

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081719\
 Data File : VN057352.D
 Acq On : 16 Aug 2019 13:30
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Quant Time: Aug 17 03:24:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	145727	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	797401	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	682272	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	272381	29.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.90%
60) 4-Bromofluorobenzene	12.40	95	294445	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	10.09	98	937350	30.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	156357	20.771 ug/l	97
3) Chloromethane	2.05	50	180157	20.753 ug/l	97
4) Vinyl Chloride	2.18	62	175208	21.096 ug/l	95
5) Bromomethane	2.55	94	146232	22.628 ug/l	99
6) Chloroethane	2.69	64	114960	20.207 ug/l	100
7) Trichlorofluoromethane	3.02	101	268266	20.155 ug/l	98
8) Diethyl Ether	3.40	74	99799	20.373 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161641	20.394 ug/l	96
10) 1,1-Dichloroethene	3.73	96	162100	20.622 ug/l	91
11) Methyl Iodide	3.95	142	237874	17.946 ug/l	98
12) Methyl Acetate	4.31	43	175734	19.885 ug/l	99
13) Acrolein	3.60	56	80750	96.626 ug/l	99
14) Acrylonitrile	4.97	53	361707	101.036 ug/l	99
15) Acetone	3.80	58	105731	100.226 ug/l	96
16) Carbon Disulfide	4.05	76	448354	20.866 ug/l	100
17) Allyl chloride	4.32	41	221927	19.329 ug/l	96
18) Methylene Chloride	4.55	84	182917	20.331 ug/l #	90
19) trans-1,2-Dichloroethene	5.03	96	172014	20.208 ug/l	97
20) Diisopropyl ether	5.94	45	485331	20.300 ug/l #	96
21) 1,1-Dichloroethane	5.84	63	296959	20.102 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	198703	20.145 ug/l	97
23) tert-Butyl Alcohol	4.76	59	126517	99.167 ug/l	100
24) Methyl tert-Butyl Ether	5.03	73	484781	20.097 ug/l	99
25) Chloroform	7.36	83	312864	20.263 ug/l	99
26) Cyclohexane	7.64	56	249384	20.309 ug/l #	95
29) 1,1-Dichloropropene	7.79	75	230528	19.874 ug/l	98
30) 2-Butanone	6.82	43	452567	98.891 ug/l	95
31) 2,2-Dichloropropane	6.81	77	251262	19.774 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	270873	19.754 ug/l	97
33) Carbon Tetrachloride	7.77	117	242343	19.848 ug/l	97
34) Benzene	8.03	78	706109	20.066 ug/l	98
35) Methacrylonitrile	7.16	41	88547	14.403 ug/l	97
36) 1,2-Dichloroethane	8.12	62	222214	19.431 ug/l	99
37) Trichloroethene	8.83	130	209508	20.454 ug/l	92
38) Methylcyclohexane	9.08	83	274996	20.018 ug/l	97
39) 1,2-Dichloropropane	9.11	63	178434	19.839 ug/l	98
40) Dibromomethane	9.20	93	119068	19.900 ug/l	94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240246	19.816	ug/l	98
42) Vinyl Acetate	5.88	43	1945297	101.021	ug/l	97
43) Ethyl Acetate	6.92	43	179411	19.108	ug/l	99
44) Isopropyl Acetate	8.16	43	322151	19.500	ug/l	90
45) 1,4-Dioxane	9.19	88	62239	399.601	ug/l	98
46) Methyl methacrylate	9.19	41	150694	20.339	ug/l	96
47) n-amyl Acetate	12.07	43	254393	20.837	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	256685	19.570	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	290150	19.869	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	174117	19.940	ug/l	97
51) Ethyl methacrylate	10.43	69	249619	19.720	ug/l	93
52) 1,3-Dichloropropane	10.70	76	282813	19.832	ug/l	98
53) Dibromochloromethane	10.90	129	198441	19.753	ug/l	99
54) 1,2-Dibromoethane	11.00	107	184782	20.093	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	272459	92.466	ug/l	97
56) Bromoform	12.13	173	145060	19.122	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	917660	103.249	ug/l	96
59) 2-Hexanone	10.75	43	658438	103.289	ug/l	95
61) Tetrachloroethene	10.63	164	213190	21.319	ug/l	98
62) Toluene	10.15	91	778963	20.700	ug/l	99
64) Chlorobenzene	11.43	112	484273	20.485	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	187749	20.432	ug/l	99
66) Ethyl Benzene	11.51	91	843663	20.520	ug/l	100
67) m/p-Xylenes	11.62	106	631444	41.035	ug/l	98
68) o-Xylene	11.95	106	307476	20.440	ug/l	98
69) Styrene	11.96	104	487430	20.169	ug/l	99
70) Isopropylbenzene	12.25	105	825076	20.458	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	229829	20.803	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	281123	30.154	ug/l	70
73) Bromobenzene	12.53	156	215322	20.148	ug/l	93
74) n-propylbenzene	12.59	91	832519	19.873	ug/l	98
75) 2-Chlorotoluene	12.67	91	532329	20.477	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	686620	20.470	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	71443	19.970	ug/l	90
78) 4-Chlorotoluene	12.77	91	489623	20.130	ug/l	99
79) tert-butylbenzene	12.99	119	608919	20.372	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	651784	20.601	ug/l	100
81) sec-Butylbenzene	13.17	105	731311	19.848	ug/l	99
82) p-Isopropyltoluene	13.29	119	644257	19.518	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	334434	21.363	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	314900	21.550	ug/l	99
85) n-Butylbenzene	13.62	91	516118	21.028	ug/l	99
86) Hexachloroethane	13.88	117	125258	19.716	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	350050	23.669	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29104	19.655	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	141323	27.007	ug/l	94
90) Hexachlorobutadiene	15.01	225	161751	24.222	ug/l	99
91) Naphthalene	15.13	128	233254	20.624	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	134019	27.012	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:42:00 2019
Response via : Initial Calibration

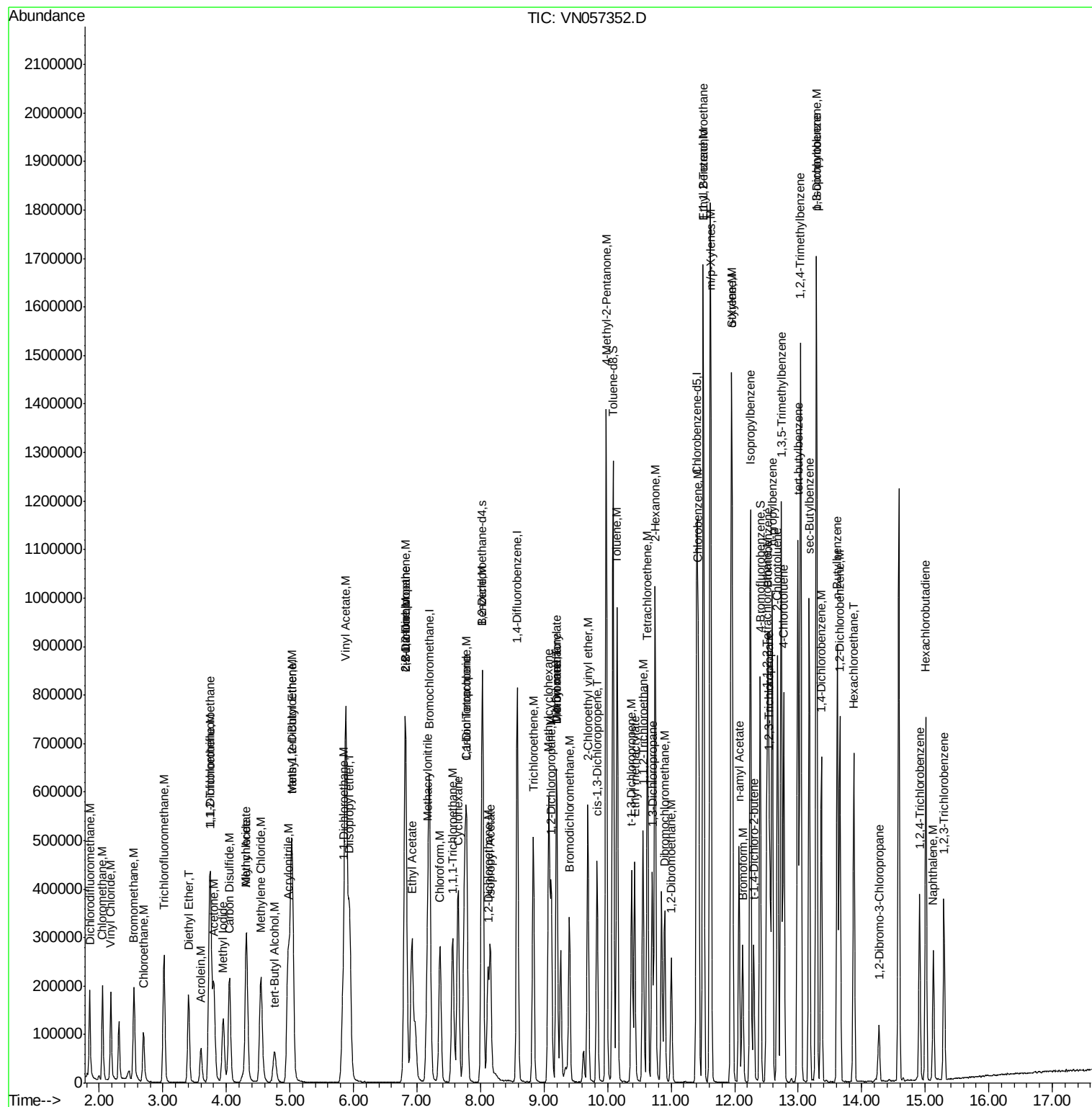
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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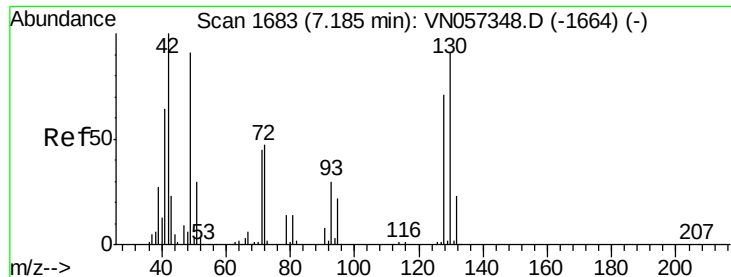
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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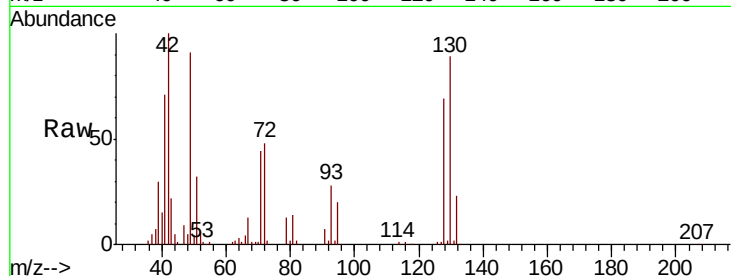




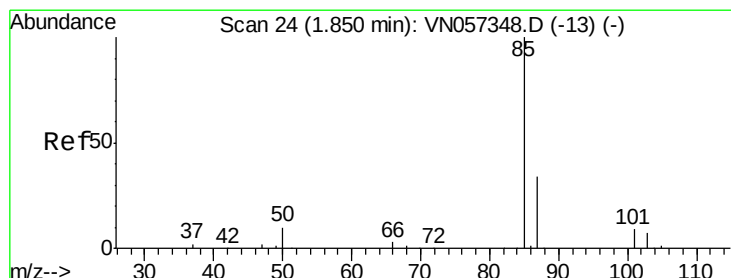
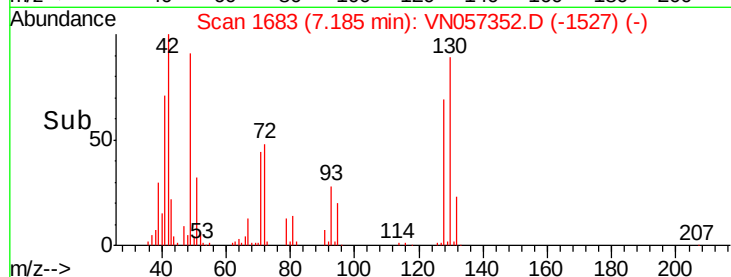
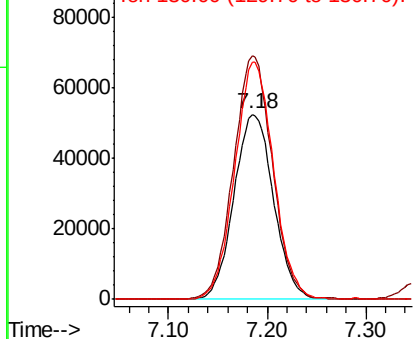
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN057352.D
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Tgt Ion: 128 Resp: 145727
Ion Ratio Lower Upper
128 100
49 129.3 0.0 390.5
130 125.7 0.0 316.5

