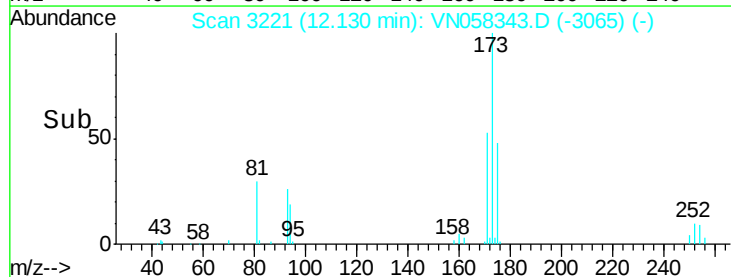
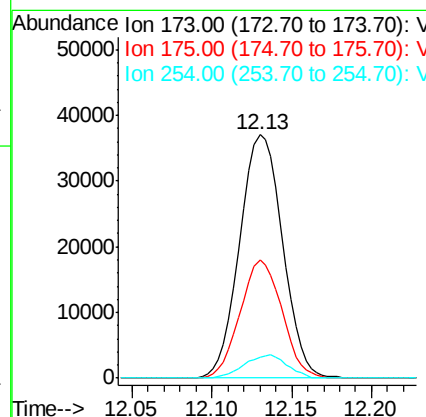
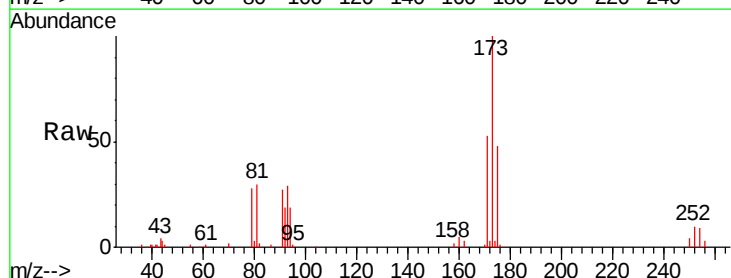
Tgt Ion: 173 Resp: 67975

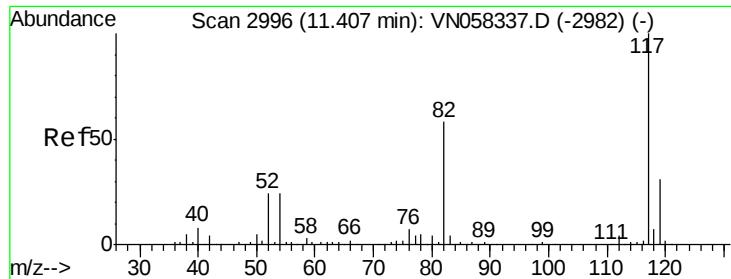
Ion Ratio Lower Upper

173 100

175 47.1 38.8 58.2

254 9.4 7.8 11.8

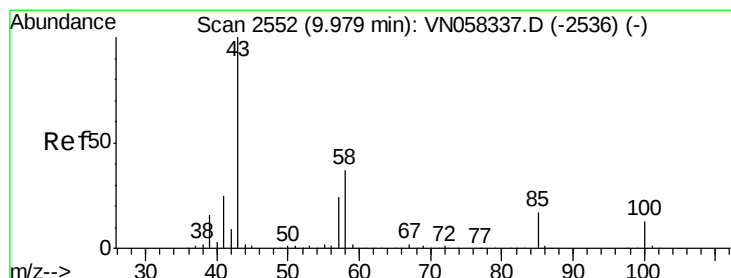
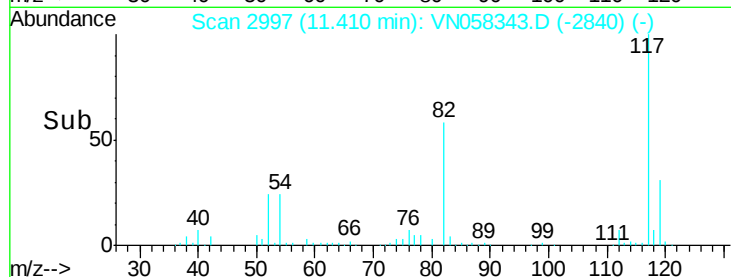
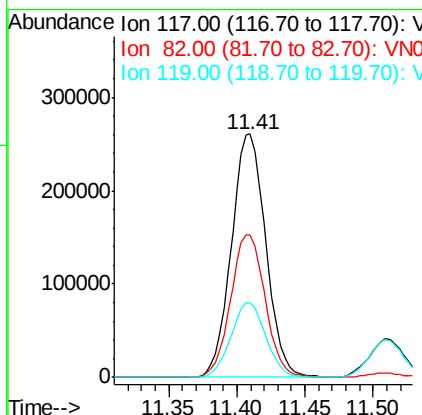
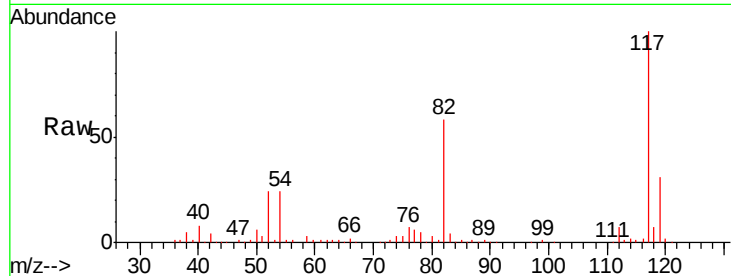




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

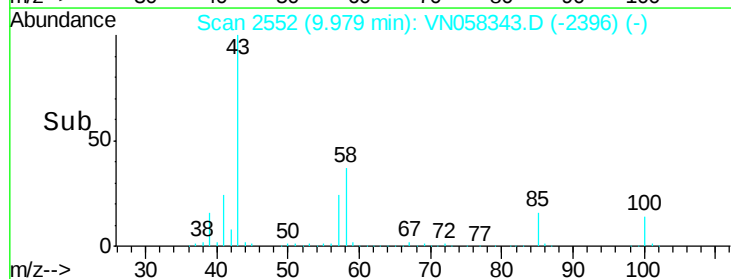
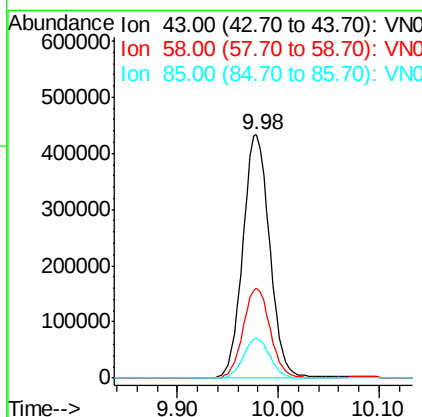
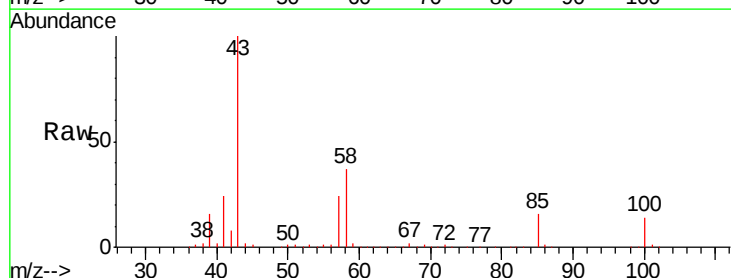
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

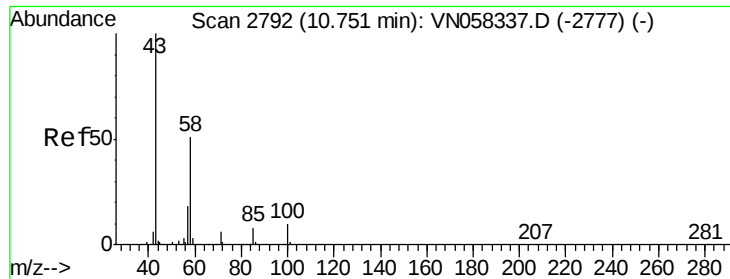
Tgt Ion: 117 Resp: 456386
Ion Ratio Lower Upper
117 100
82 59.0 46.4 69.6
119 31.2 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 111.067 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 43 Resp: 794248
Ion Ratio Lower Upper
43 100
58 37.2 29.3 43.9
85 16.2 13.1 19.7

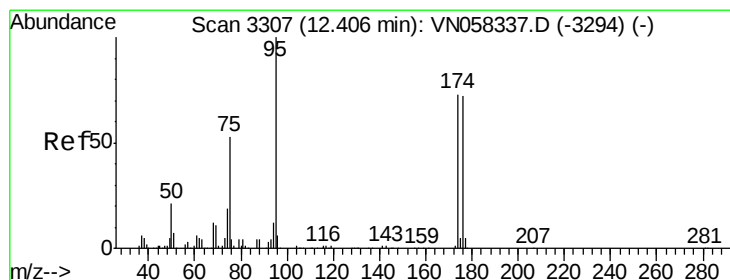
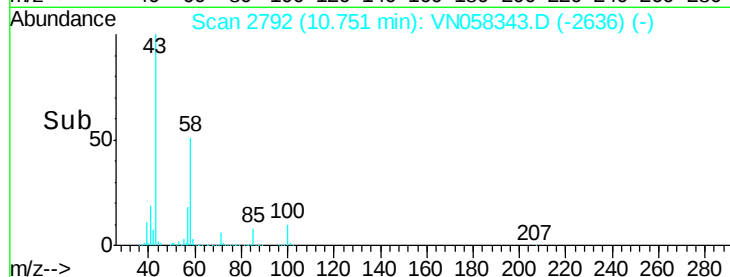
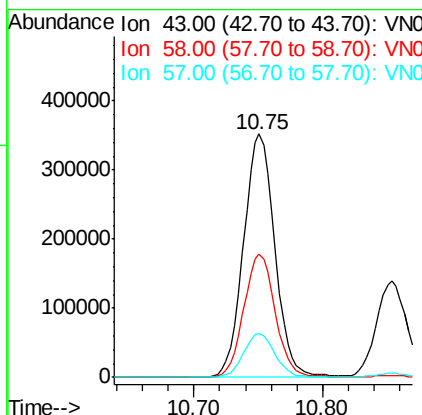
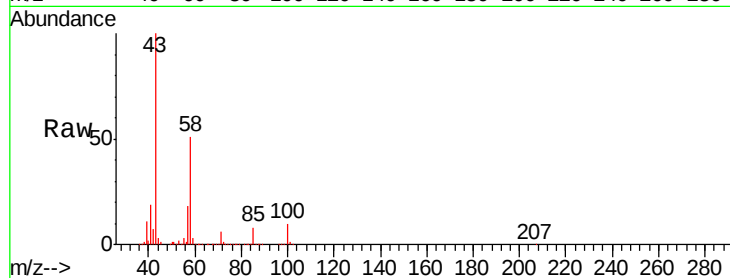




#59
2-Hexanone
Concen: 110.012 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

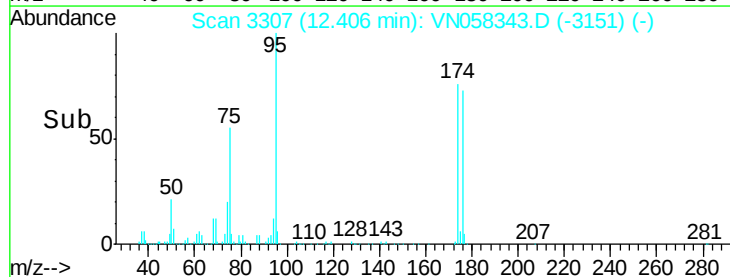
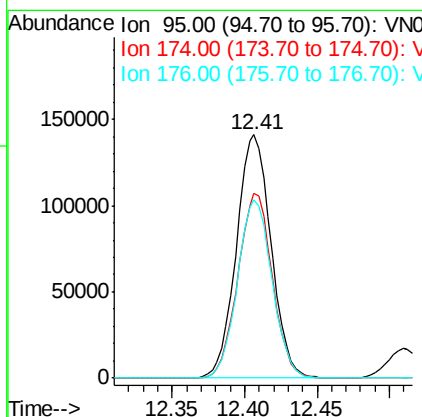
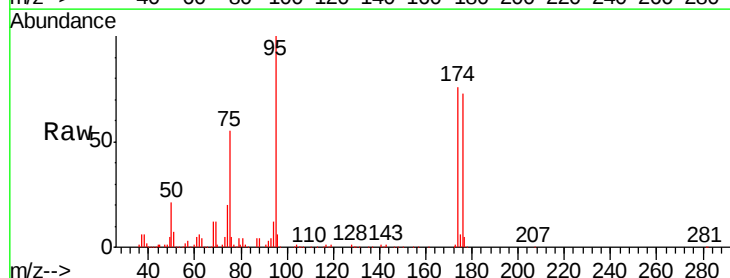
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

