

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058346.D
 Acq On : 24 Sep 2019 15:24
 Operator : JC/SP
 Sample : VN0924WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Quant Time: Sep 25 01:41:38 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	79809	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	470438	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	421282	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	217174	30.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.60%
60) 4-Bromofluorobenzene	12.41	95	211675	29.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.80%
63) Toluene-d8	10.08	98	601156	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	99793	20.793	ug/l 99
3) Chloromethane	2.04	50	114573	20.675	ug/l 100
4) Vinyl Chloride	2.17	62	114265	20.664	ug/l 97
5) Bromomethane	2.55	94	58801	19.584	ug/l 98
6) Chloroethane	2.69	64	67440	20.637	ug/l 96
7) Trichlorofluoromethane	3.00	101	136874	21.023	ug/l 100
8) Diethyl Ether	3.39	74	60373	20.858	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94343	21.050	ug/l 89
10) 1,1-Dichloroethene	3.72	96	90088	20.562	ug/l 93
11) Methyl Iodide	3.93	142	90841	20.223	ug/l 99
12) Methyl Acetate	4.30	43	115577	19.806	ug/l 99
13) Acrolein	3.59	56	17569	105.881	ug/l 99
14) Acrylonitrile	4.96	53	238903	99.153	ug/l 98
15) Acetone	3.80	58	75260	112.652	ug/l 98
16) Carbon Disulfide	4.03	76	236238	19.403	ug/l 100
17) Allyl chloride	4.30	41	164853	20.144	ug/l 94
18) Methylene Chloride	4.53	84	108806	21.052	ug/l 93
19) trans-1,2-Dichloroethene	5.01	96	100890	20.540	ug/l 91
20) Diisopropyl ether	5.93	45	353584	20.277	ug/l 98
21) 1,1-Dichloroethane	5.82	63	201930	20.694	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	118921	20.844	ug/l 98
23) tert-Butyl Alcohol	4.76	59	86863	97.658	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	323199	20.551	ug/l 100
25) Chloroform	7.36	83	203821	20.628	ug/l 99
26) Cyclohexane	7.64	56	180964	19.842	ug/l 100
29) 1,1-Dichloropropene	7.78	75	155474	20.247	ug/l 99
30) 2-Butanone	6.81	43	356570	102.264	ug/l 100
31) 2,2-Dichloropropane	6.80	77	160302	20.277	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	166983	20.161	ug/l 99
33) Carbon Tetrachloride	7.76	117	139673	19.849	ug/l 99
34) Benzene	8.02	78	441231	20.255	ug/l 97
35) Methacrylonitrile	7.15	41	48373	16.129	ug/l 89
36) 1,2-Dichloroethane	8.11	62	171331	20.078	ug/l 100
37) Trichloroethene	8.82	130	109478	20.075	ug/l 100
38) Methylcyclohexane	9.07	83	183100	19.719	ug/l 98
39) 1,2-Dichloropropane	9.11	63	122018	20.535	ug/l 99
40) Dibromomethane	9.20	93	77085	20.555	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	147875	19.949	ug/l	97
42) Vinyl Acetate	5.87	43	1454429	109.248	ug/l	100
43) Ethyl Acetate	6.91	43	143286	20.697	ug/l #	85
44) Isopropyl Acetate	8.15	43	238805	19.269	ug/l #	85
45) 1,4-Dioxane	9.19	88	40458	386.974	ug/l	97
46) Methyl methacrylate	9.19	41	112874	19.218	ug/l	97
47) n-amyl Acetate	12.08	43	200324	18.570	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	159017	19.633	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	179881	19.947	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	106258	20.274	ug/l	98
51) Ethyl methacrylate	10.43	69	162367	19.580	ug/l	98
52) 1,3-Dichloropropane	10.71	76	189234	20.329	ug/l	98
53) Dibromochloromethane	10.90	129	99980	18.988	ug/l	98
54) 1,2-Dibromoethane	11.00	107	108030	20.198	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	394711	112.412	ug/l	99
56) Bromoform	12.13	173	62646	18.862	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	717850	108.749	ug/l	100
59) 2-Hexanone	10.75	43	523488	104.902	ug/l	99
61) Tetrachloroethene	10.63	164	89411	20.258	ug/l	99
62) Toluene	10.15	91	479715	20.792	ug/l	100
64) Chlorobenzene	11.44	112	288160	20.324	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	97640	19.644	ug/l	99
66) Ethyl Benzene	11.51	91	538781	21.415	ug/l	99
67) m/p-Xylenes	11.62	106	388774	40.250	ug/l	99
68) o-Xylene	11.95	106	186334	19.839	ug/l	96
69) Styrene	11.97	104	317119	20.191	ug/l	99
70) Isopropylbenzene	12.26	105	522819	21.481	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	157577	20.370	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	186055	27.967	ug/l	67
73) Bromobenzene	12.53	156	116484	19.759	ug/l	96
74) n-propylbenzene	12.60	91	616421	21.969	ug/l	99
75) 2-Chlorotoluene	12.68	91	357271	20.355	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	441969	21.089	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	37712	17.378	ug/l	98
78) 4-Chlorotoluene	12.78	91	369098	20.518	ug/l	99
79) tert-butylbenzene	13.00	119	372150	20.510	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	436290	20.856	ug/l	98
81) sec-Butylbenzene	13.18	105	505415	21.237	ug/l	99
82) p-Isopropyltoluene	13.30	119	450948	21.041	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	215727	19.834	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	216633	20.012	ug/l	99
85) n-Butylbenzene	13.62	91	413483	20.765	ug/l	99
86) Hexachloroethane	13.88	117	66324	19.159	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	210112	19.783	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26880	17.804	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	132756	19.133	ug/l	99
90) Hexachlorobutadiene	15.02	225	66521	19.814	ug/l	95
91) Naphthalene	15.14	128	421670	22.129	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	119443	17.923	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

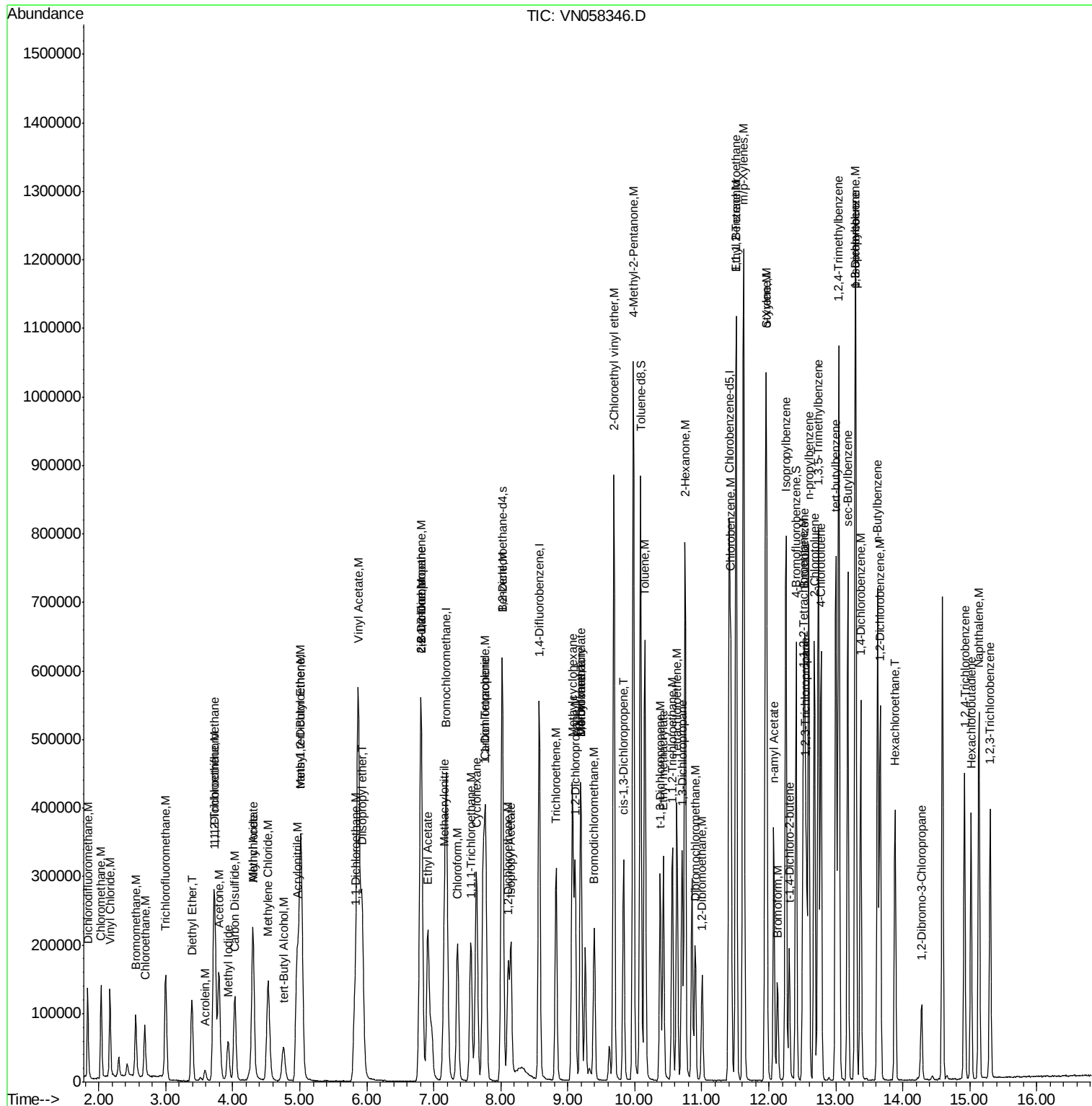
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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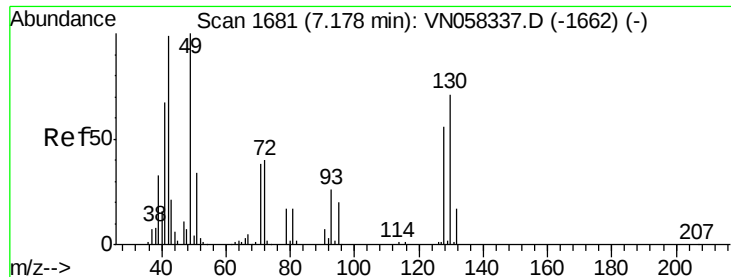
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 01:41:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

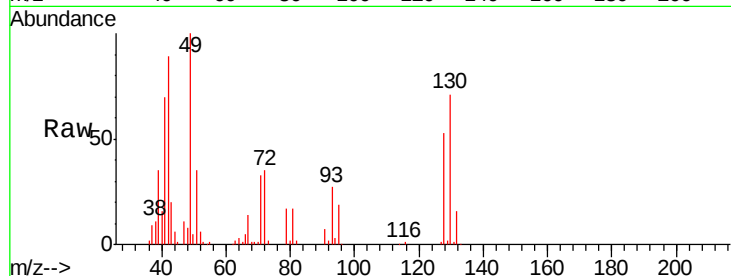
Tgt Ion:128 Resp: 79809

Ion Ratio Lower Upper

128 100

49 186.2 0.0 458.5

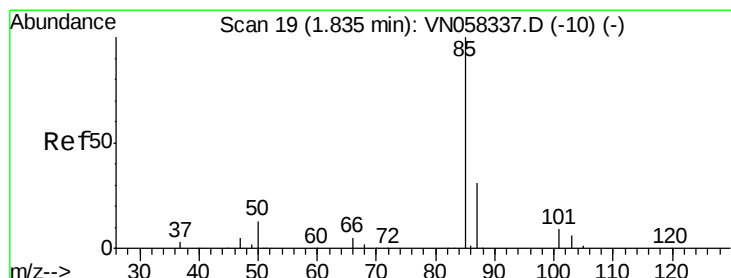
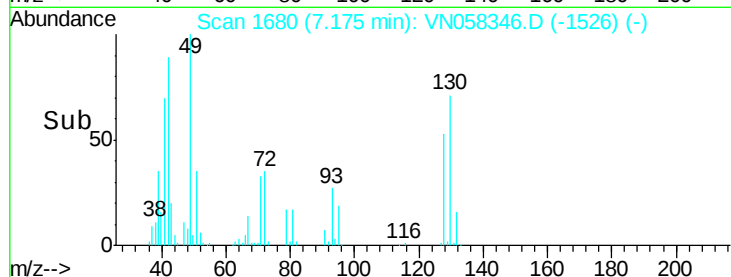
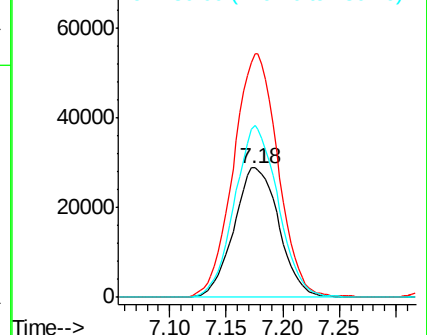
130 129.0 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.793 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058346.D

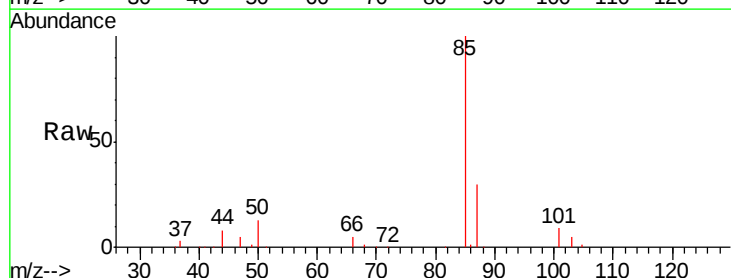
Acq: 24 Sep 2019 15:24

Tgt Ion: 85 Resp: 99793

Ion Ratio Lower Upper

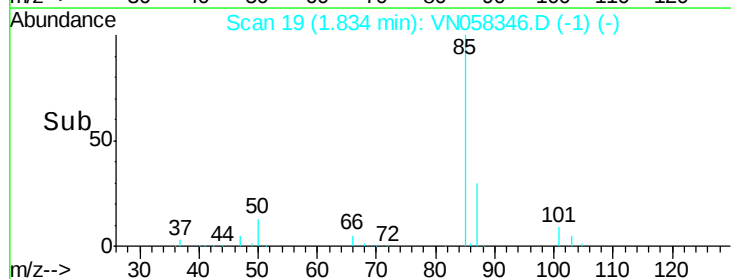
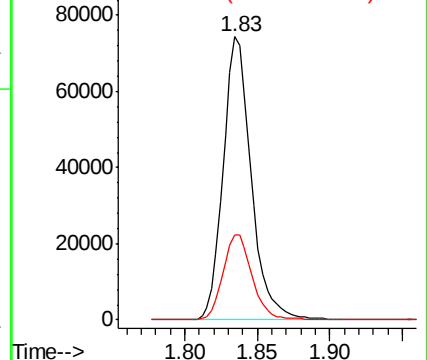
85 100

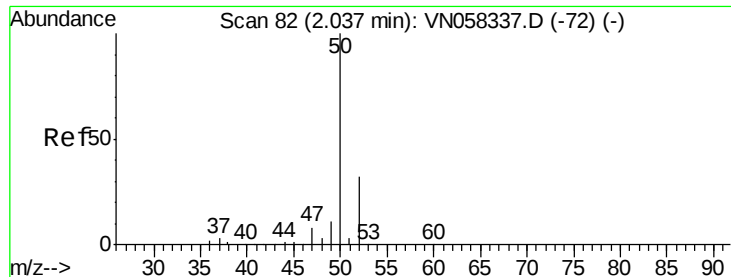
87 30.2 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.675 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

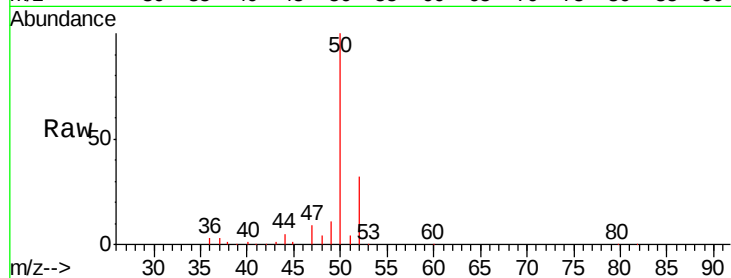
VN0924WBS01

Tgt Ion: 50 Resp: 114573

Ion Ratio Lower Upper

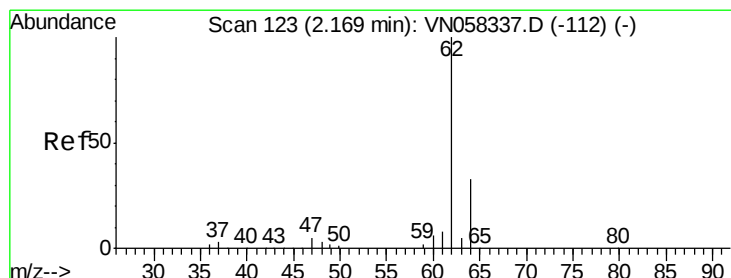
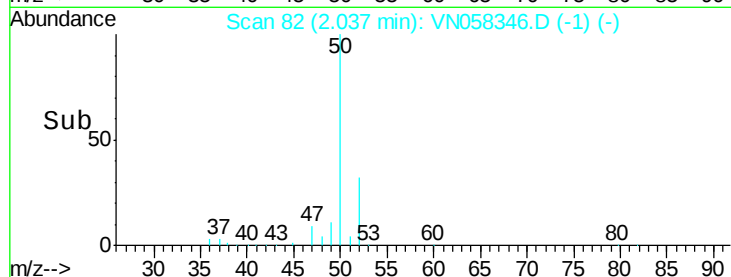
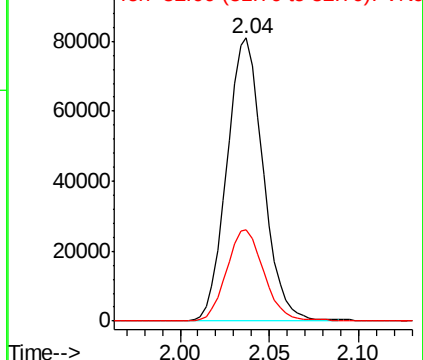
50 100

52 32.2 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: 20.664 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058346.D

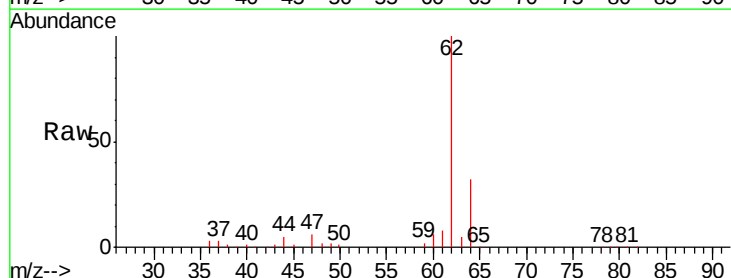
Acq: 24 Sep 2019 15:24

Tgt Ion: 62 Resp: 114265

Ion Ratio Lower Upper

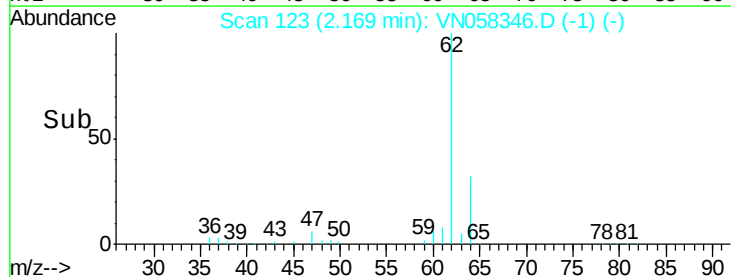
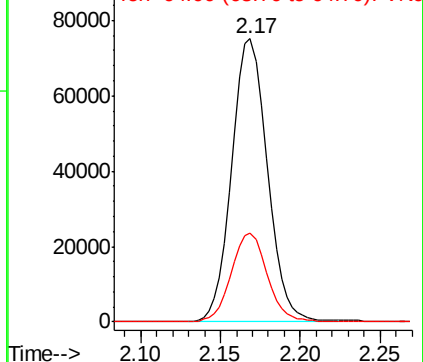
62 100

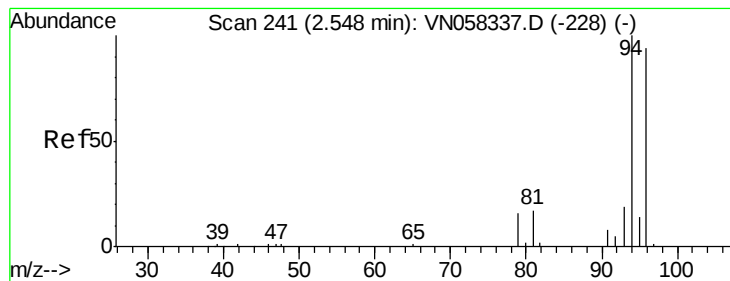
64 31.5 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.584 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

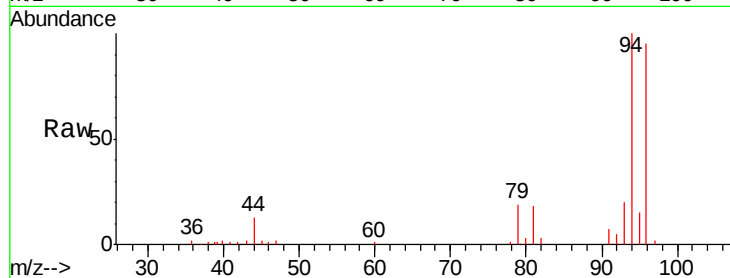
VN0924WBS01

Tgt Ion: 94 Resp: 58801

Ion Ratio Lower Upper

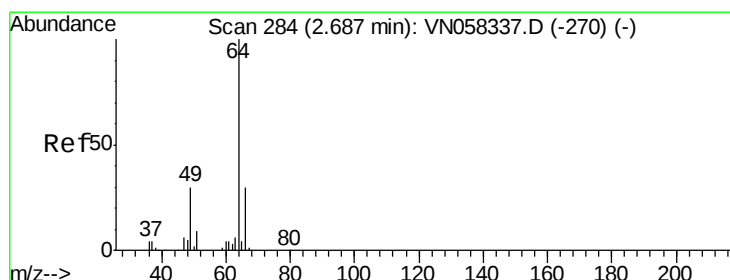
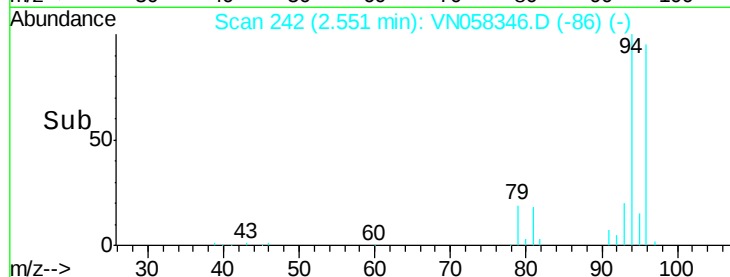
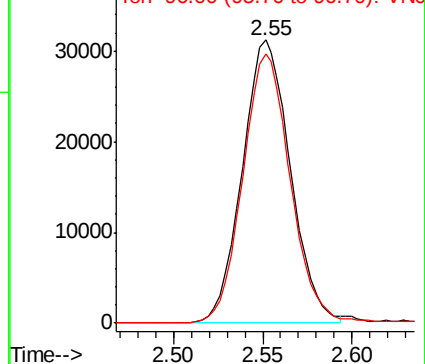
94 100

96 95.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.637 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058346.D

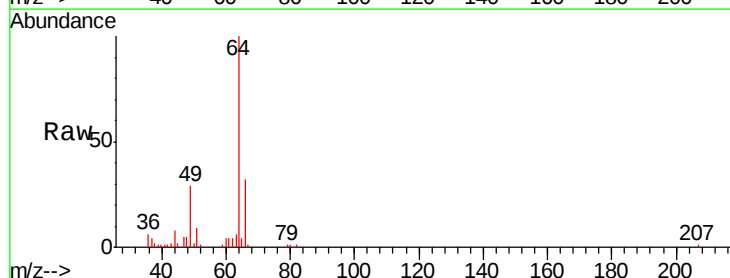
Acq: 24 Sep 2019 15:24

Tgt Ion: 64 Resp: 67440

Ion Ratio Lower Upper

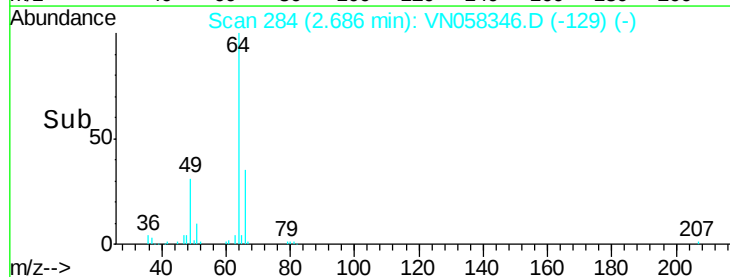
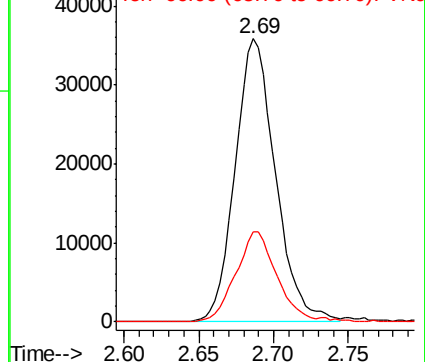
64 100

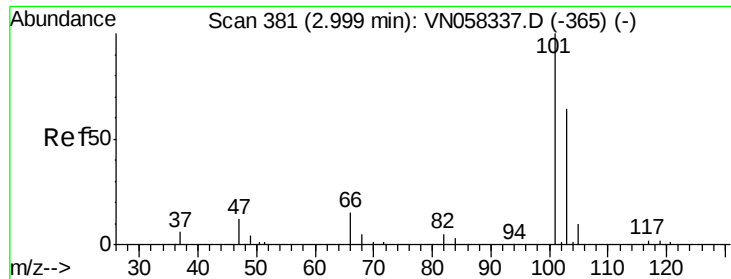
66 31.6 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



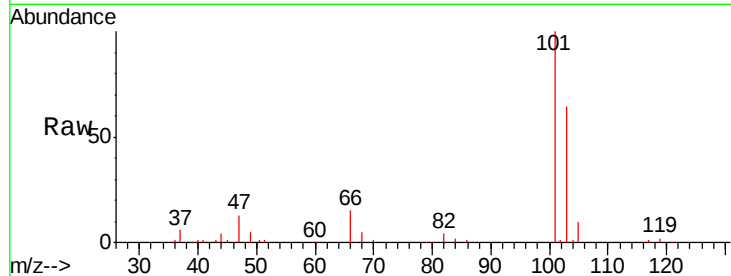


#7

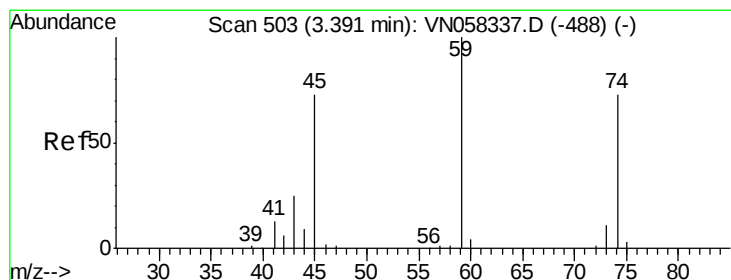
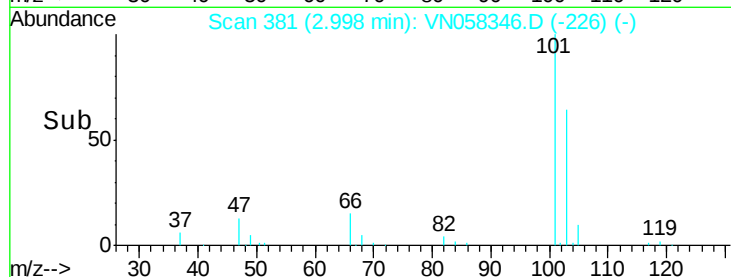
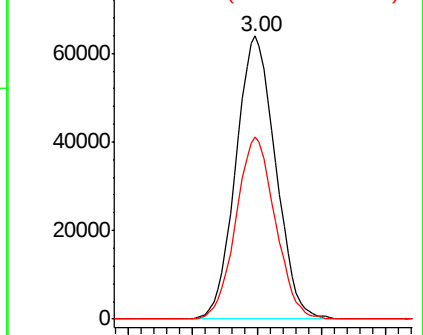
Trichlorofluoromethane
 Concen: 21.023 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Instrument :
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Tgt Ion: 101 Resp: 136874
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3



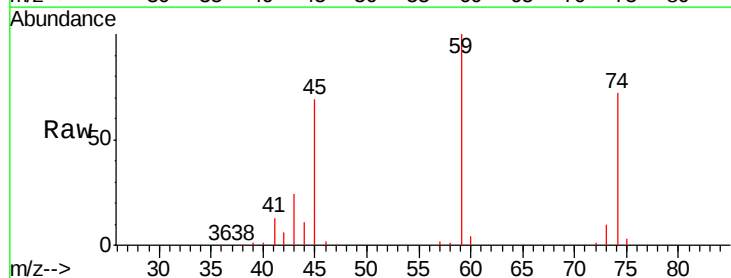
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



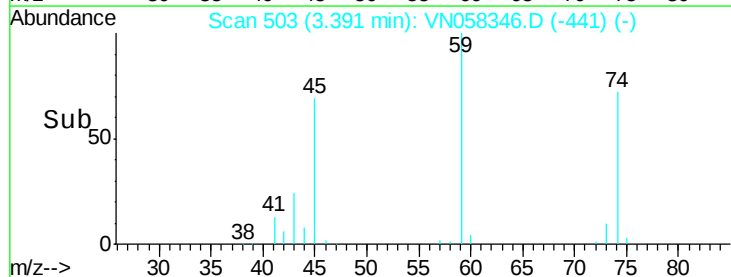
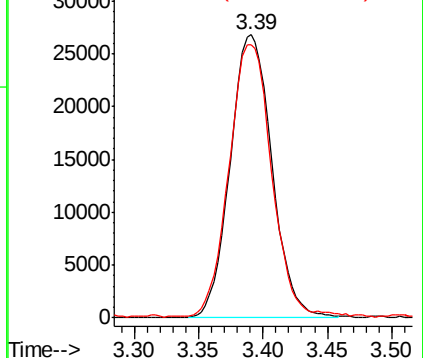
#8

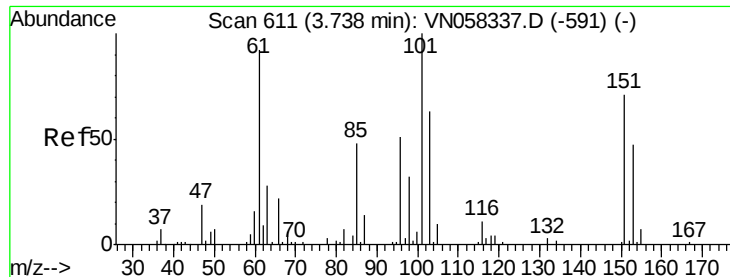
Diethyl Ether
 Concen: 20.858 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 74 Resp: 60373
 Ion Ratio Lower Upper
 74 100
 45 96.7 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: 21.050 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