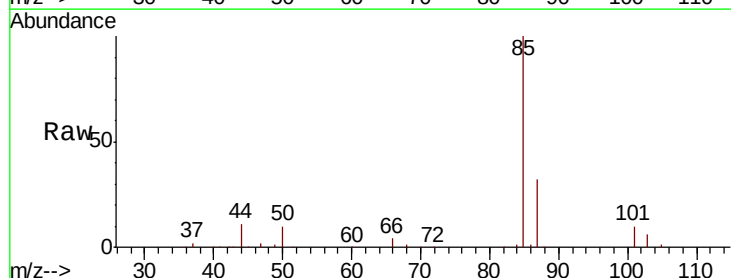


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

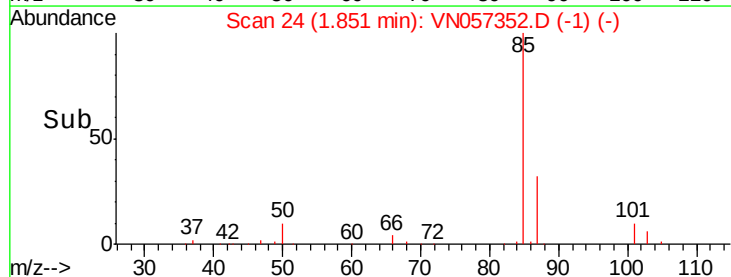
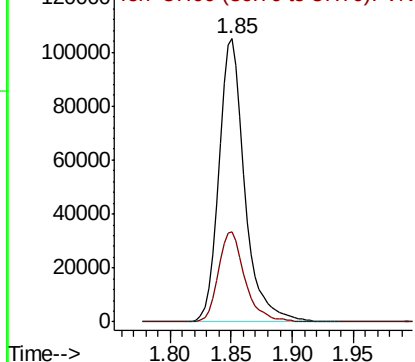


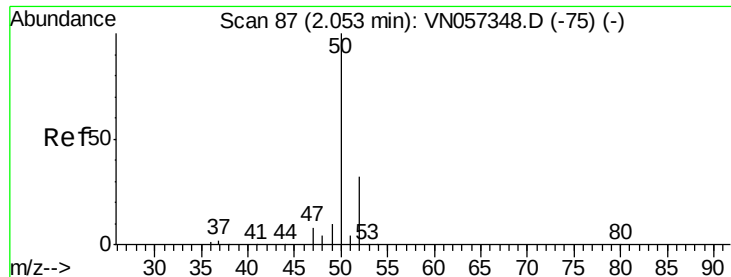
#2
Dichlorodifluoromethane
Concen: 20.771 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 85 Resp: 156357
Ion Ratio Lower Upper
85 100
87 31.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 20.753 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.01 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

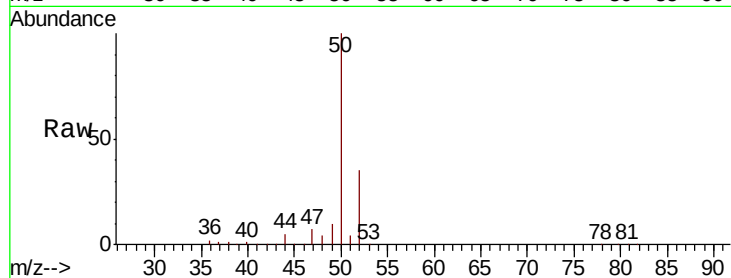
VSTDICV020

Tgt Ion: 50 Resp: 180157

Ion Ratio Lower Upper

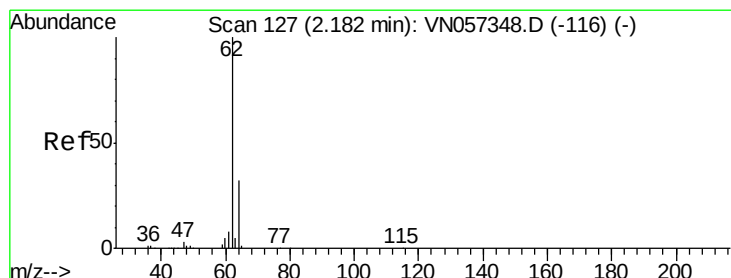
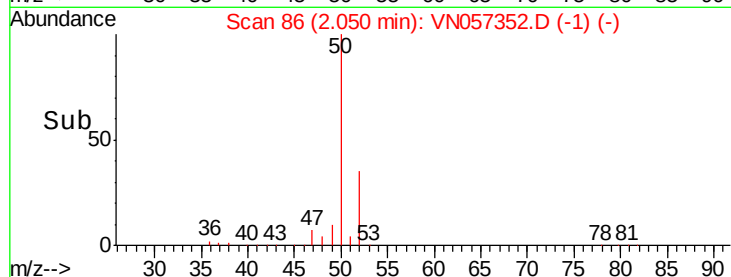
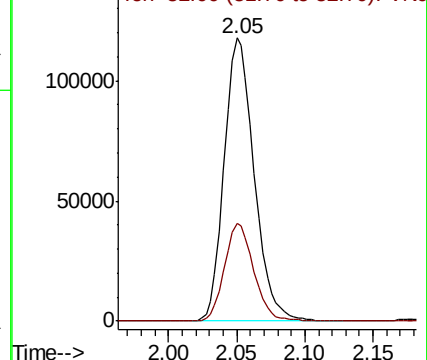
50 100

52 34.6 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 21.096 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057352.D

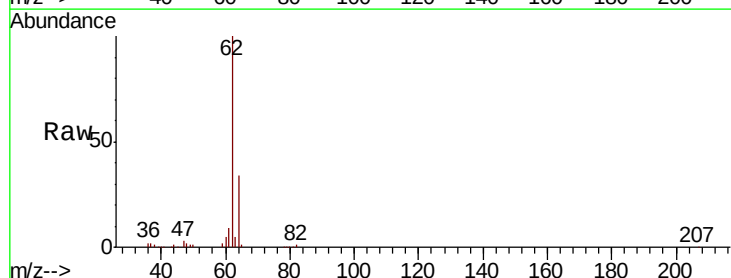
Acq: 16 Aug 2019 13:30

Tgt Ion: 62 Resp: 175208

Ion Ratio Lower Upper

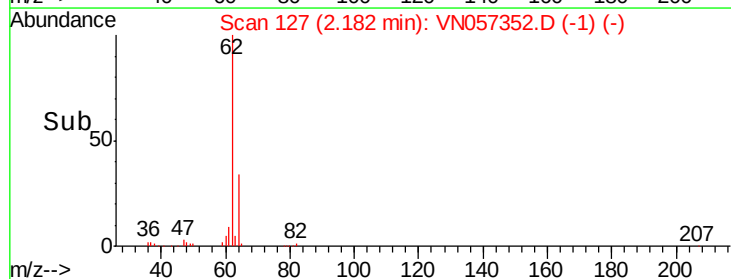
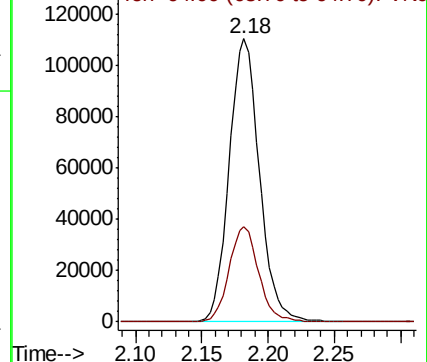
62 100

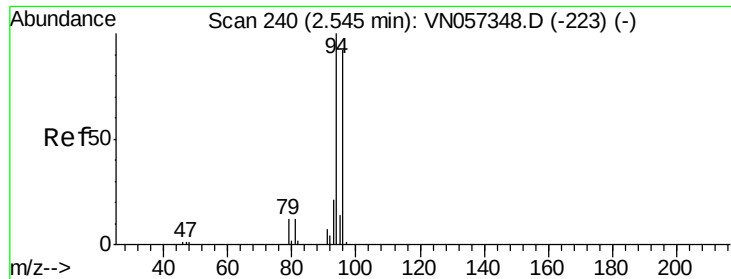
64 33.8 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.628 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

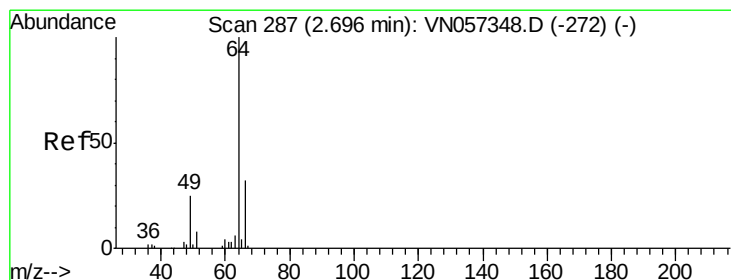
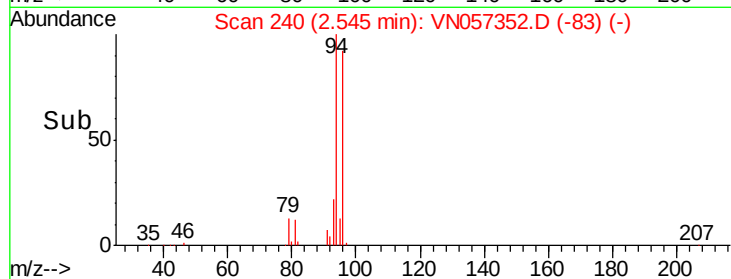
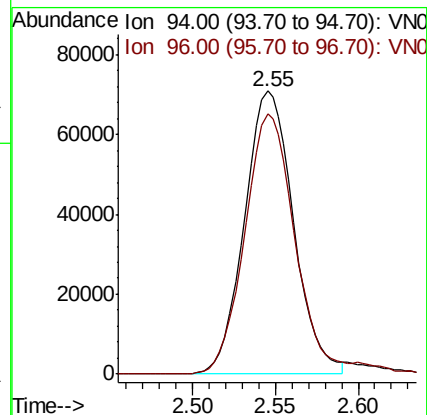
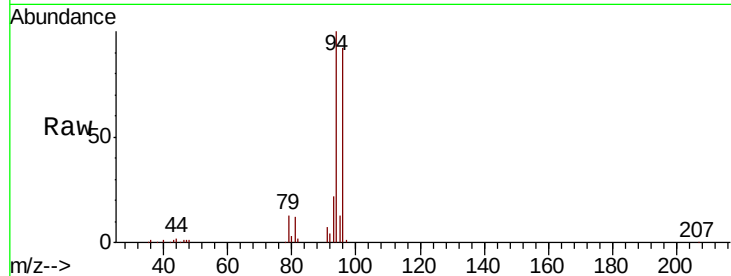
VSTDICV020