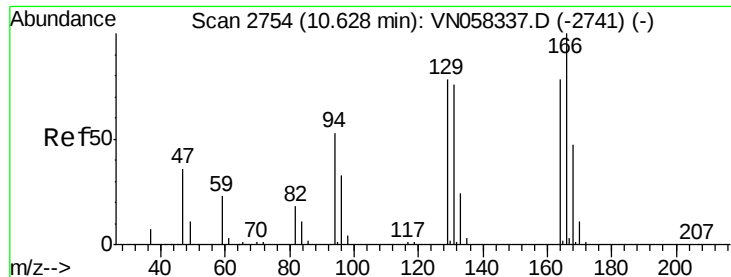
Tgt Ion: 43 Resp: 594737
Ion Ratio Lower Upper
43 100
58 50.9 40.7 61.1
57 18.2 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.658 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion: 95 Resp: 234203
Ion Ratio Lower Upper
95 100
174 75.7 59.0 88.6
176 73.1 58.2 87.2





#61

Tetrachloroethene

Concen: 20.010 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

Tgt Ion:164 Resp: 95674

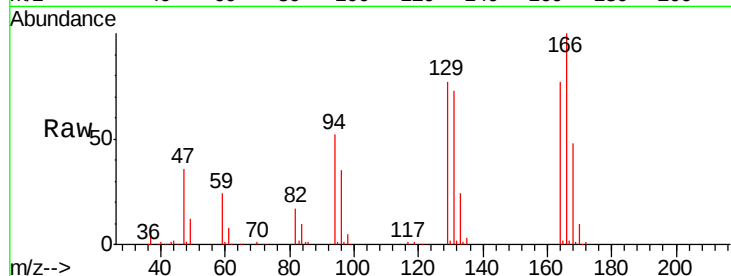
Ion Ratio Lower Upper

164 100

166 129.6 102.6 154.0

129 99.4 79.8 119.6

131 94.3 78.1 117.1

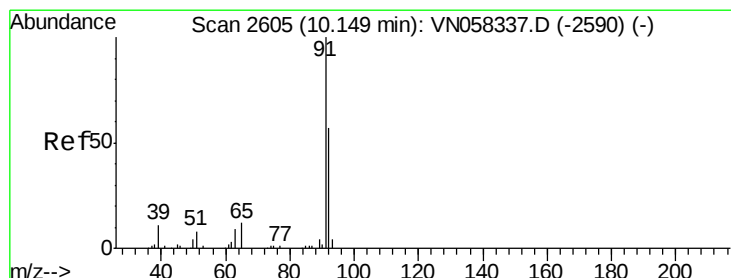
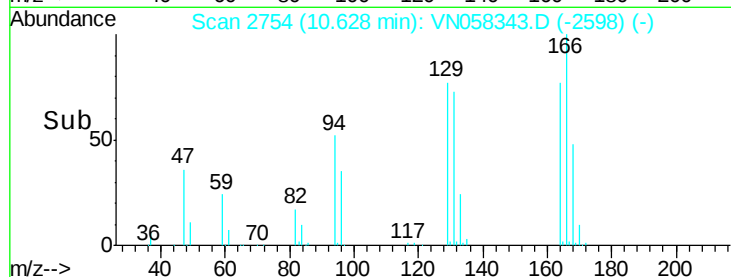
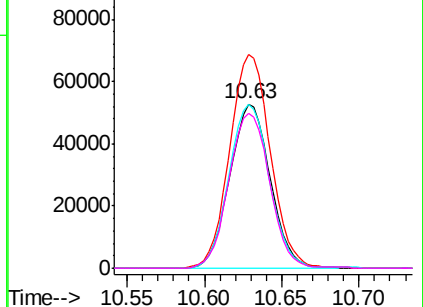


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.917 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058343.D

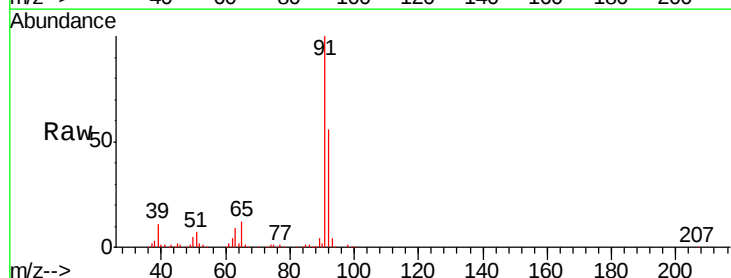
Acq: 24 Sep 2019 13:43

Tgt Ion: 91 Resp: 522832

Ion Ratio Lower Upper

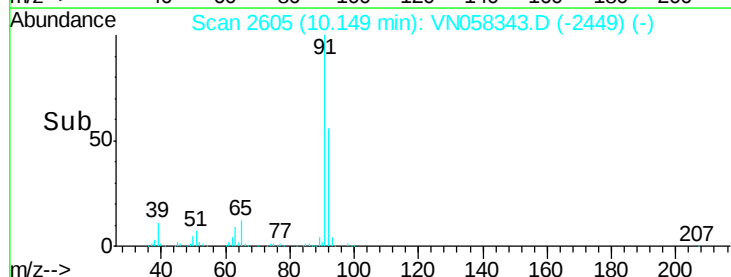
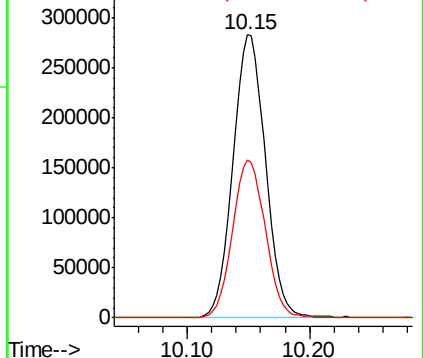
91 100

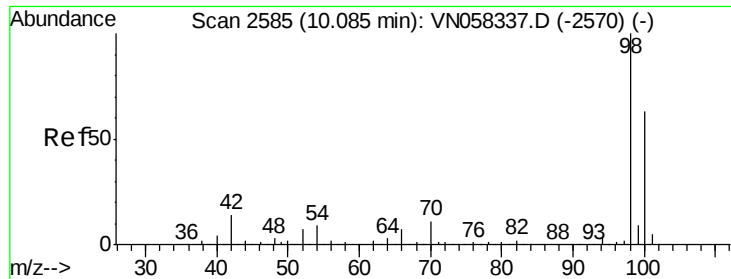
92 56.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.082 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

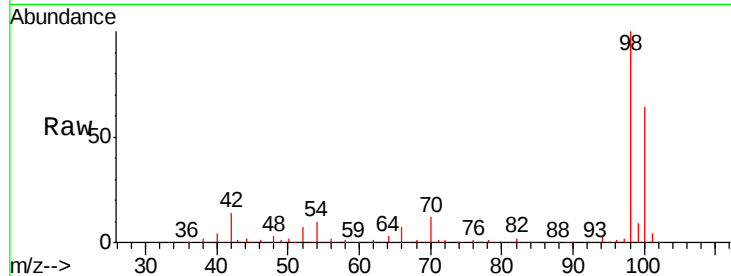
ICVVN092419

Tgt Ion: 98 Resp: 655201

Ion Ratio Lower Upper

98 100

100 63.9 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) (-)

10.09

400000

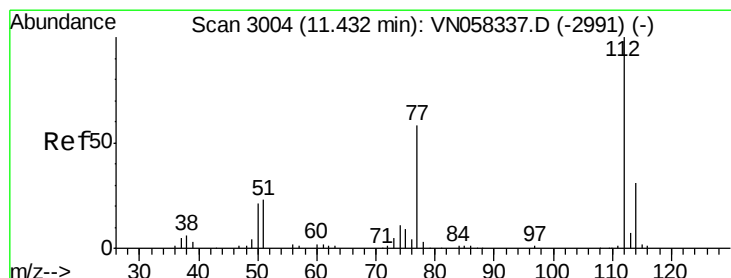
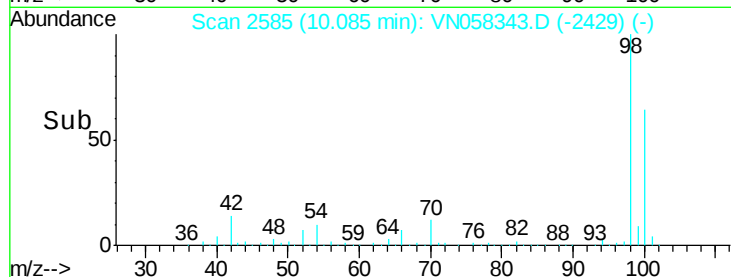
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 20.413 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058343.D

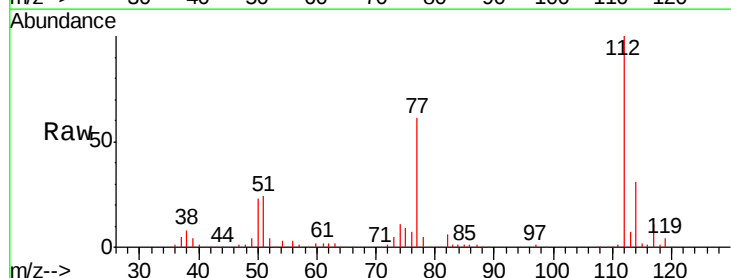
Acq: 24 Sep 2019 13:43

Tgt Ion: 112 Resp: 313548

Ion Ratio Lower Upper

112 100

114 31.5 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) (-)

11.44

200000

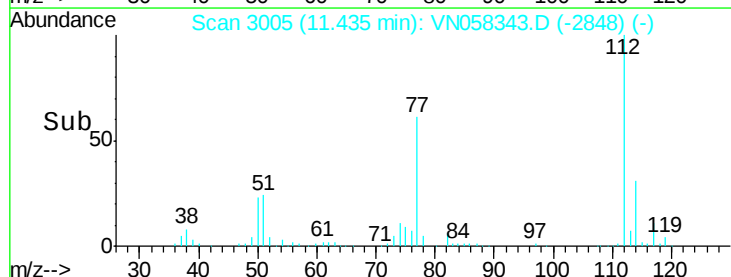
150000

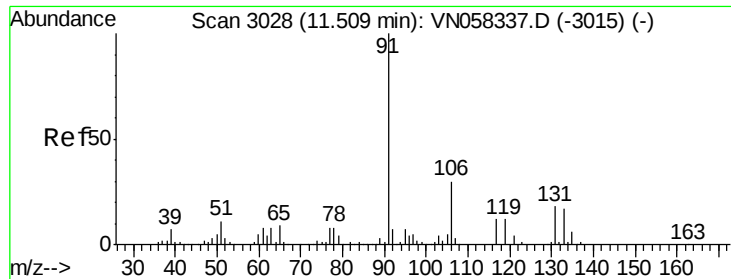
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.202 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