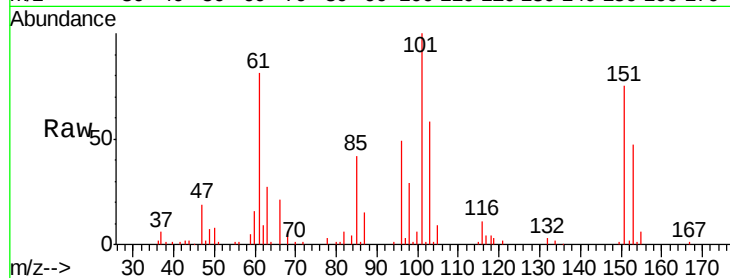
Tgt Ion:101 Resp: 94343

Ion Ratio Lower Upper

101 100

85 27.4 0.0 93.0

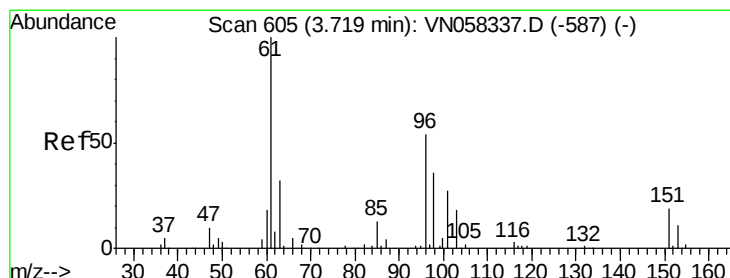
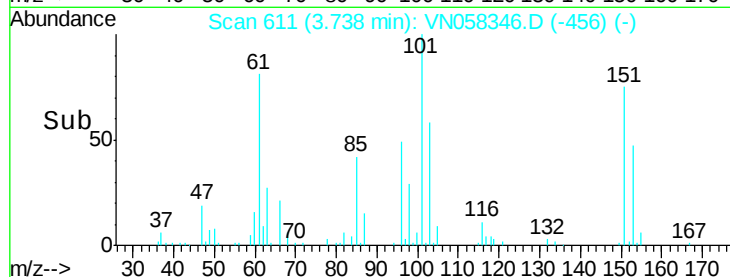
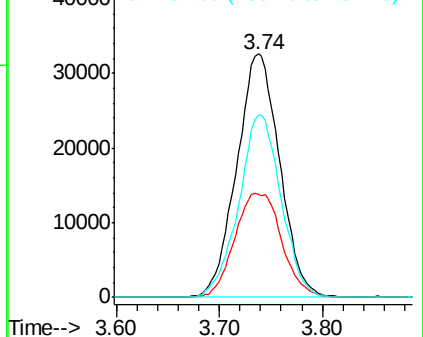
151 73.6 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.562 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

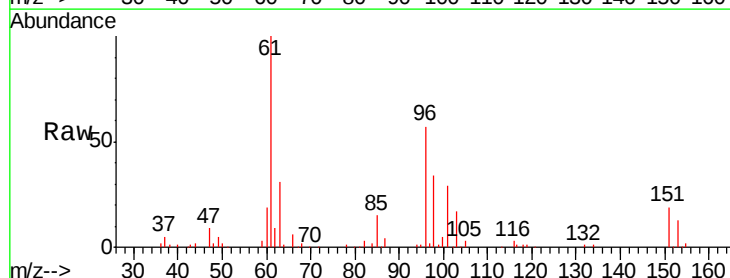
Tgt Ion: 96 Resp: 90088

Ion Ratio Lower Upper

96 100

61 174.6 146.9 220.3

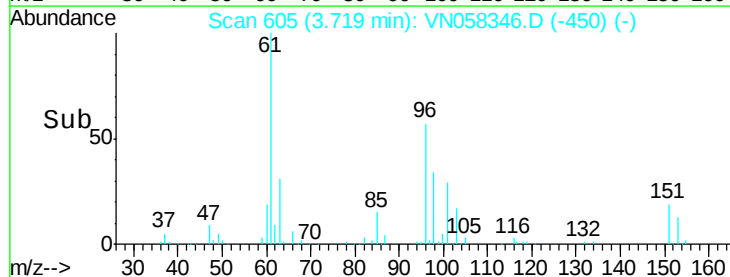
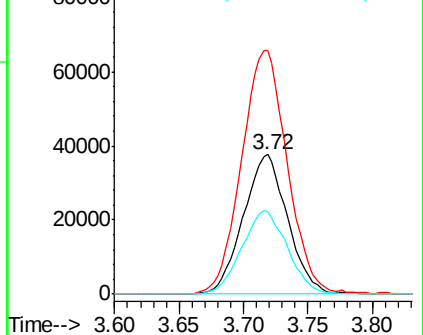
98 59.1 52.3 78.5

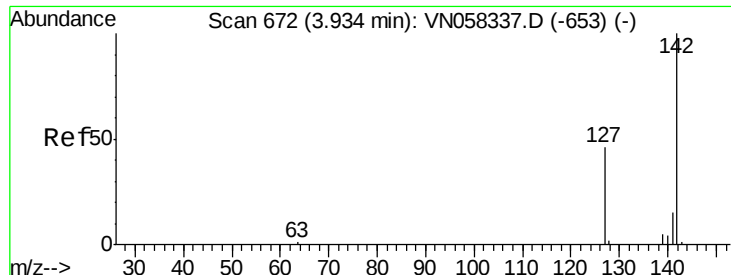


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

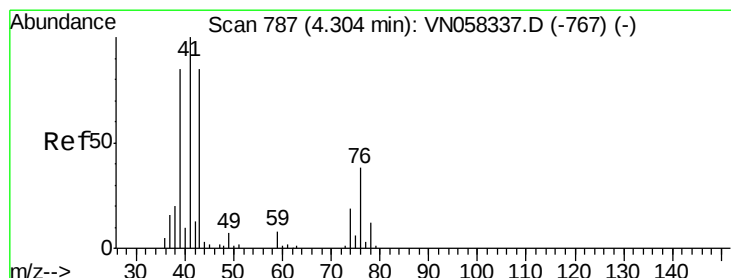
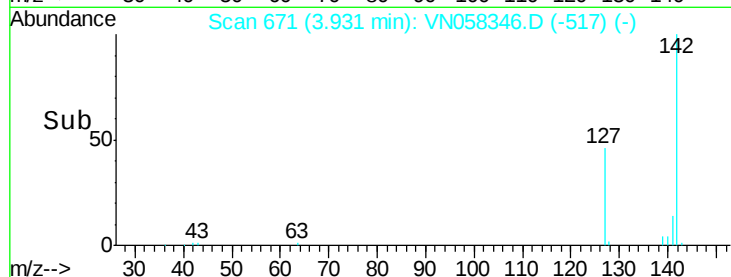
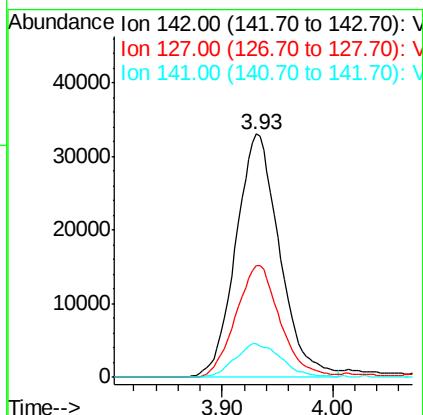
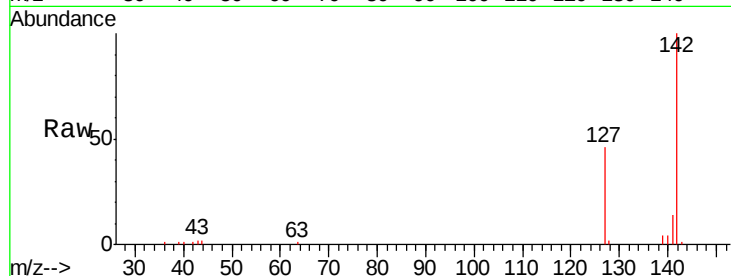




#11
Methyl Iodide
Concen: 20.223 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

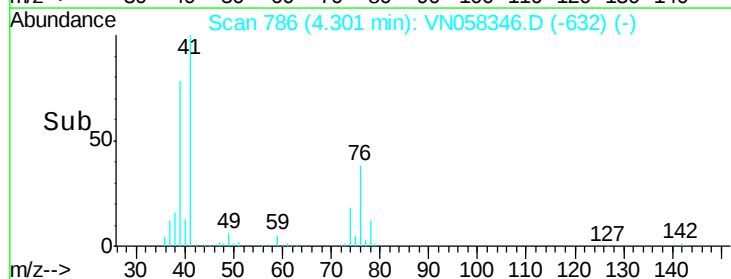
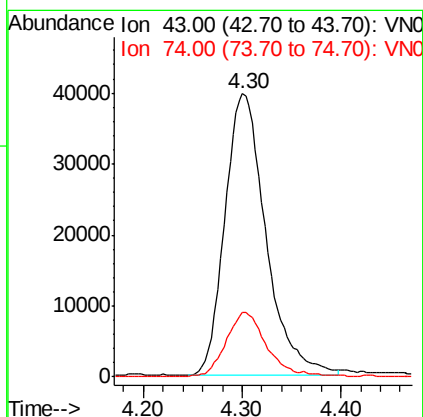
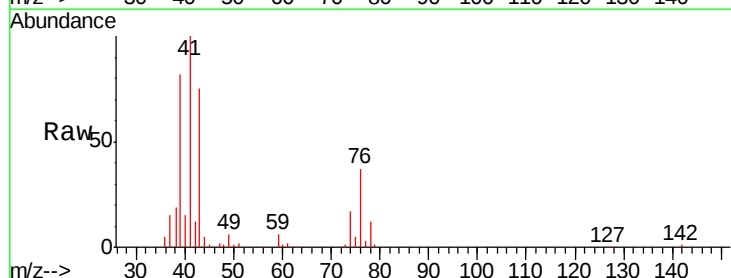
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

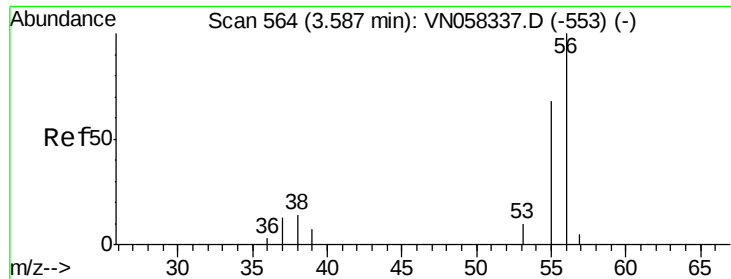
Tgt Ion: 142 Resp: 90841
Ion Ratio Lower Upper
142 100
127 45.9 22.9 68.7
141 14.0 7.4 22.3



#12
Methyl Acetate
Concen: 19.806 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 43 Resp: 115577
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6

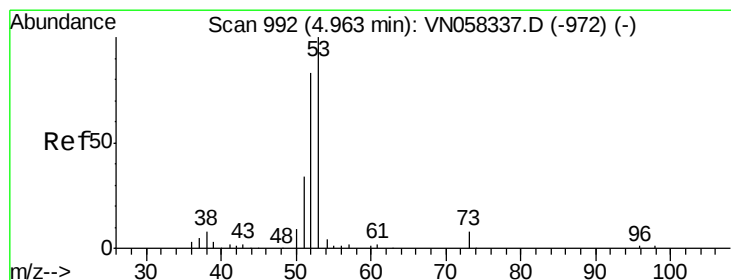
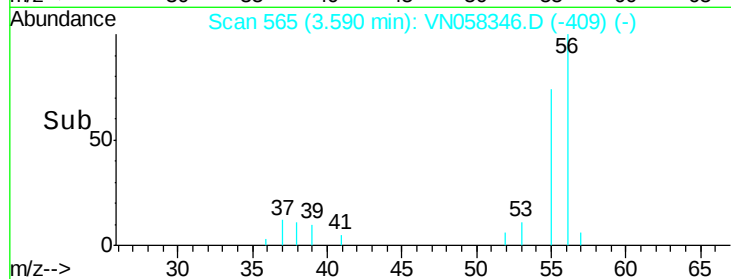
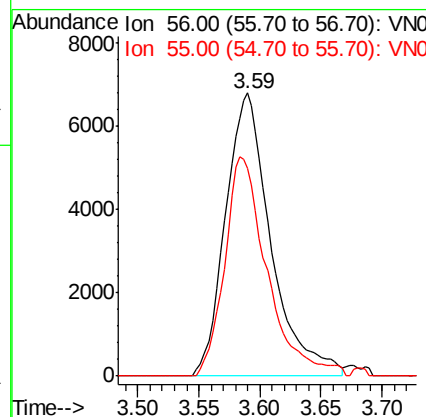
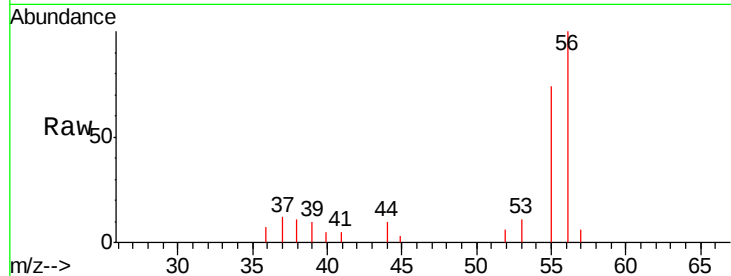




#13
 Acrolein
 Concen: 105.881 ug/l
 RT: 3.59 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

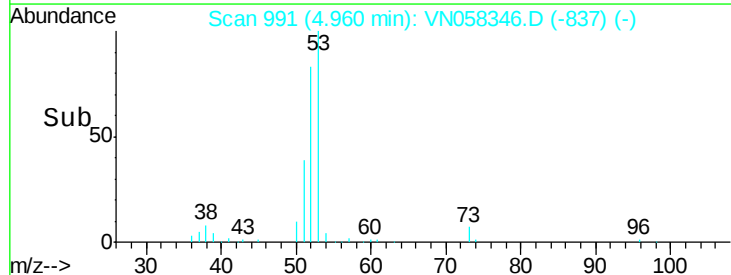
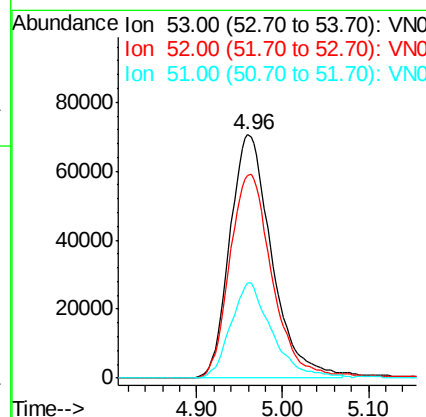
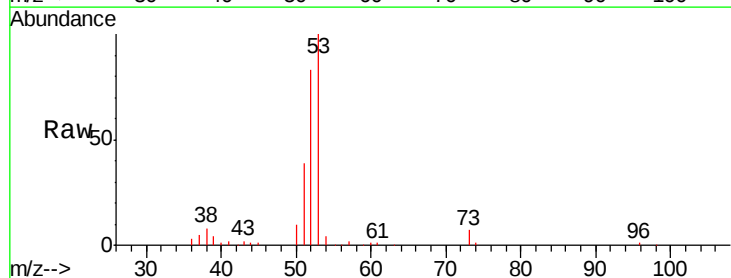
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

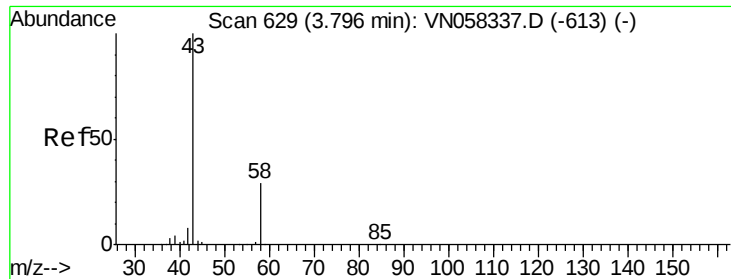
Tgt Ion: 56 Resp: 17569
 Ion Ratio Lower Upper
 56 100
 55 71.8 58.4 87.6



#14
 Acrylonitrile
 Concen: 99.153 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 53 Resp: 238903
 Ion Ratio Lower Upper
 53 100
 52 83.8 41.3 123.7
 51 38.4 18.3 54.8





#15

Acetone

Concen: 112.652 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

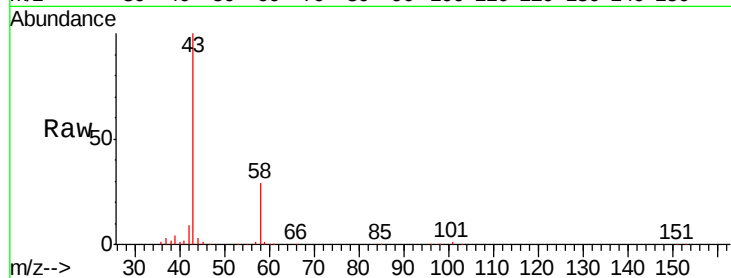
VN0924WBS01

Tgt Ion: 58 Resp: 75260

Ion Ratio Lower Upper

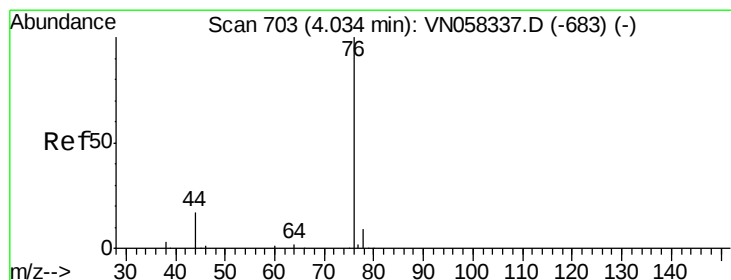
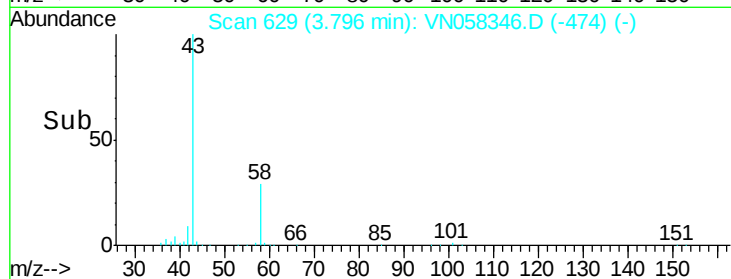
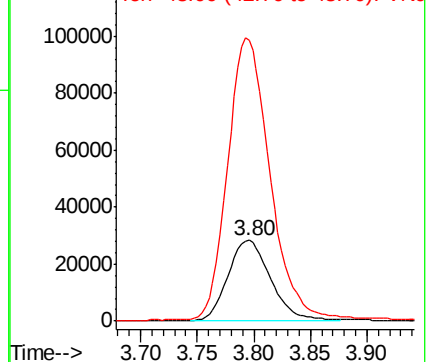
58 100

43 344.9 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.403 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058346.D

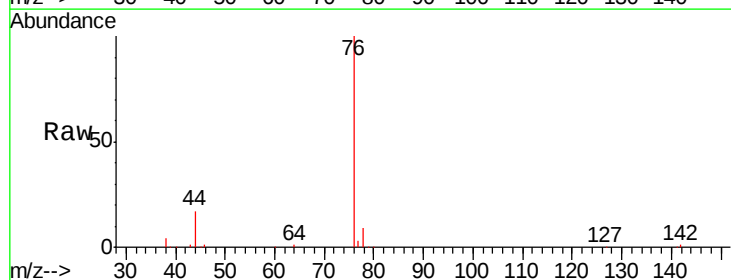
Acq: 24 Sep 2019 15:24

Tgt Ion: 76 Resp: 236238

Ion Ratio Lower Upper

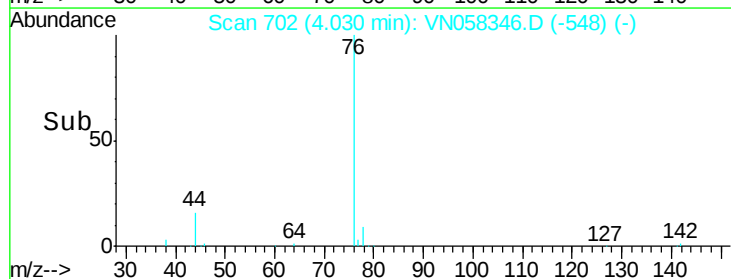
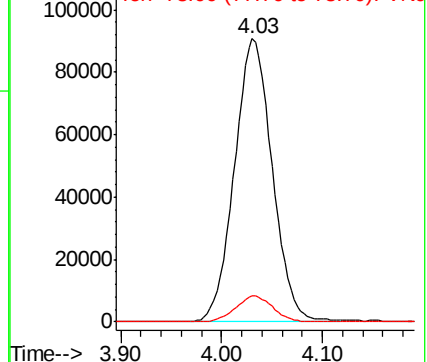
76 100

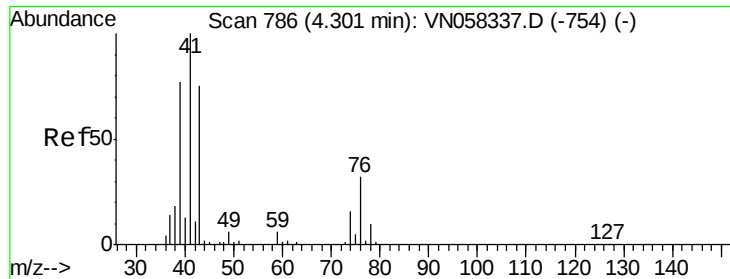
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

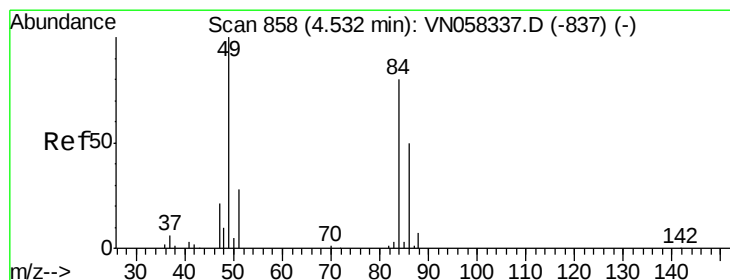
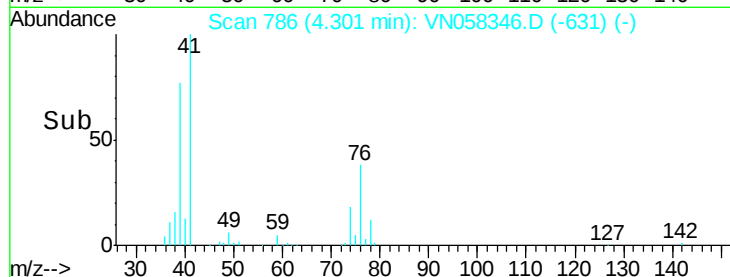
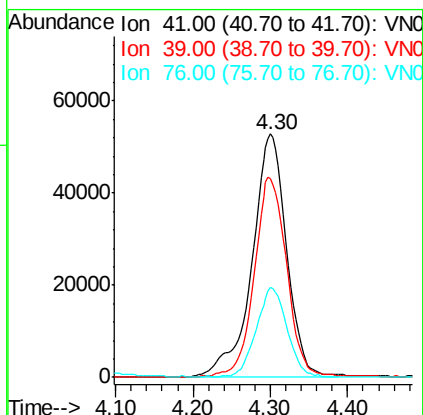
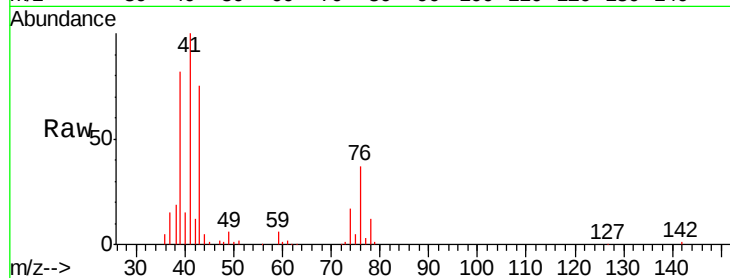




#17
 Allyl chloride
 Concen: 20.144 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

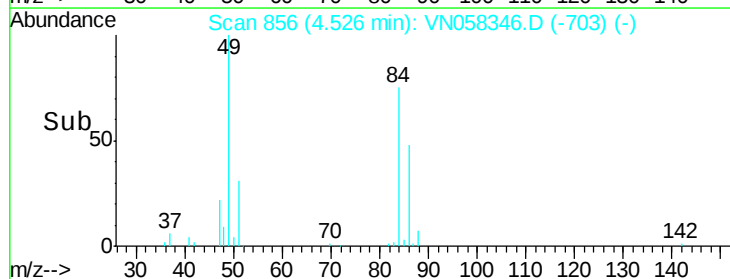
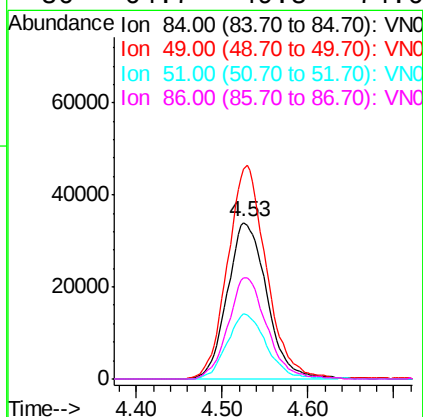
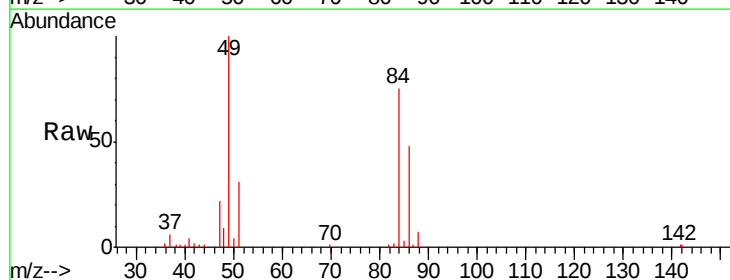
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

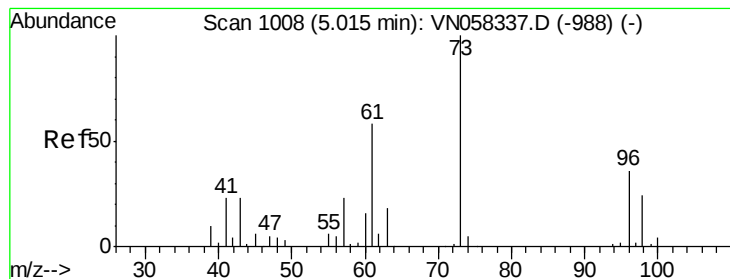
Tgt Ion: 41 Resp: 164853
 Ion Ratio Lower Upper
 41 100
 39 81.9 38.7 116.1
 76 36.5 16.4 49.1



#18
 Methylene Chloride
 Concen: 21.052 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 84 Resp: 108806
 Ion Ratio Lower Upper
 84 100
 49 133.2 99.8 149.6
 51 41.3 28.3 42.5
 86 64.7 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

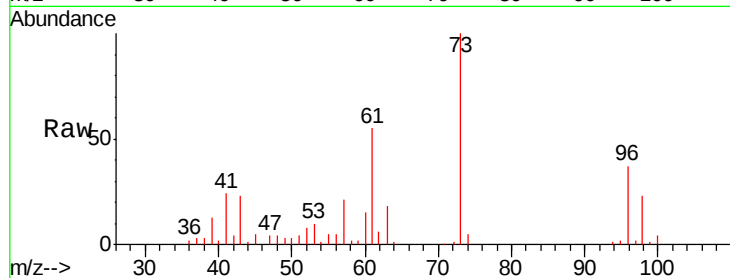
Tgt Ion: 96 Resp: 100890

Ion Ratio Lower Upper

96 100

61 147.3 128.0 192.0

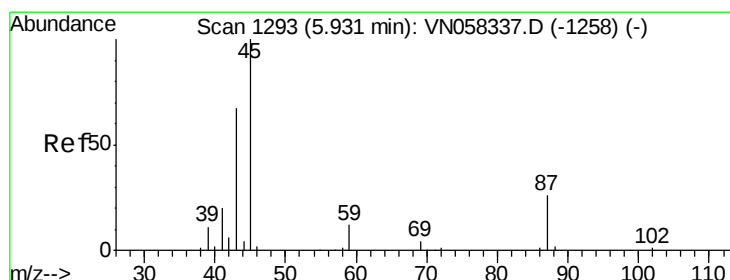
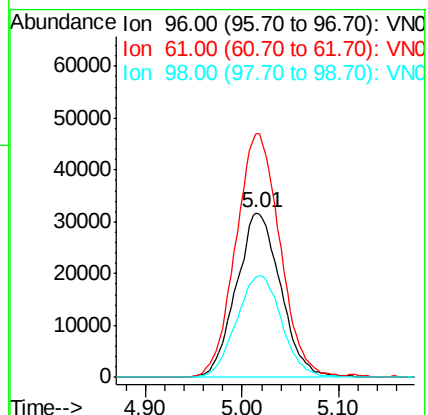
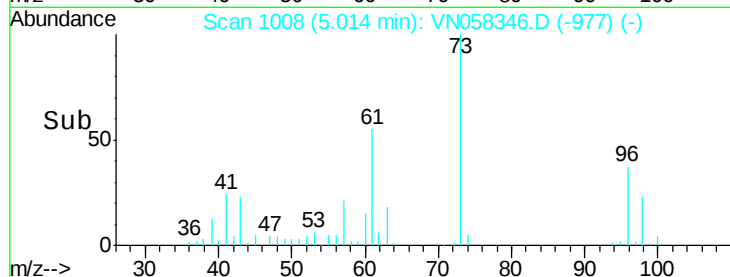
98 60.9 53.0 79.6



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: 20.277 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Tgt Ion: 45 Resp: 353584

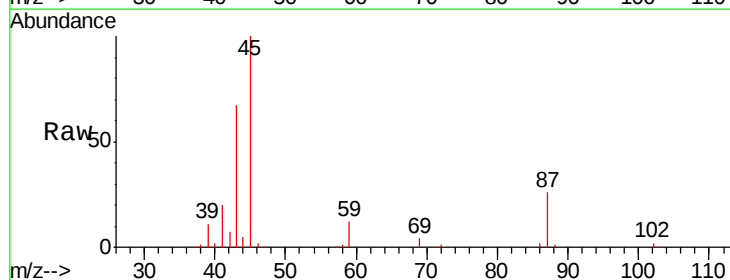
Ion Ratio Lower Upper

45 100

43 65.3 54.1 81.1

87 25.8 21.4 32.2

59 11.2 9.3 13.9

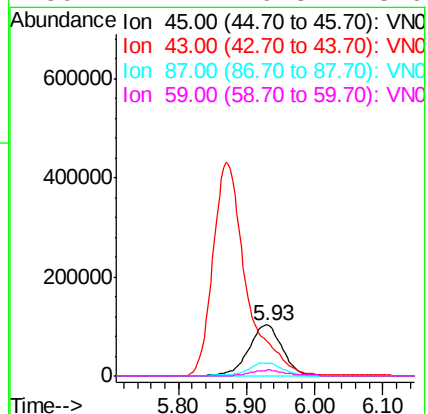
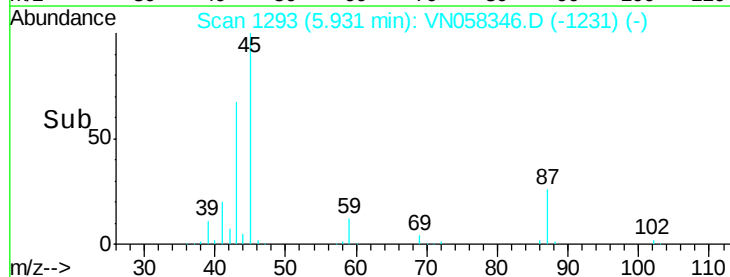