Tgt Ion: 94 Resp: 146232

Ion Ratio Lower Upper

94 100

96 91.8 72.8 109.2



#6

Chloroethane

Concen: 20.207 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057352.D

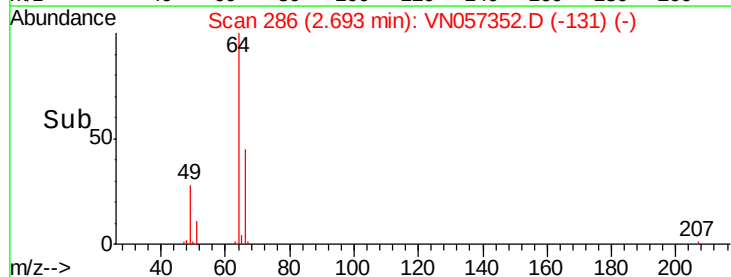
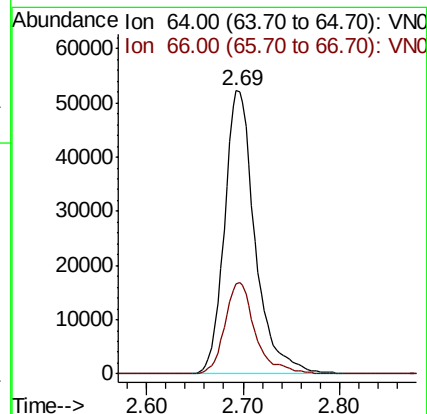
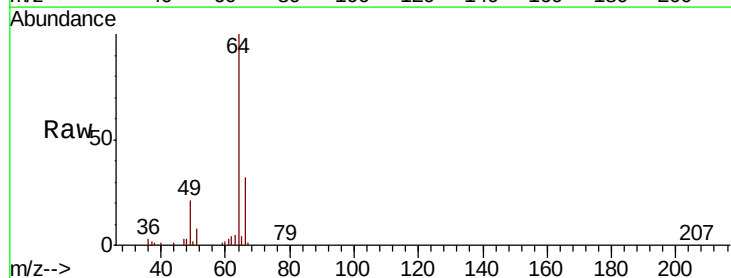
Acq: 16 Aug 2019 13:30

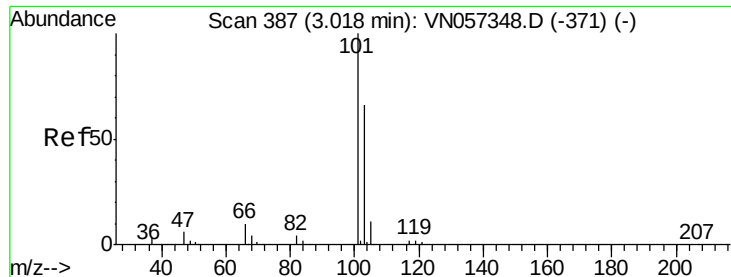
Tgt Ion: 64 Resp: 114960

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



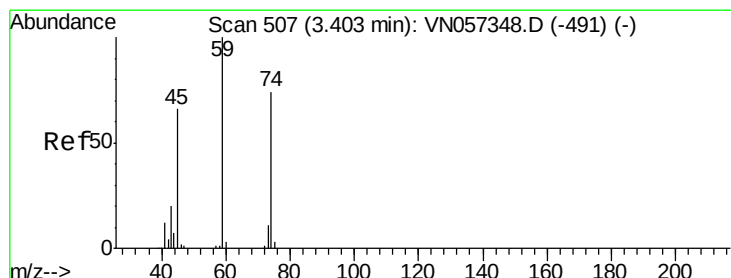
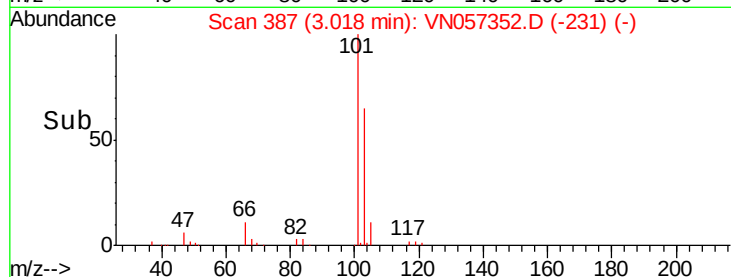
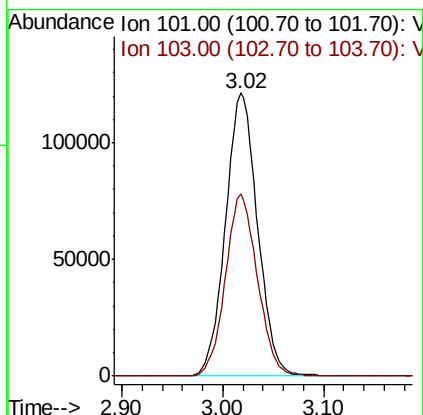
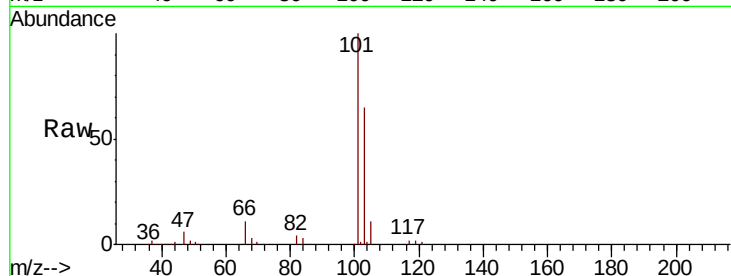


#7

Trichlorofluoromethane
 Concen: 20.155 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Instrument :
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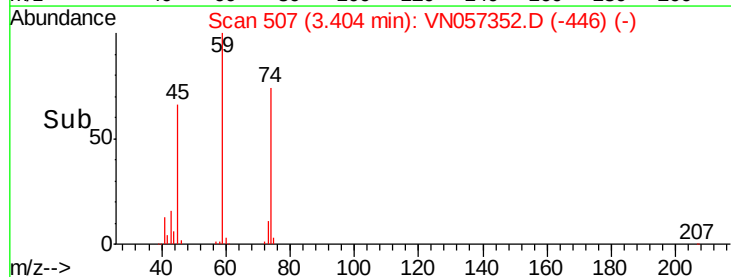
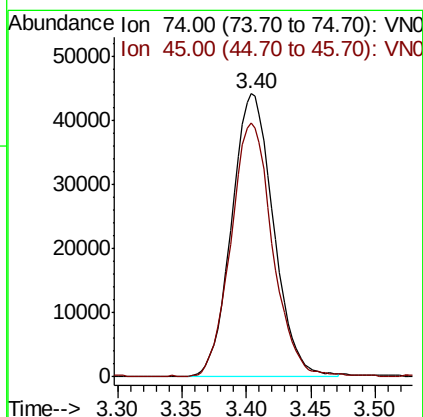
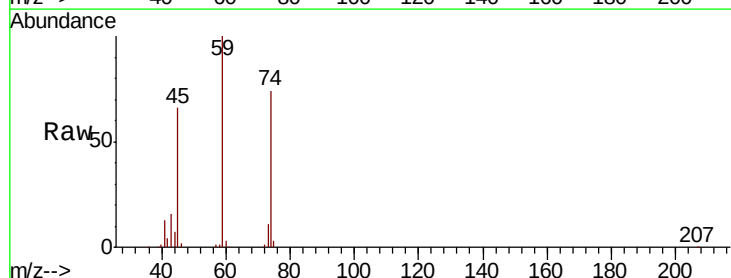
Tgt Ion: 101 Resp: 268266
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.8 79.2

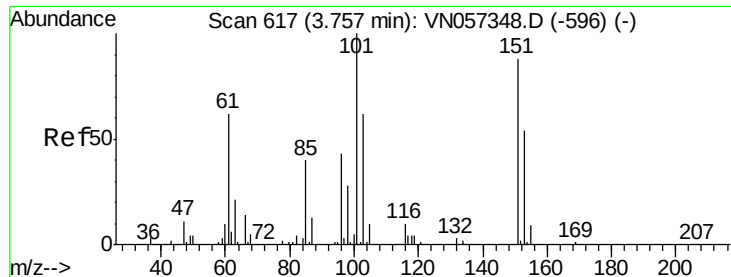


#8

Diethyl Ether
 Concen: 20.373 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 74 Resp: 99799
 Ion Ratio Lower Upper
 74 100
 45 89.1 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.394 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

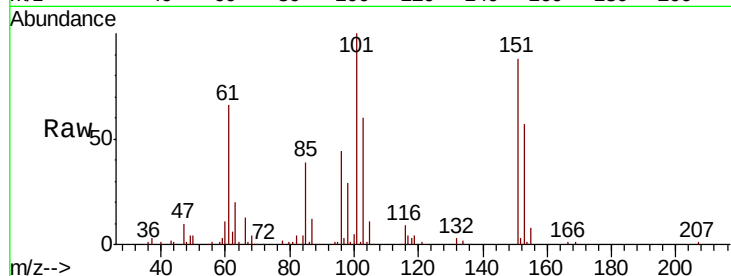
Tgt Ion:101 Resp: 161641

Ion Ratio Lower Upper

101 100

85 40.2 0.0 84.2

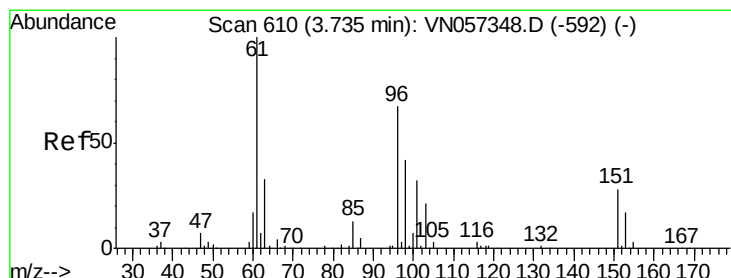
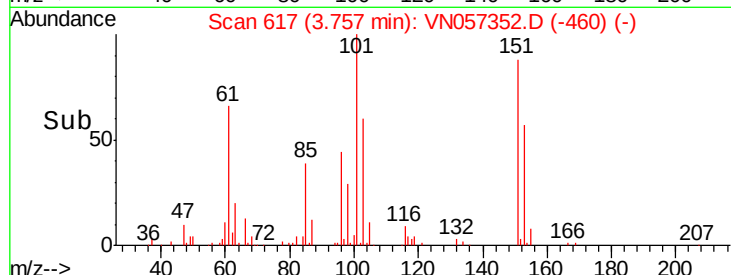
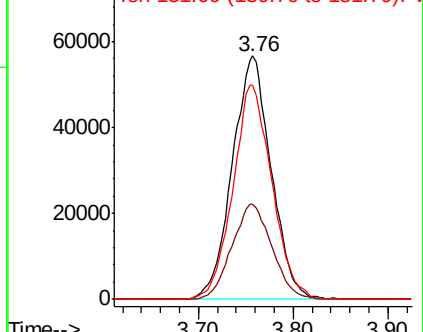
151 88.3 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.622 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

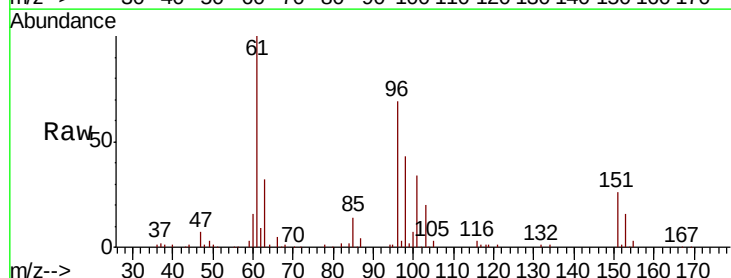
Tgt Ion: 96 Resp: 162100

Ion Ratio Lower Upper

96 100

61 145.8 129.0 193.4

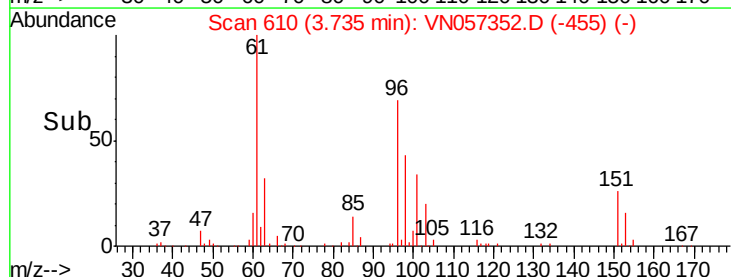
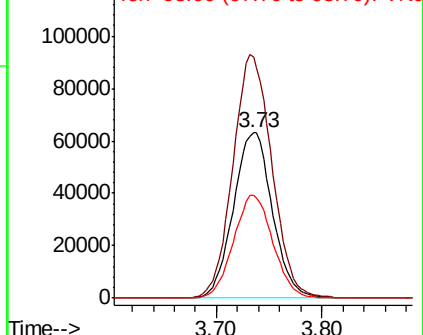
98 62.6 52.5 78.7