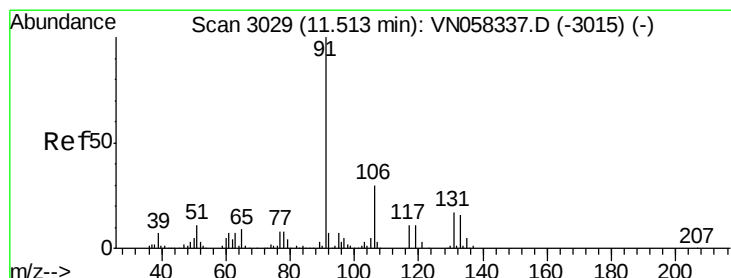
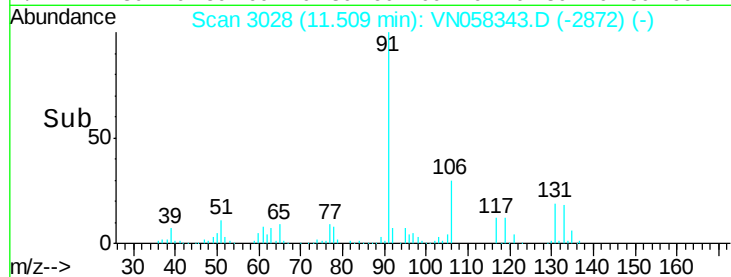
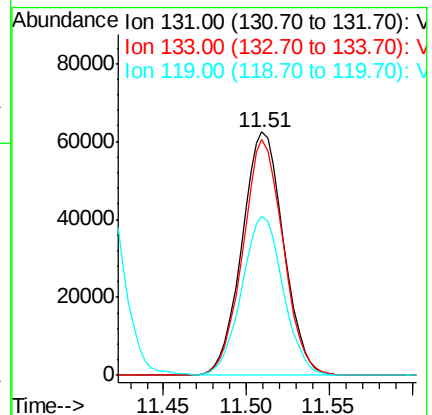
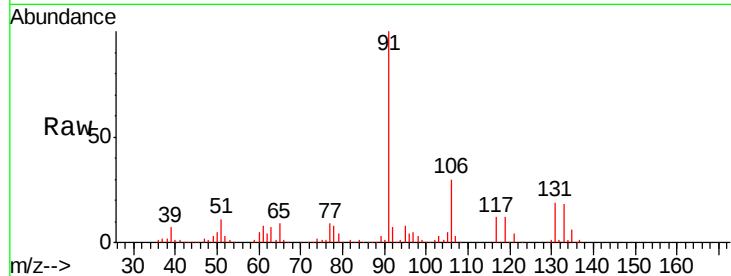
Tgt Ion: 131 Resp: 108778

Ion Ratio Lower Upper

131 100

133 94.0 0.0 191.8

119 65.1 0.0 134.2



#66

Ethyl Benzene

Concen: 21.331 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058343.D

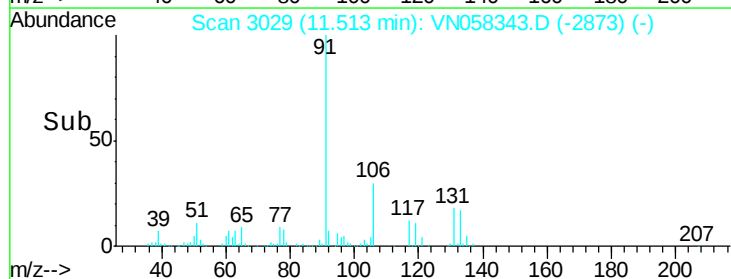
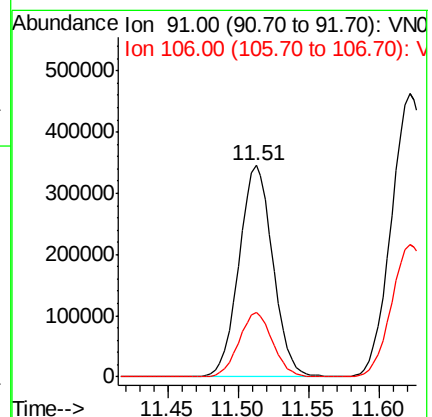
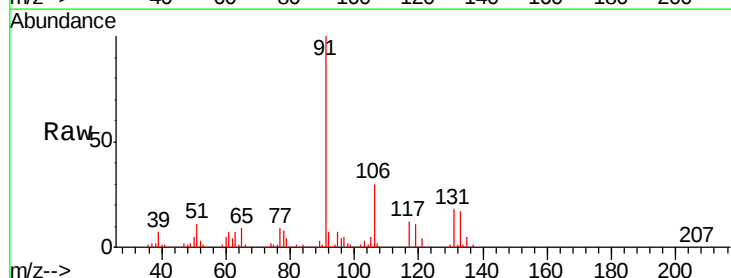
Acq: 24 Sep 2019 13:43

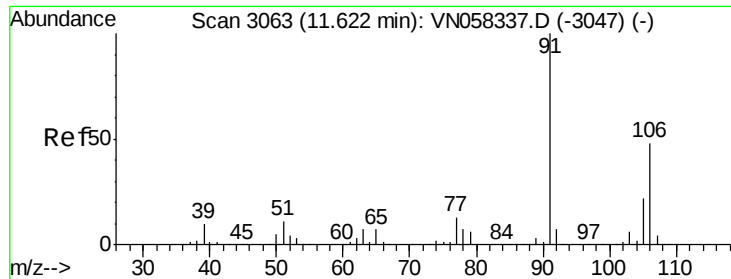
Tgt Ion: 91 Resp: 581370

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.4

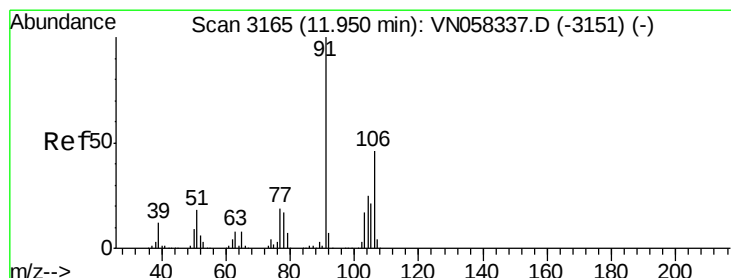
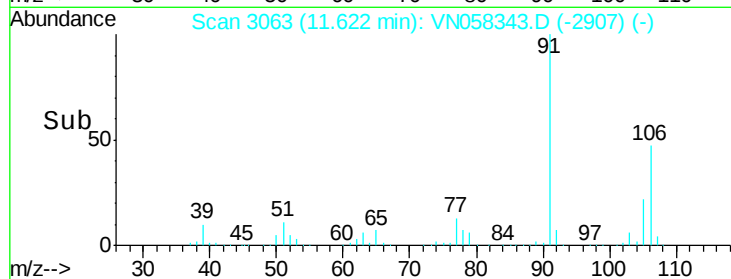
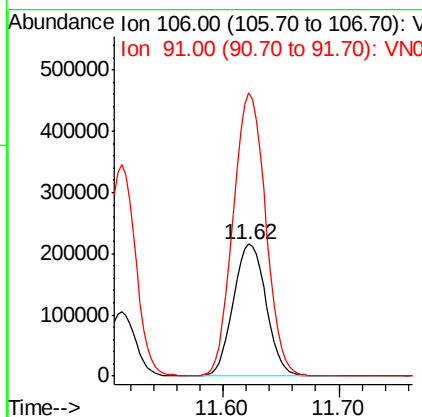
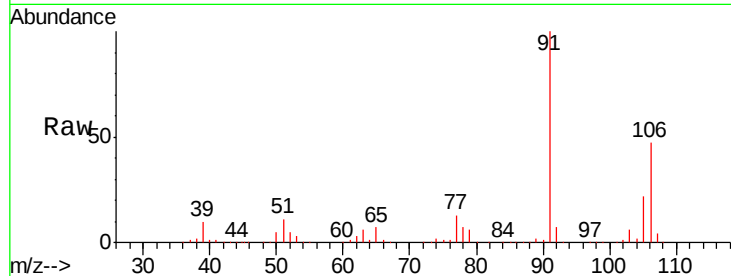




#67
m/p-Xylenes
Concen: 40.515 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

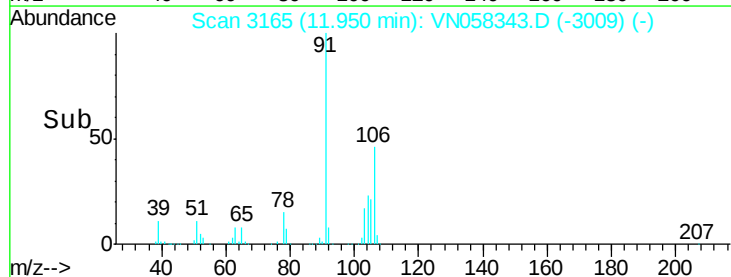
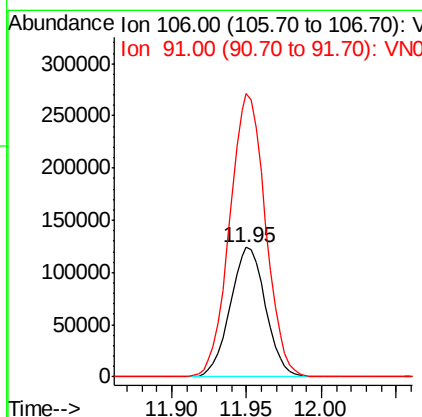
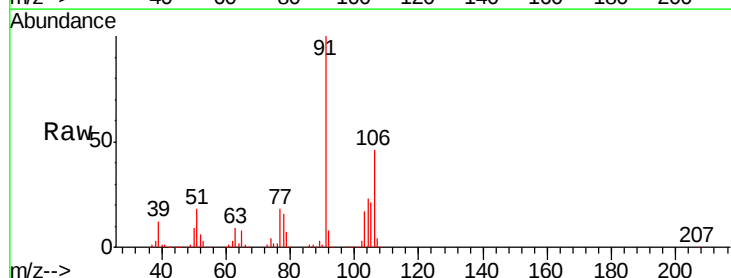
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

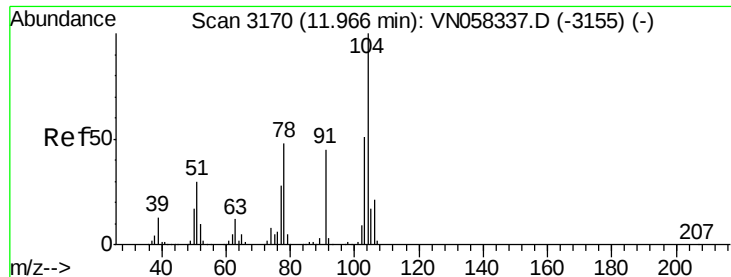
Tgt Ion:106 Resp: 423940
Ion Ratio Lower Upper
106 100
91 212.2 167.8 251.6



#68
o-Xylene
Concen: 20.024 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:106 Resp: 203743
Ion Ratio Lower Upper
106 100
91 221.7 108.7 325.9

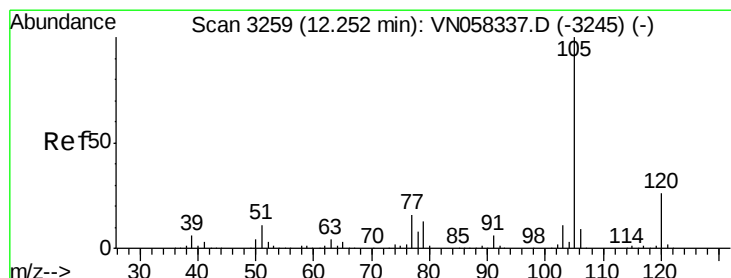
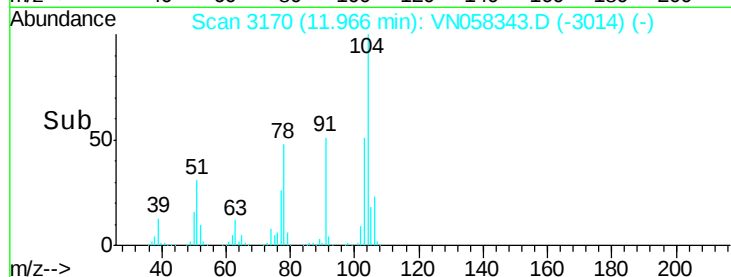
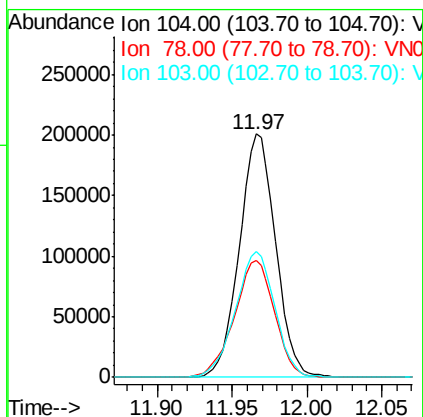
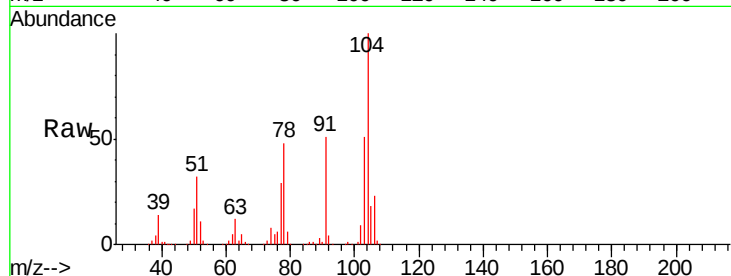