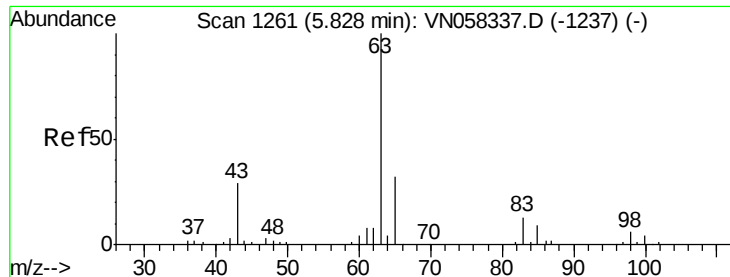
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

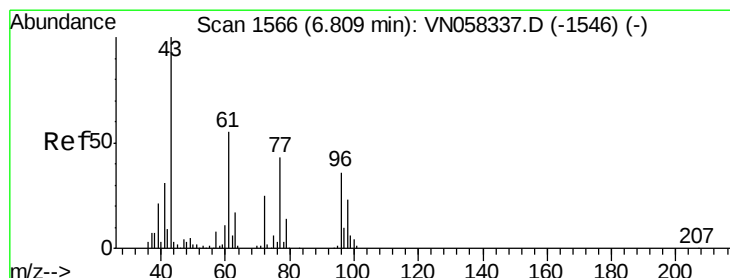
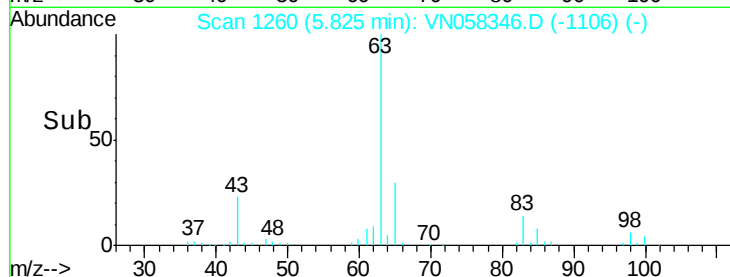
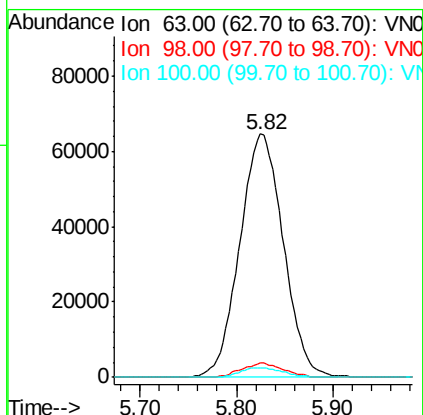
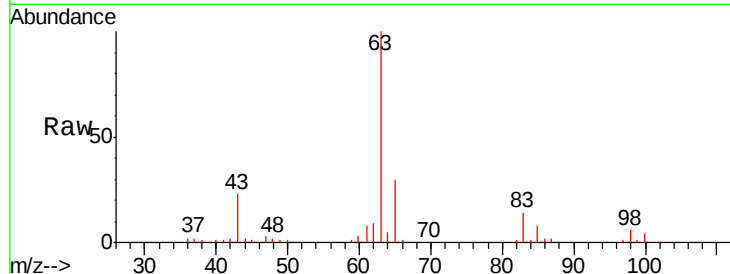




#21
 1,1-Dichloroethane
 Concen: 20.694 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

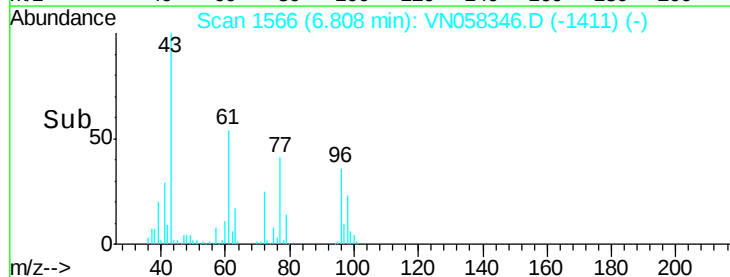
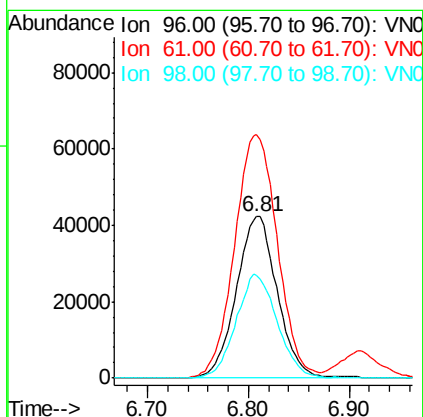
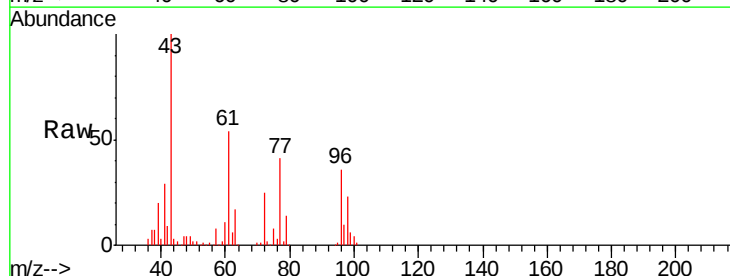
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

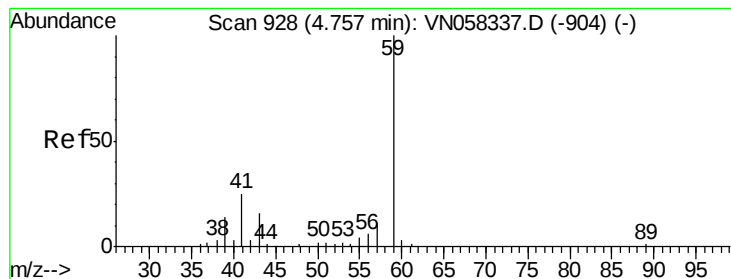
Tgt Ion: 63 Resp: 201930
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.8 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.844 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 96 Resp: 118921
 Ion Ratio Lower Upper
 96 100
 61 157.9 128.2 192.2
 98 64.6 50.6 76.0





#23

tert-Butyl Alcohol

Concen: 97.658 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

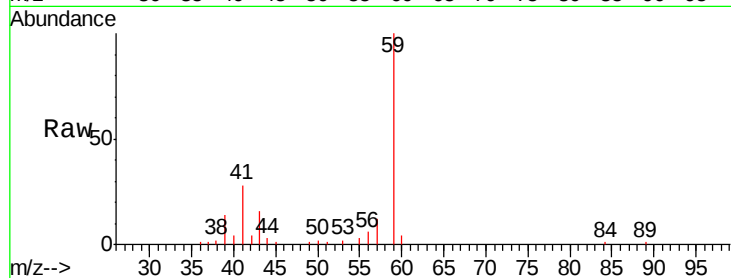
VN0924WBS01

Tgt Ion: 59 Resp: 86863

Ion Ratio Lower Upper

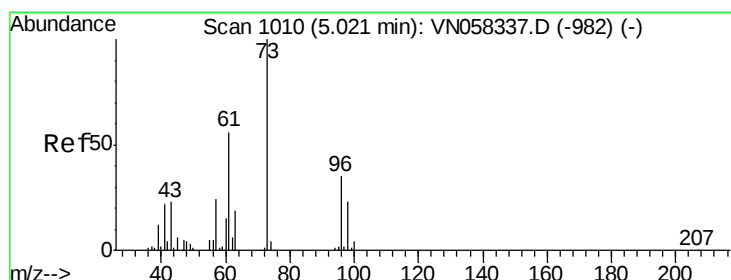
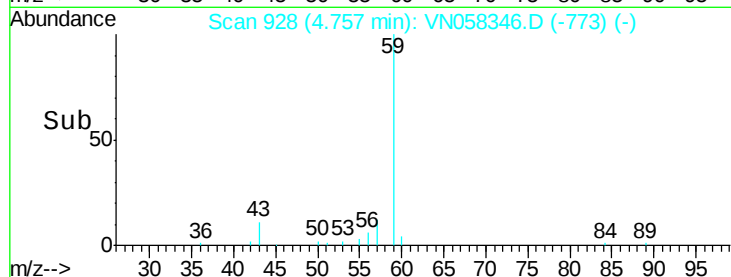
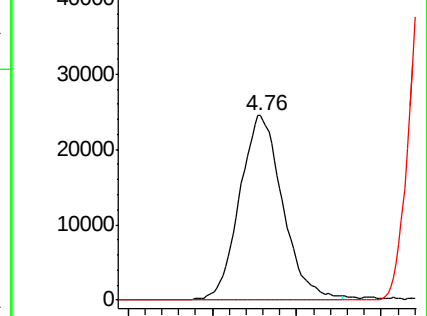
59 100

52 0.0 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: 20.551 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058346.D

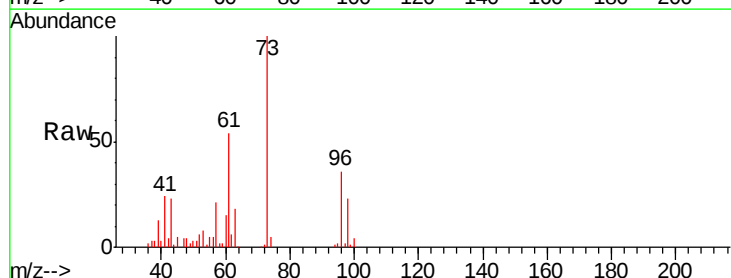
Acq: 24 Sep 2019 15:24

Tgt Ion: 73 Resp: 323199

Ion Ratio Lower Upper

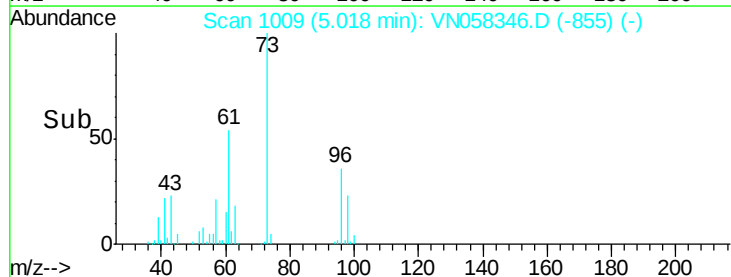
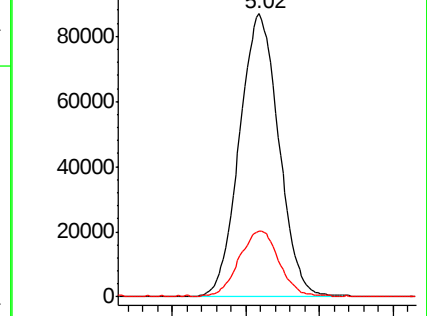
73 100

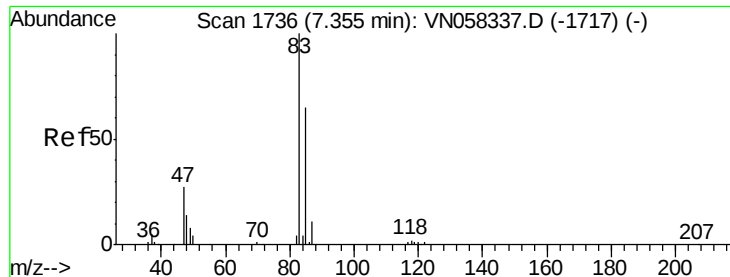
43 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

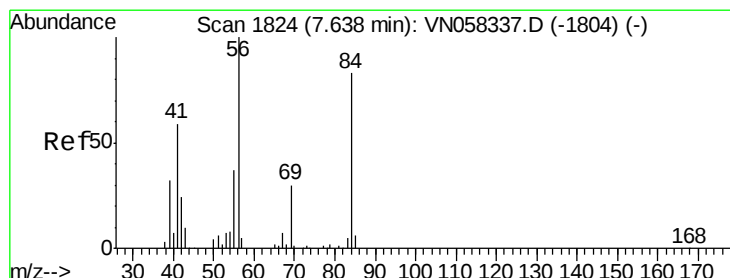
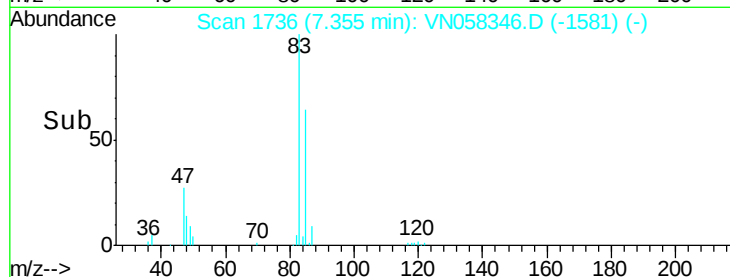
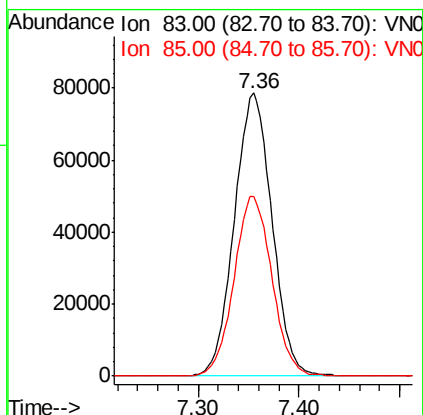
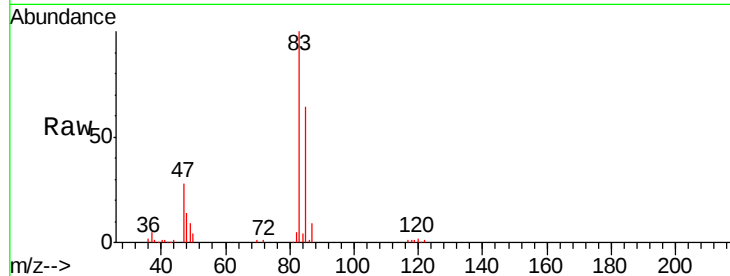




#25
Chloroform
Concen: 20.628 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

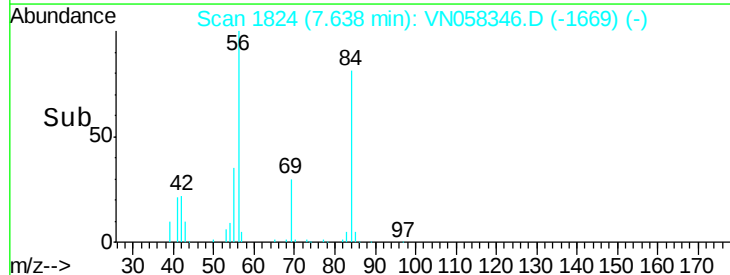
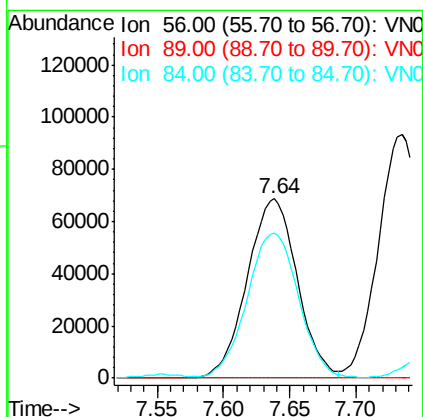
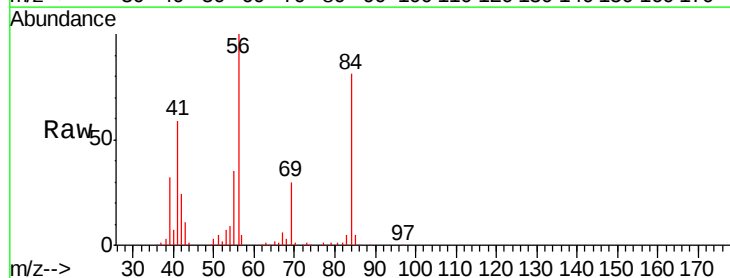
Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

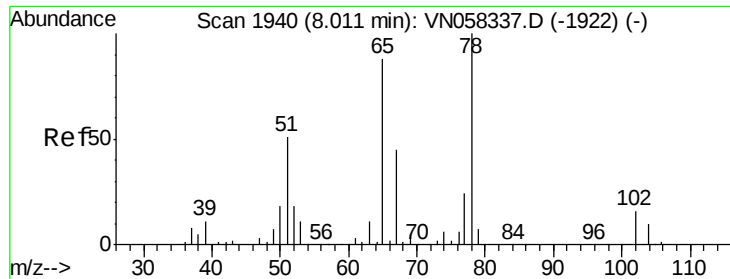
Tgt Ion: 83 Resp: 203821
Ion Ratio Lower Upper
83 100
85 63.6 51.8 77.6



#26
Cyclohexane
Concen: 19.842 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 56 Resp: 180964
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1
84 83.7 66.9 100.3

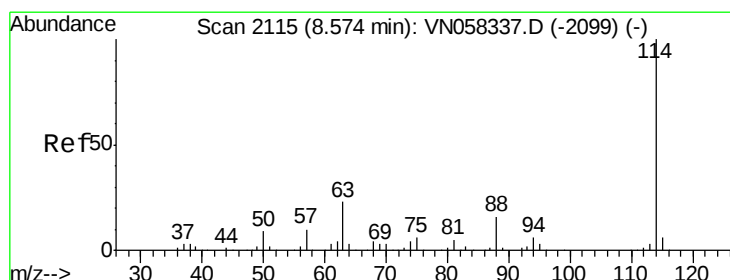
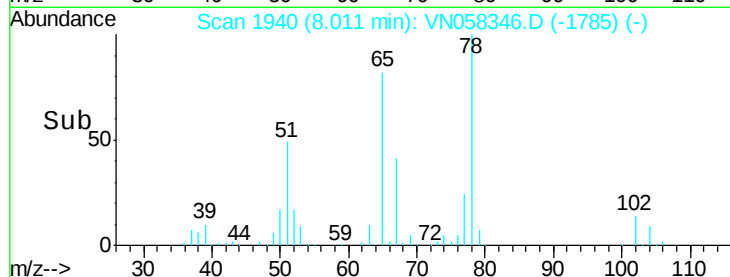
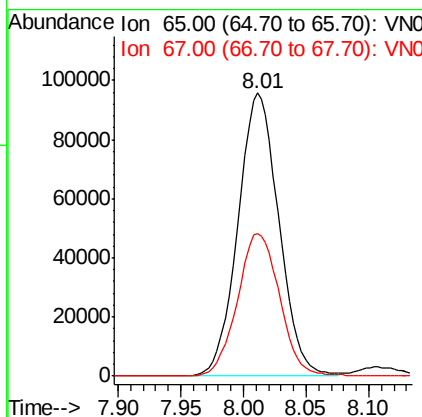
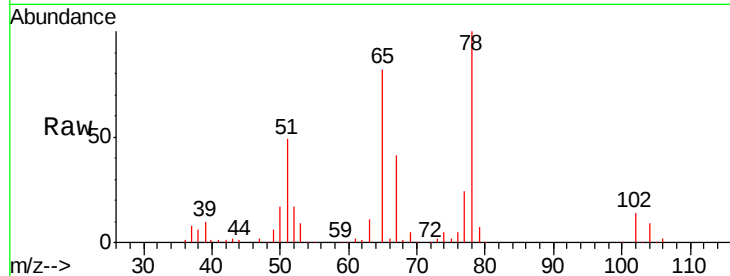




#27
 1,2-Dichloroethane-d4
 Concen: 30.783 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

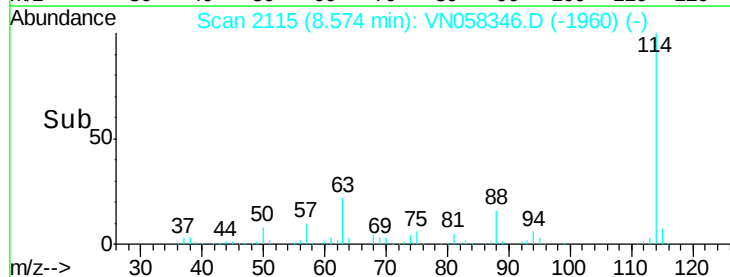
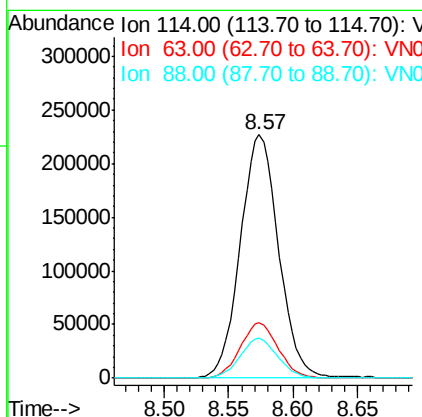
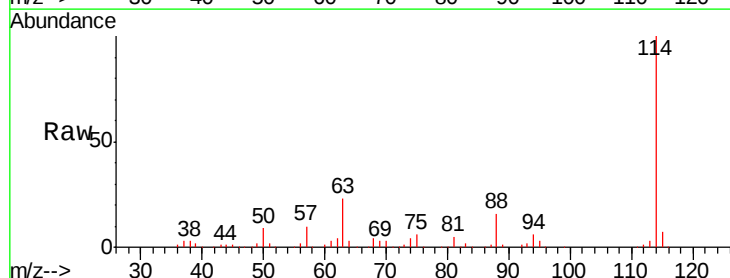
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

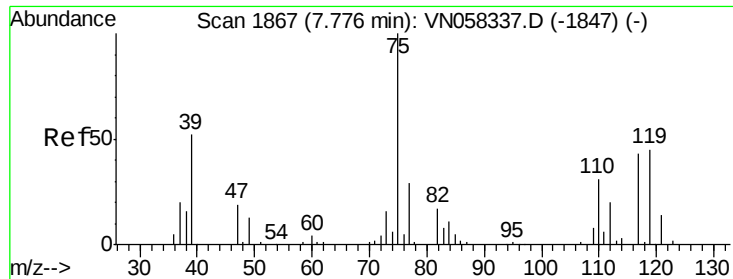
Tgt Ion: 65 Resp: 217174
 Ion Ratio Lower Upper
 65 100
 67 51.9 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 114 Resp: 470438
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.8 26.8
 88 16.3 12.7 19.1

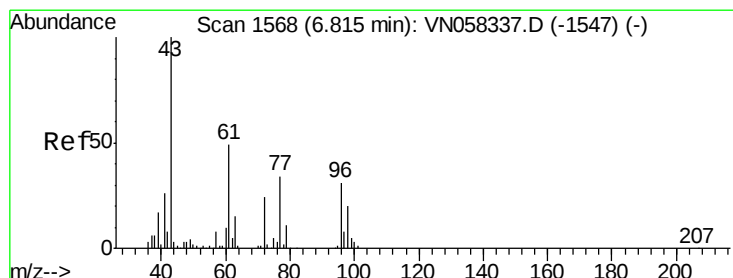
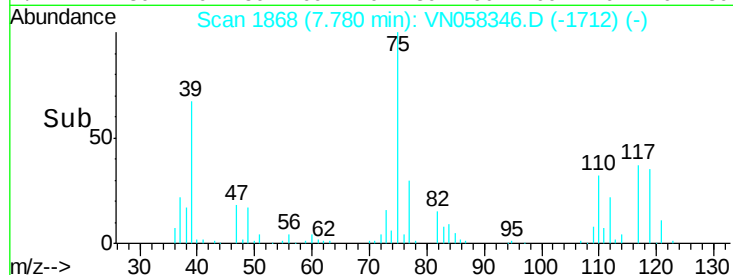
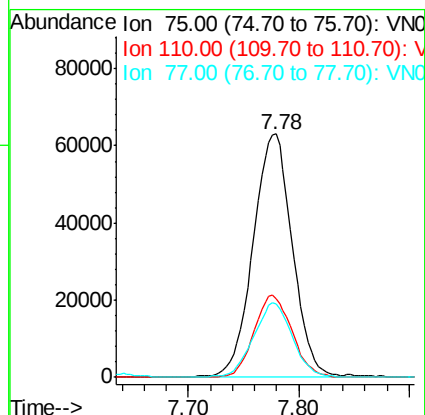
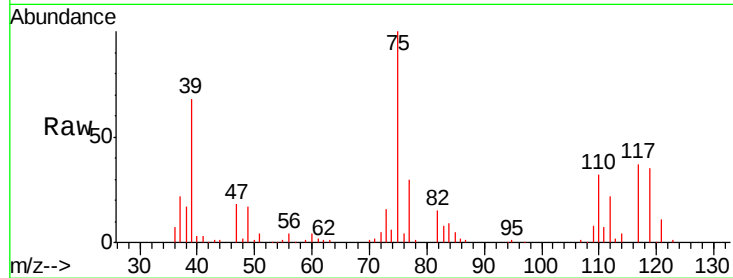




#29
 1,1-Dichloropropene
 Concen: 20.247 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

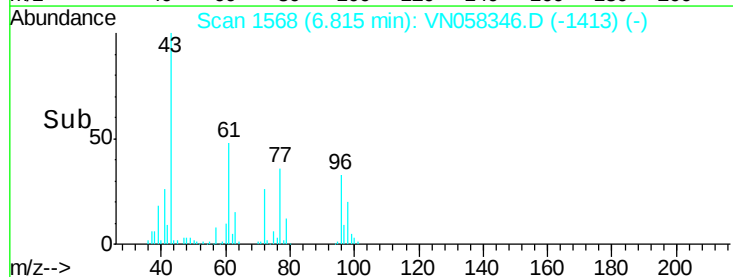
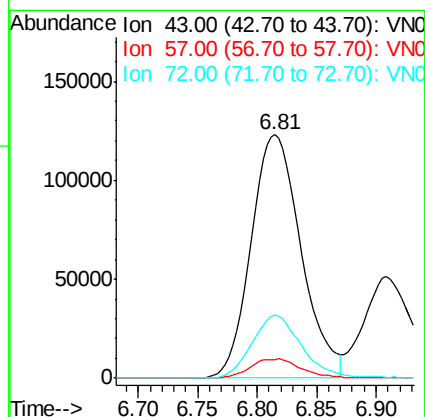
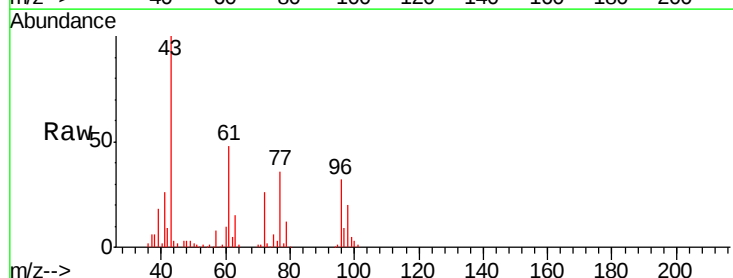
Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBS01

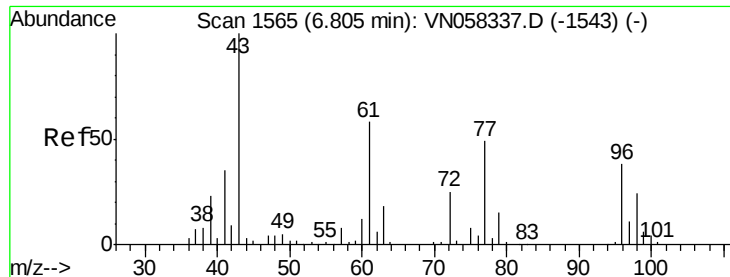
Tgt Ion: 75 Resp: 155474
 Ion Ratio Lower Upper
 75 100
 110 32.6 0.0 63.6
 77 30.3 0.0 59.4



#30
 2-Butanone
 Concen: 102.264 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 43 Resp: 356570
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.2 9.4
 72 25.5 20.3 30.5





#31

2,2-Dichloropropane

Concen: 20.277 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

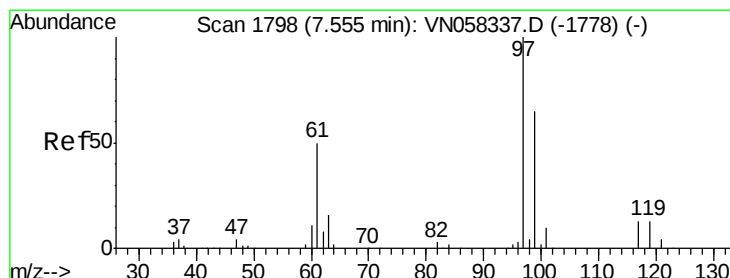
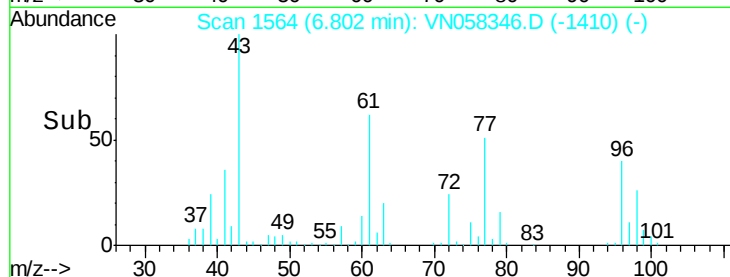
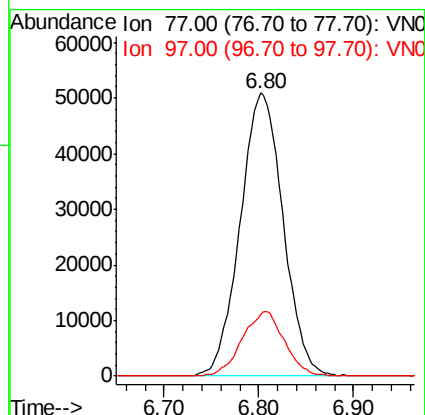
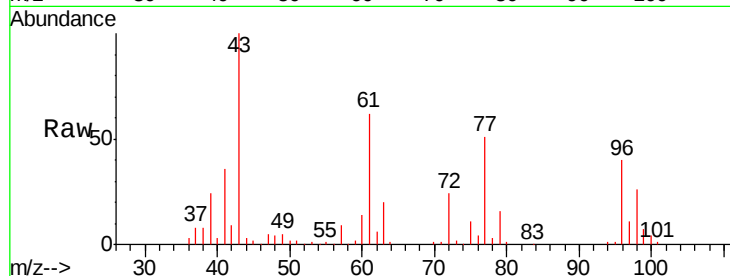
VN0924WBS01

Tgt Ion: 77 Resp: 160302

Ion Ratio Lower Upper

77 100

97 22.4 17.6 26.4



#32

1,1,1-Trichloroethane

Concen: 20.161 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

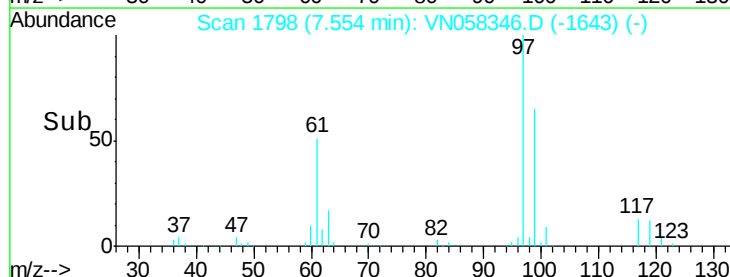
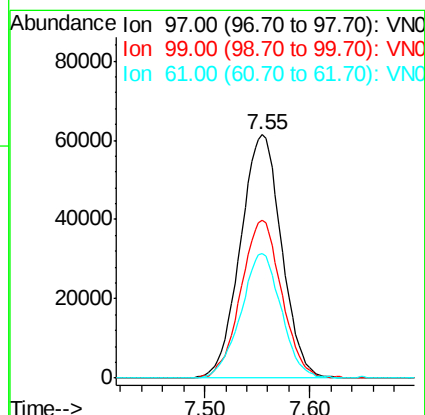
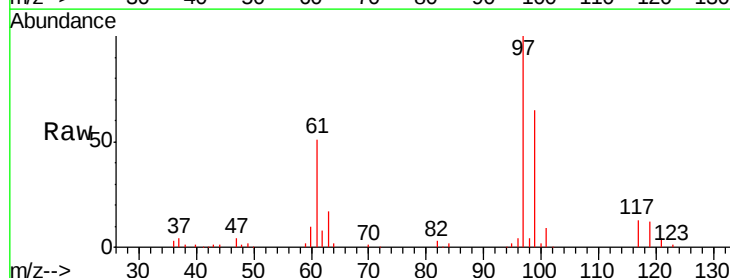
Tgt Ion: 97 Resp: 166983