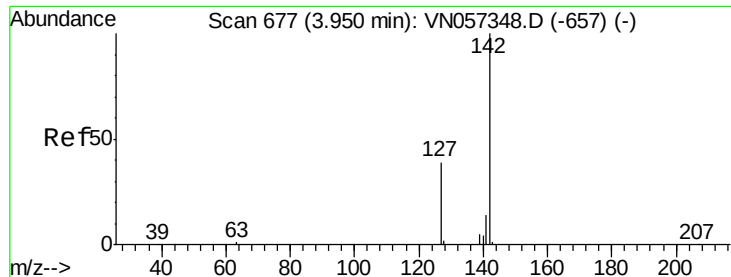


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

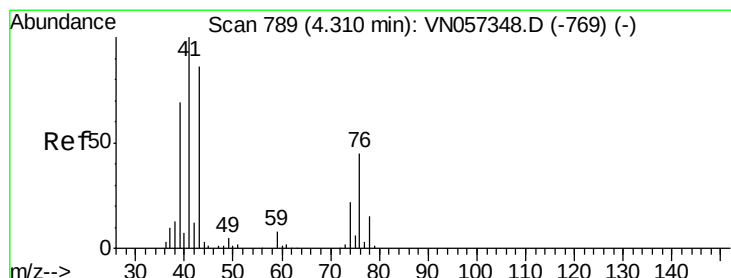
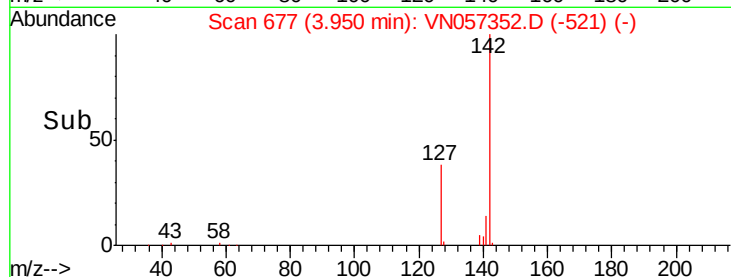
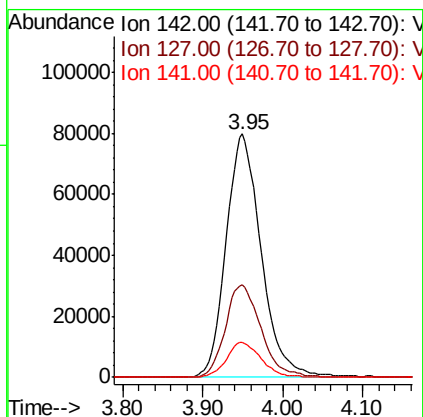
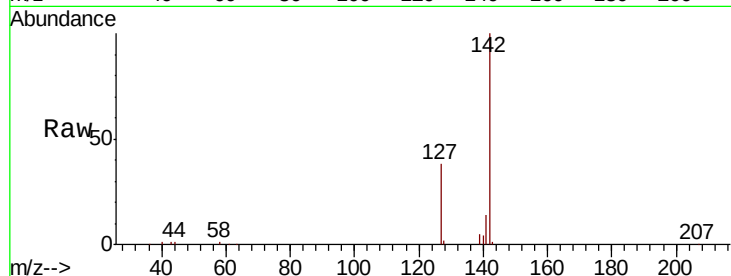




#11
Methyl Iodide
Concen: 17.946 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

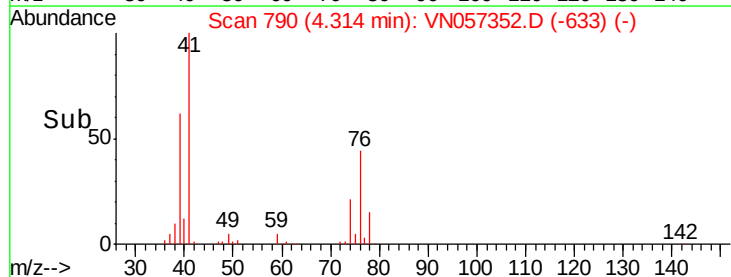
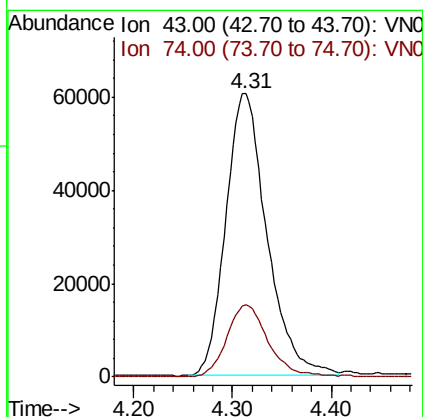
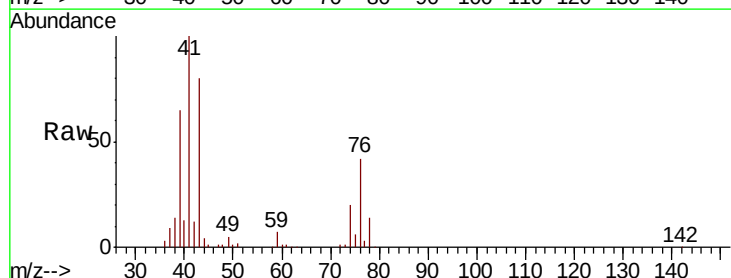
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

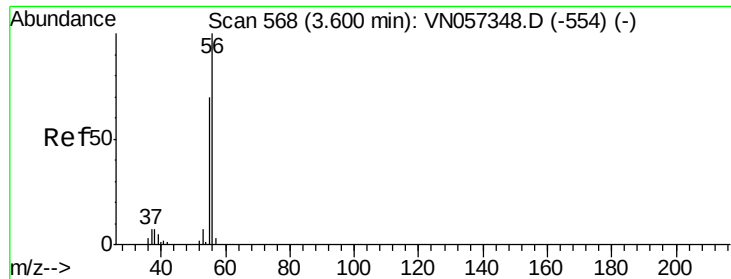
Tgt Ion:142 Resp: 237874
Ion Ratio Lower Upper
142 100
127 37.9 19.5 58.5
141 14.1 6.8 20.3



#12
Methyl Acetate
Concen: 19.885 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 43 Resp: 175734
Ion Ratio Lower Upper
43 100
74 25.8 20.2 30.4





#13

Acrolein

Concen: 96.626 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

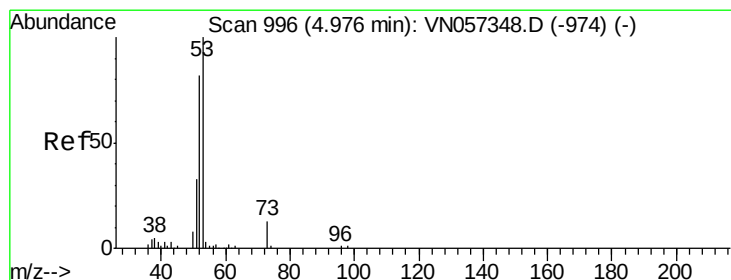
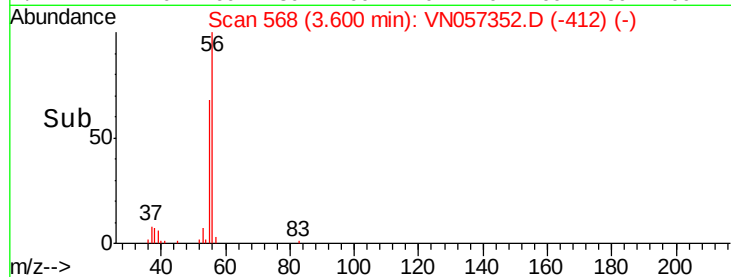
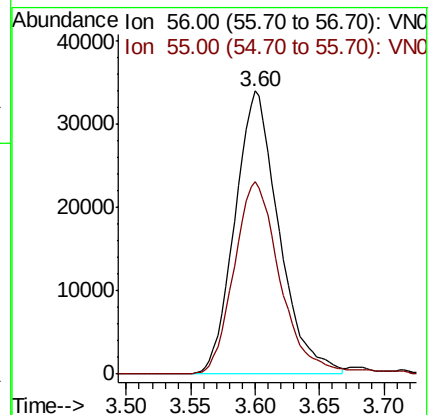
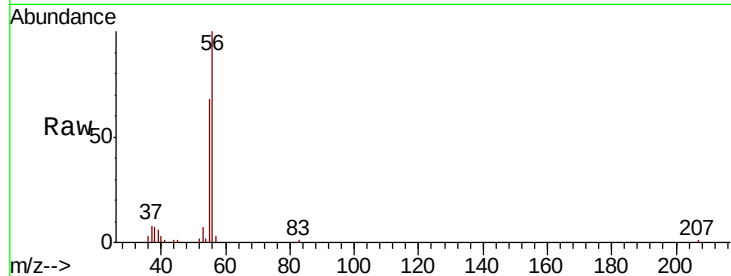
VSTDICV020

Tgt Ion: 56 Resp: 80750

Ion Ratio Lower Upper

56 100

55 70.7 56.9 85.3



#14

Acrylonitrile

Concen: 101.036 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

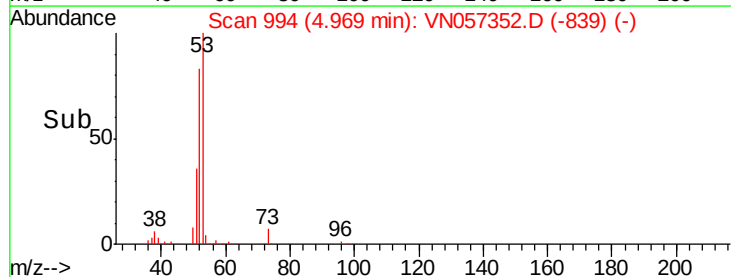
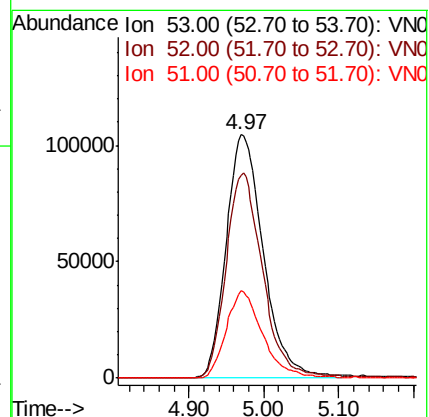
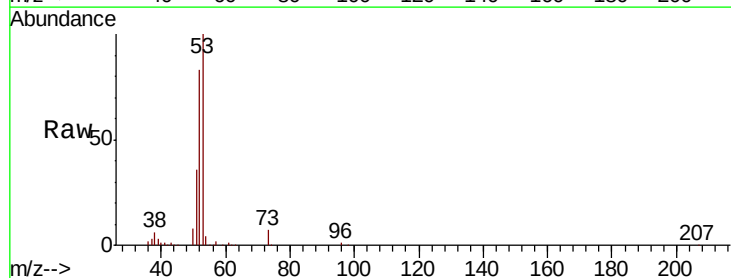
Tgt Ion: 53 Resp: 361707

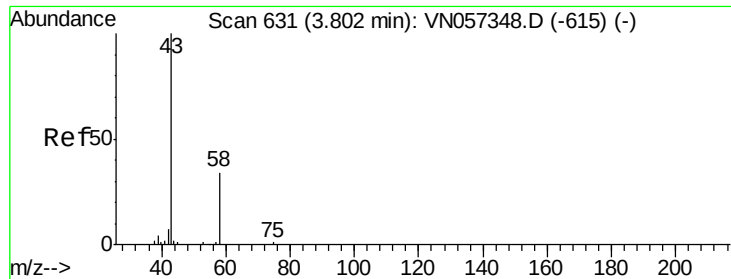
Ion Ratio Lower Upper

53 100

52 81.4 41.3 123.7

51 34.8 17.7 53.1





#15

Acetone

Concen: 100.226 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

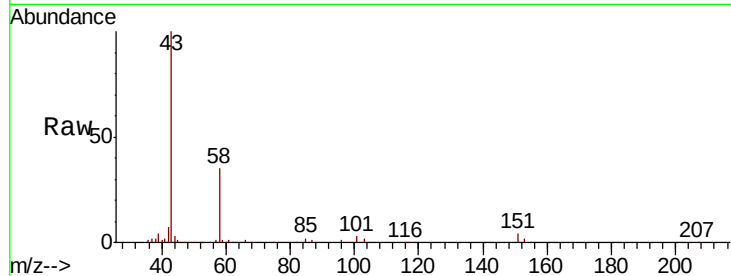
VSTDICV020

Tgt Ion: 58 Resp: 105731

Ion Ratio Lower Upper

58 100

43 285.0 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN057348.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-615) (-)