#69
Styrene
Concen: 19.956 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

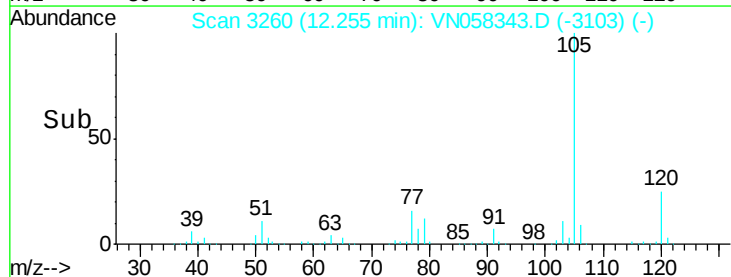
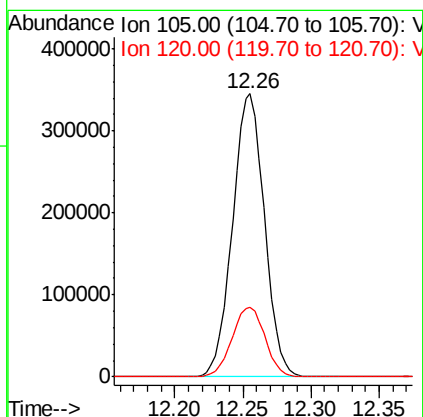
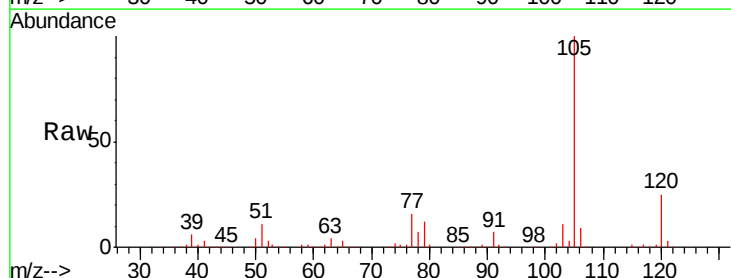
Instrument :
MSVOA_N
ClientSampled :
ICVVN092419

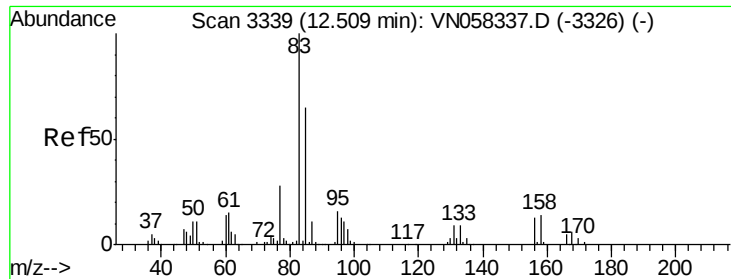
Tgt Ion:104 Resp: 339552
Ion Ratio Lower Upper
104 100
78 53.4 42.3 63.5
103 56.2 44.1 66.1



#70
Isopropylbenzene
Concen: 21.239 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:105 Resp: 560023
Ion Ratio Lower Upper
105 100
120 25.4 18.2 33.8

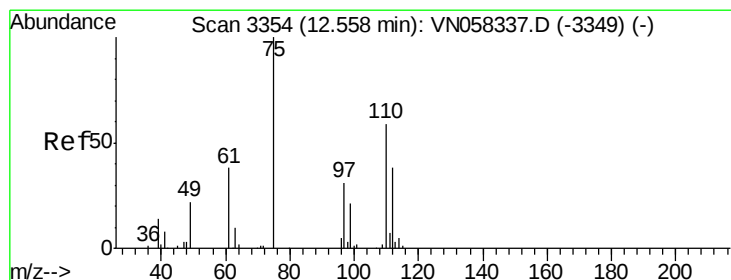
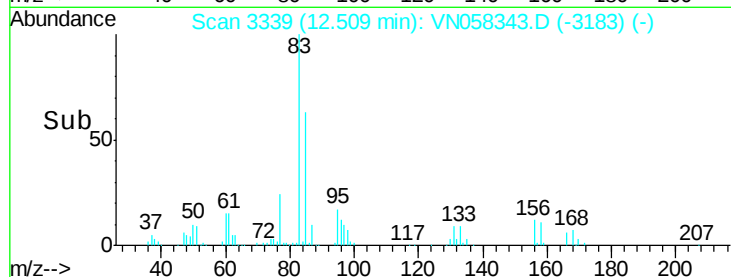
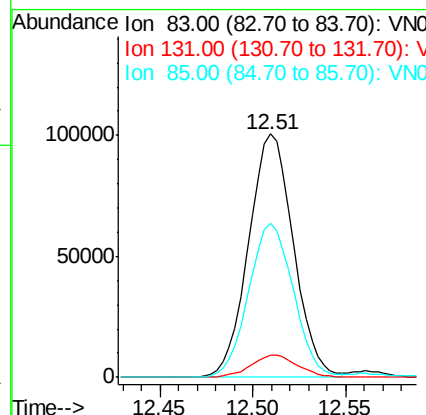
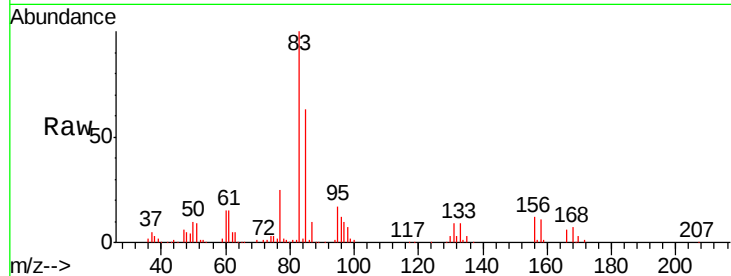




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.125 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

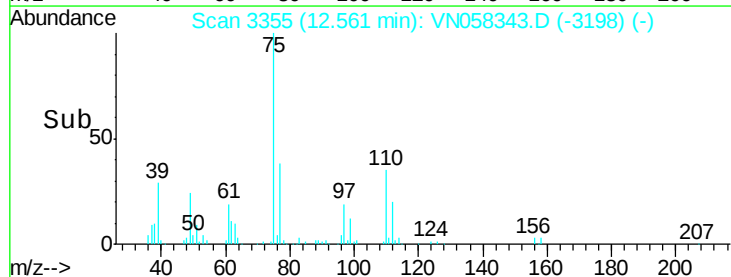
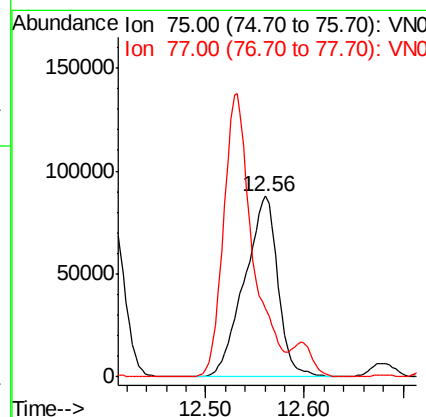
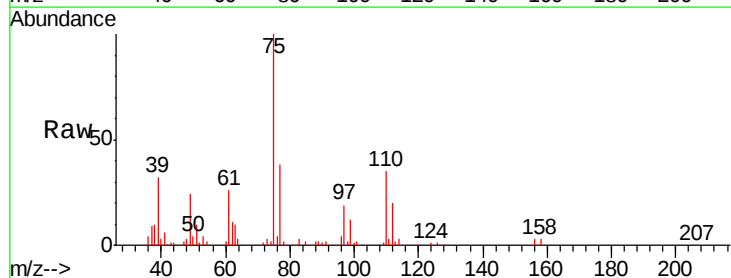
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092419

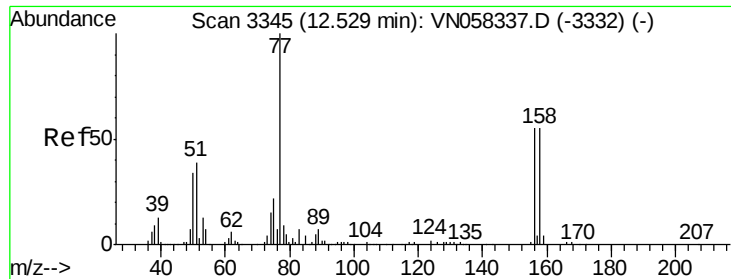
Tgt Ion: 83 Resp: 168653
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 63.2 32.6 97.7



#72
 1,2,3-Trichloropropane
 Concen: 28.611 ug/l
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 75 Resp: 206206
 Ion Ratio Lower Upper
 75 100
 77 138.3 0.0 382.4





#73

Bromobenzene

Concen: 19.841 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

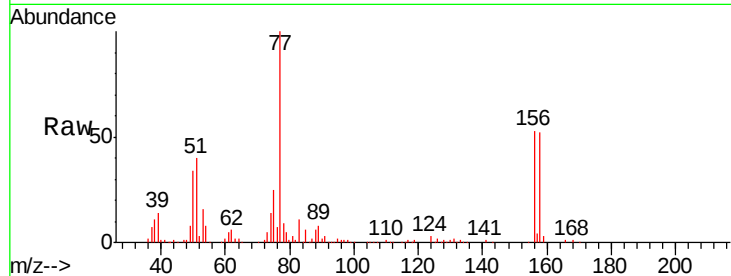
Tgt Ion:156 Resp: 126712

Ion Ratio Lower Upper

156 100

77 225.0 0.0 438.8

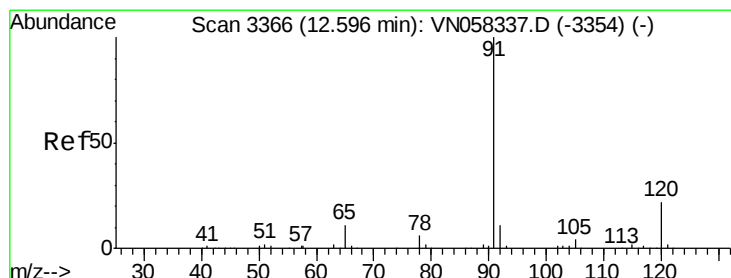
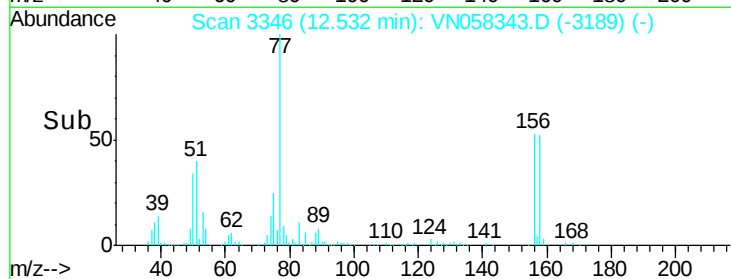
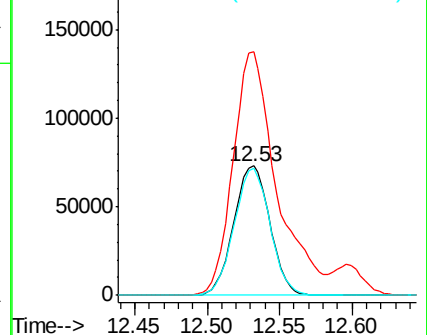
158 96.9 0.0 195.6



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: 21.731 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058343.D

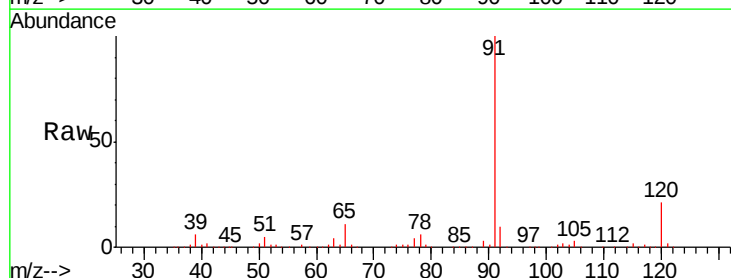
Acq: 24 Sep 2019 13:43

Tgt Ion: 91 Resp: 660554

Ion Ratio Lower Upper

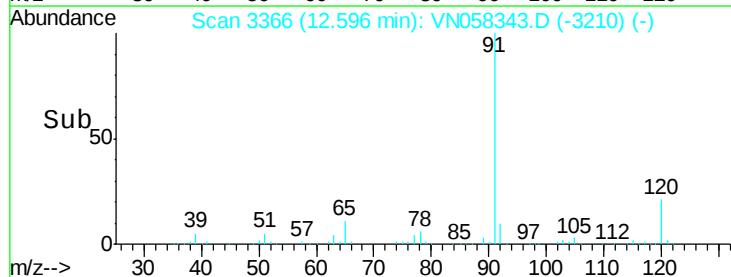
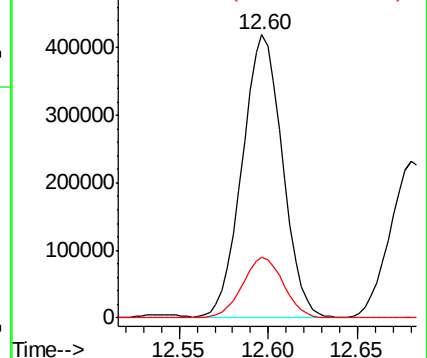
91 100