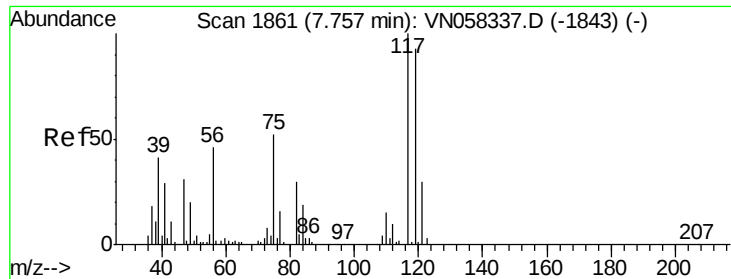
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

61 50.1 39.4 59.2

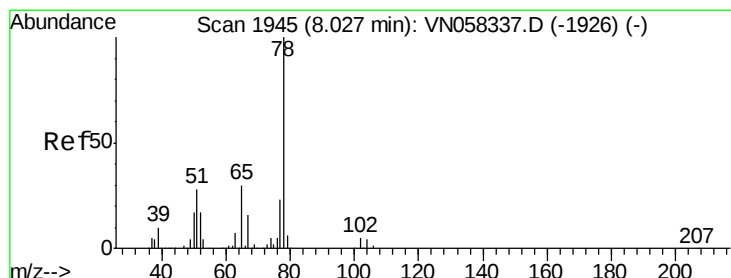
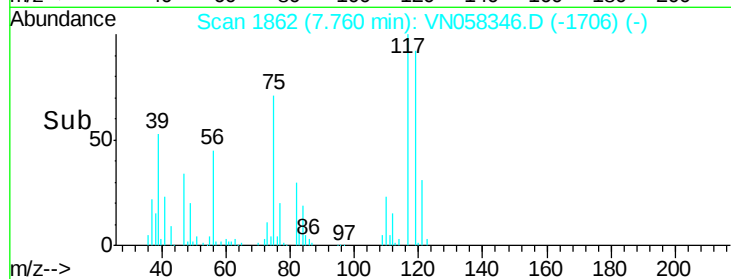
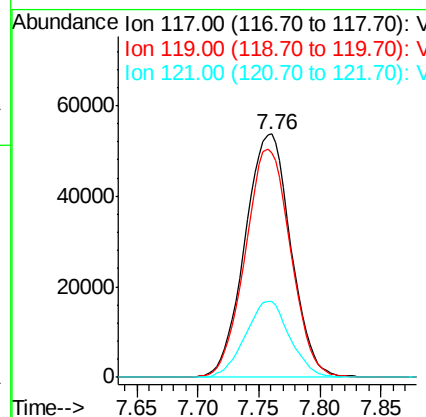
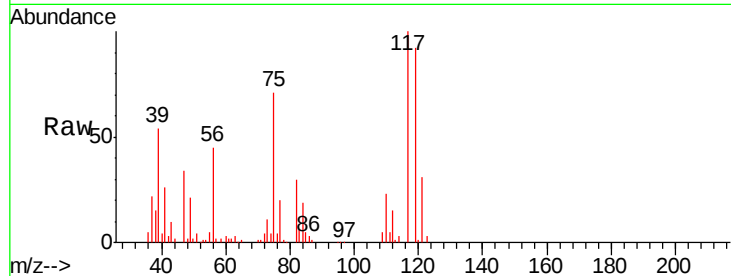




#33
Carbon Tetrachloride
Concen: 19.849 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

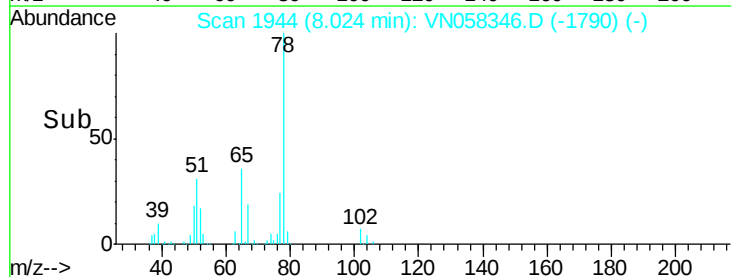
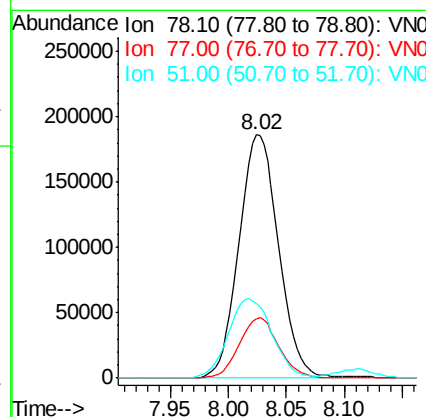
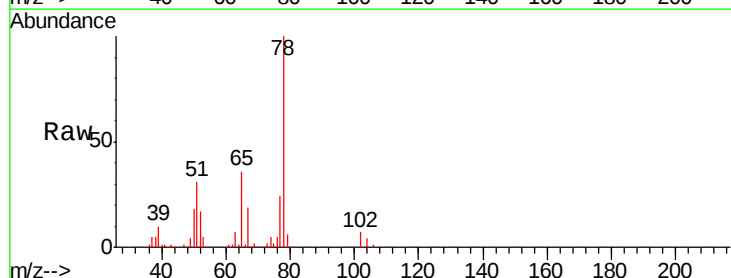
Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

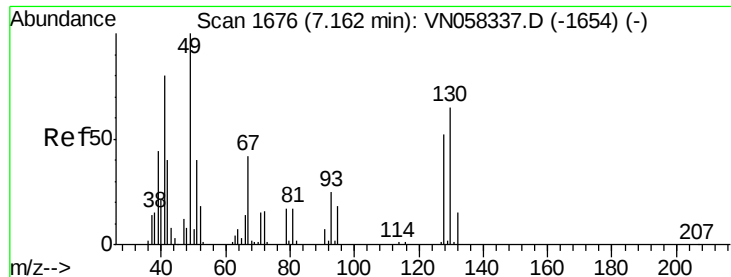
Tgt Ion:117 Resp: 139673
Ion Ratio Lower Upper
117 100
119 92.2 74.2 111.4
121 31.2 23.9 35.9



#34
Benzene
Concen: 20.255 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 78 Resp: 441231
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 30.2 22.4 33.6

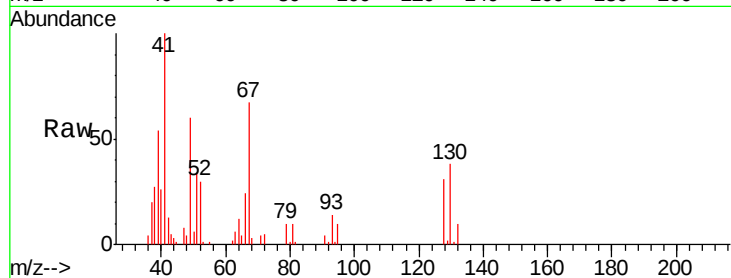




#35
Methacrylonitrile
Concen: 16.129 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tgt Ion:	41	Resp:	48373
Ion	Ratio	Lower	Upper
41	100		
39	53.9	27.3	81.9
67	67.1	26.3	78.9
52	29.6	11.0	33.0

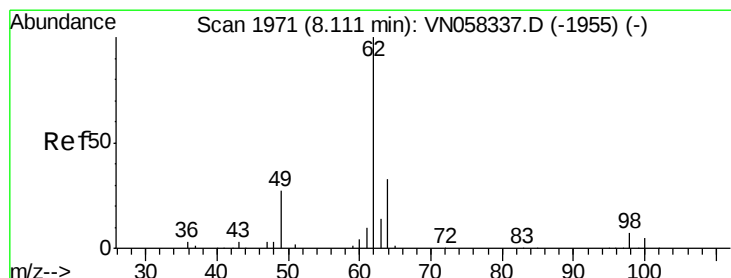
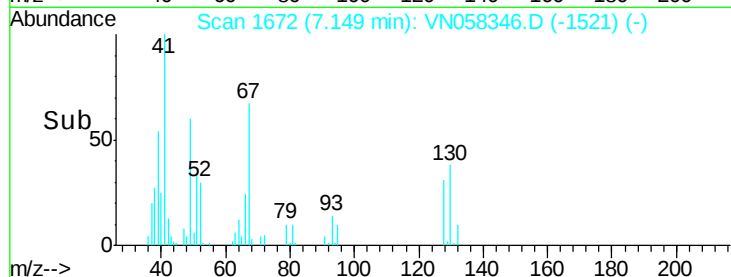
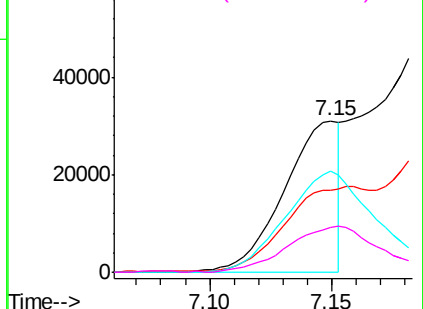


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

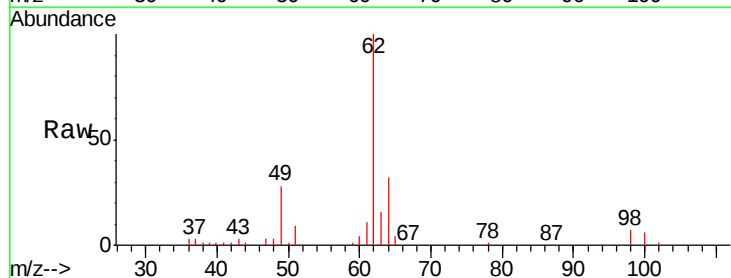
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



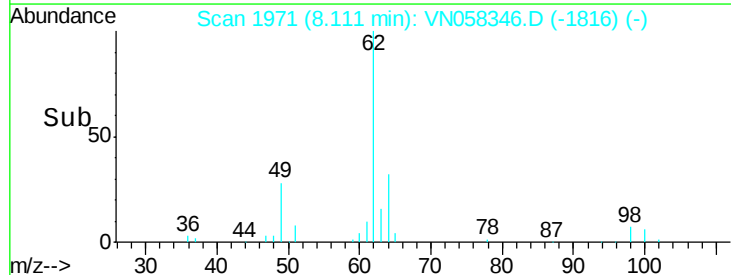
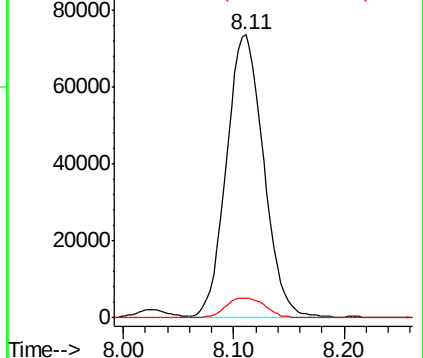
#36
1,2-Dichloroethane
Concen: 20.078 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

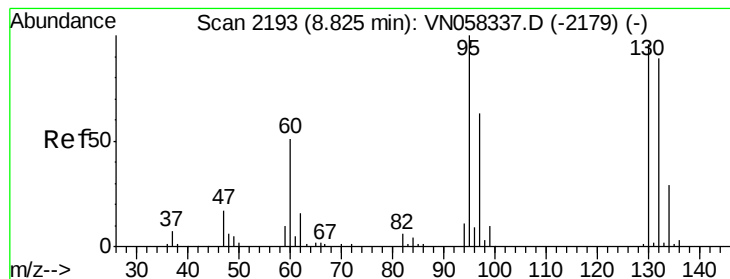
Tgt Ion:	62	Resp:	171331
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.075 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

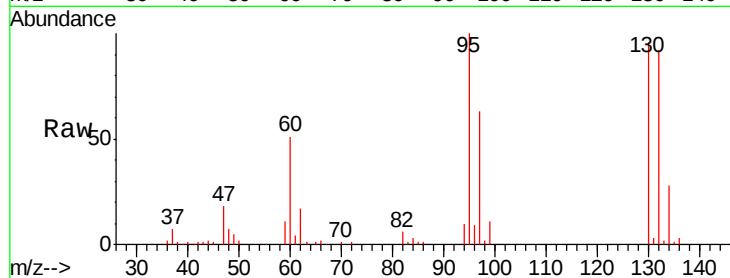
VN0924WBS01

Tgt Ion:130 Resp: 109478

Ion Ratio Lower Upper

130 100

95 103.9 83.3 124.9



Abundance Ion 129.90 (129.60 to 130.60): VN0

Ion 94.90 (94.60 to 95.60): VN0

8.82

60000

50000

40000

30000

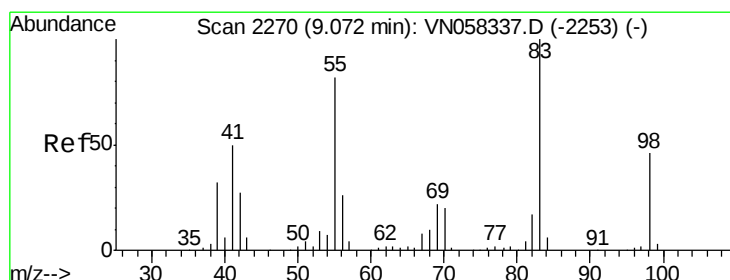
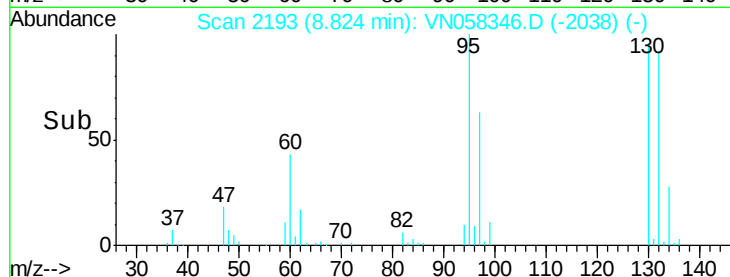
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.719 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

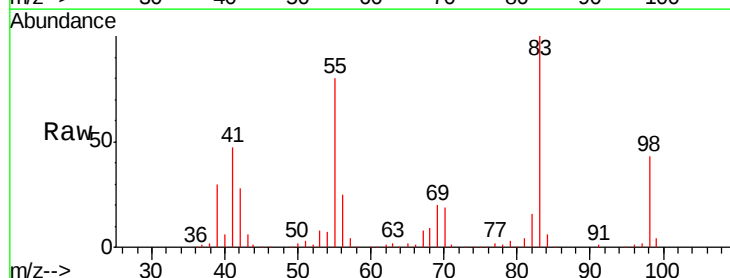
Tgt Ion: 83 Resp: 183100

Ion Ratio Lower Upper

83 100

55 80.1 40.5 121.4

98 44.3 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

120000

100000

80000

60000

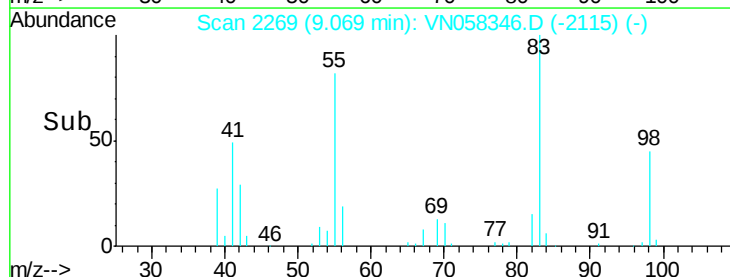
40000

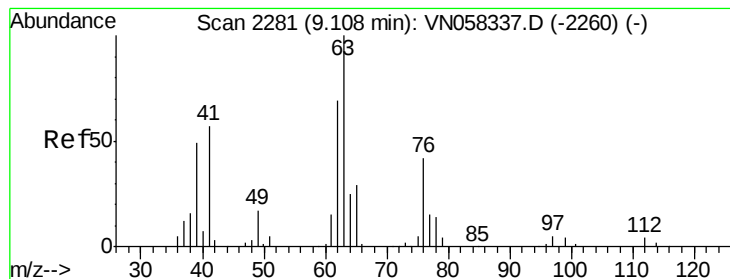
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 20.535 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

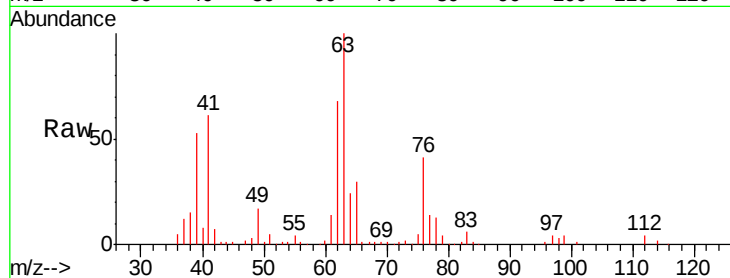
VN0924WBS01

Tgt Ion: 63 Resp: 122018

Ion Ratio Lower Upper

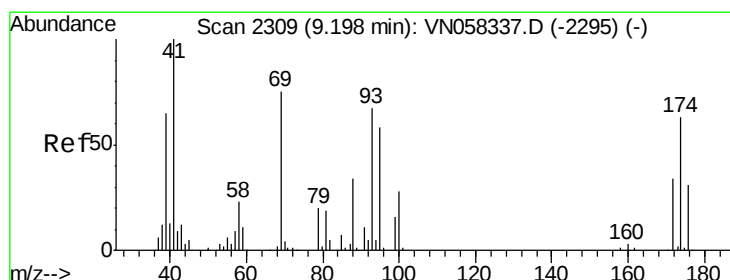
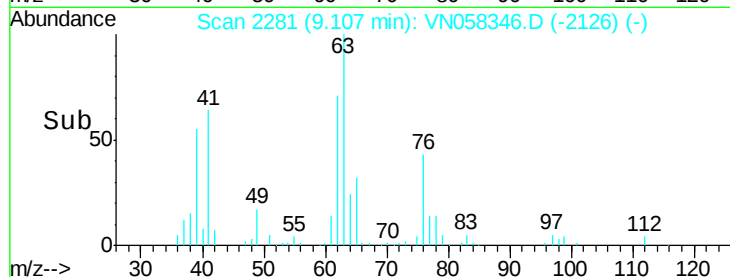
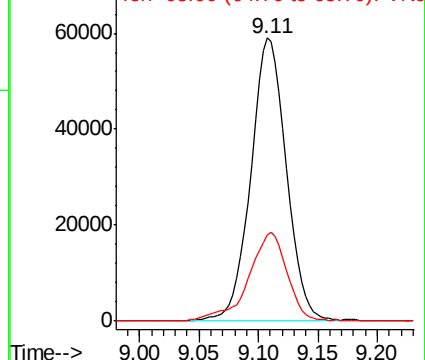
63 100

65 29.9 23.4 35.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.555 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

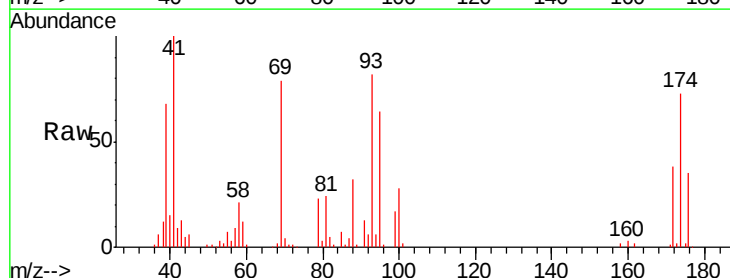
Tgt Ion: 93 Resp: 77085

Ion Ratio Lower Upper

93 100

95 81.2 0.0 166.8

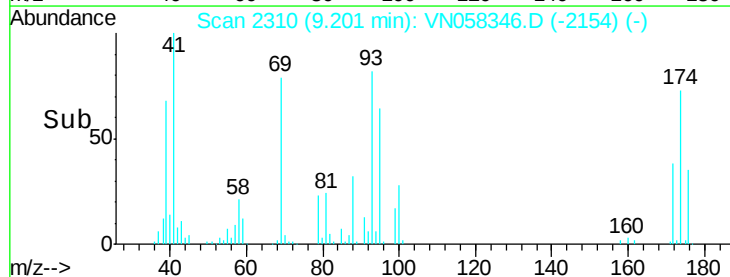
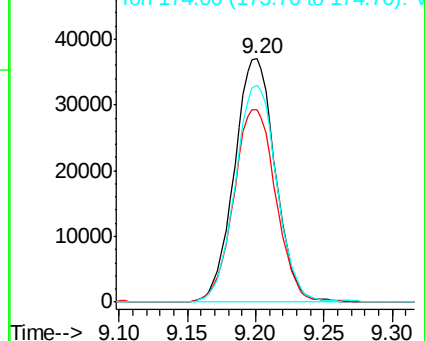
174 90.1 0.0 187.2

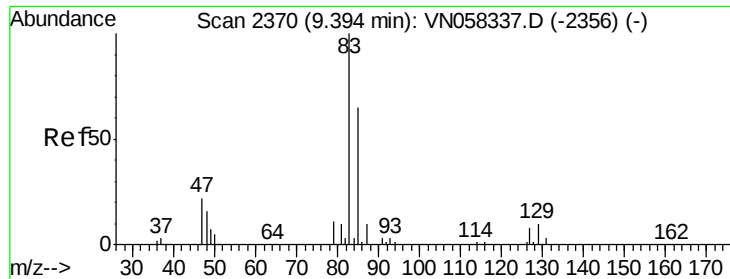


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.949 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

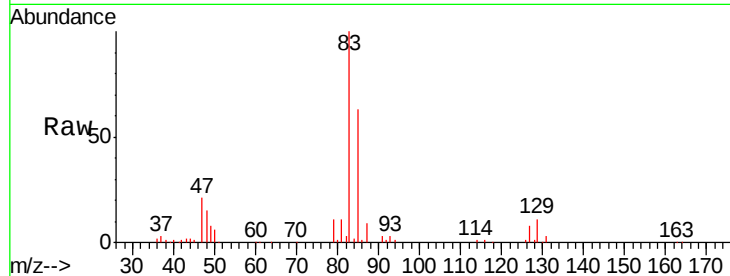
Tgt Ion: 83 Resp: 147875

Ion Ratio Lower Upper

83 100

85 62.7 52.0 78.0

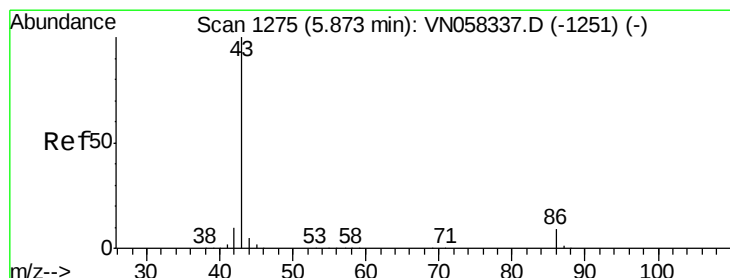
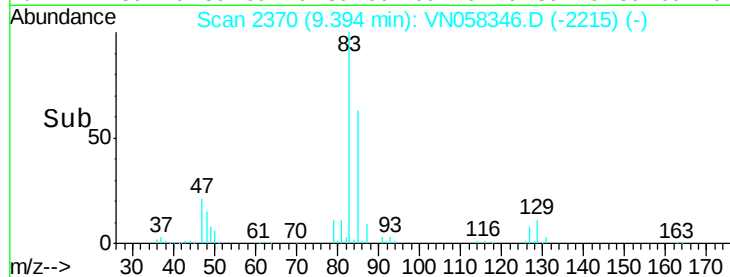
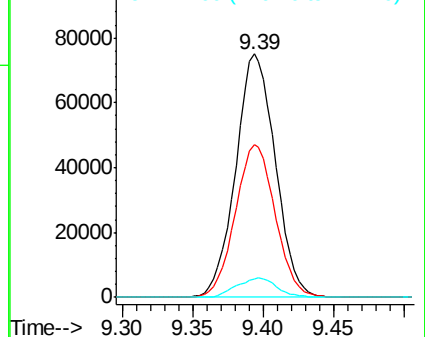
127 7.6 6.1 9.1



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: 109.248 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058346.D

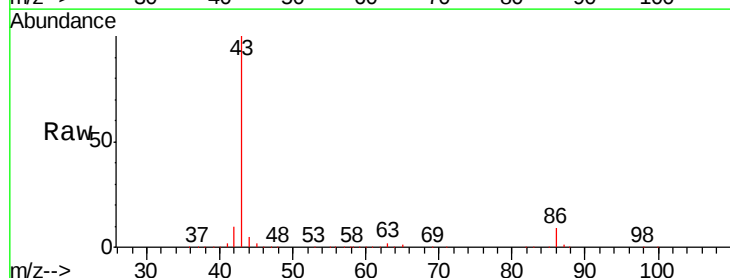
Acq: 24 Sep 2019 15:24

Tgt Ion: 43 Resp: 1454429

Ion Ratio Lower Upper

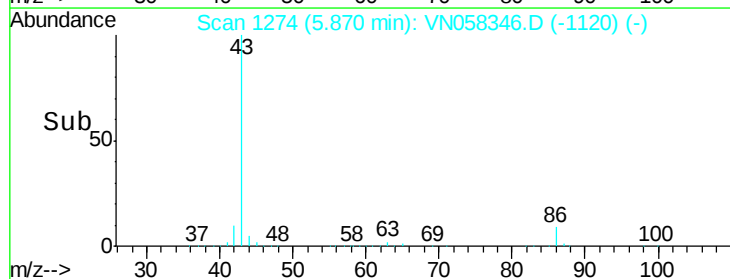
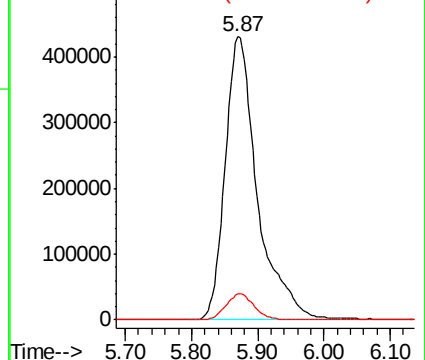
43 100

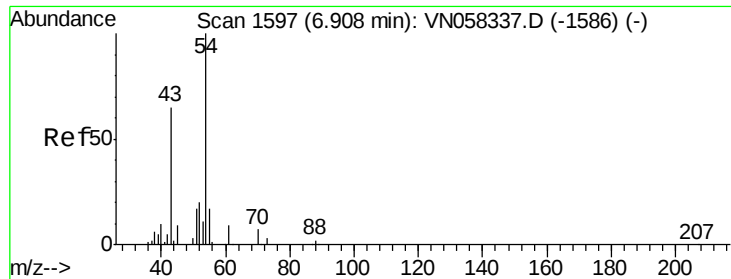
86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.697 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

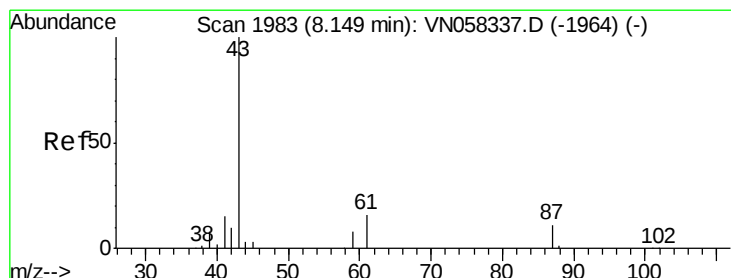
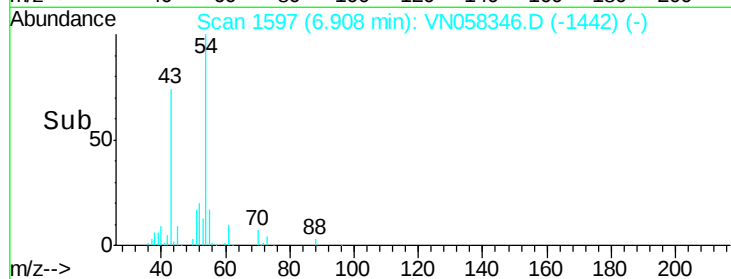
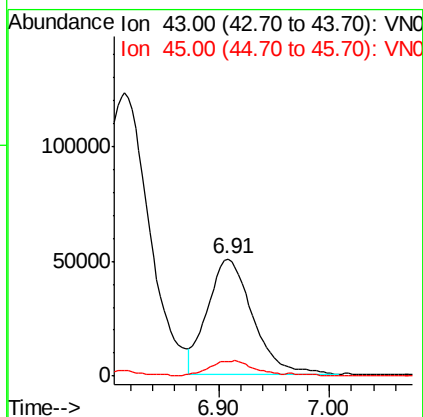
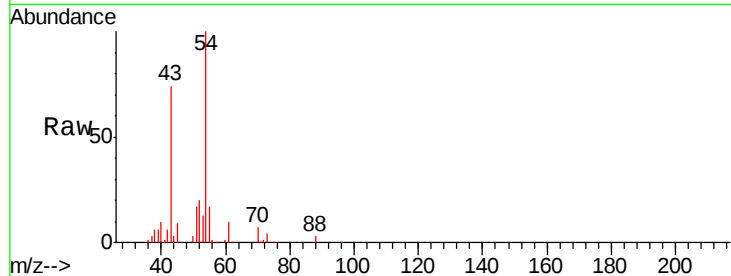
VN0924WBS01

Tgt Ion: 43 Resp: 143286

Ion Ratio Lower Upper

43 100

45 6.3 9.8 14.6#



#44

Isopropyl Acetate

Concen: 19.269 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058346.D

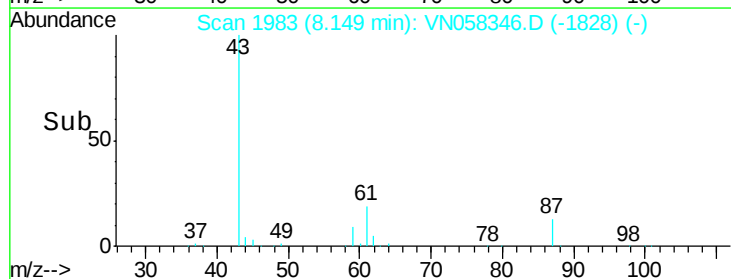
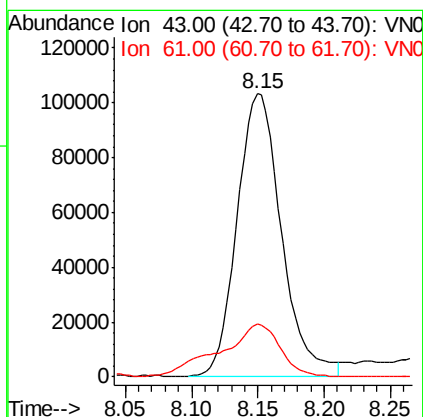
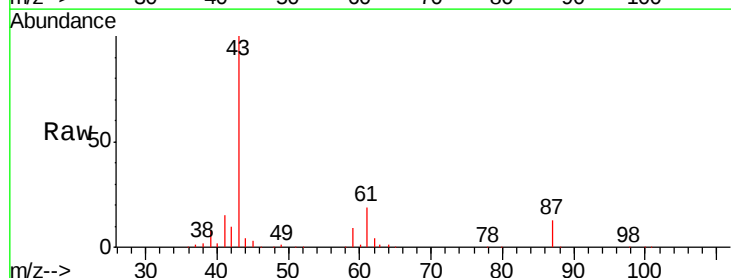
Acq: 24 Sep 2019 15:24