3.80

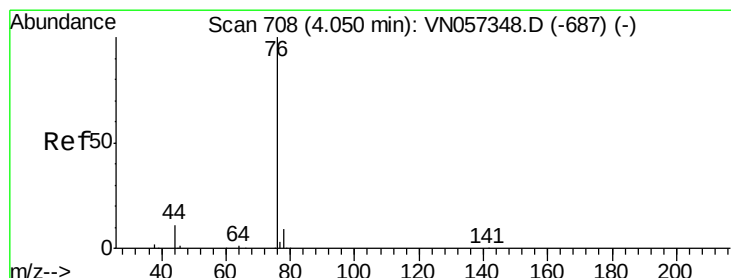
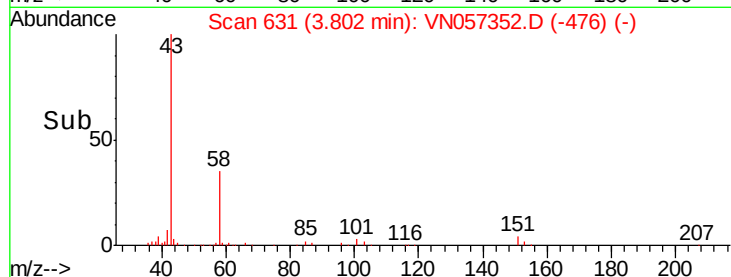
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.866 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057352.D

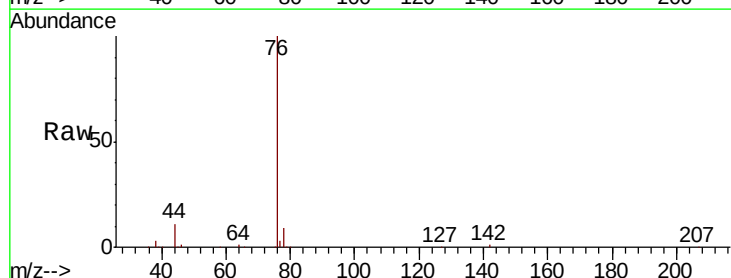
Acq: 16 Aug 2019 13:30

Tgt Ion: 76 Resp: 448354

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-687) (-)

4.05

150000

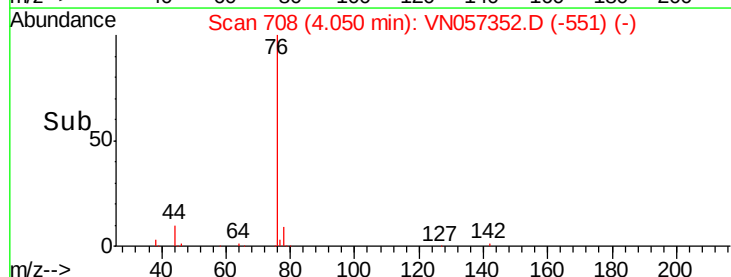
100000

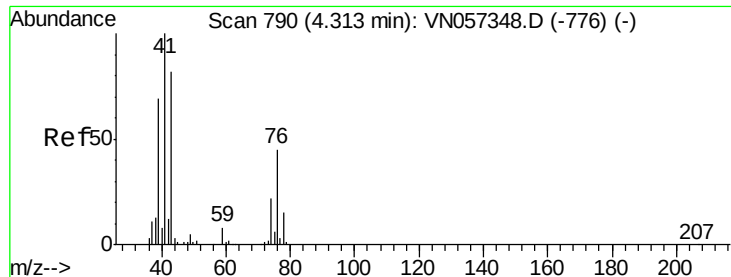
50000

0

4.00 4.10

Time-->

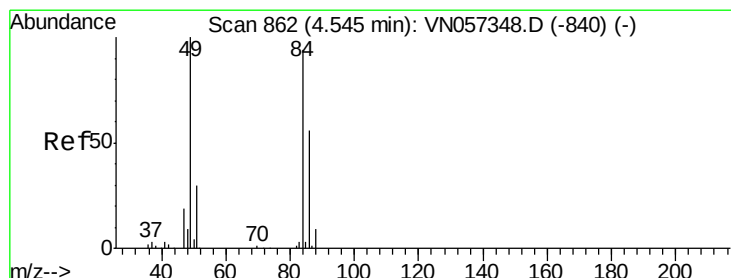
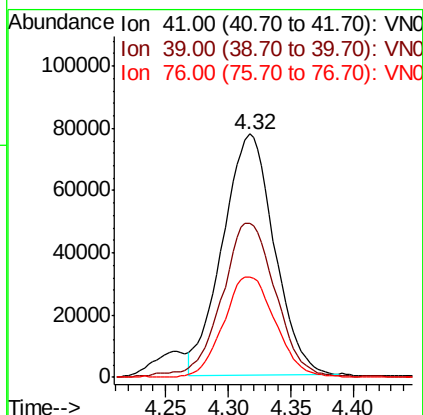
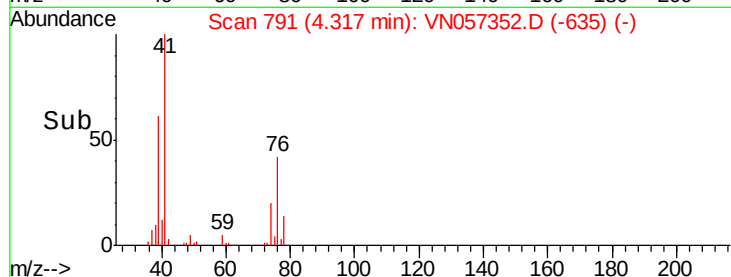
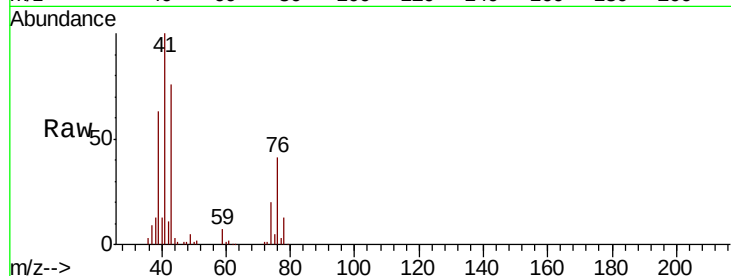




#17
 Allyl chloride
 Concen: 19.329 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

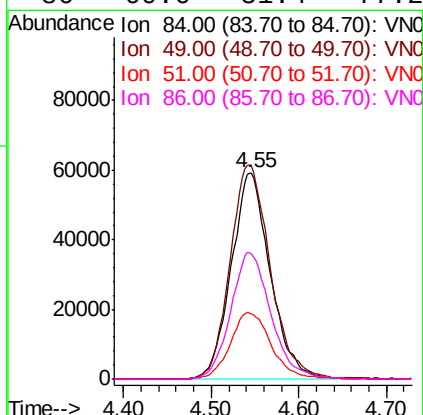
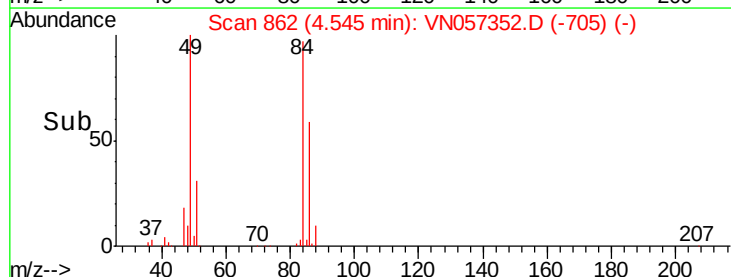
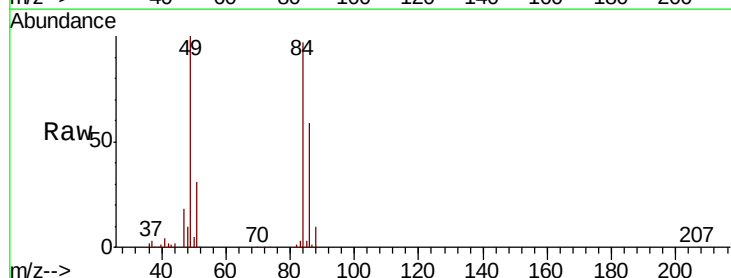
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

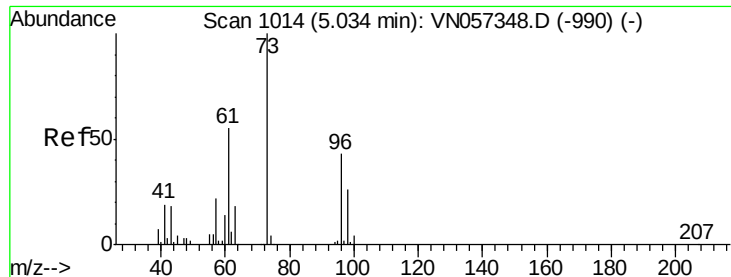
Tgt Ion: 41 Resp: 221927
 Ion Ratio Lower Upper
 41 100
 39 63.7 32.8 98.4
 76 41.1 18.5 55.5



#18
 Methylene Chloride
 Concen: 20.331 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 84 Resp: 182917
 Ion Ratio Lower Upper
 84 100
 49 103.3 93.9 140.9
 51 31.6 31.7 47.5#
 86 60.6 51.4 77.2





#19

trans-1,2-Dichloroethene

Concen: 20.208 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

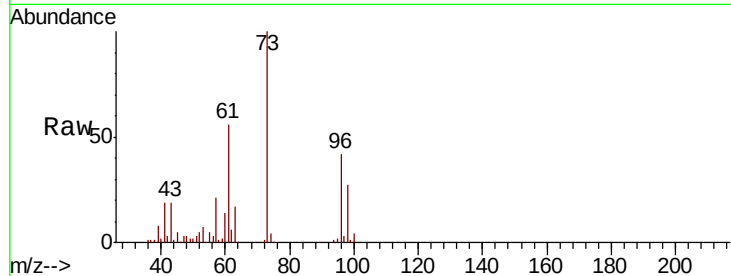
Tgt Ion: 96 Resp: 172014

Ion Ratio Lower Upper

96 100

61 131.9 109.6 164.4

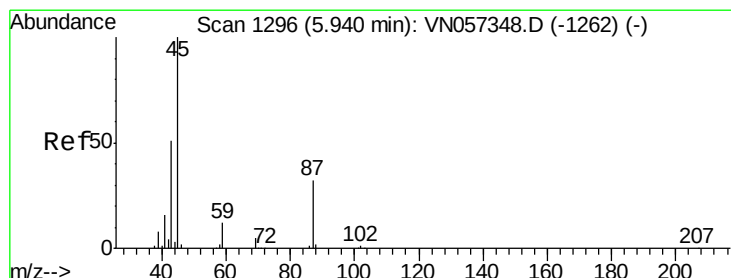
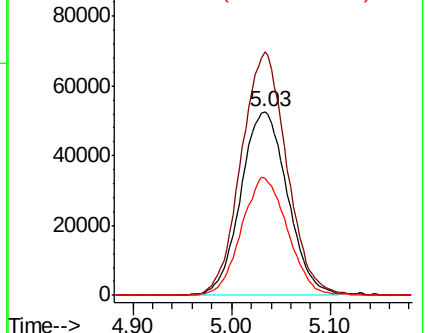
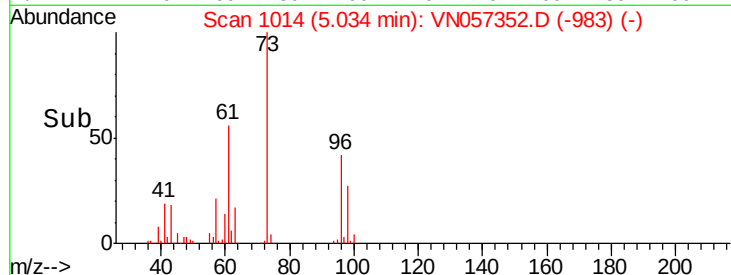
98 63.4 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN057352.D (-983) (-)

Ion 61.00 (60.70 to 61.70): VN057352.D (-983) (-)