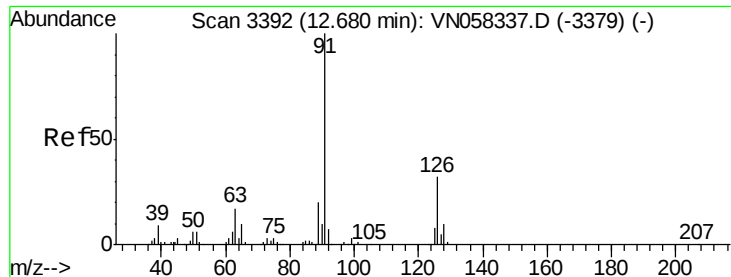
120 21.8 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.386 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

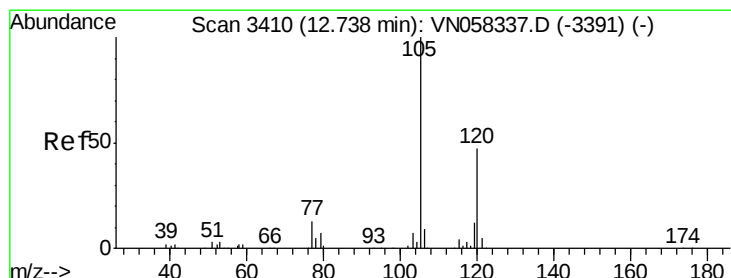
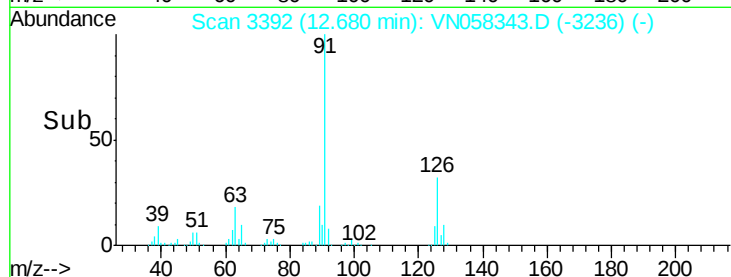
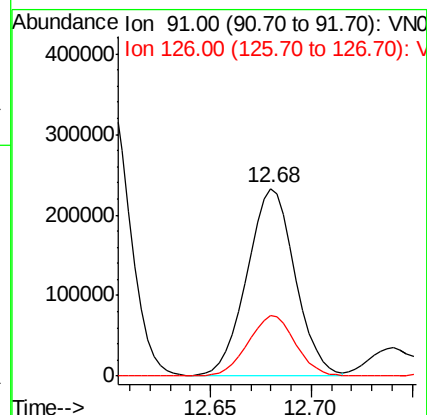
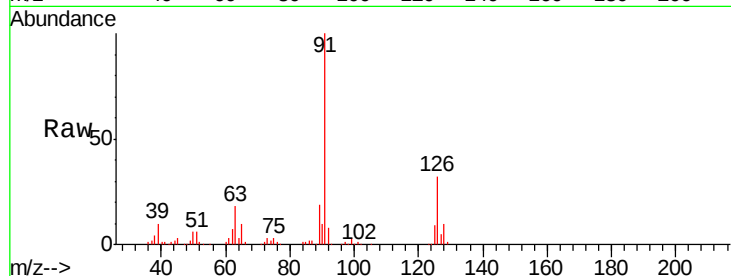
ICVFN092419

Tgt Ion: 91 Resp: 387633

Ion Ratio Lower Upper

91 100

126 32.0 0.0 65.0



#76

1,3,5-Trimethylbenzene

Concen: 20.850 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058343.D

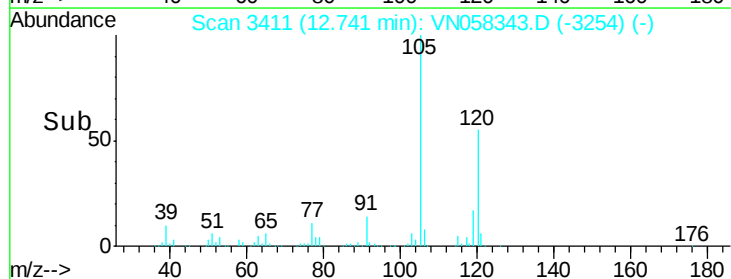
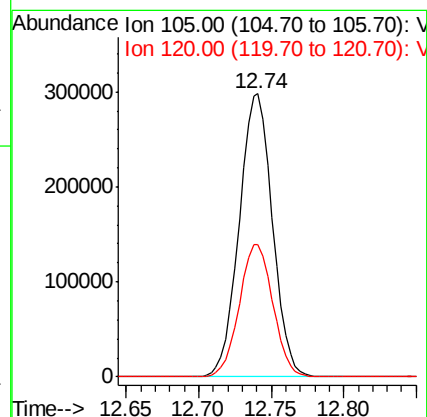
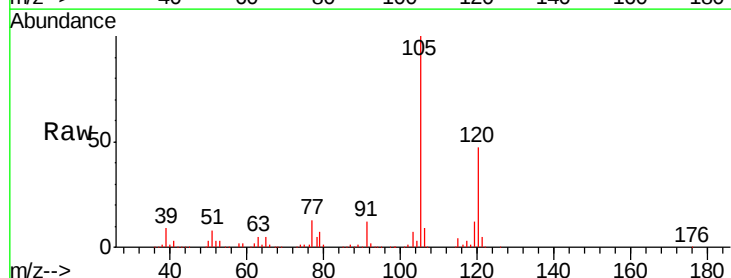
Acq: 24 Sep 2019 13:43

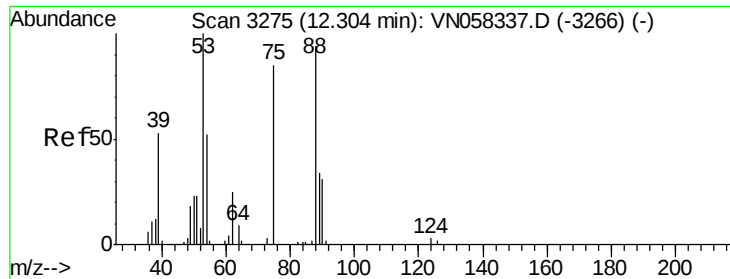
Tgt Ion: 105 Resp: 473360

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.625 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

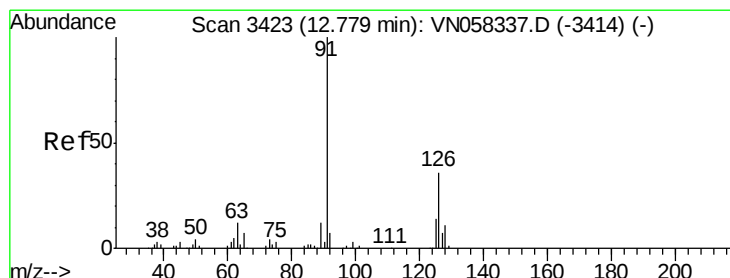
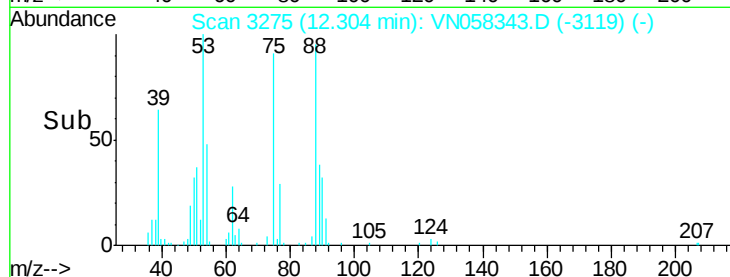
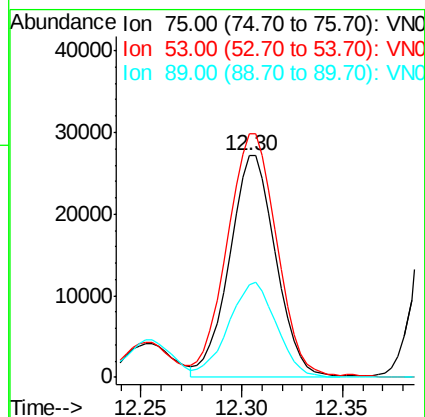
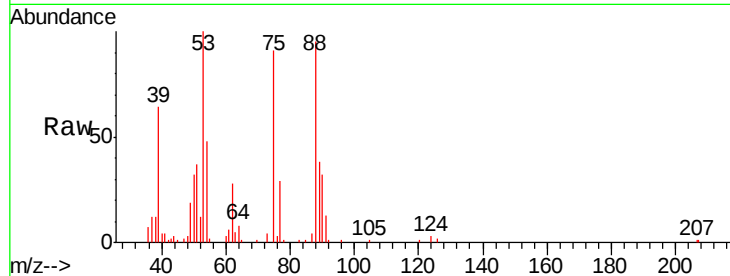
Tgt Ion: 75 Resp: 43786

Ion Ratio Lower Upper

75 100

53 109.8 59.0 176.8

89 42.2 21.6 65.0



#78

4-Chlorotoluene

Concen: 20.475 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058343.D

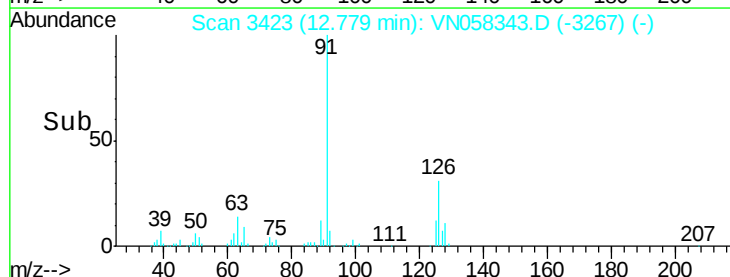
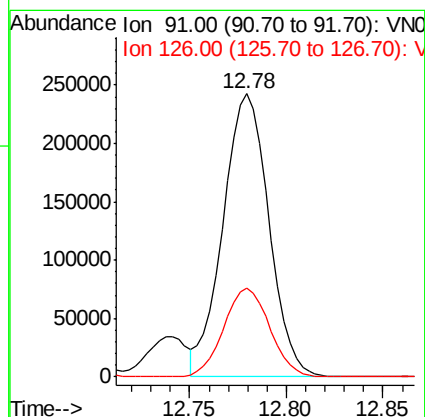
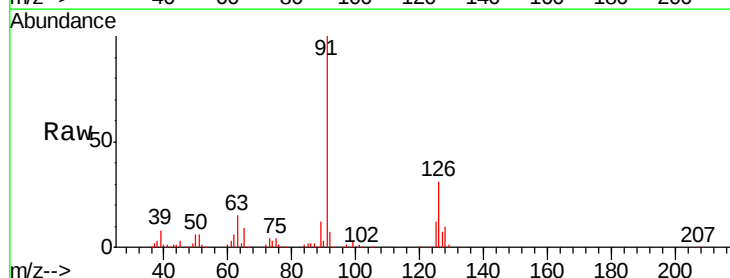
Acq: 24 Sep 2019 13:43