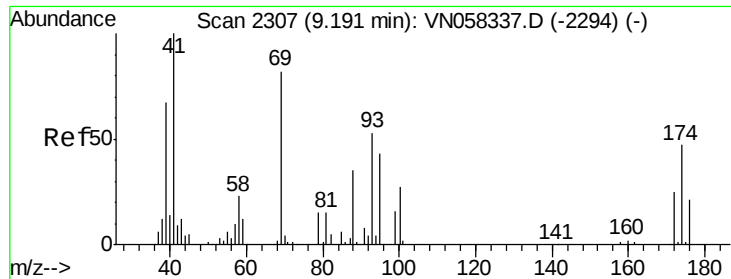
Tgt Ion: 43 Resp: 238805

Ion Ratio Lower Upper

43 100

61 24.7 14.4 21.6#

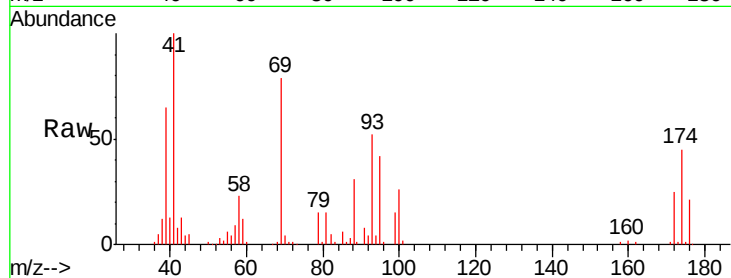




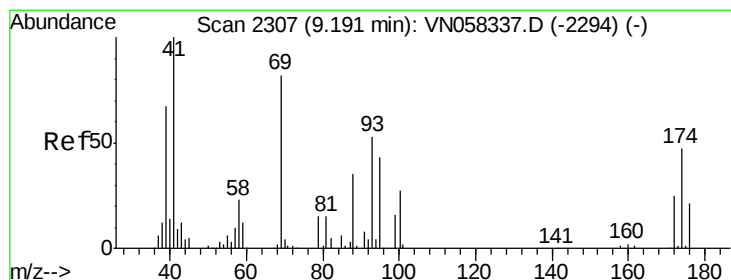
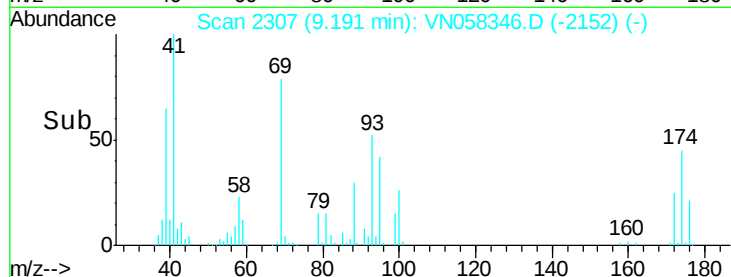
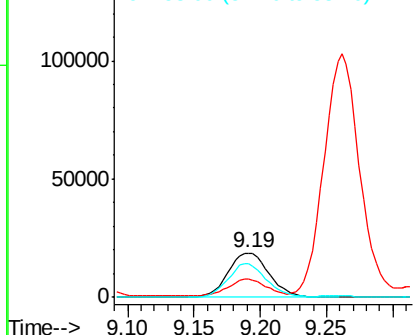
#45
 1,4-Dioxane
 Concen: 386.974 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBS01

Tgt Ion: 88 Resp: 40458
 Ion Ratio Lower Upper
 88 100
 43 36.2 27.2 40.8
 58 71.3 55.4 83.0

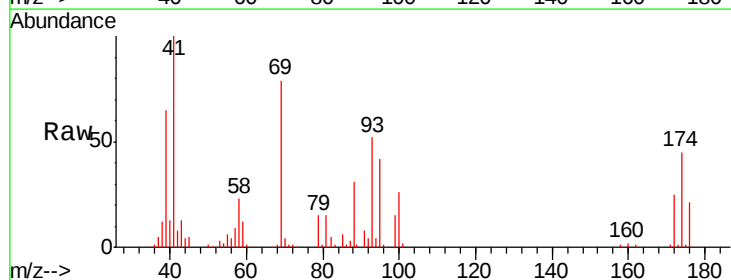


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

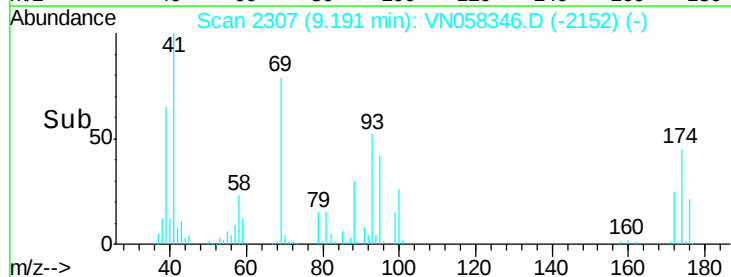
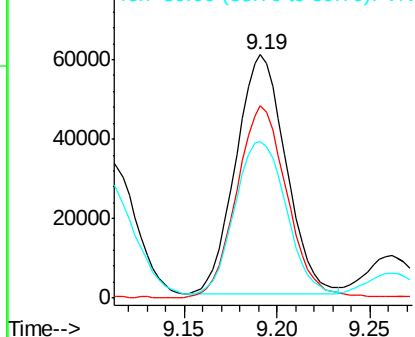


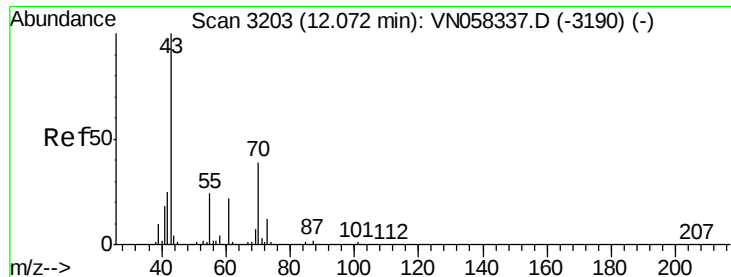
#46
 Methyl methacrylate
 Concen: 19.218 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 41 Resp: 112874
 Ion Ratio Lower Upper
 41 100
 69 79.9 40.9 122.7
 39 64.0 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

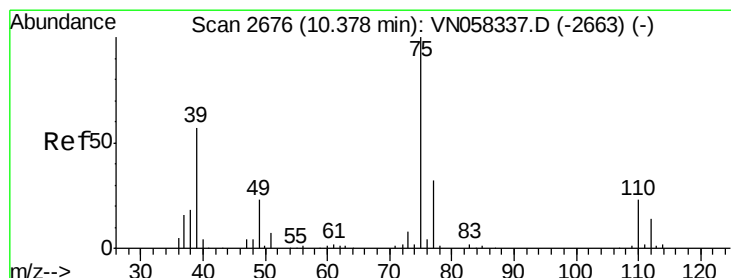
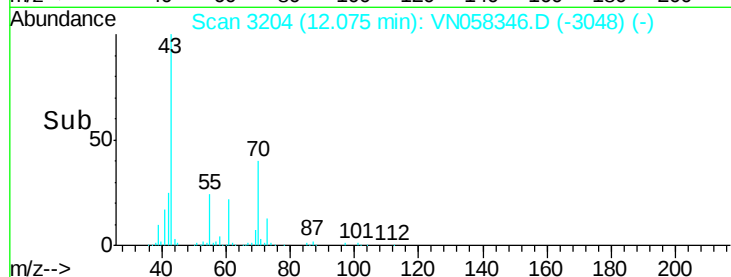
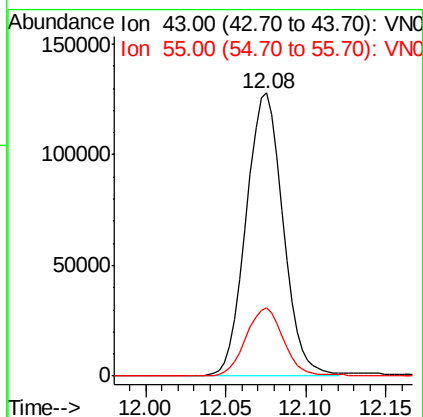
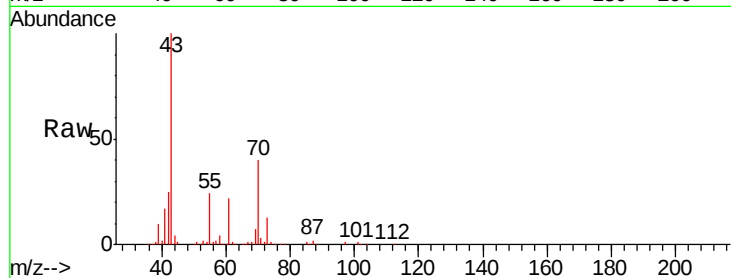




#47
n-amyl Acetate
Concen: 18.570 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

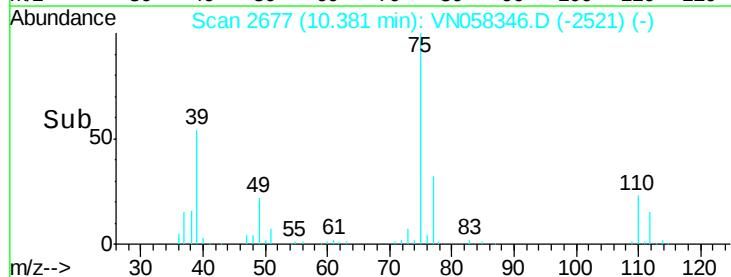
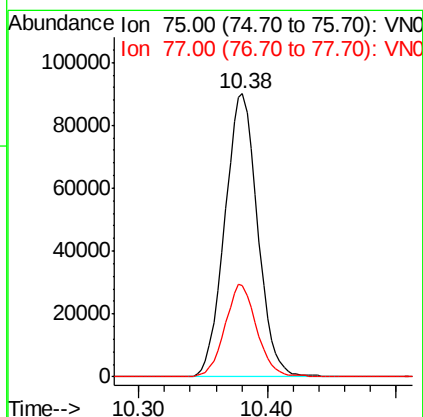
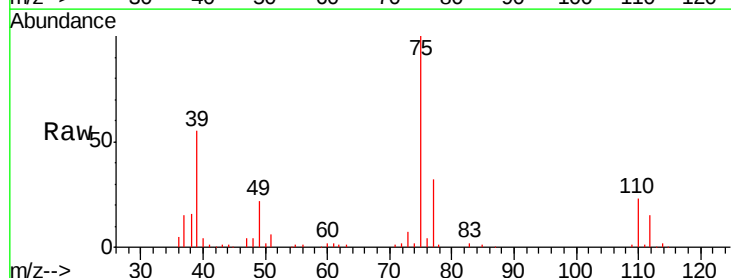
Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

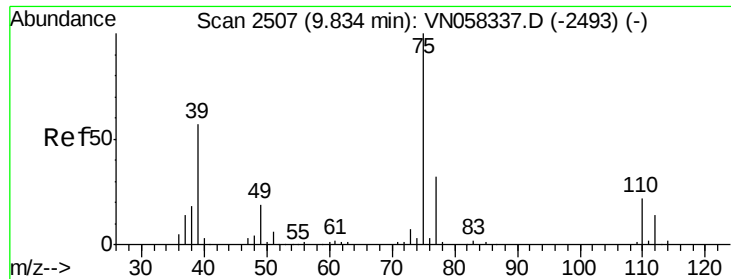
Tgt Ion: 43 Resp: 200324
Ion Ratio Lower Upper
43 100
55 24.8 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 19.633 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 75 Resp: 159017
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0



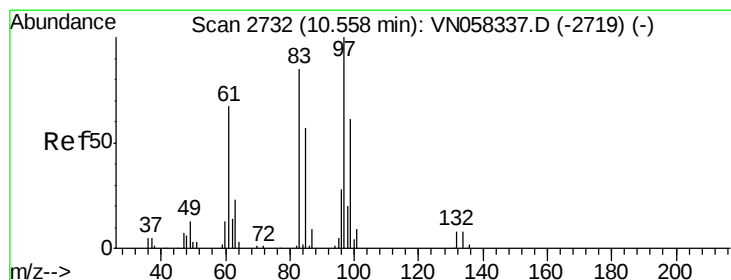
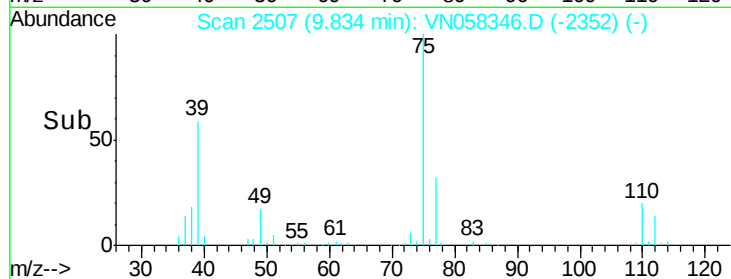
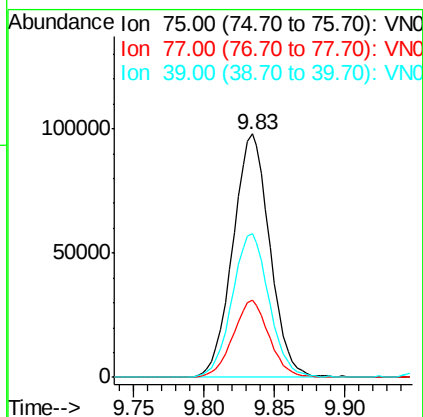
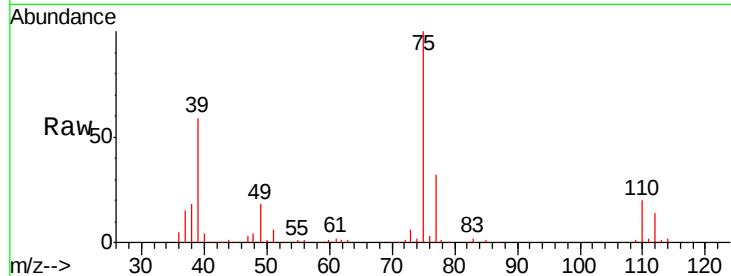


#49

cis-1,3-Dichloropropene
 Concen: 19.947 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

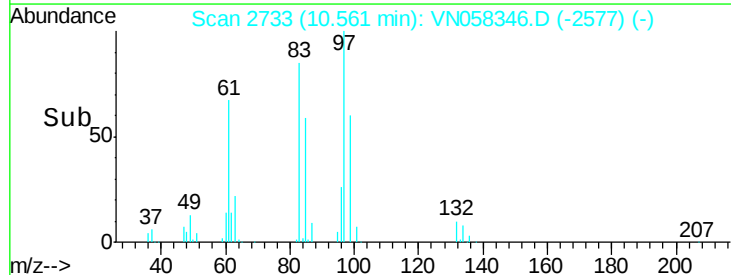
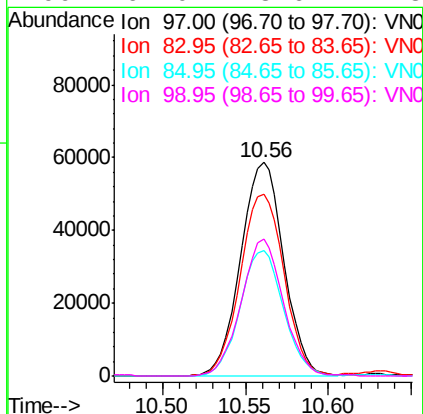
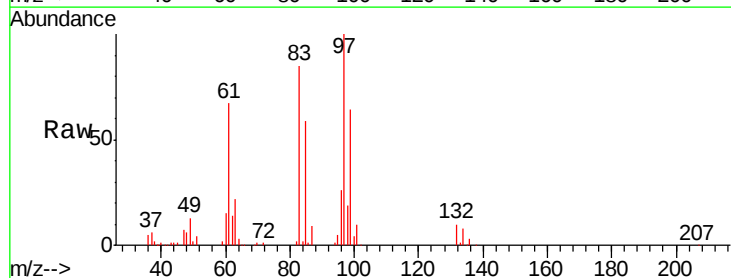
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	59.1	45.8	68.6

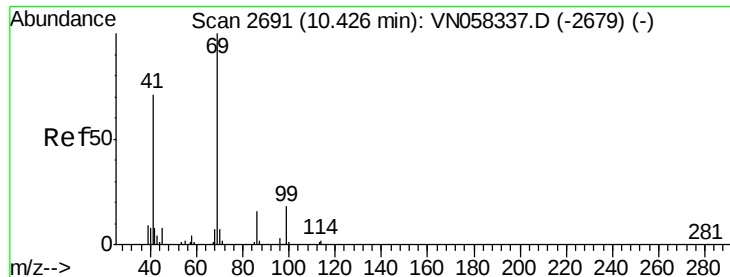


#50

1,1,2-Trichloroethane
 Concen: 20.274 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.6
85	58.8	45.8	68.6
99	64.0	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.580 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

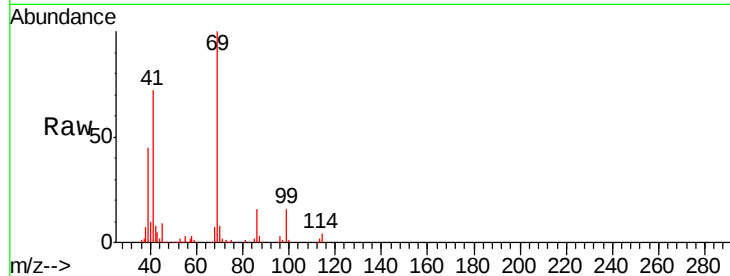
Tgt Ion: 69 Resp: 162367

Ion Ratio Lower Upper

69 100

41 71.8 35.4 106.1

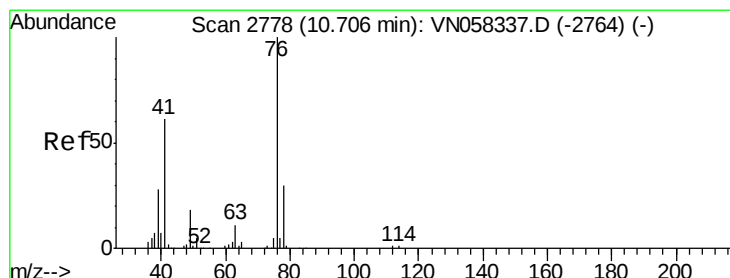
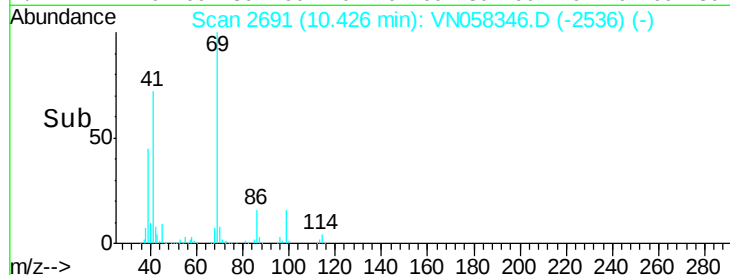
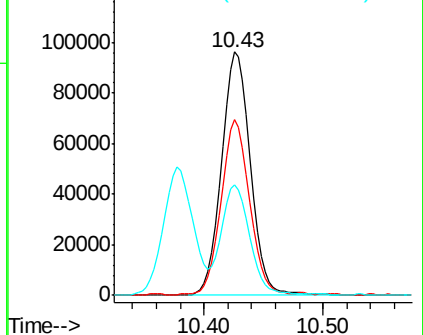
39 45.1 23.5 70.5



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: 20.329 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058346.D

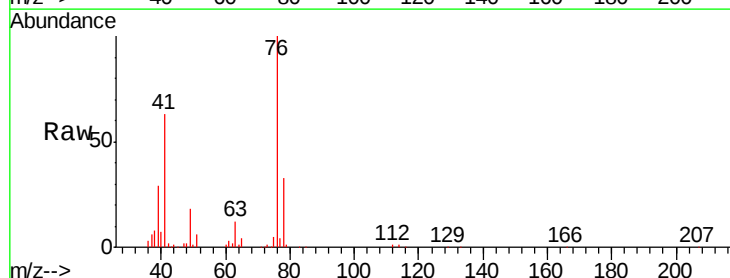
Acq: 24 Sep 2019 15:24

Tgt Ion: 76 Resp: 189234

Ion Ratio Lower Upper

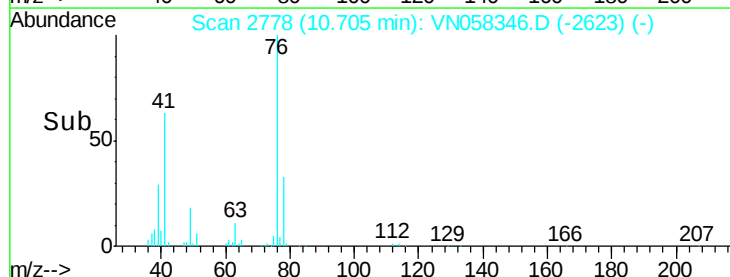
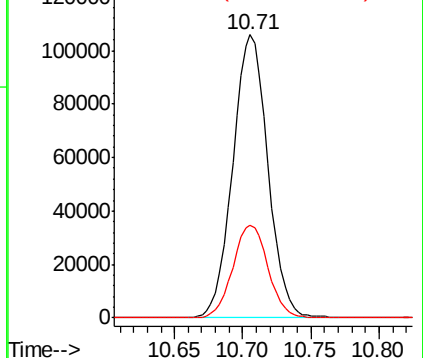
76 100

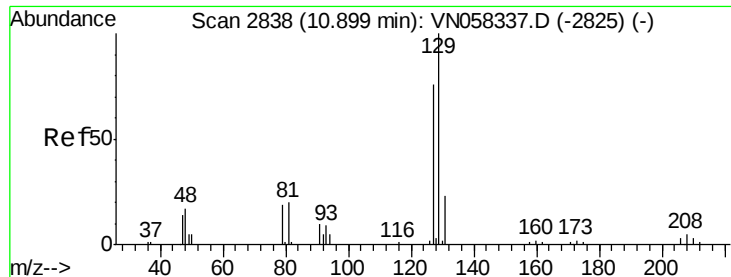
78 32.8 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.988 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

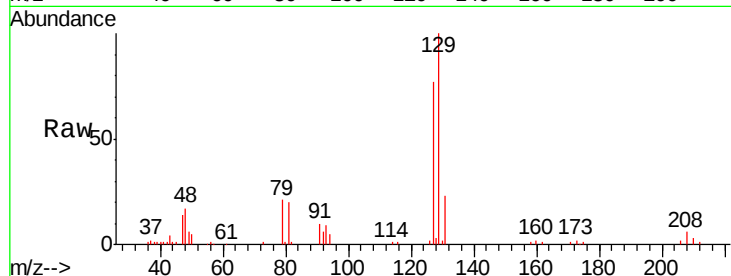
VN0924WBS01

Tgt Ion:129 Resp: 99980

Ion Ratio Lower Upper

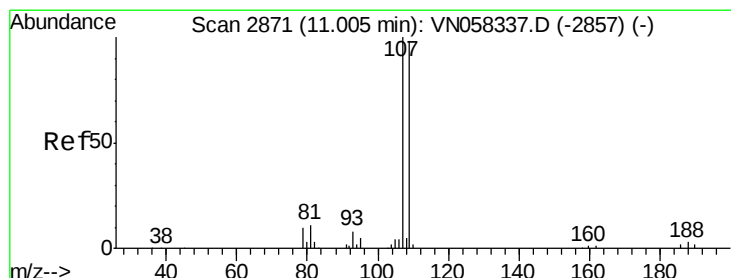
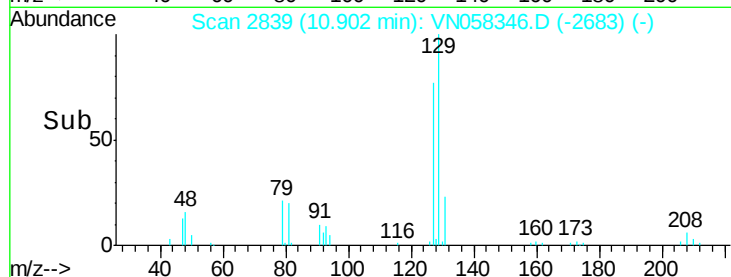
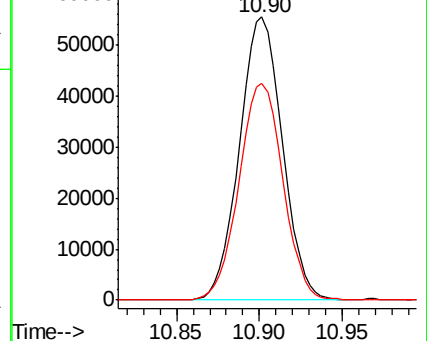
129 100

127 78.4 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: 20.198 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058346.D

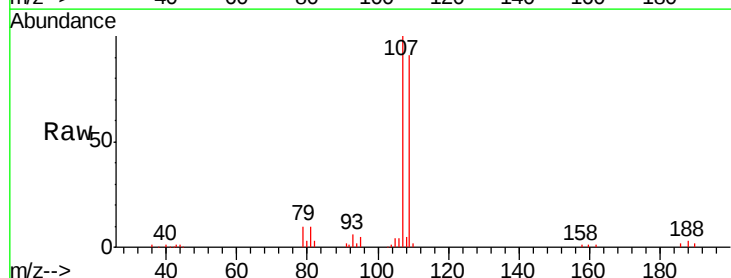
Acq: 24 Sep 2019 15:24

Tgt Ion:107 Resp: 108030

Ion Ratio Lower Upper

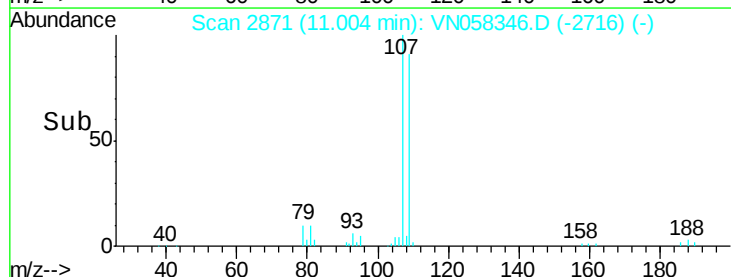
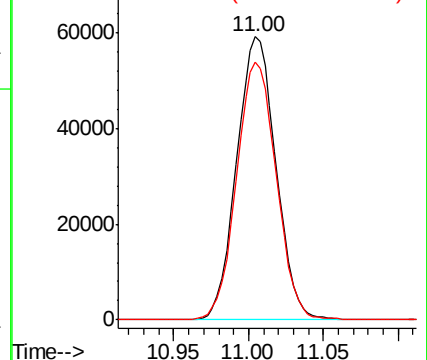
107 100

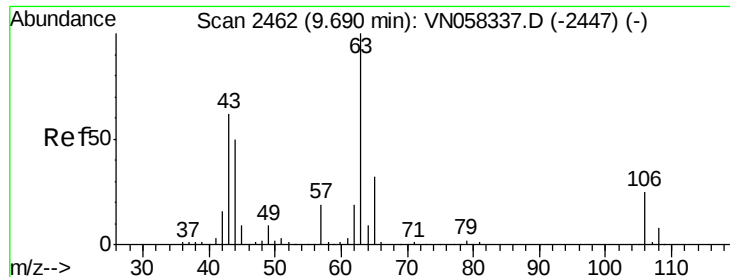
109 92.1 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

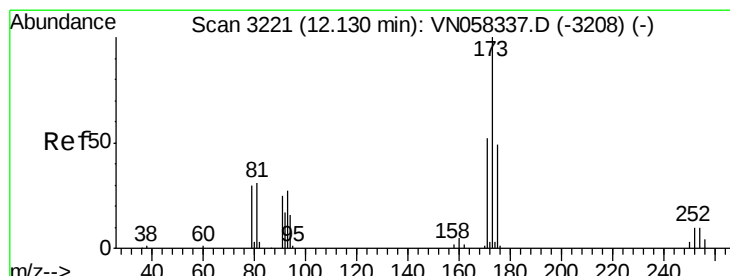
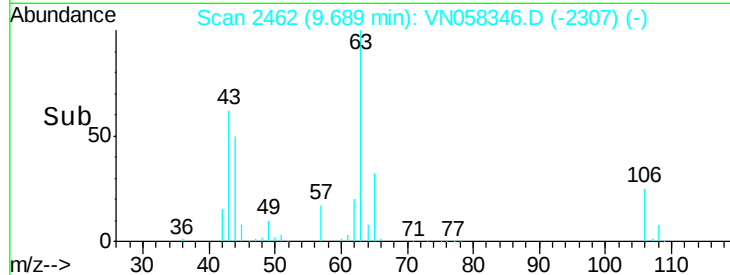
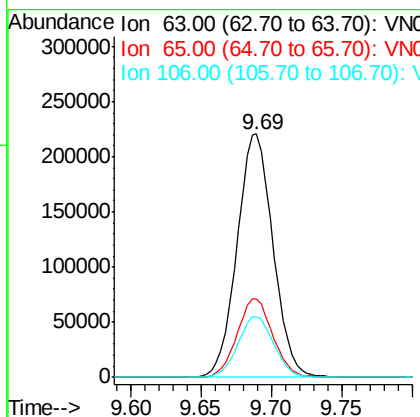
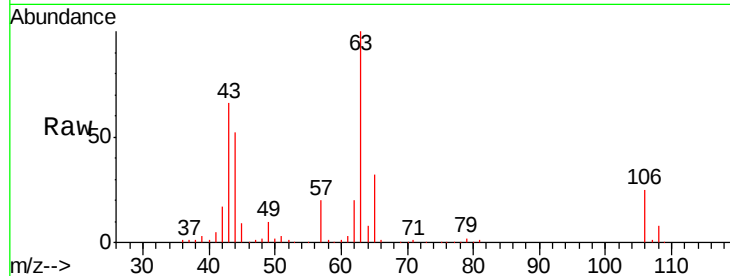




#55
 2-Chloroethyl vinyl ether
 Concen: 112.412 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

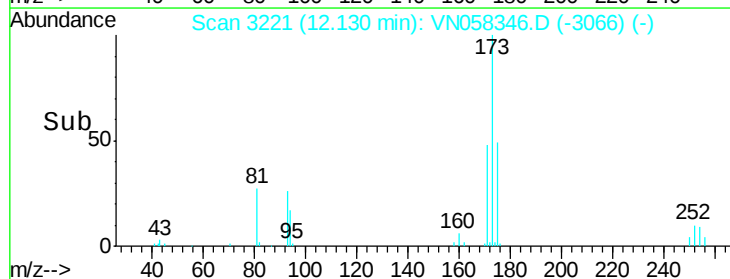
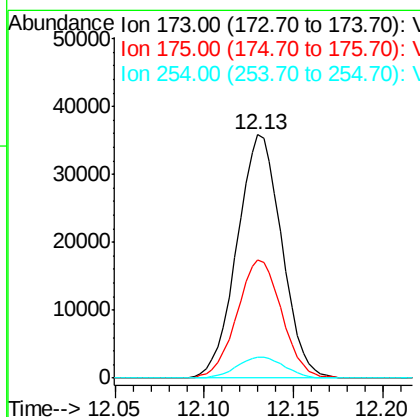
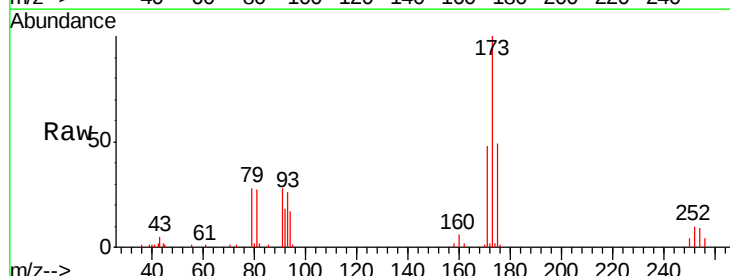
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