Ion 98.00 (97.70 to 98.70): VN057352.D (-983) (-)



#20

Diisopropyl ether

Concen: 20.300 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Tgt Ion: 45 Resp: 485331

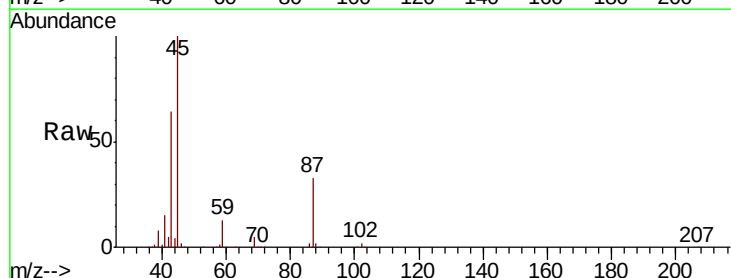
Ion Ratio Lower Upper

45 100

43 62.3 50.3 75.5

87 32.7 21.4 32.0#

59 12.3 9.7 14.5

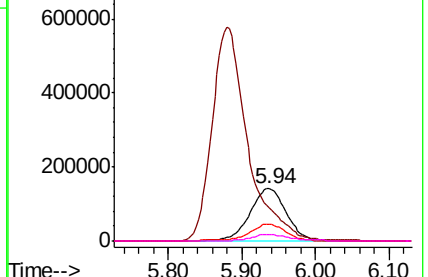
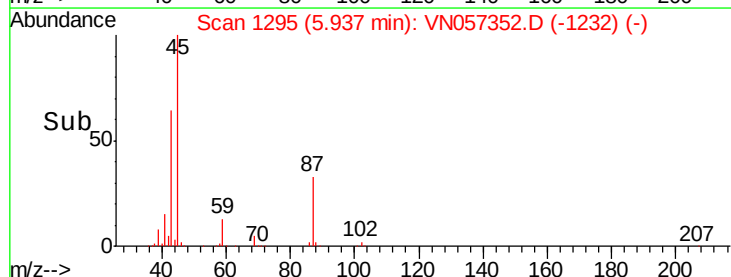


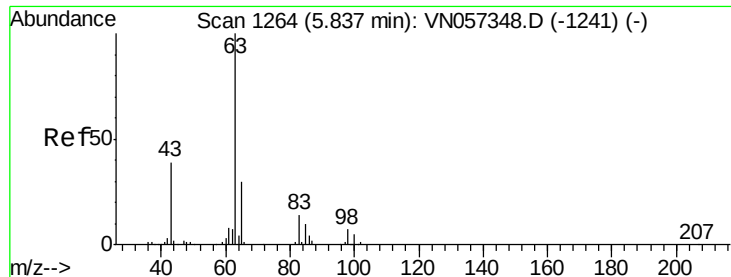
Abundance Ion 45.00 (44.70 to 45.70): VN057352.D (-1232) (-)

Ion 43.00 (42.70 to 43.70): VN057352.D (-1232) (-)

Ion 87.00 (86.70 to 87.70): VN057352.D (-1232) (-)

Ion 59.00 (58.70 to 59.70): VN057352.D (-1232) (-)





#21

1,1-Dichloroethane

Concen: 20.102 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

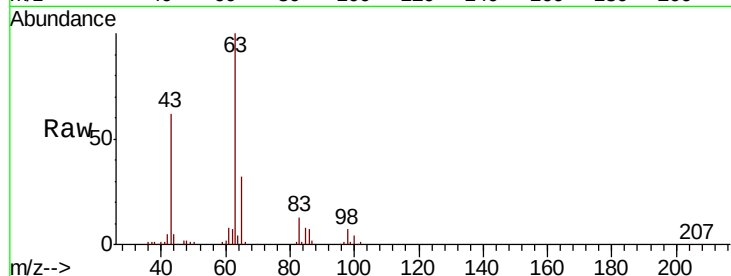
Tgt Ion: 63 Resp: 296959

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

100 4.0 2.1 6.3

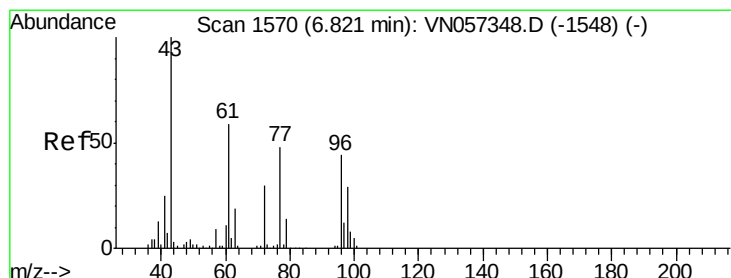
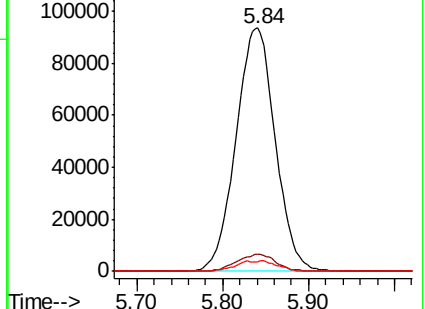
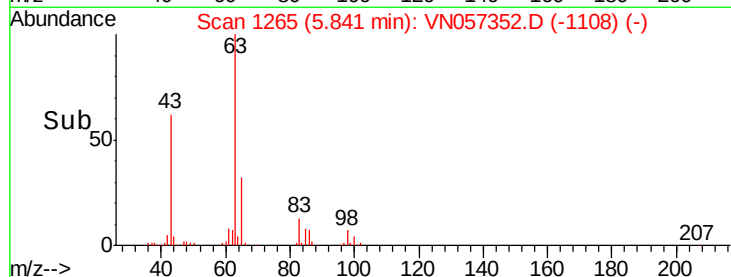


Abundance Ion 63.00 (62.70 to 63.70): VN057348.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VN057348.D (-1241) (-)

Ion 100.00 (99.70 to 100.70): VN057348.D (-1241) (-)

5.84



#22

cis-1,2-Dichloroethene

Concen: 20.145 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

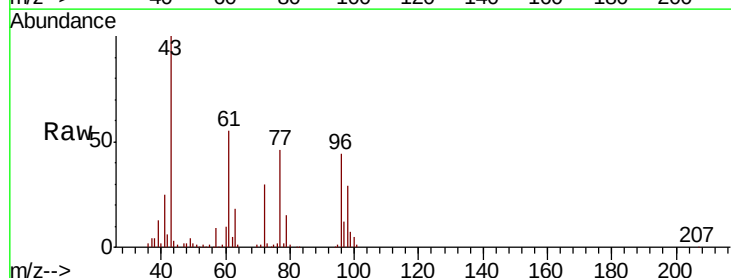
Tgt Ion: 96 Resp: 198703

Ion Ratio Lower Upper

96 100

61 134.8 112.1 168.1

98 66.3 52.2 78.2

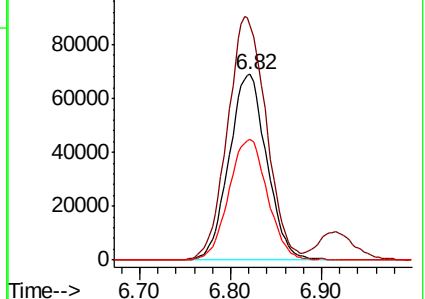
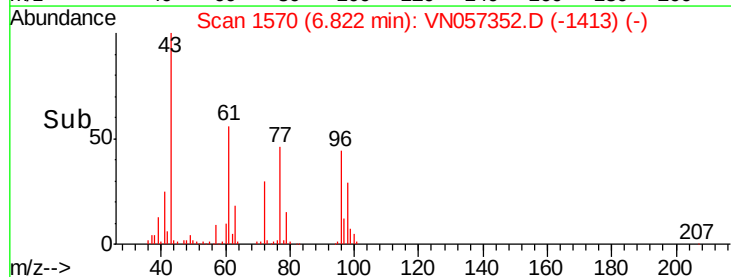


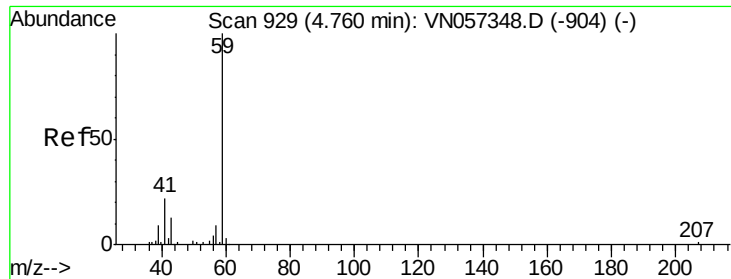
Abundance Ion 96.00 (95.70 to 96.70): VN057348.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN057348.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN057348.D (-1548) (-)

6.82





#23

tert-Butyl Alcohol

Concen: 99.167 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

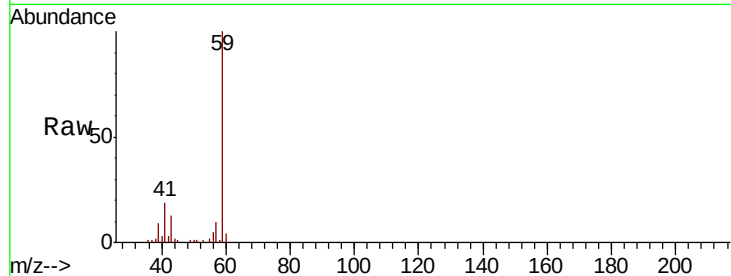
VSTDICV020

Tgt Ion: 59 Resp: 126517

Ion Ratio Lower Upper

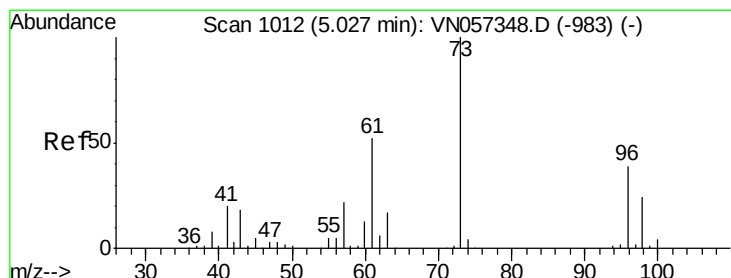
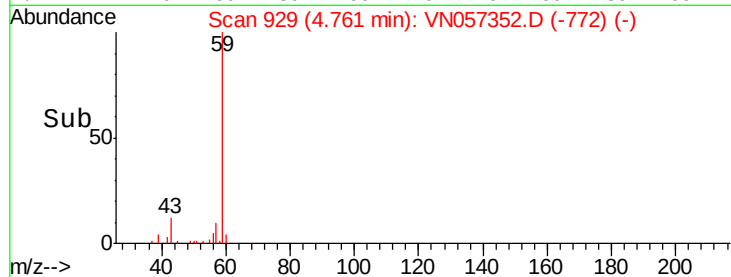
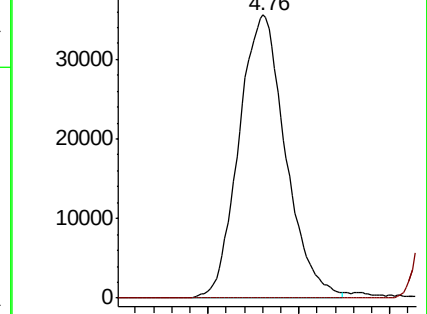
59 100

52 0.1 0.1 0.1



Abundance Ion 59.00 (58.70 to 59.70): VN057348.D (-904) (-)

Ion 52.00 (51.70 to 52.70): VN057348.D (-904) (-)