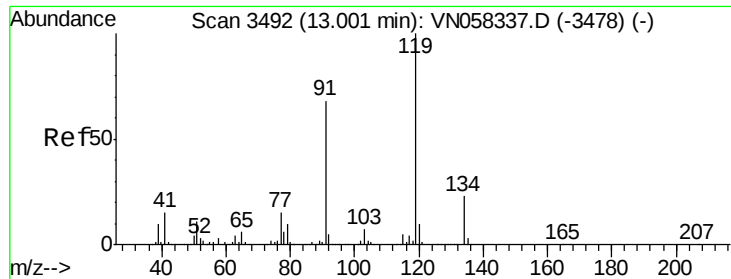
Tgt Ion: 91 Resp: 399005

Ion Ratio Lower Upper

91 100

126 31.7 0.0 63.8

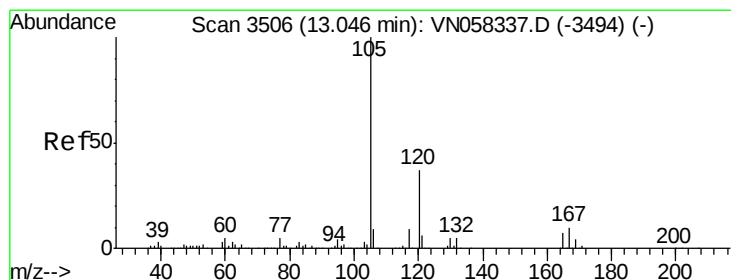
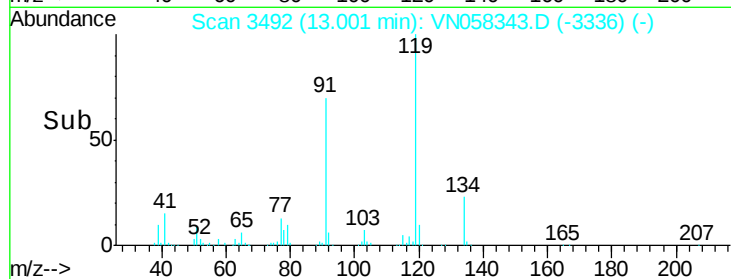
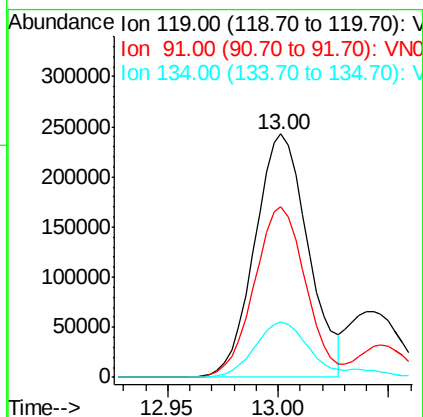
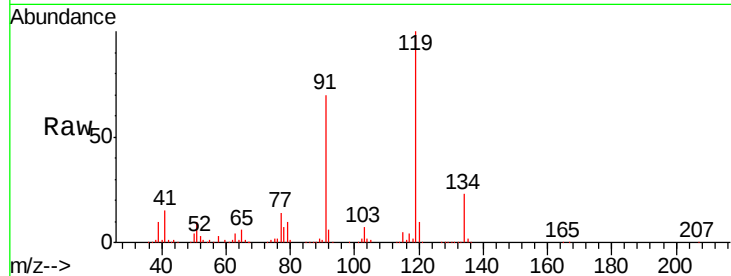




#79
tert-butylbenzene
Concen: 20.671 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

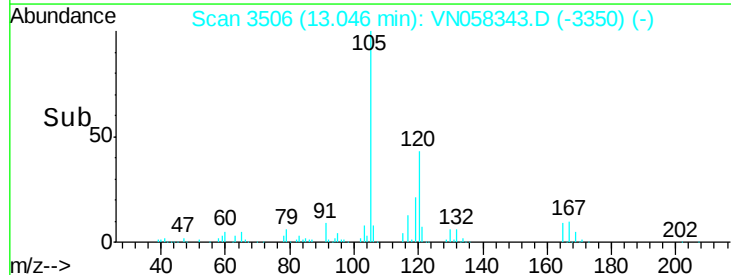
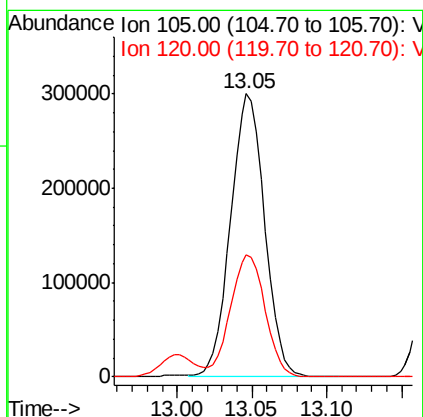
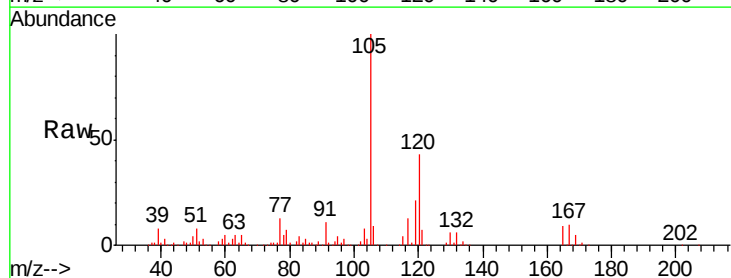
Instrument :
MSVOA_N
ClientSampleId :
ICVVN092419

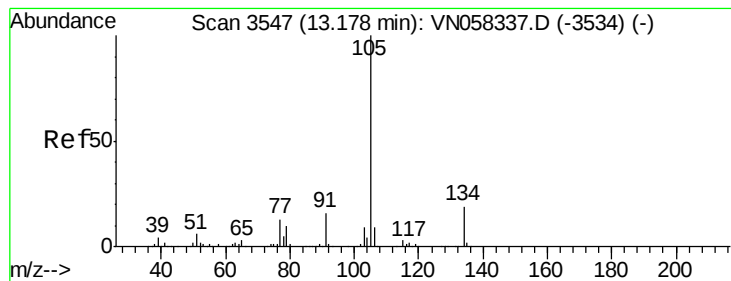
Tgt Ion:119 Resp: 406337
Ion Ratio Lower Upper
119 100
91 68.0 0.0 138.2
134 23.0 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 21.003 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058343.D
Acq: 24 Sep 2019 13:43

Tgt Ion:105 Resp: 475963
Ion Ratio Lower Upper
105 100
120 43.6 0.0 86.6





#81

sec-Butylbenzene

Concen: 21.242 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

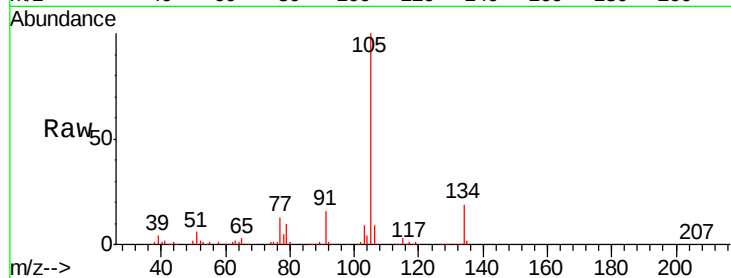
ICVVN092419

Tgt Ion:105 Resp: 547676

Ion Ratio Lower Upper

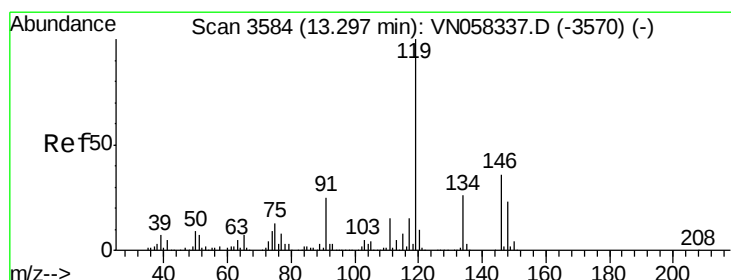
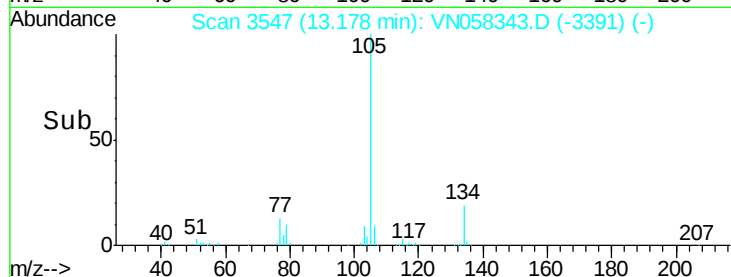
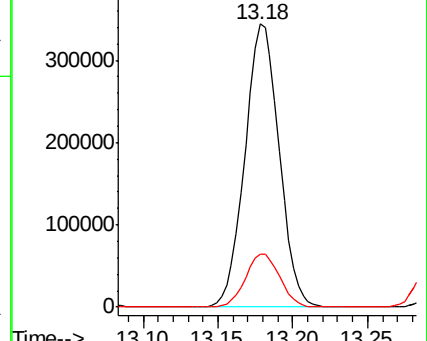
105 100

134 18.8 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: 21.242 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

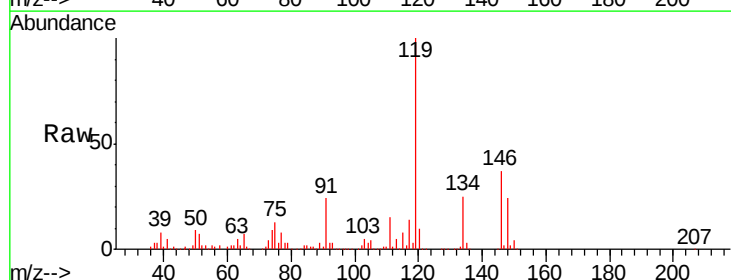
Tgt Ion:119 Resp: 493187

Ion Ratio Lower Upper

119 100

134 25.5 0.0 51.6

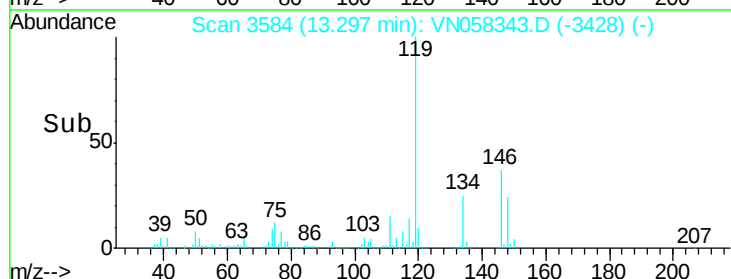
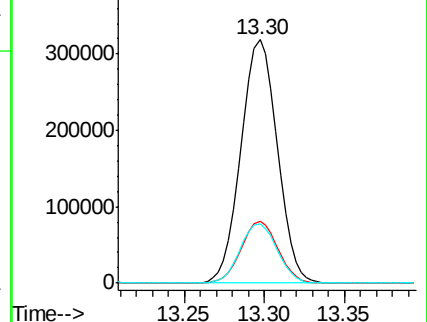
91 24.7 0.0 49.6