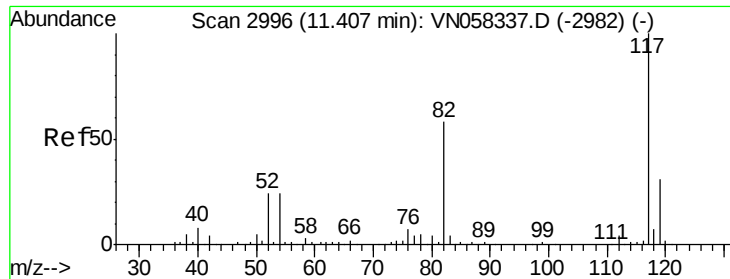
Tgt Ion: 63 Resp: 394711
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.2
 106 25.0 20.4 30.6



#56
 Bromoform
 Concen: 18.862 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 173 Resp: 62646
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.8 58.2
 254 9.2 7.8 11.8

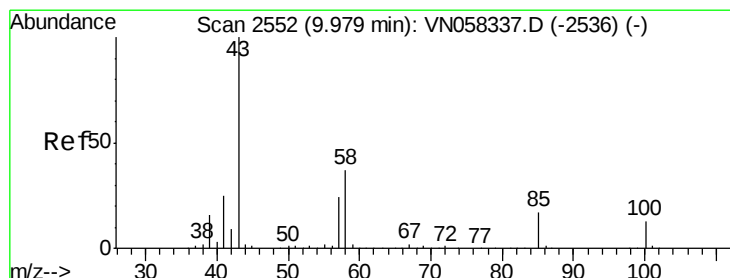
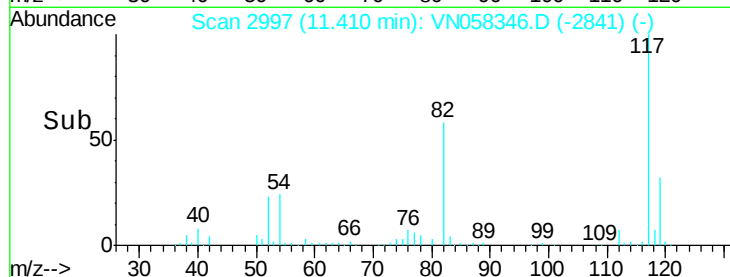
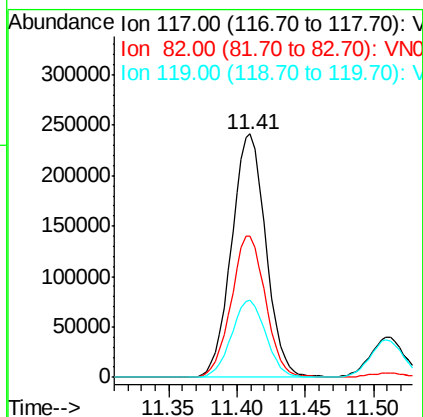
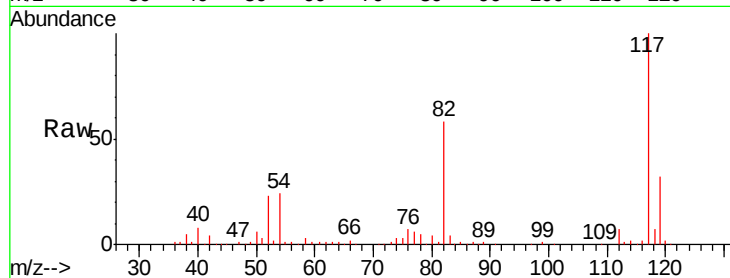




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

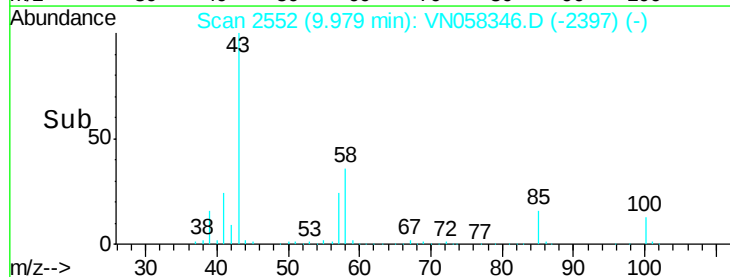
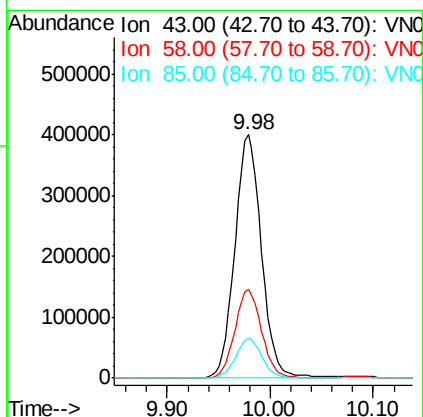
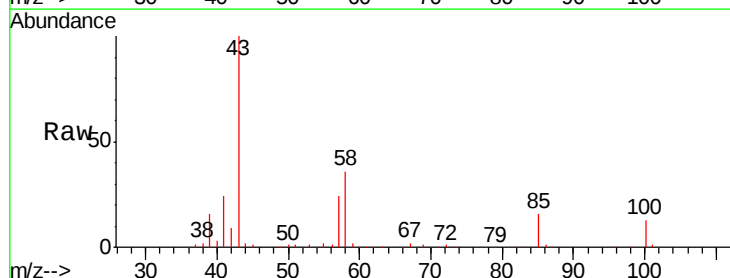
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

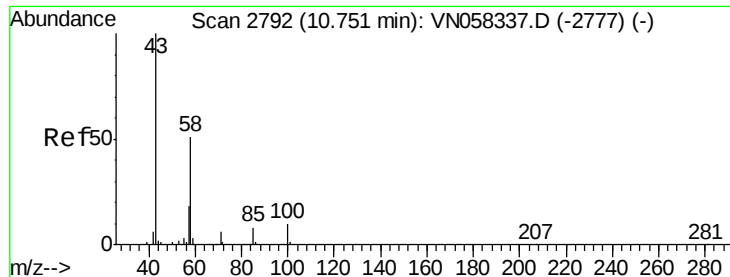
Tgt Ion: 117 Resp: 421282
Ion Ratio Lower Upper
117 100
82 58.3 46.4 69.6
119 31.7 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 108.749 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 43 Resp: 717850
Ion Ratio Lower Upper
43 100
58 36.7 29.3 43.9
85 16.3 13.1 19.7

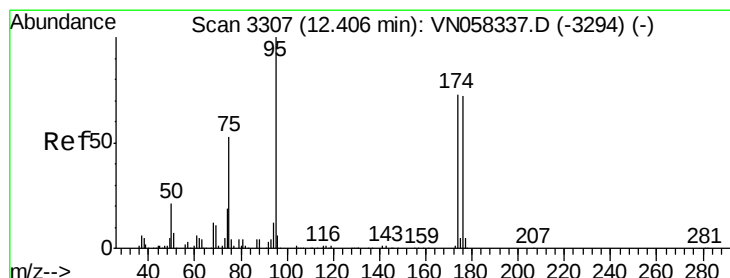
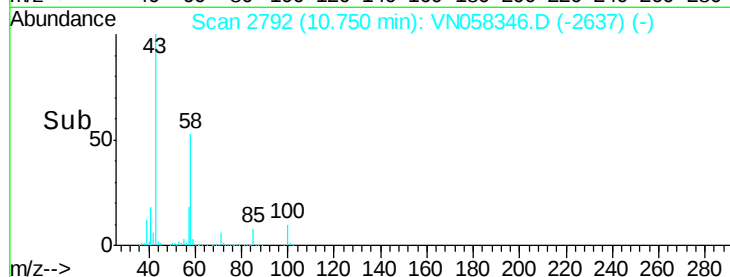
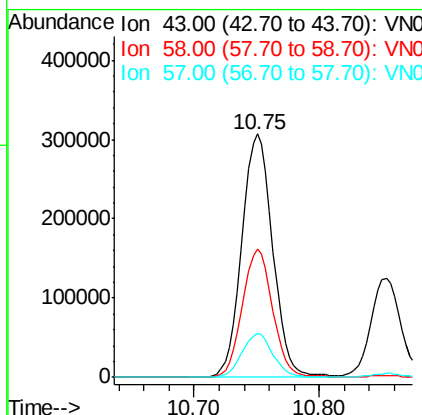
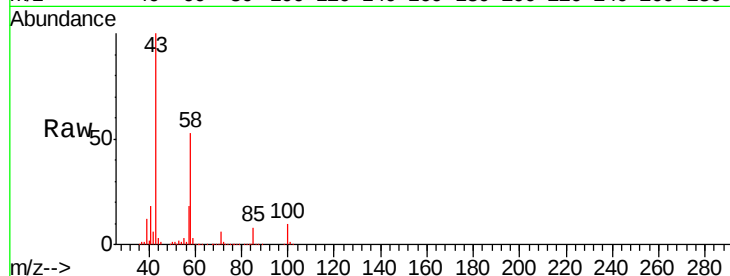




#59
2-Hexanone
Concen: 104.902 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

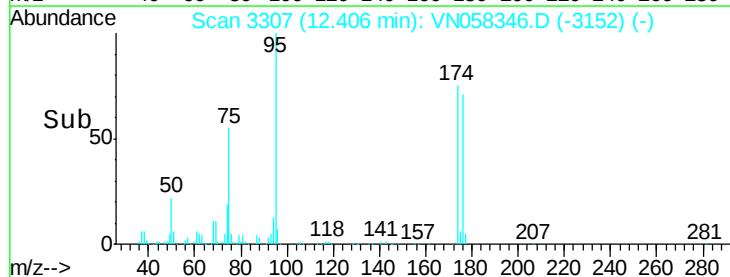
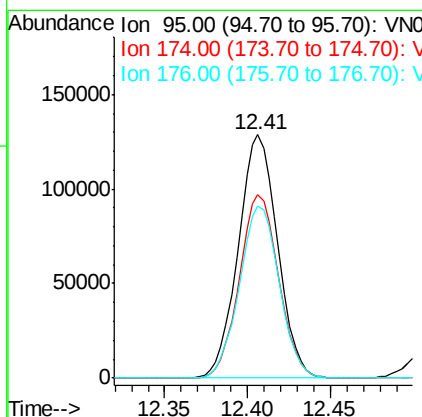
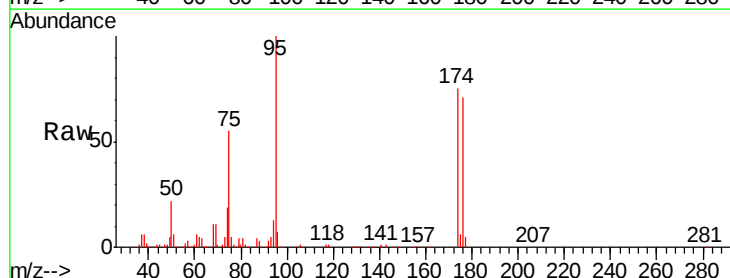
Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

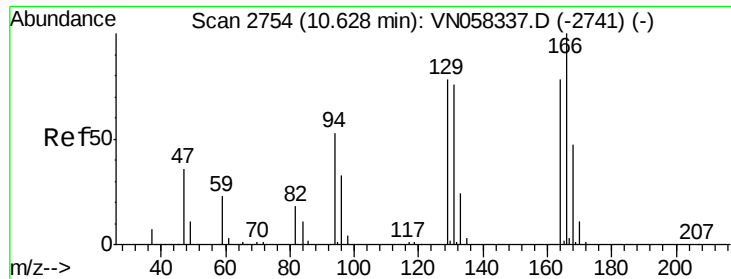
Tgt Ion: 43 Resp: 523488
Ion Ratio Lower Upper
43 100
58 52.0 40.7 61.1
57 18.1 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.039 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion: 95 Resp: 211675
Ion Ratio Lower Upper
95 100
174 75.4 59.0 88.6
176 71.9 58.2 87.2





#61

Tetrachloroethene

Concen: 20.258 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tgt Ion:164 Resp: 89411

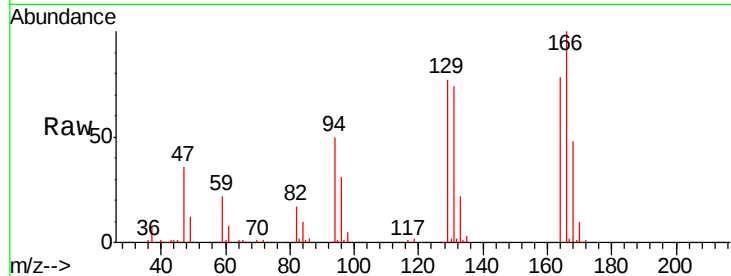
Ion Ratio Lower Upper

164 100

166 128.2 102.6 154.0

129 98.5 79.8 119.6

131 95.5 78.1 117.1

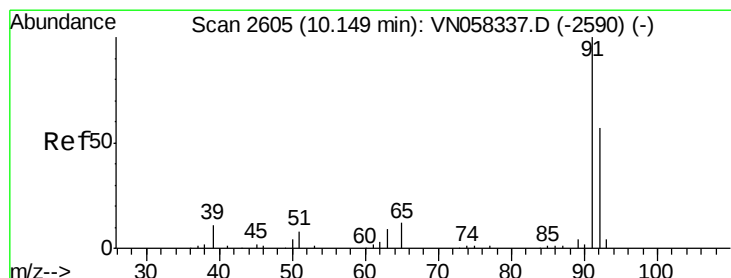
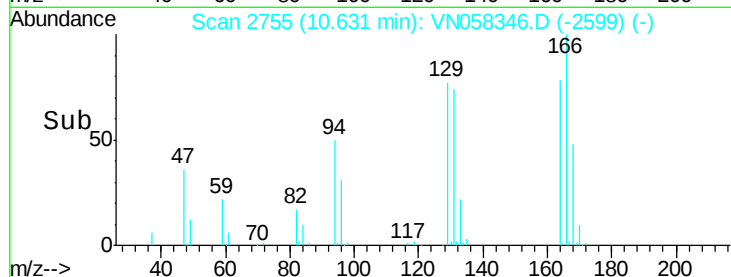
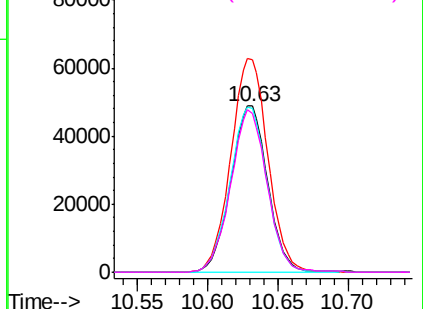


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.792 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058346.D

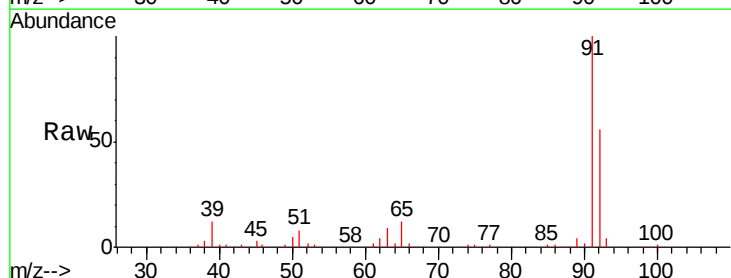
Acq: 24 Sep 2019 15:24

Tgt Ion: 91 Resp: 479715

Ion Ratio Lower Upper

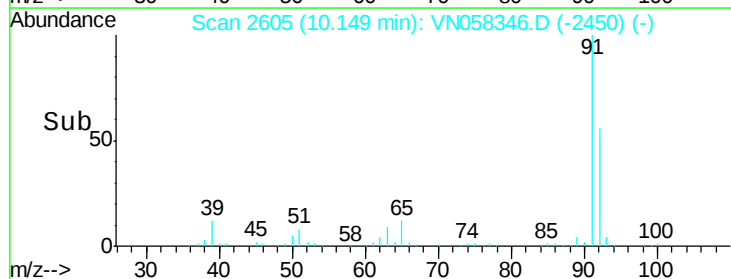
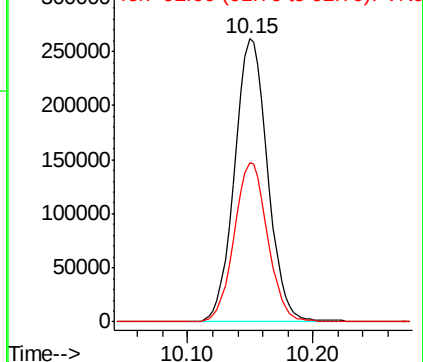
91 100

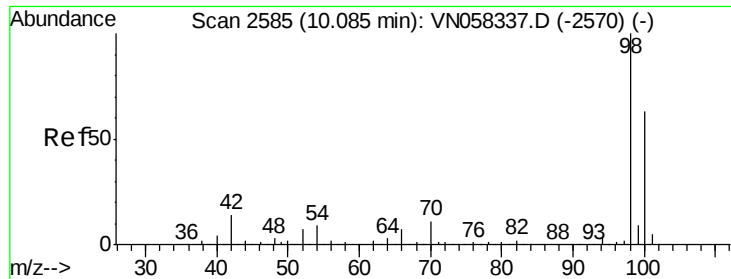
92 56.9 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.900 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

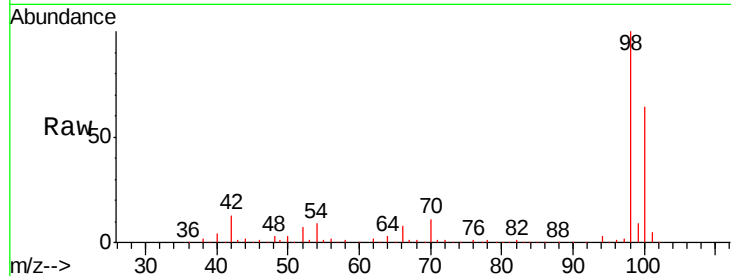
VN0924WBS01

Tgt Ion: 98 Resp: 601156

Ion Ratio Lower Upper

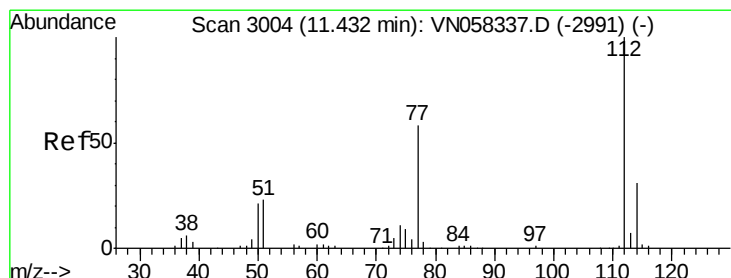
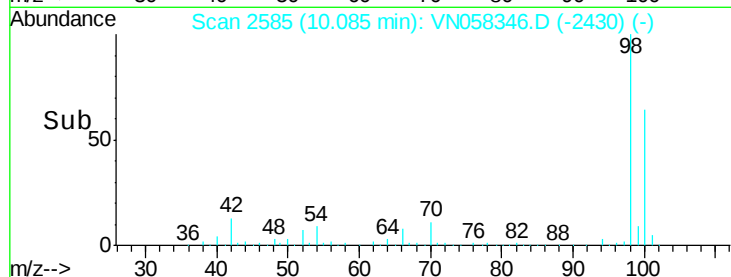
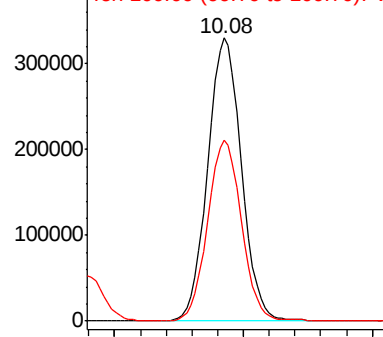
98 100

100 63.8 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.324 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058346.D

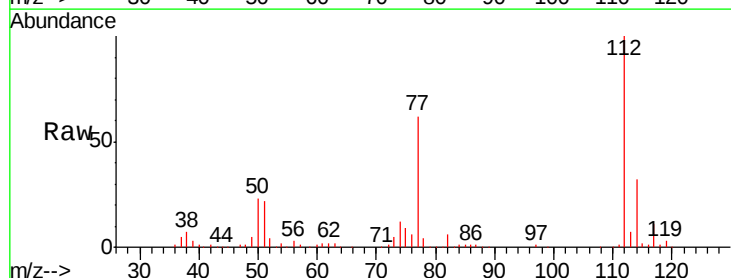
Acq: 24 Sep 2019 15:24

Tgt Ion: 112 Resp: 288160

Ion Ratio Lower Upper

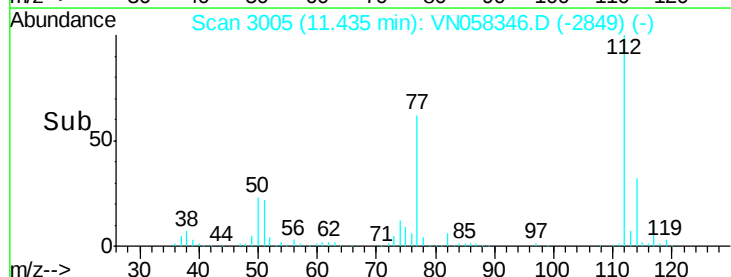
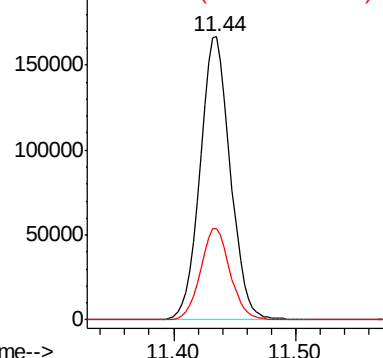
112 100

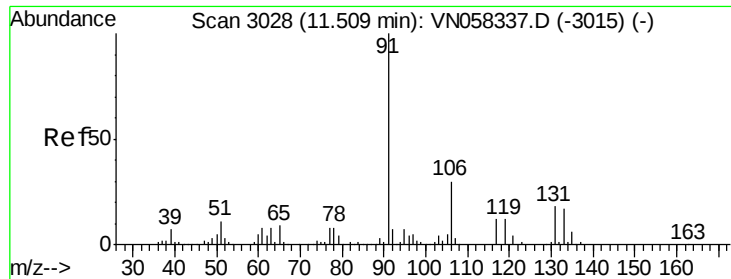
114 32.5 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

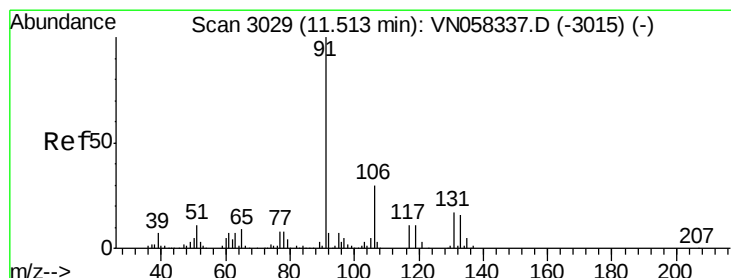
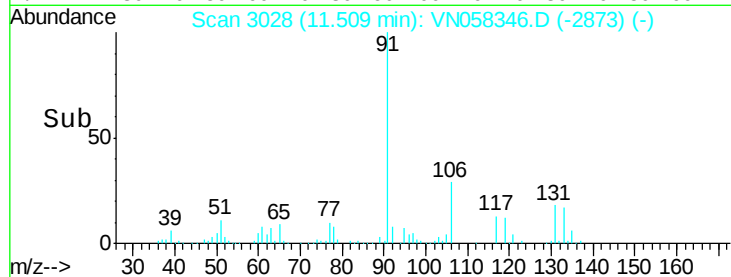
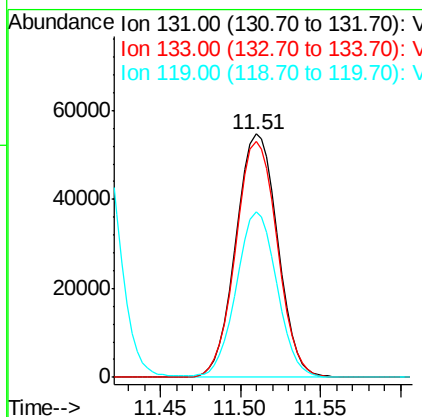
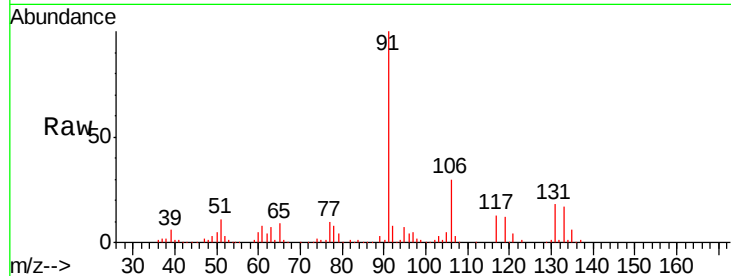




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.644 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

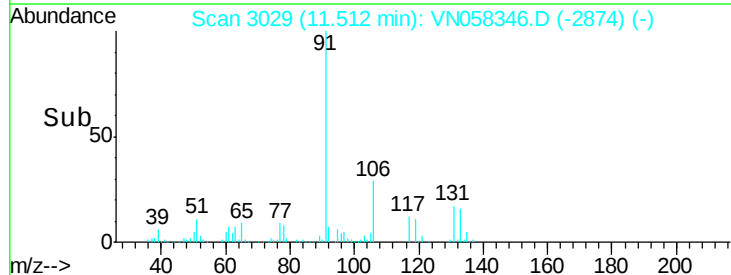
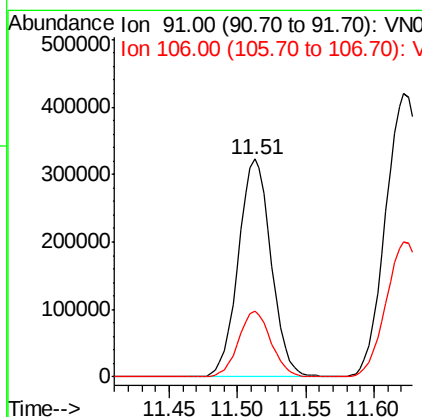
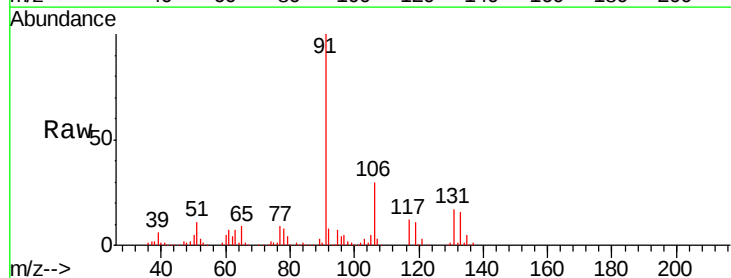
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

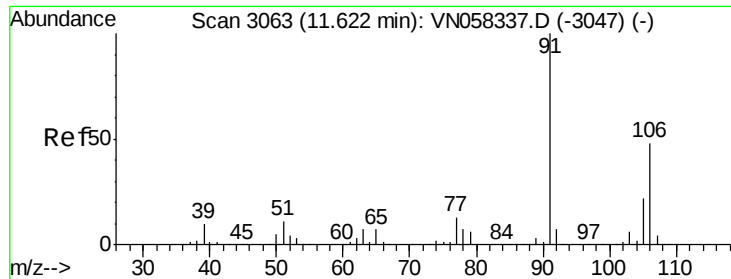
Tgt Ion: 131 Resp: 97640
 Ion Ratio Lower Upper
 131 100
 133 96.3 0.0 191.8
 119 65.9 0.0 134.2



#66
 Ethyl Benzene
 Concen: 21.415 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 91 Resp: 538781
 Ion Ratio Lower Upper
 91 100
 106 29.9 24.2 36.4

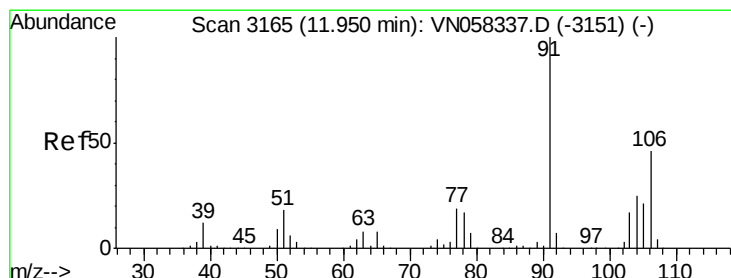
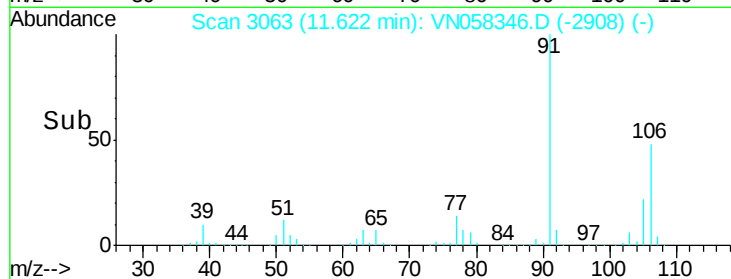
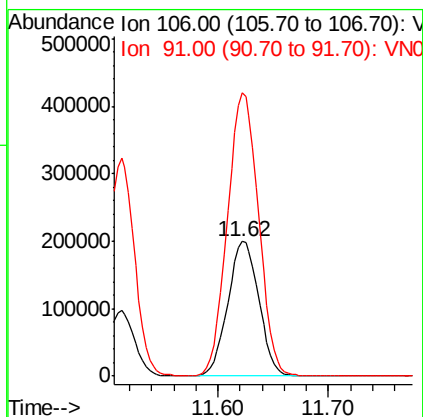
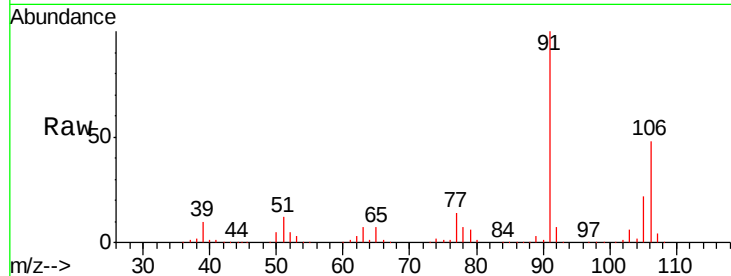




#67
m/p-Xylenes
Concen: 40.250 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