#24

Methyl tert-Butyl Ether

Concen: 20.097 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN057352.D

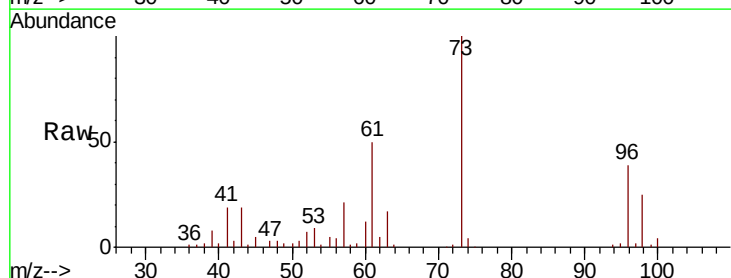
Acq: 16 Aug 2019 13:30

Tgt Ion: 73 Resp: 484781

Ion Ratio Lower Upper

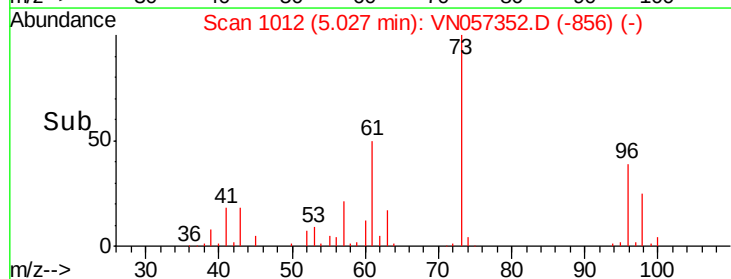
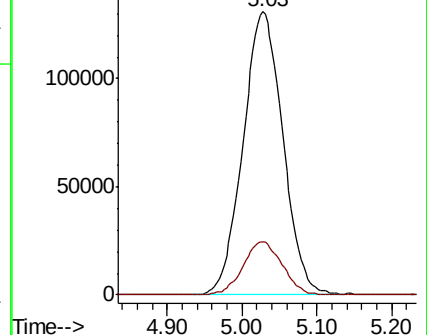
73 100

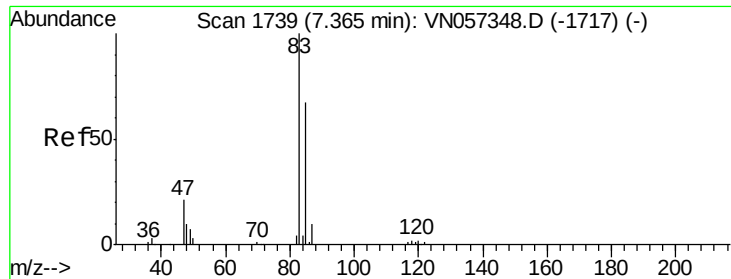
43 18.5 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN057348.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-983) (-)

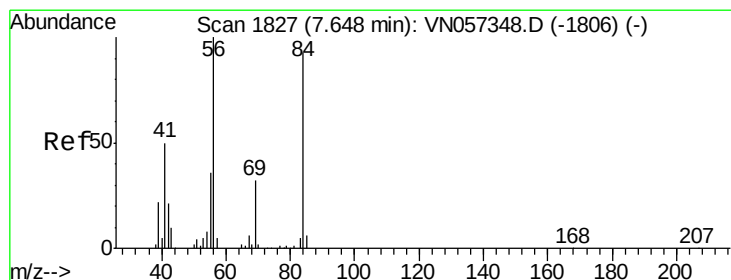
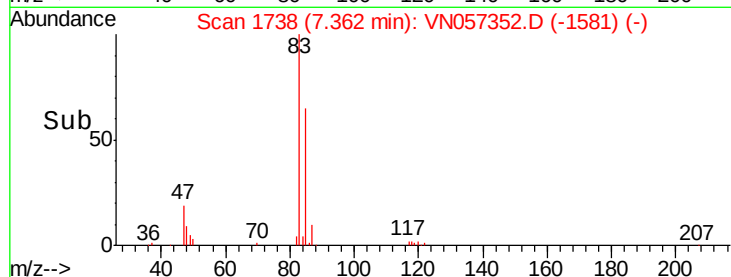
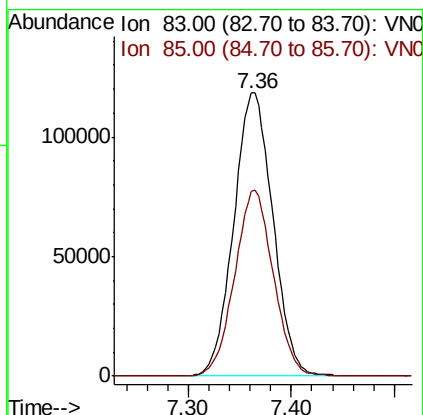
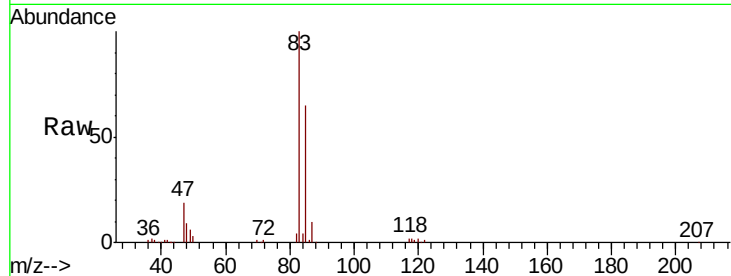




#25
Chloroform
Concen: 20.263 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

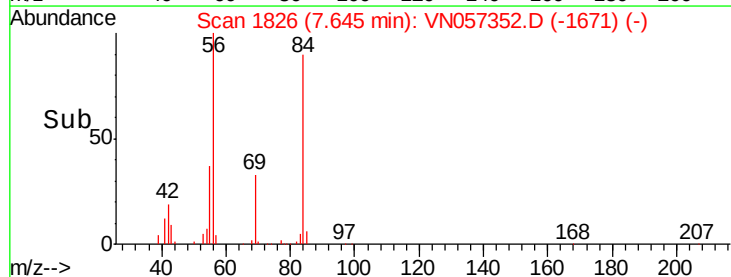
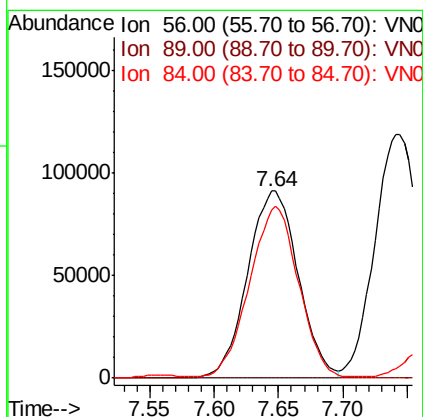
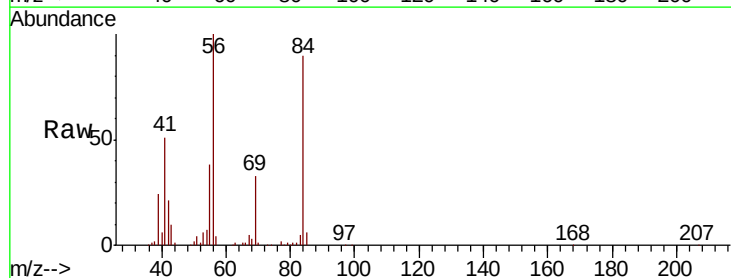
Instrument :
MSVOA_N
ClientSampled :
VSTDICV020

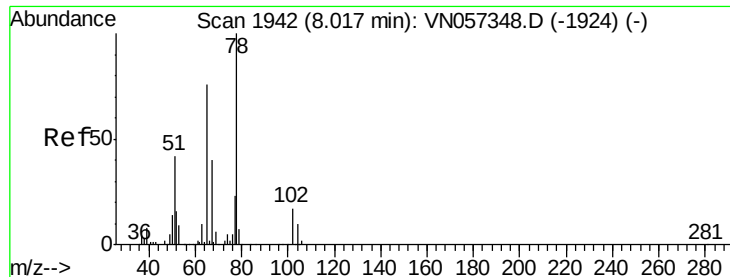
Tgt Ion: 83 Resp: 312864
Ion Ratio Lower Upper
83 100
85 65.1 52.6 79.0



#26
Cyclohexane
Concen: 20.309 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 56 Resp: 249384
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 89.5 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.072 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

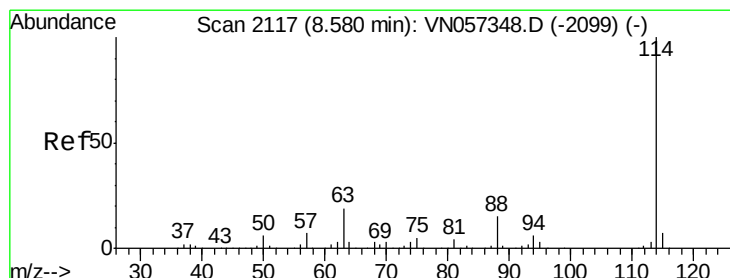
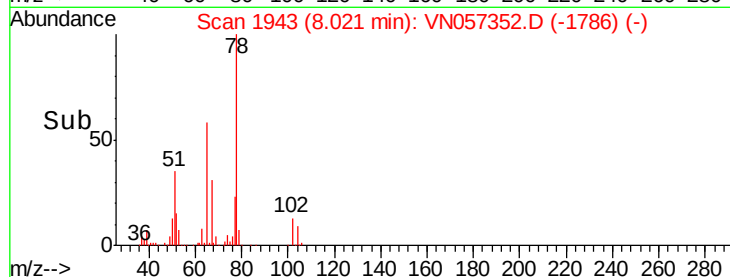
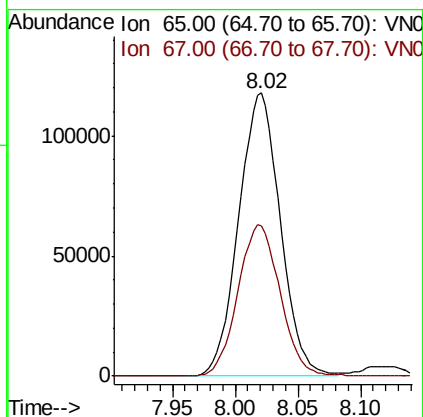
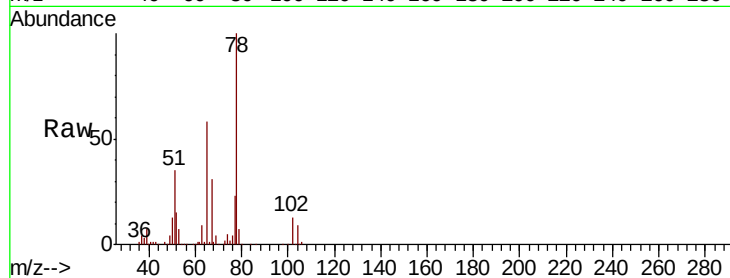
VSTDICV020

Tgt Ion: 65 Resp: 272381

Ion Ratio Lower Upper

65 100

67 54.1 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

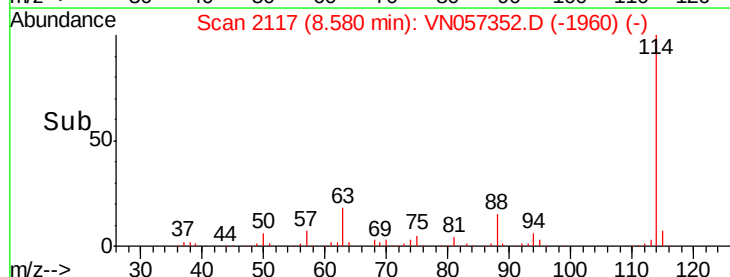
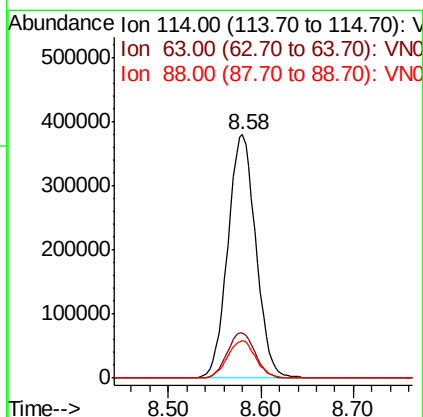
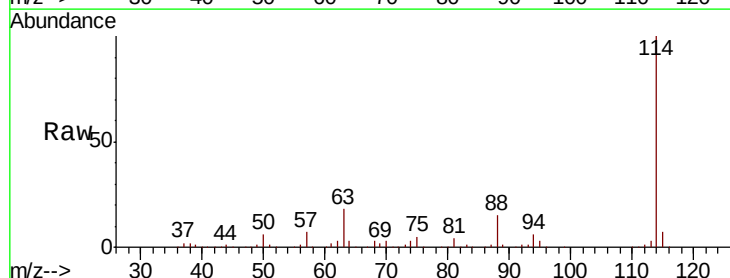
Tgt Ion: 114 Resp: 797401