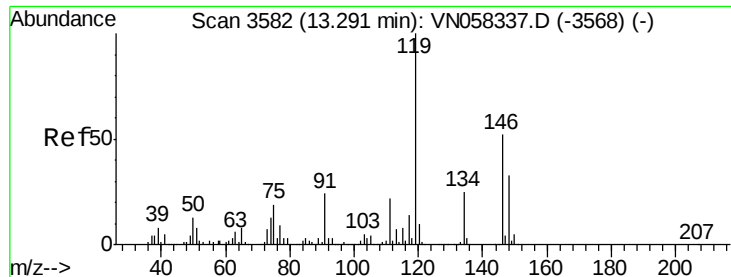


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

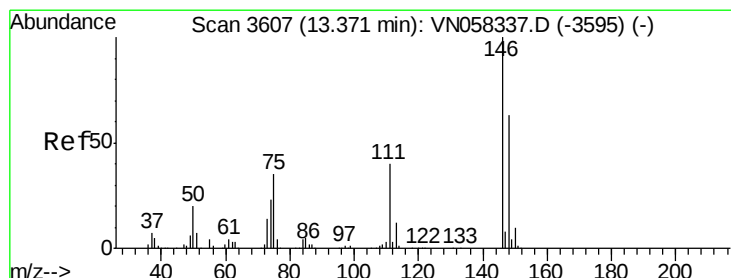
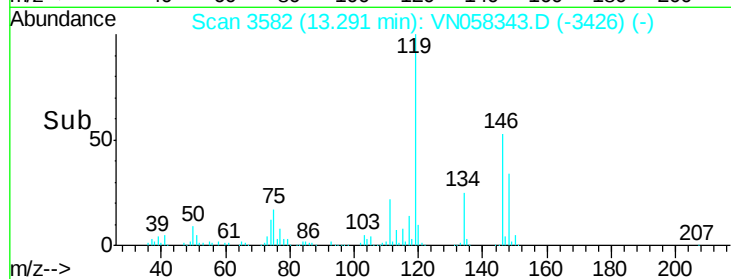
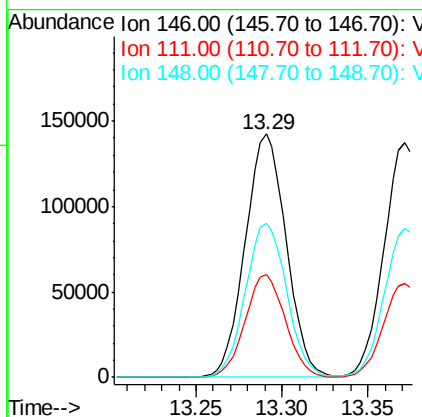
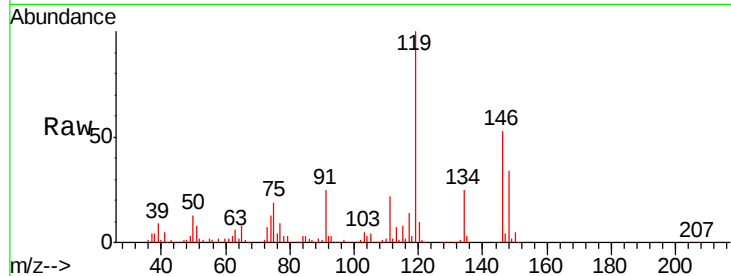




#83
 1,3-Dichlorobenzene
 Concen: 20.001 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

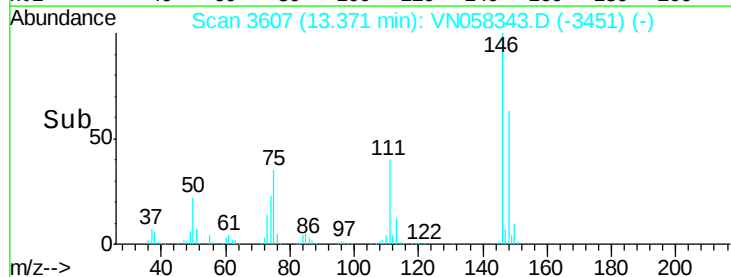
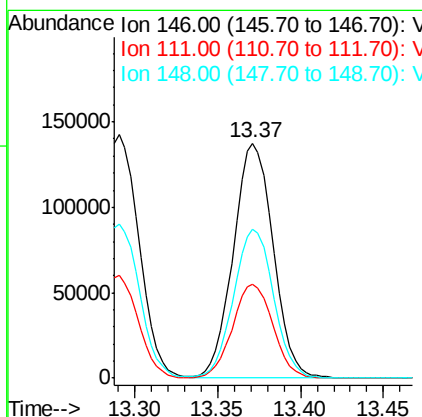
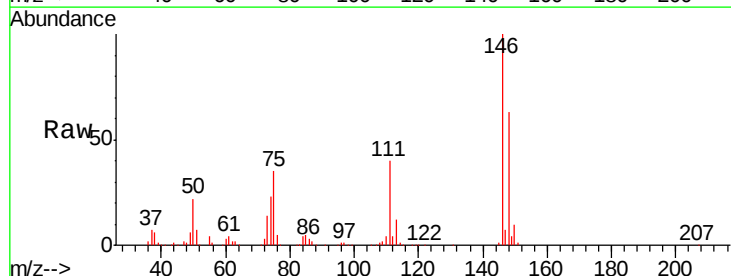
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

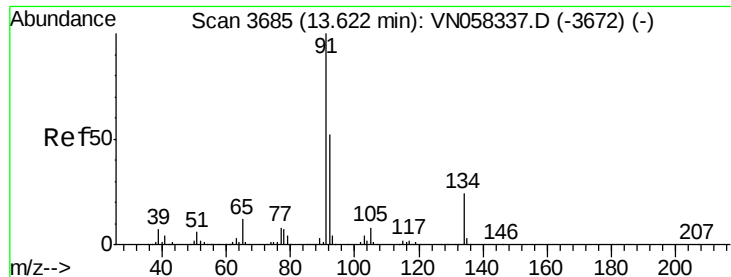
Tgt Ion:146 Resp: 235670
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.8
 148 63.7 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 19.512 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:146 Resp: 228821
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.4 61.3
 148 63.9 31.9 95.7





#85

n-Butylbenzene

Concen: 20.689 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

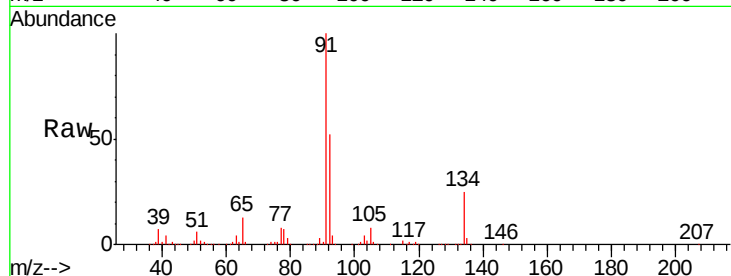
Tgt Ion: 91 Resp: 446283

Ion Ratio Lower Upper

91 100

92 51.5 0.0 102.6

134 24.3 0.0 47.8

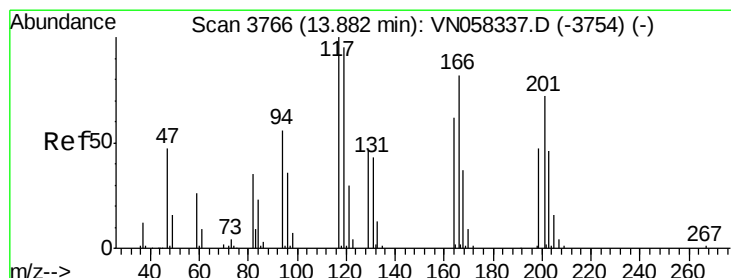
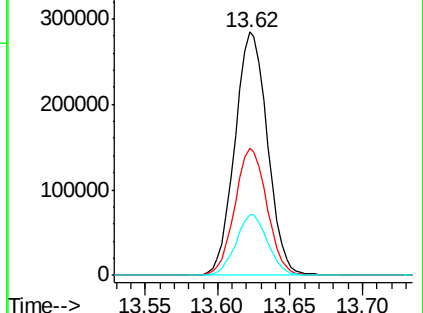
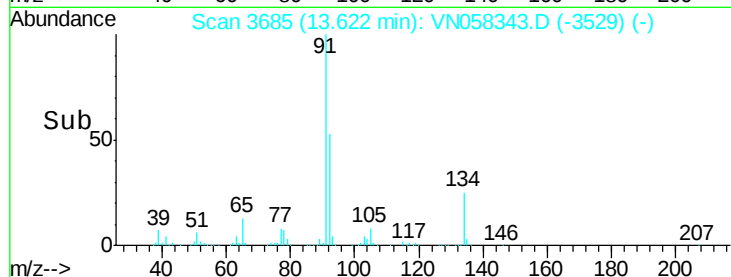


Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3672) (-)

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

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

Time-->



#86

Hexachloroethane

Concen: 19.084 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058343.D

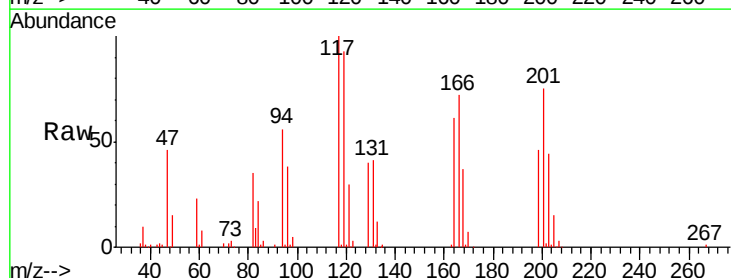
Acq: 24 Sep 2019 13:43

Tgt Ion: 117 Resp: 71569

Ion Ratio Lower Upper

117 100

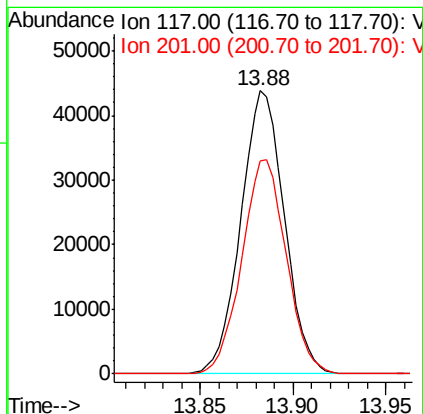
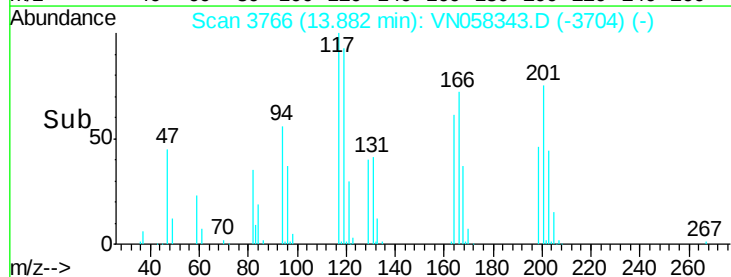
201 77.0 37.2 111.6

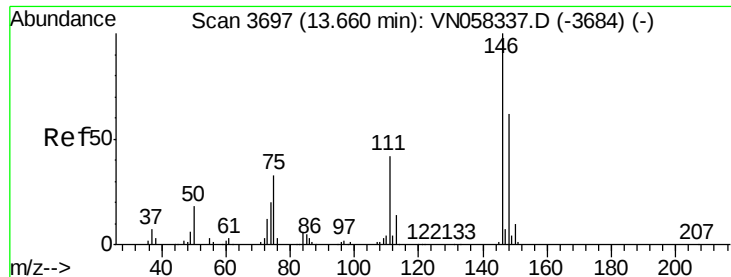


Abundance Ion 117.00 (116.70 to 117.70): VN058337.D (-3754) (-)

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

Time-->

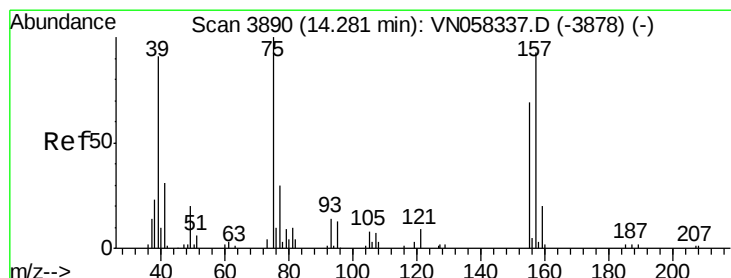
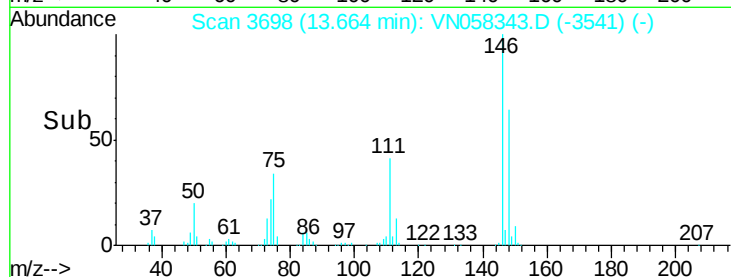
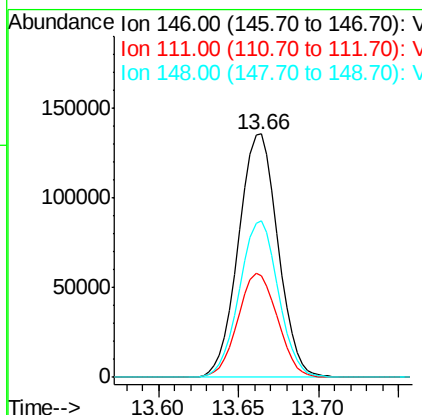
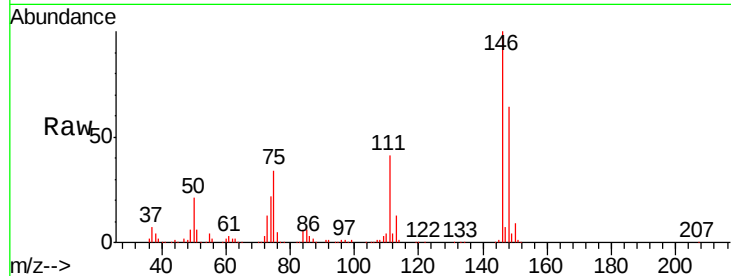