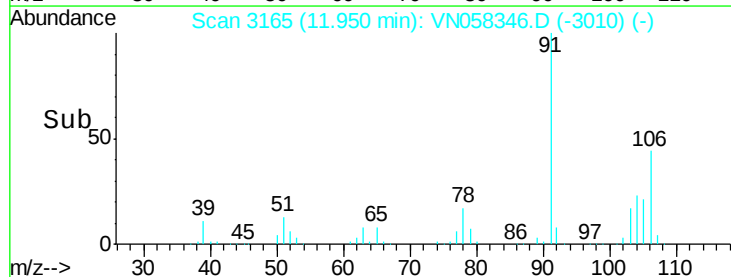
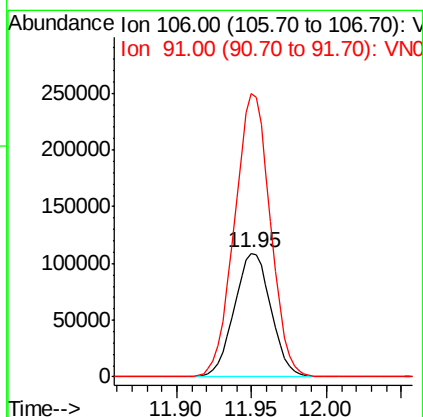
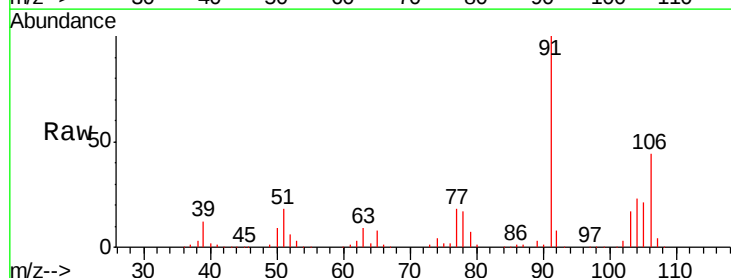
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

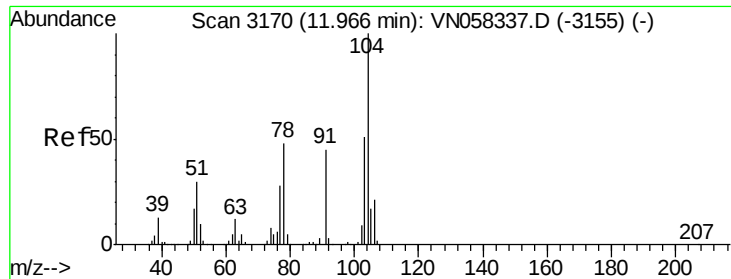
Tgt Ion:106 Resp: 388774
Ion Ratio Lower Upper
106 100
91 210.9 167.8 251.6



#68
o-Xylene
Concen: 19.839 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion:106 Resp: 186334
Ion Ratio Lower Upper
106 100
91 223.1 108.7 325.9

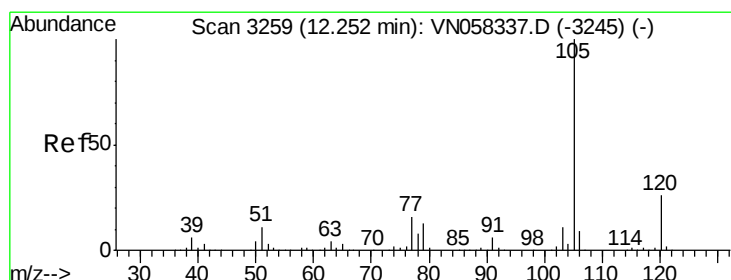
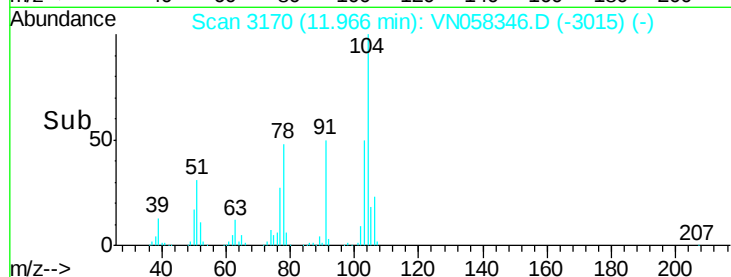
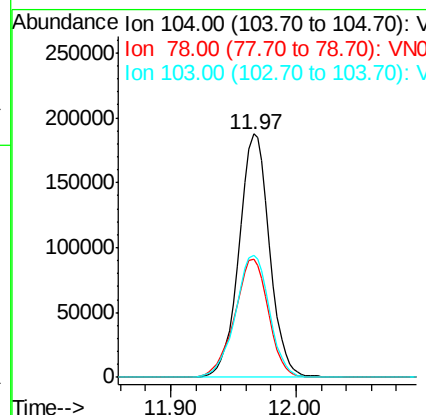
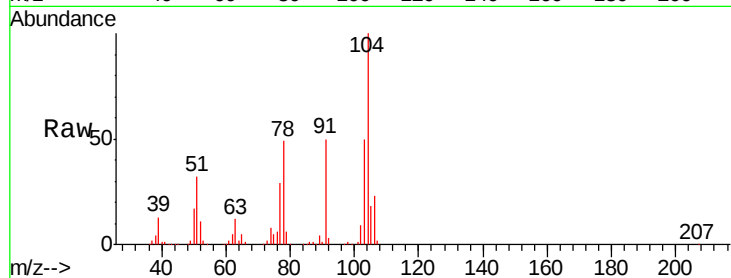




#69
Styrene
Concen: 20.191 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

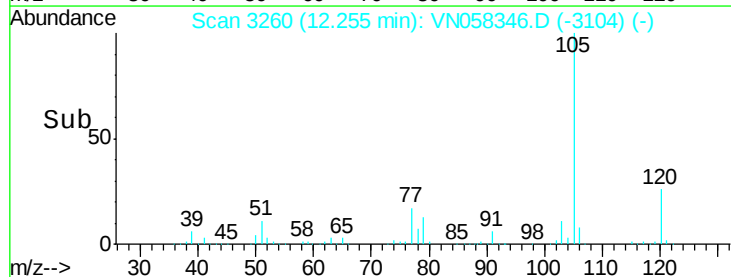
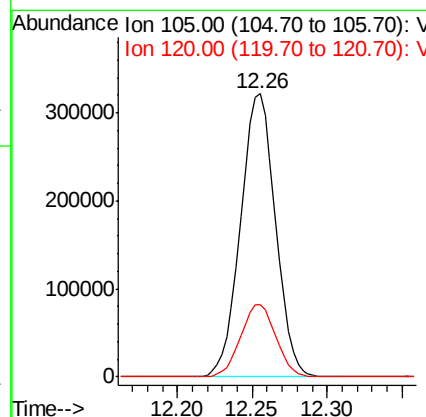
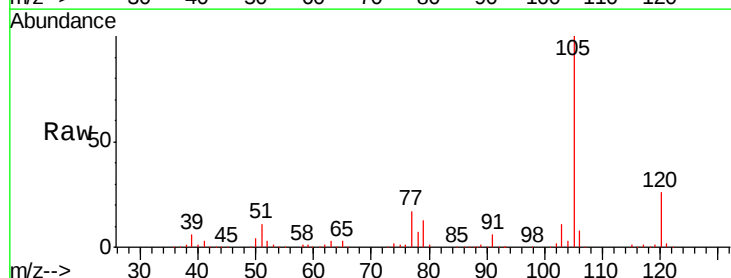
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

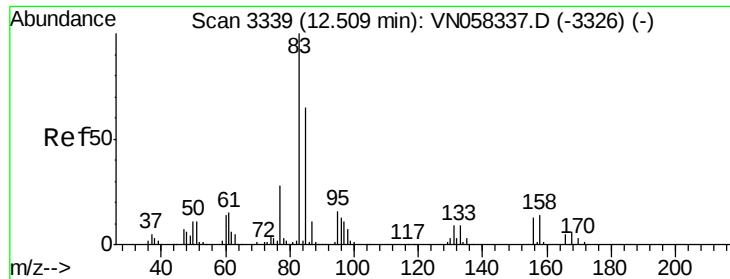
Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.3	63.5
103	55.8	44.1	66.1



#70
Isopropylbenzene
Concen: 21.481 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.2	33.8

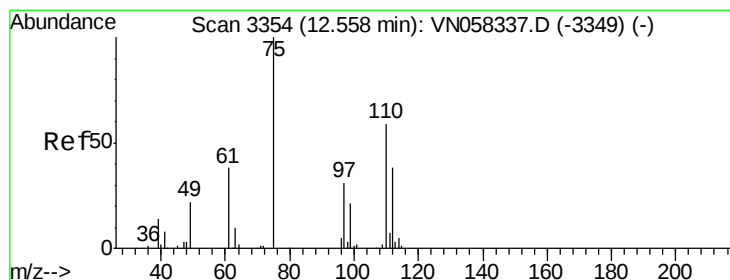
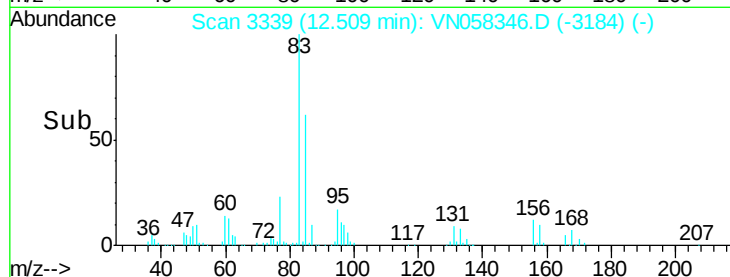
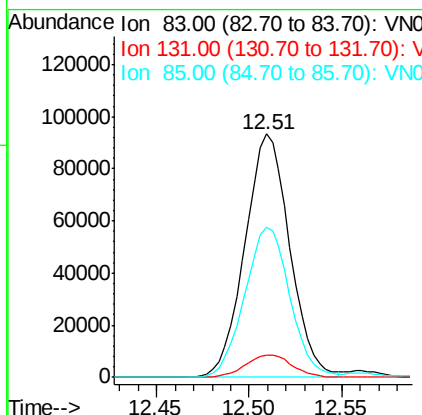
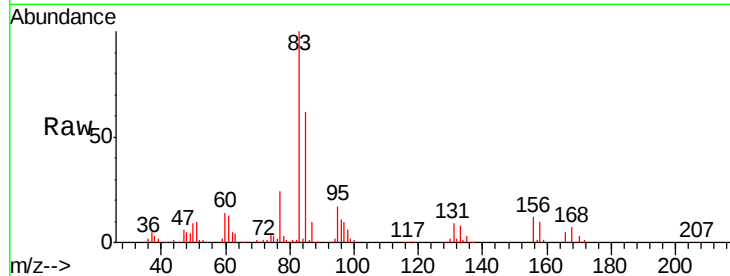




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.370 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

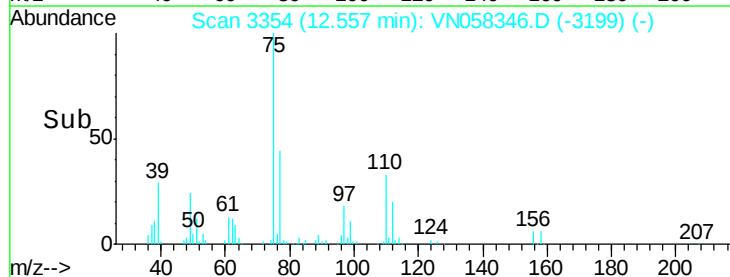
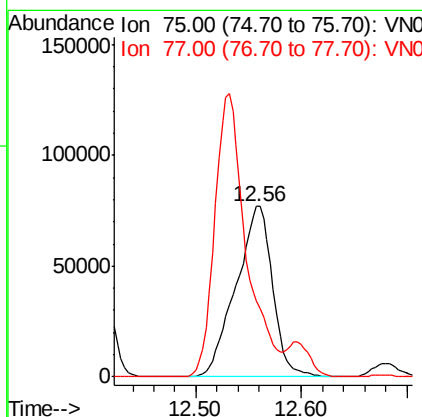
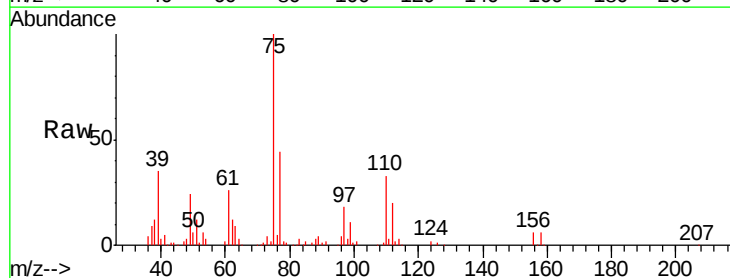
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

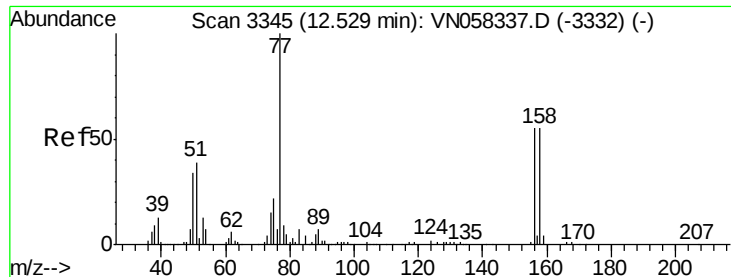
Tgt Ion: 83 Resp: 157577
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 62.0 32.6 97.7



#72
 1,2,3-Trichloropropane
 Concen: 27.967 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion: 75 Resp: 186055
 Ion Ratio Lower Upper
 75 100
 77 143.2 0.0 382.4





#73

Bromobenzene

Concen: 19.759 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

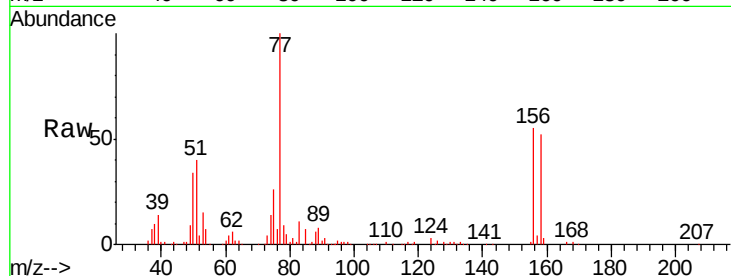
Tgt Ion:156 Resp: 116484

Ion Ratio Lower Upper

156 100

77 228.7 0.0 438.8

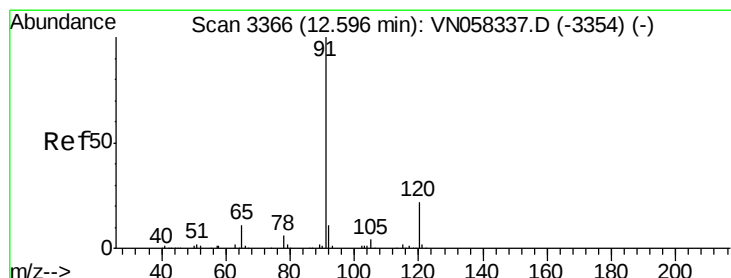
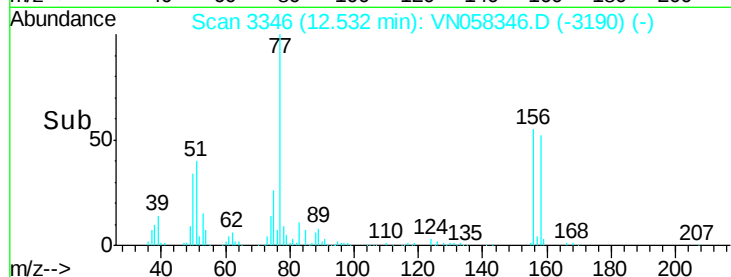
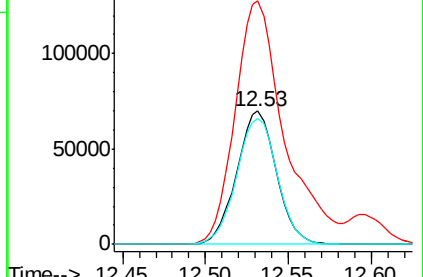
158 97.4 0.0 195.6



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: 21.969 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058346.D

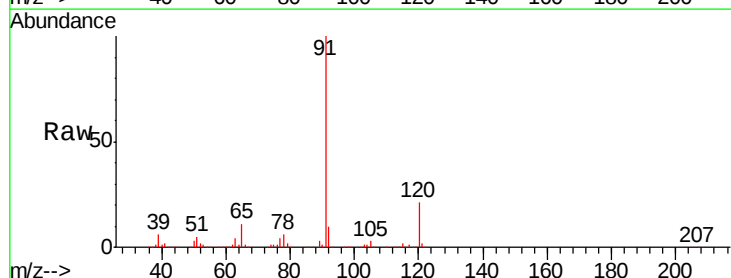
Acq: 24 Sep 2019 15:24

Tgt Ion: 91 Resp: 616421

Ion Ratio Lower Upper

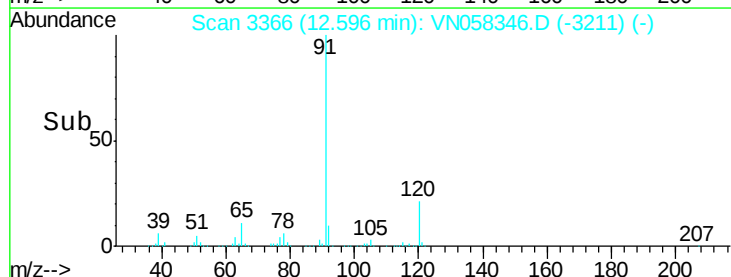
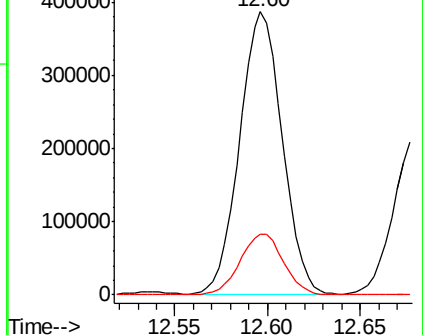
91 100

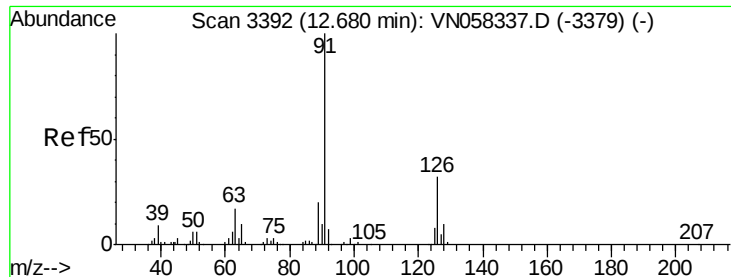
120 21.7 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.355 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

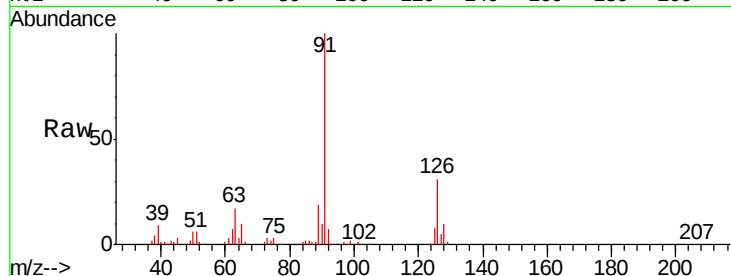
VN0924WBS01

Tgt Ion: 91 Resp: 357271

Ion Ratio Lower Upper

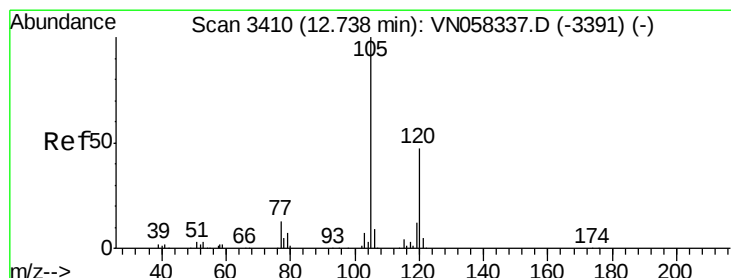
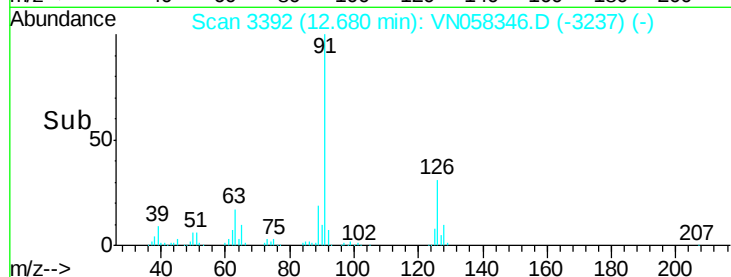
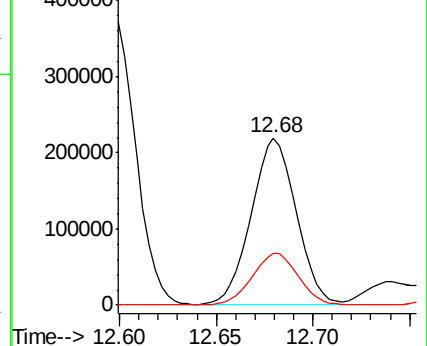
91 100

126 31.7 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 21.089 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058346.D

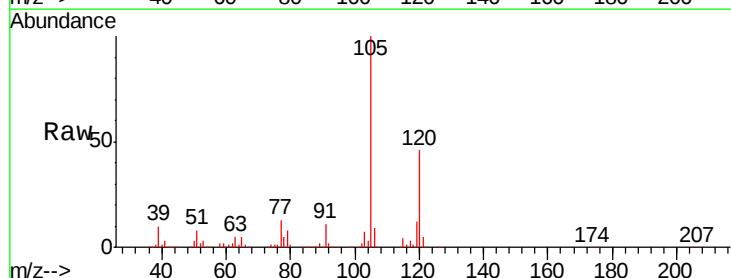
Acq: 24 Sep 2019 15:24

Tgt Ion: 105 Resp: 441969

Ion Ratio Lower Upper

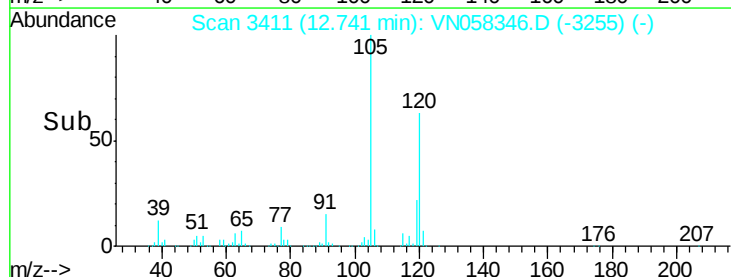
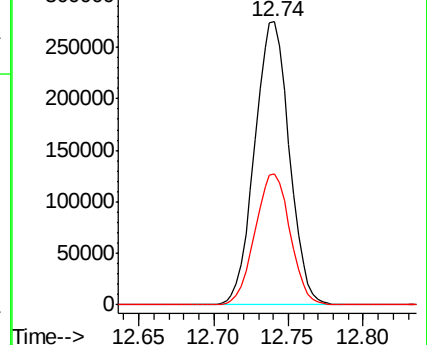
105 100

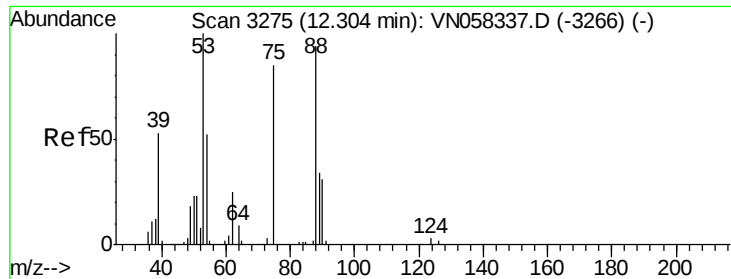
120 47.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.378 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

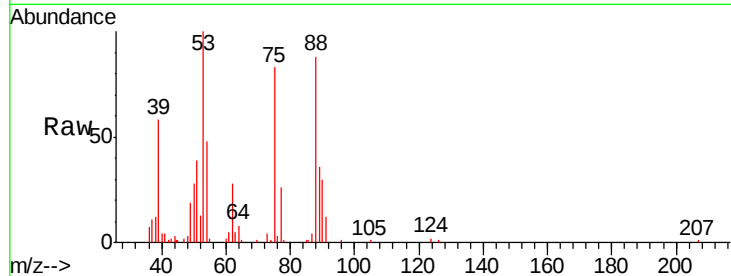
Tgt Ion: 75 Resp: 37712

Ion Ratio Lower Upper

75 100

53 120.0 59.0 176.8

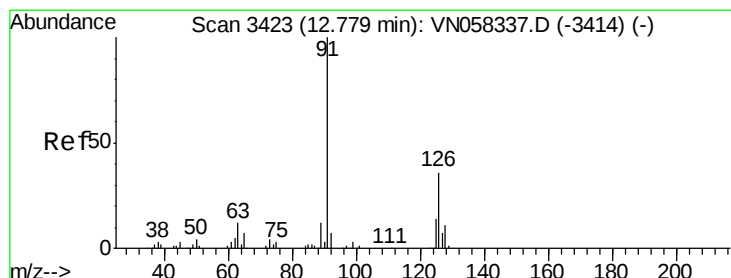
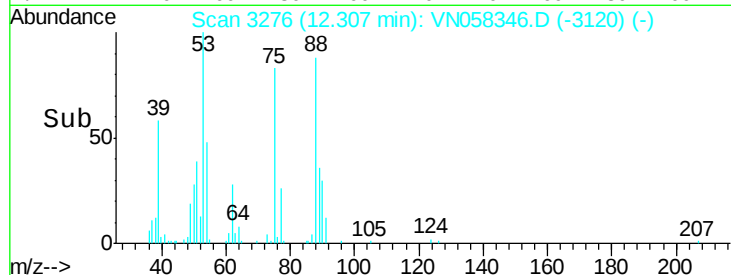
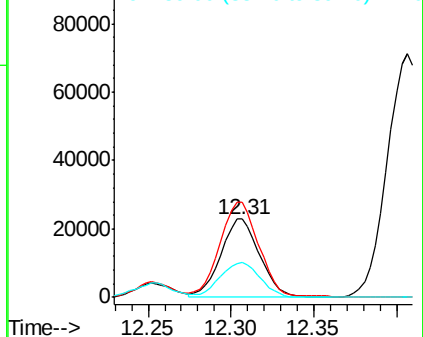
89 43.8 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.518 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058346.D

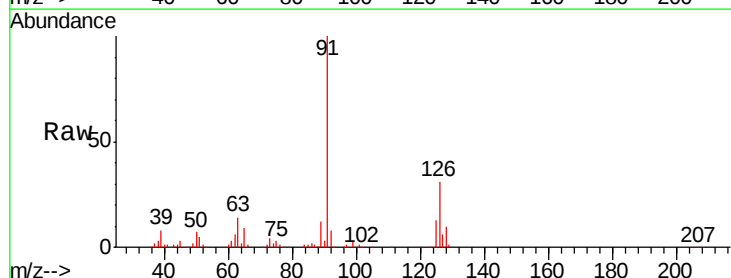
Acq: 24 Sep 2019 15:24

Tgt Ion: 91 Resp: 369098

Ion Ratio Lower Upper

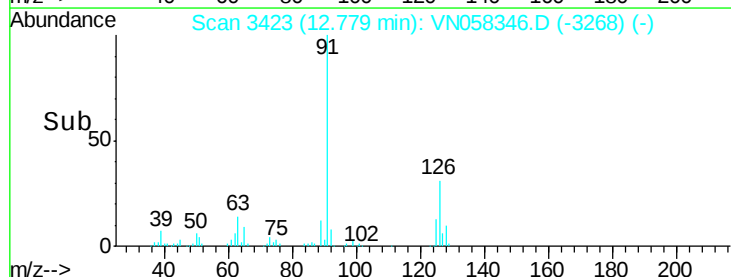
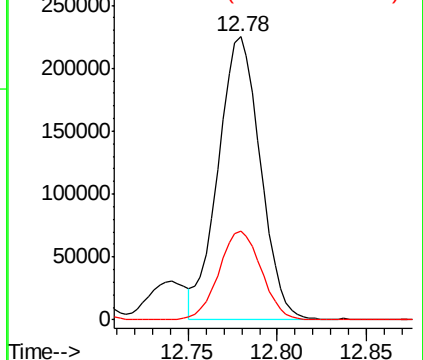
91 100

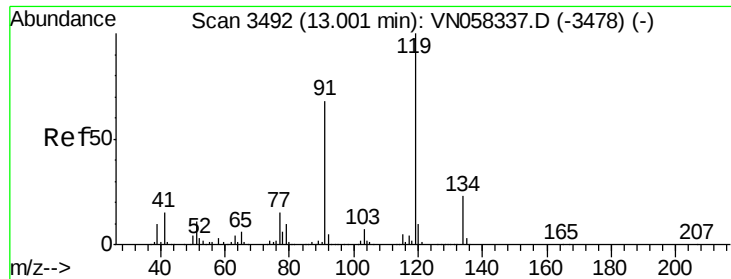
126 31.5 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

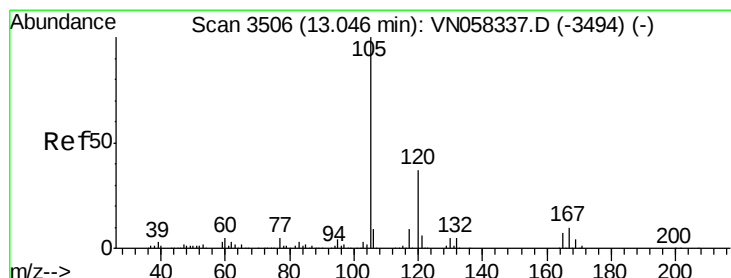
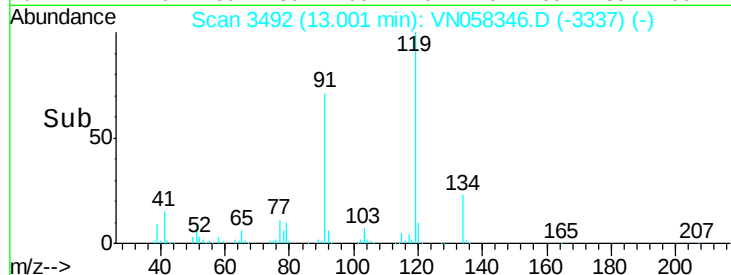
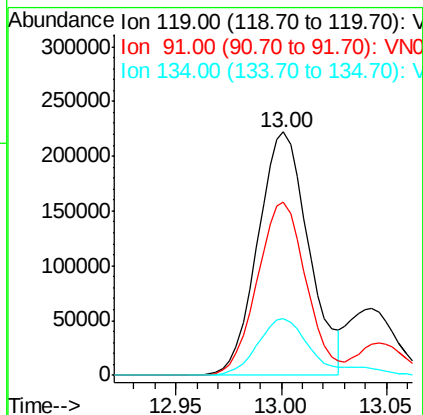
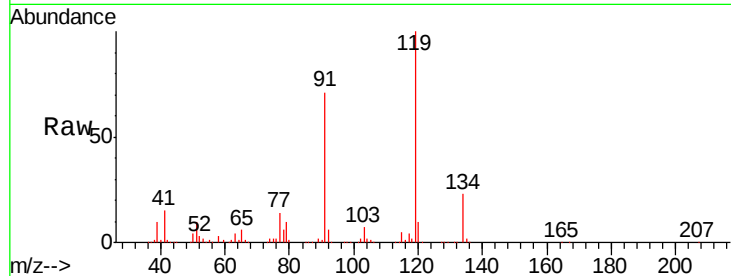




#79
tert-butylbenzene
Concen: 20.510 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