#87
 1,2-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

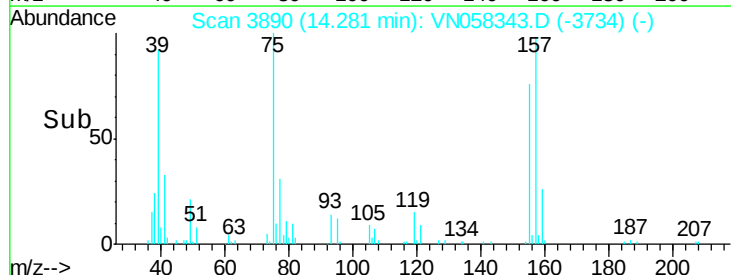
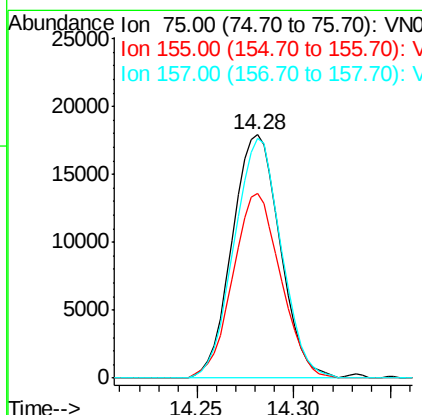
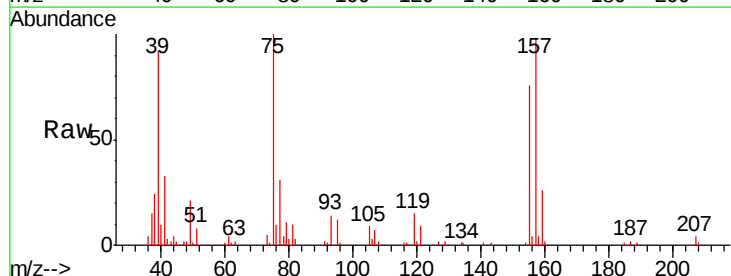
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

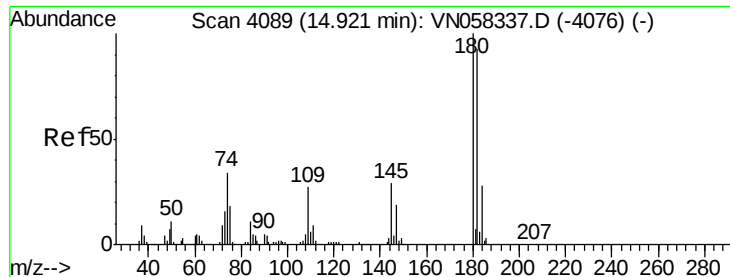
Tgt Ion: 146 Resp: 228429
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.3
 148 63.4 31.9 95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.883 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion: 75 Resp: 30885
 Ion Ratio Lower Upper
 75 100
 155 75.7 58.5 87.7
 157 96.5 75.4 113.2

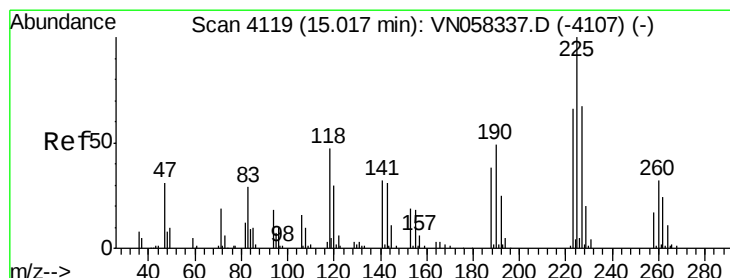
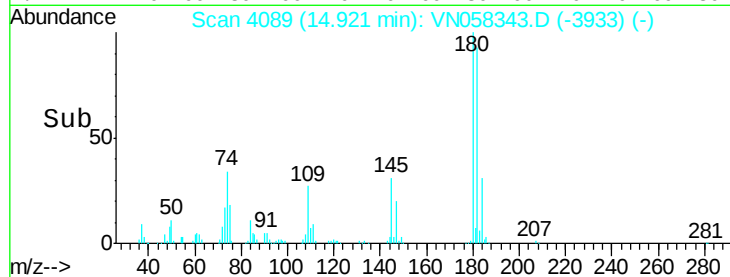
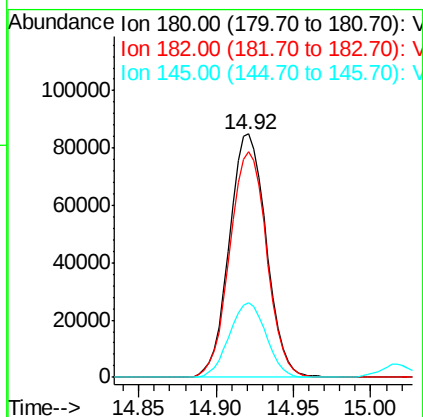
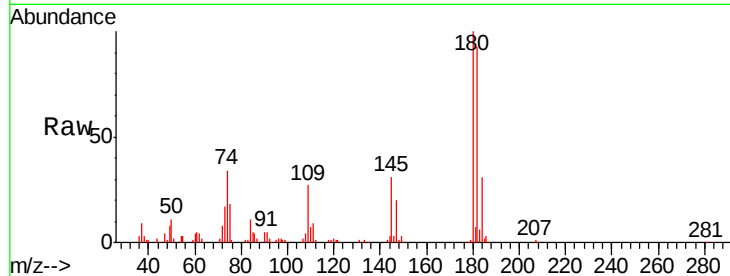




#89
 1,2,4-Trichlorobenzene
 Concen: 18.784 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

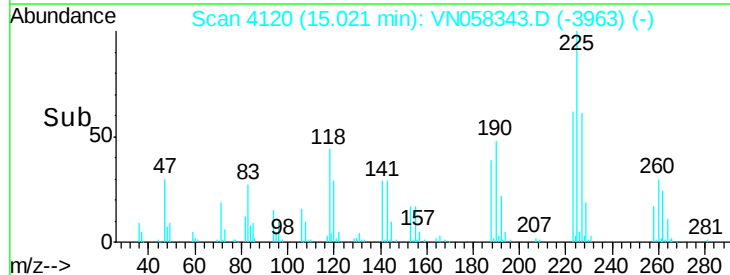
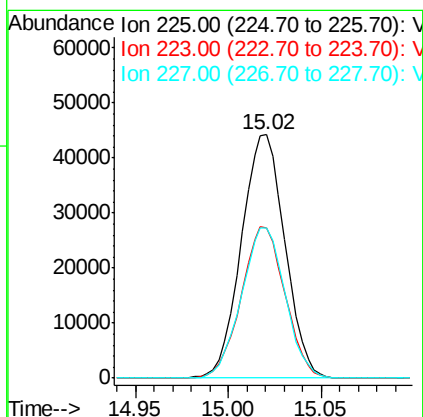
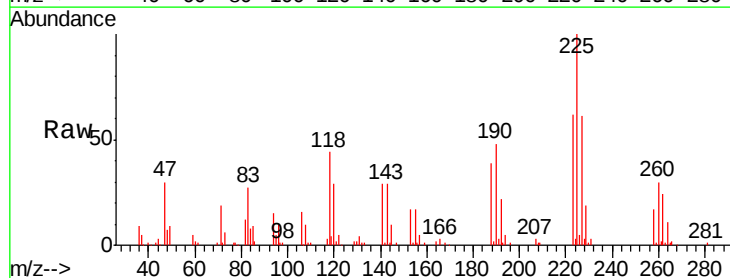
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092419

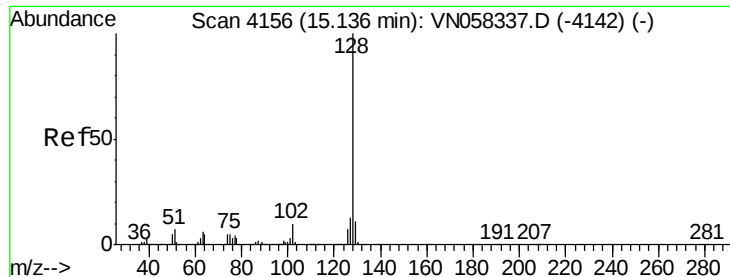
Tgt Ion:180 Resp: 141198
 Ion Ratio Lower Upper
 180 100
 182 92.4 75.2 112.8
 145 30.5 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 19.805 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058343.D
 Acq: 24 Sep 2019 13:43

Tgt Ion:225 Resp: 72033
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 132.6
 227 61.9 0.0 129.2





#91

Naphthalene

Concen: 19.137 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092419

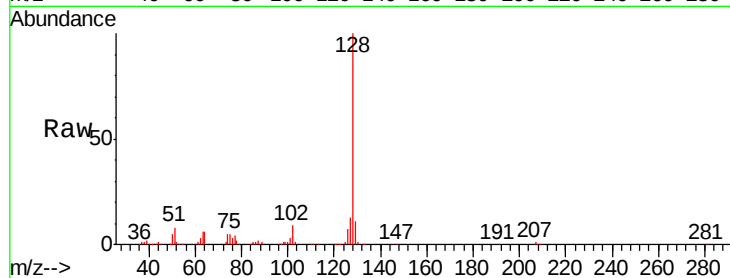
Tgt Ion:128 Resp: 395042

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

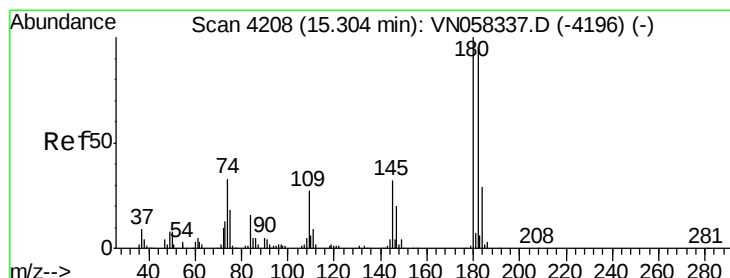
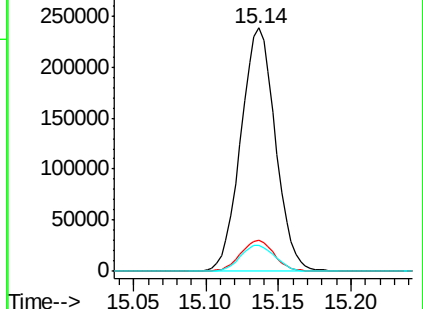
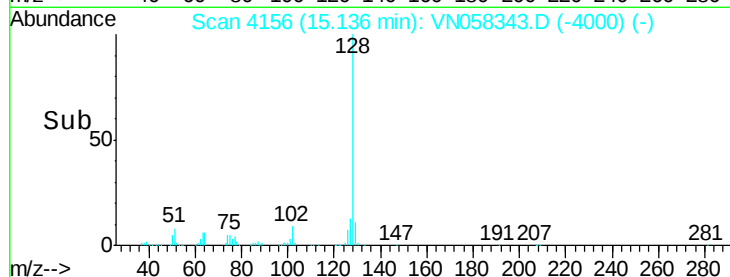
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.502 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058343.D

Acq: 24 Sep 2019 13:43

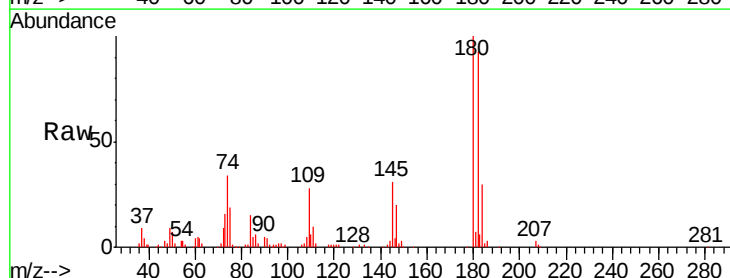
Tgt Ion:180 Resp: 133570

Ion Ratio Lower Upper

180 100

182 92.8 0.0 189.4

145 31.0 0.0 64.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