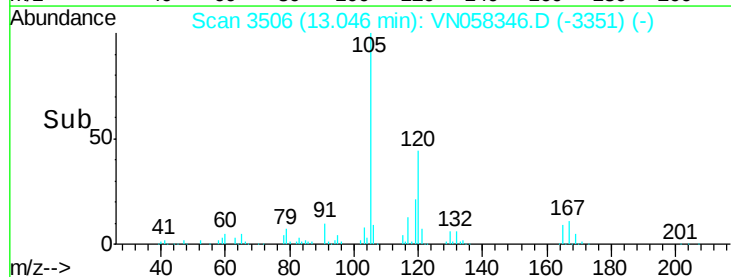
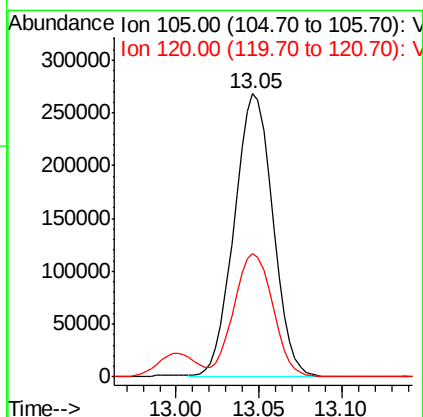
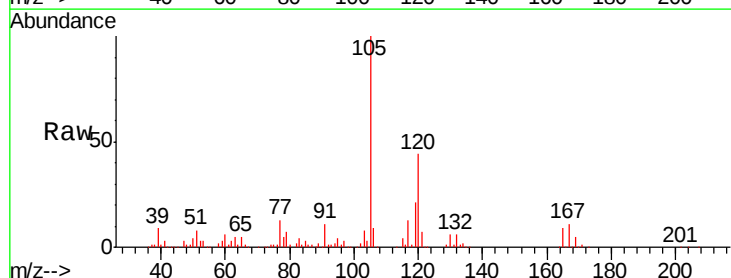
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

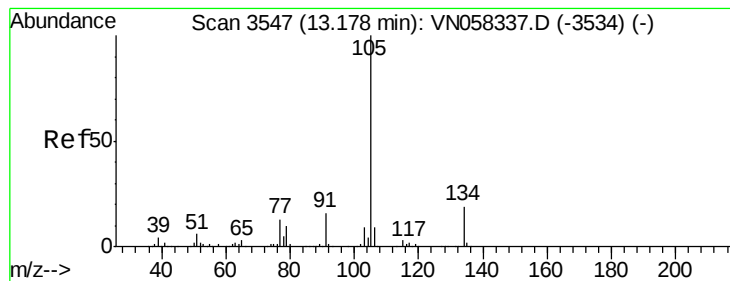
Tgt Ion:119 Resp: 372150
Ion Ratio Lower Upper
119 100
91 69.0 0.0 138.2
134 23.0 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 20.856 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058346.D
Acq: 24 Sep 2019 15:24

Tgt Ion:105 Resp: 436290
Ion Ratio Lower Upper
105 100
120 44.3 0.0 86.6





#81

sec-Butylbenzene

Concen: 21.237 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

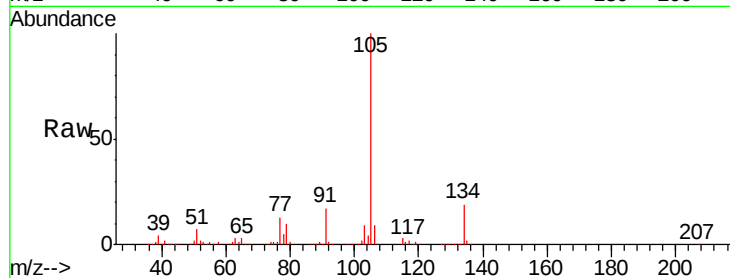
VN0924WBS01

Tgt Ion:105 Resp: 505415

Ion Ratio Lower Upper

105 100

134 18.7 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

300000

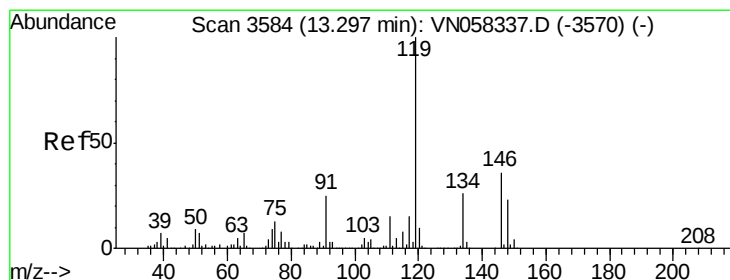
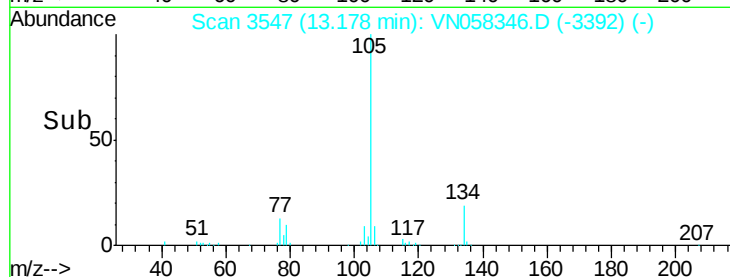
200000

100000

0

Time-->

13.10 13.20



#82

p-Isopropyltoluene

Concen: 21.041 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

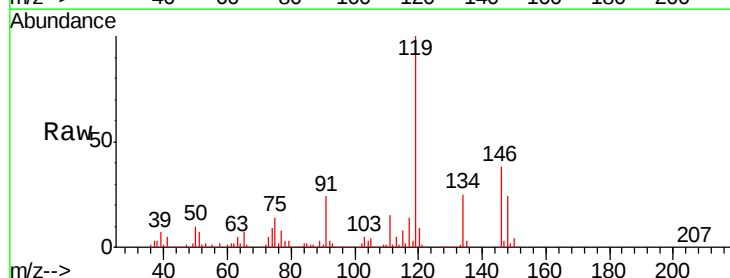
Tgt Ion:119 Resp: 450948

Ion Ratio Lower Upper

119 100

134 25.3 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

13.30

400000

300000

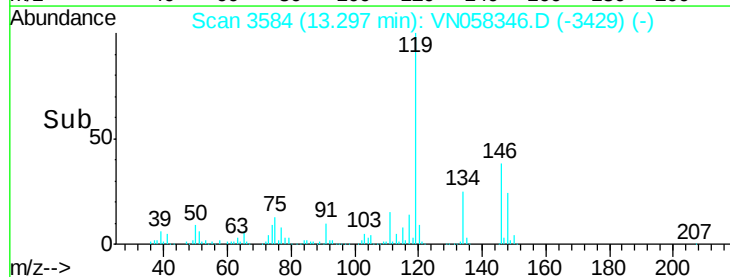
200000

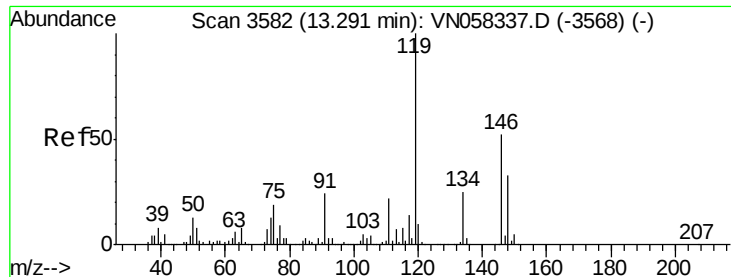
100000

0

Time-->

13.20 13.25 13.30 13.35

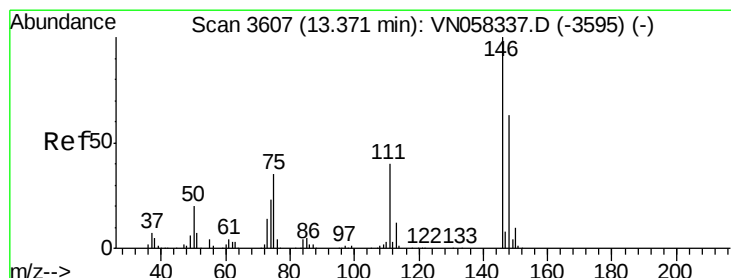
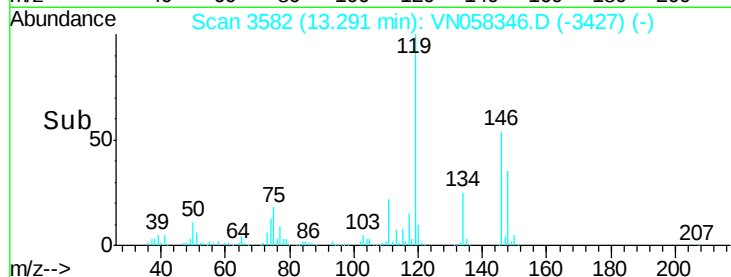
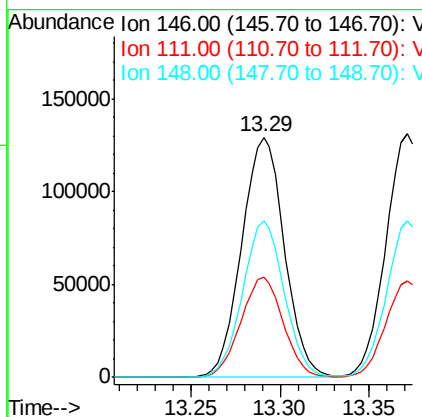
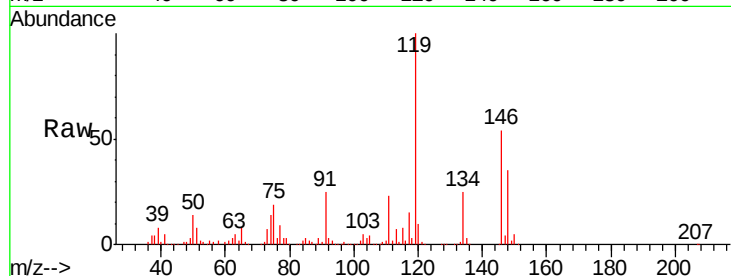




#83
 1,3-Dichlorobenzene
 Concen: 19.834 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

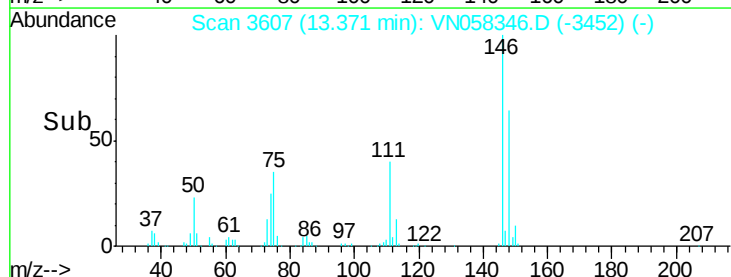
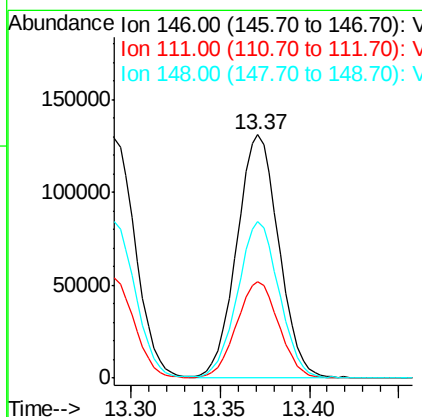
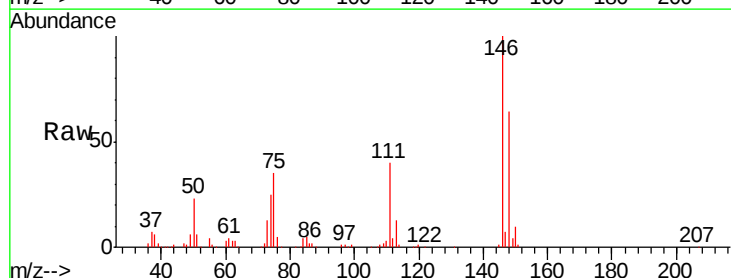
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

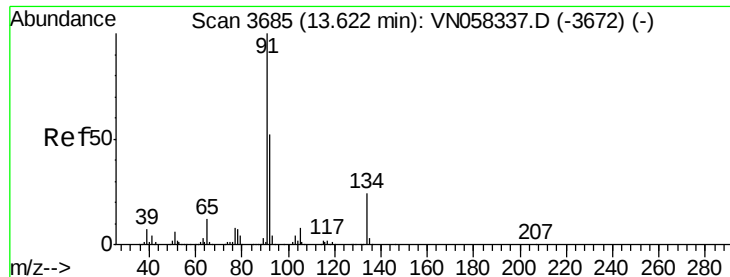
Tgt Ion:146 Resp: 215727
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.9 62.8
 148 63.8 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 20.012 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion:146 Resp: 216633
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.4 61.3
 148 63.6 31.9 95.7





#85

n-Butylbenzene

Concen: 20.765 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

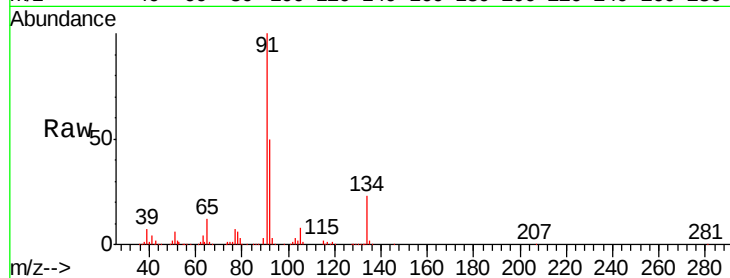
Tgt Ion: 91 Resp: 413483

Ion Ratio Lower Upper

91 100

92 50.0 0.0 102.6

134 23.9 0.0 47.8

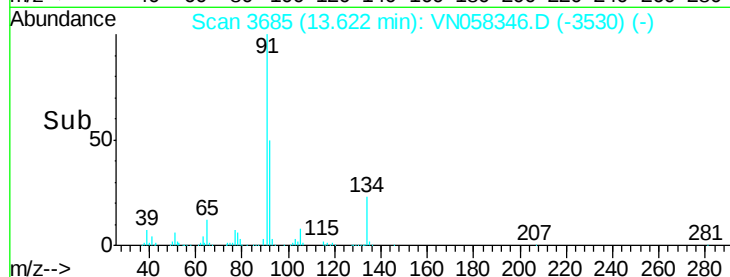


Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3672) (-)

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

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

Time-->

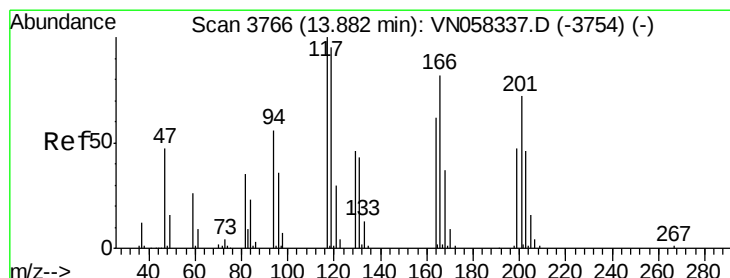


Abundance Ion 91.00 (90.70 to 91.70): VN058346.D (-3530) (-)

Ion 92.00 (91.70 to 92.70): VN058346.D (-3530) (-)

Ion 134.00 (133.70 to 134.70): VN058346.D (-3530) (-)

Time-->



#86

Hexachloroethane

Concen: 19.159 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058346.D

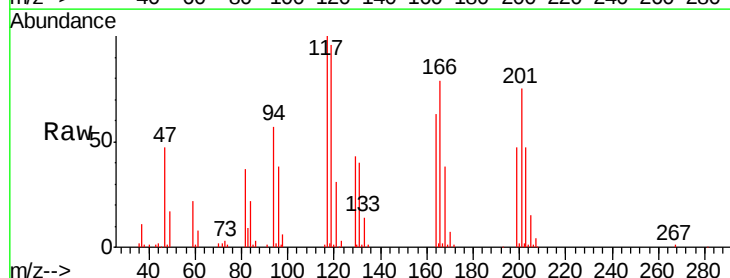
Acq: 24 Sep 2019 15:24

Tgt Ion: 117 Resp: 66324

Ion Ratio Lower Upper

117 100

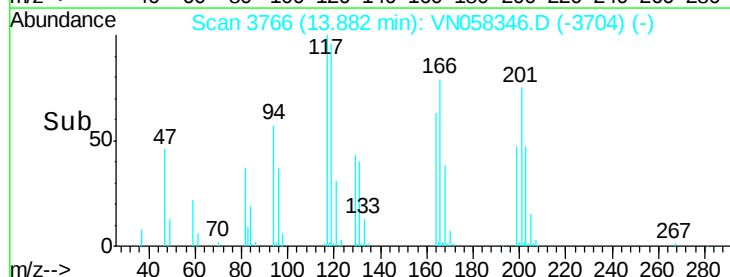
201 75.6 37.2 111.6



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

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

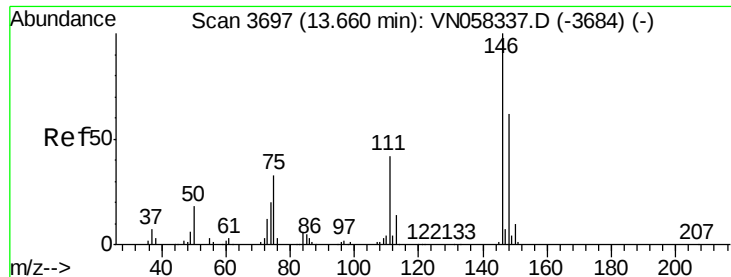
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN058346.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN058346.D (-3704) (-)

Time-->



#87

1,2-Dichlorobenzene

Concen: 19.783 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

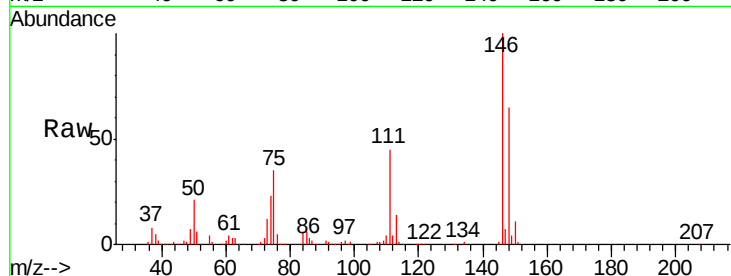
Tgt Ion:146 Resp: 210112

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.3

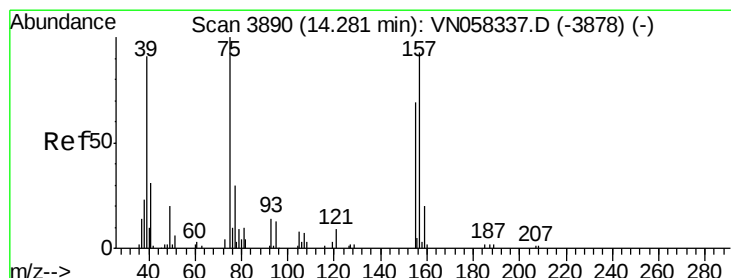
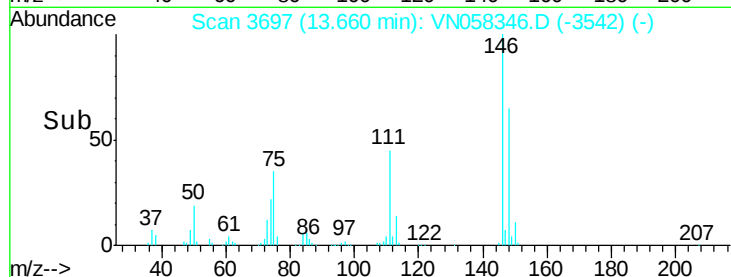
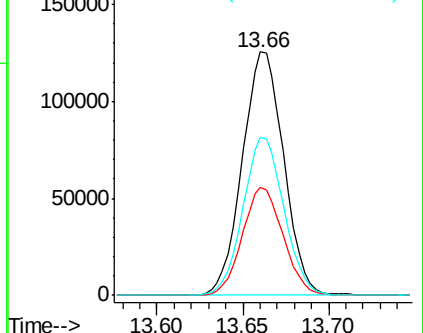
148 64.3 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.804 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

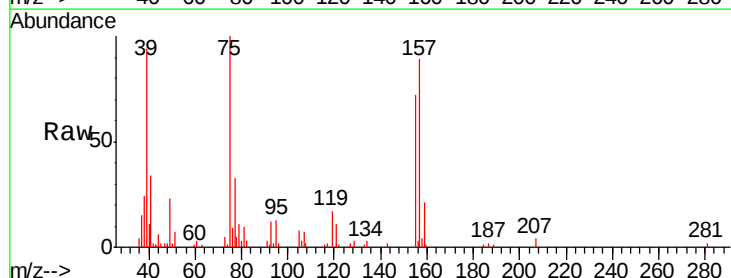
Tgt Ion: 75 Resp: 26880

Ion Ratio Lower Upper

75 100

155 74.1 58.5 87.7

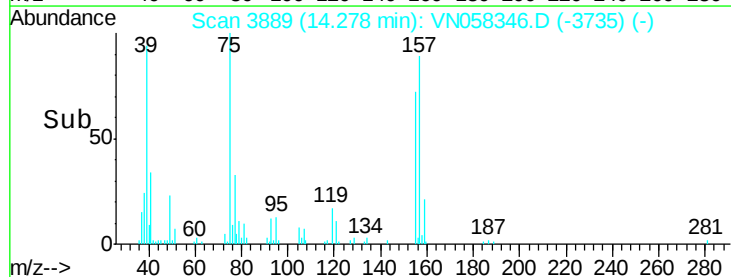
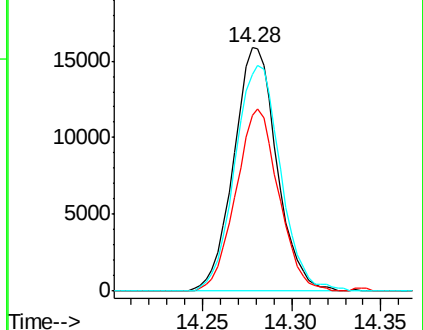
157 97.0 75.4 113.2

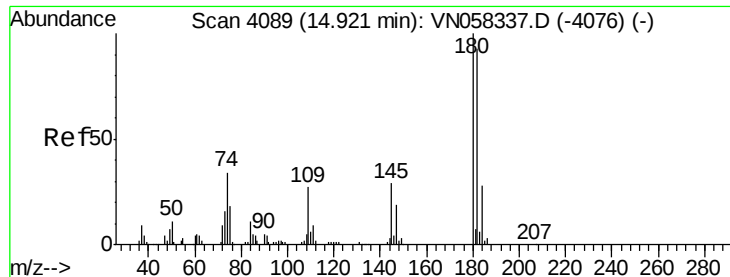


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

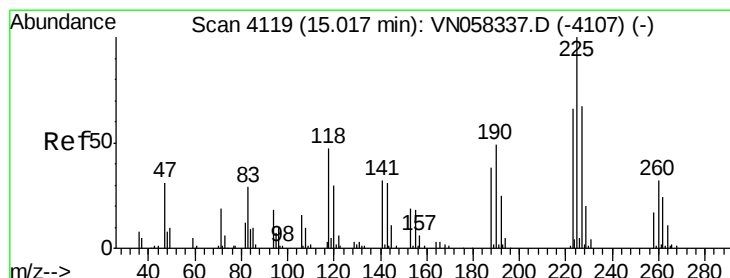
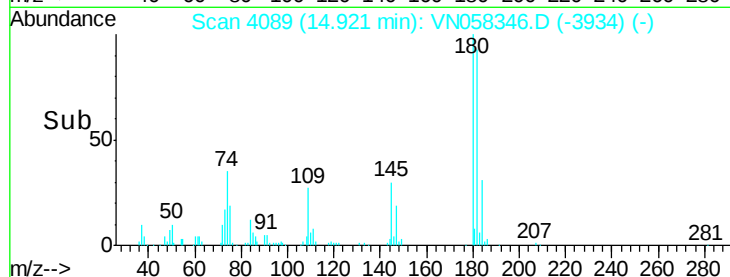
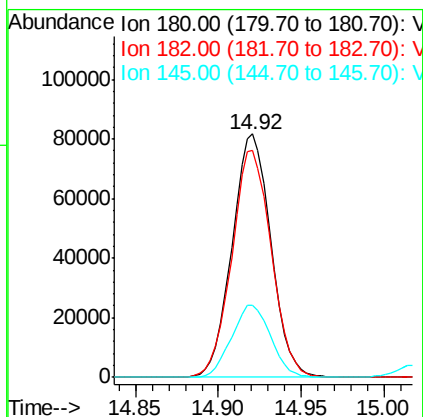
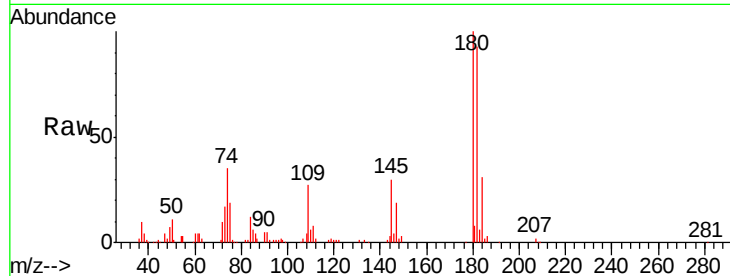




#89
 1,2,4-Trichlorobenzene
 Concen: 19.133 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

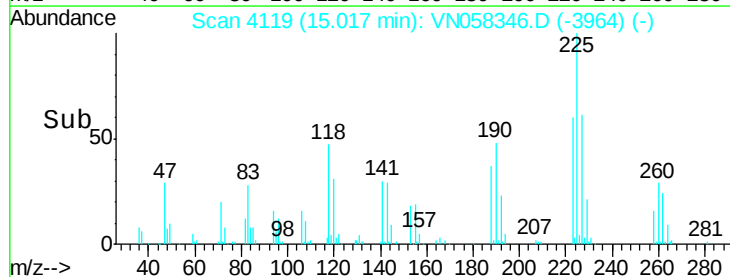
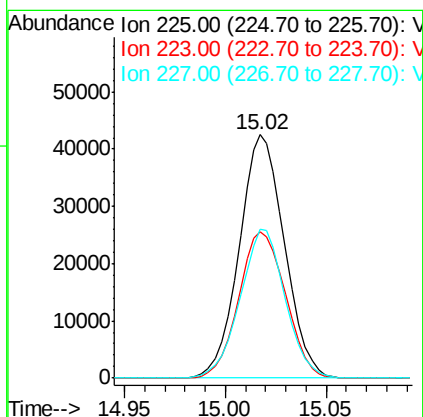
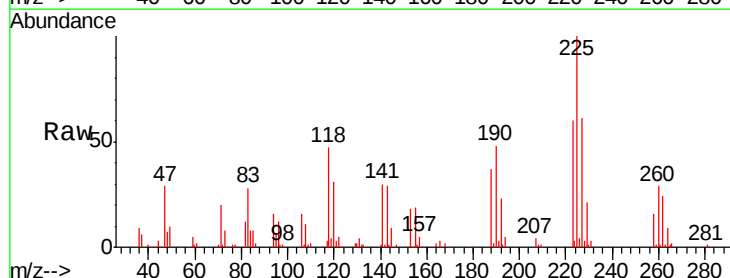
Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBS01

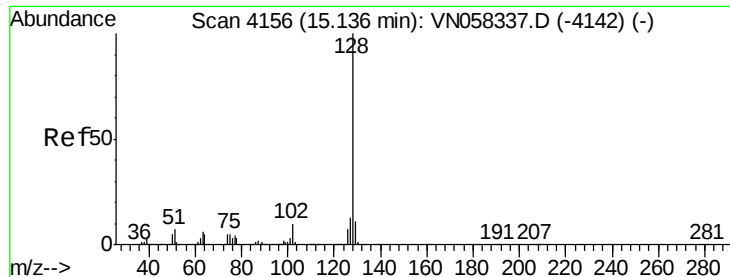
Tgt Ion:180 Resp: 132756
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.2 112.8
 145 30.1 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 19.814 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058346.D
 Acq: 24 Sep 2019 15:24

Tgt Ion:225 Resp: 66521
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 132.6
 227 60.9 0.0 129.2





#91

Naphthalene

Concen: 22.129 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

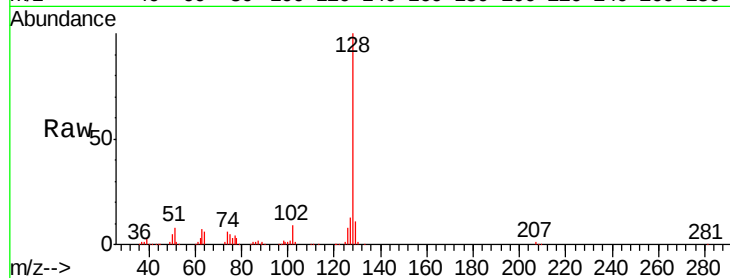
Tgt Ion:128 Resp: 421670

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

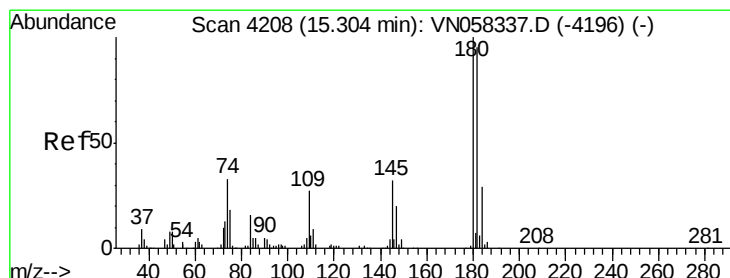
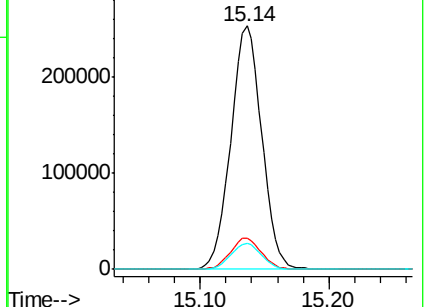
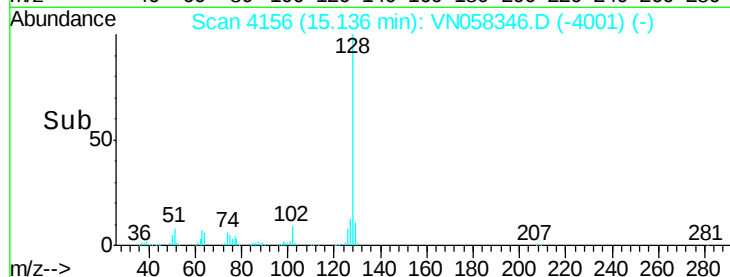
129 10.6 8.6 13.0



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: 17.923 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058346.D

Acq: 24 Sep 2019 15:24

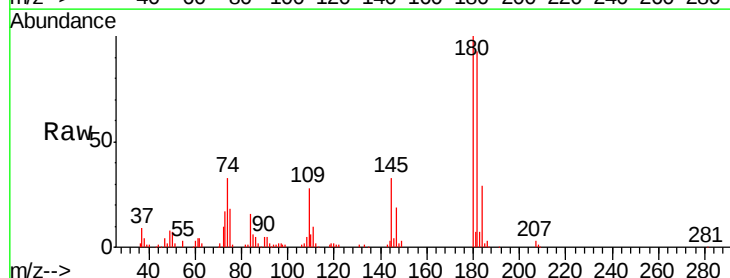
Tgt Ion:180 Resp: 119443

Ion Ratio Lower Upper

180 100

182 93.8 0.0 189.4

145 32.5 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