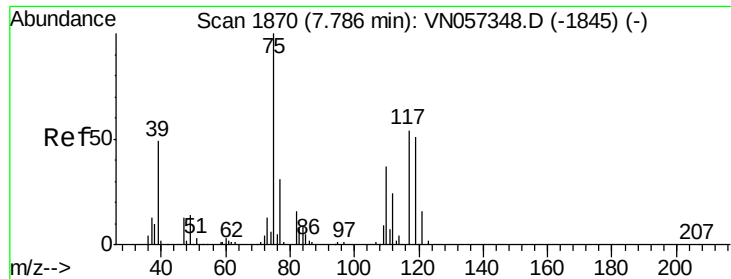
Ion Ratio Lower Upper

114 100

63 18.5 16.2 24.2

88 15.4 12.3 18.5

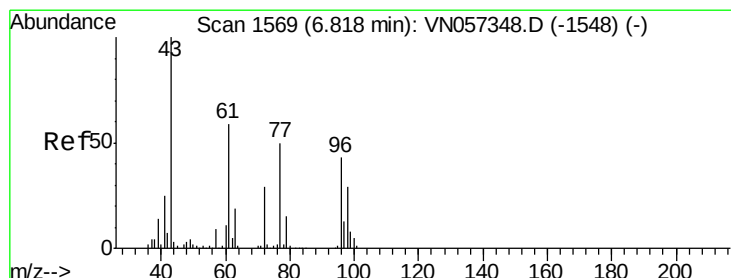
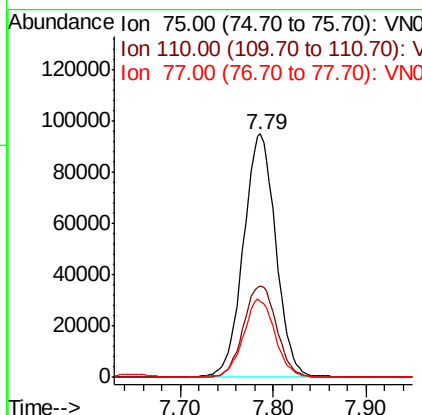
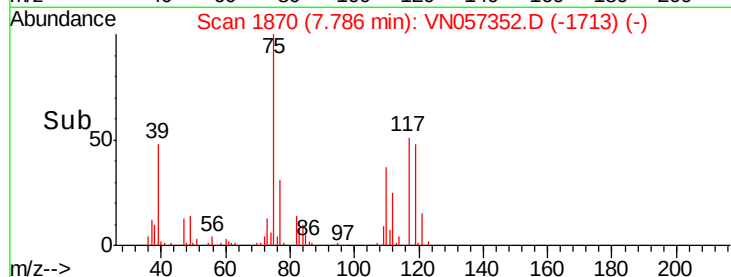
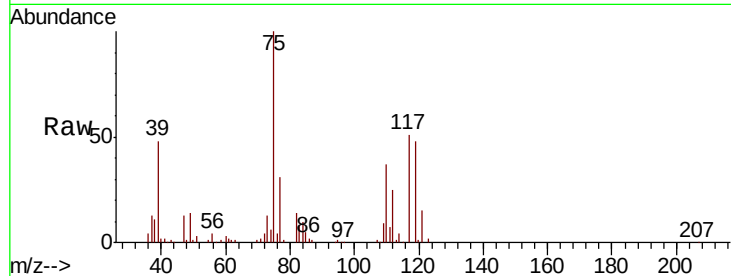




#29
 1,1-Dichloropropene
 Concen: 19.874 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

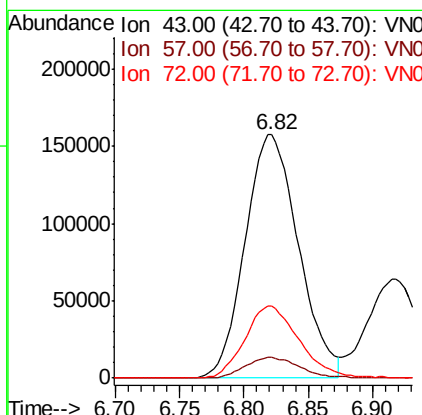
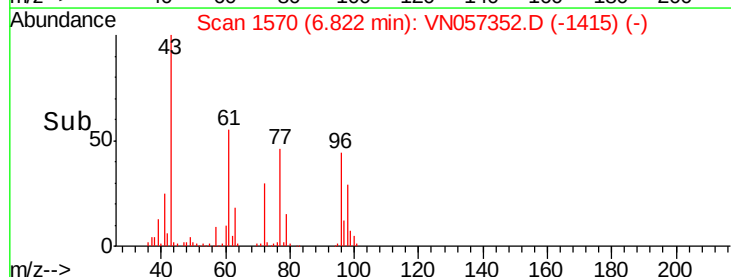
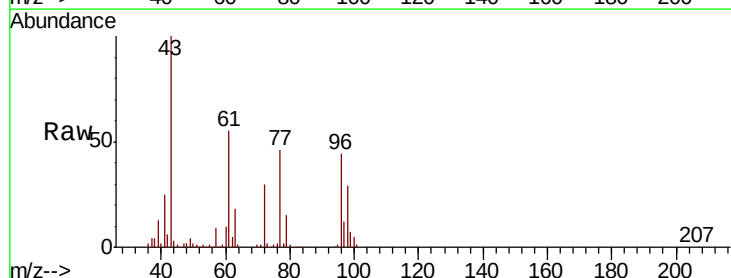
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

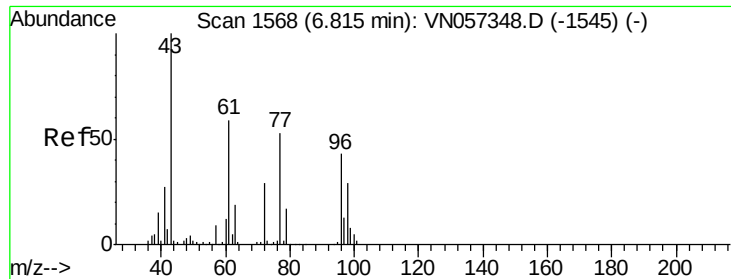
Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	0.0	72.4
77	31.4	0.0	62.2



#30
 2-Butanone
 Concen: 98.891 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.6	10.0
72	29.9	21.3	31.9

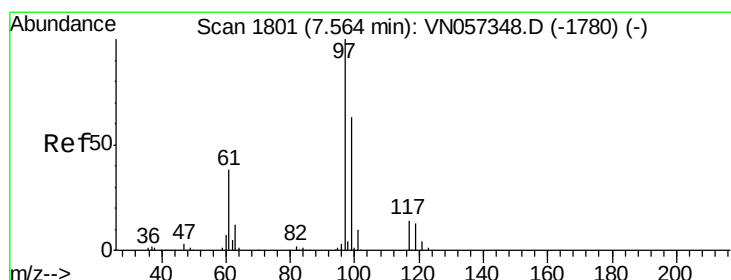
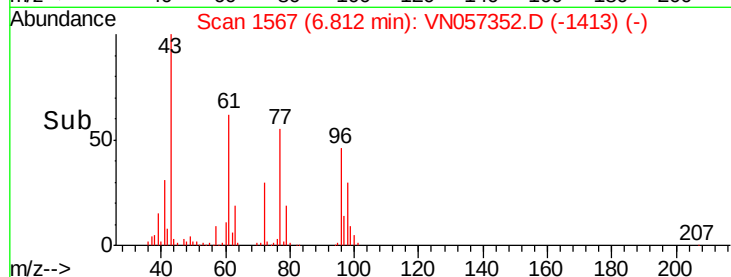
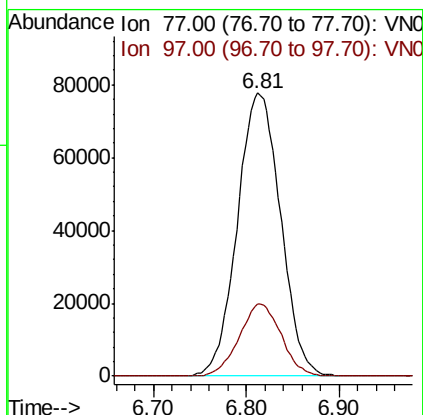
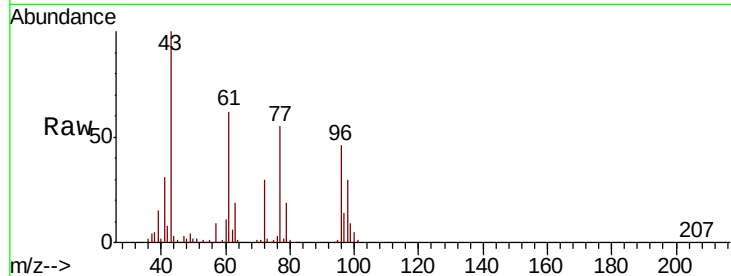




#31
 2,2-Dichloropropane
 Concen: 19.774 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

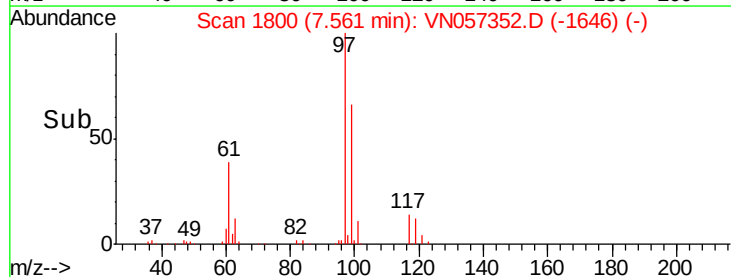
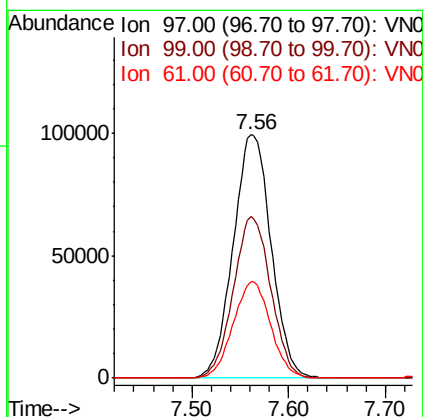
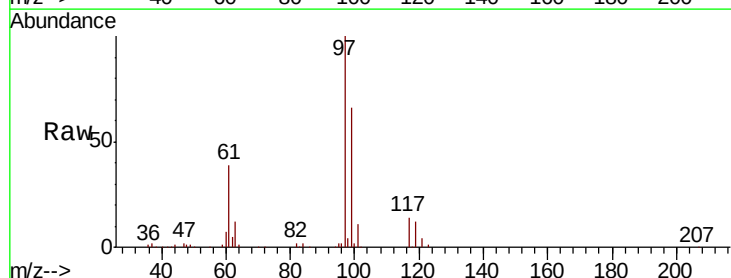
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

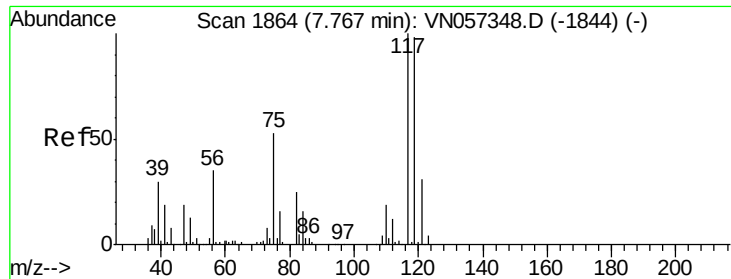
Tgt Ion: 77 Resp: 251262
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 19.754 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 97 Resp: 270873
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.0 78.0
 61 39.1 34.4 51.6

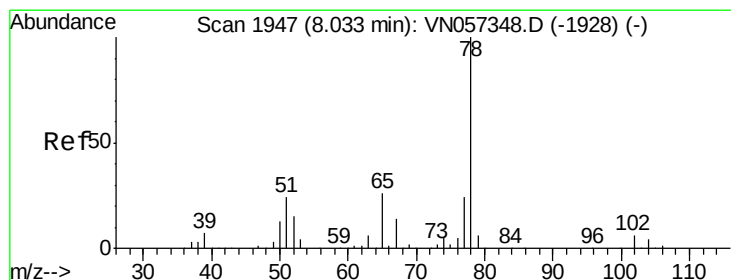
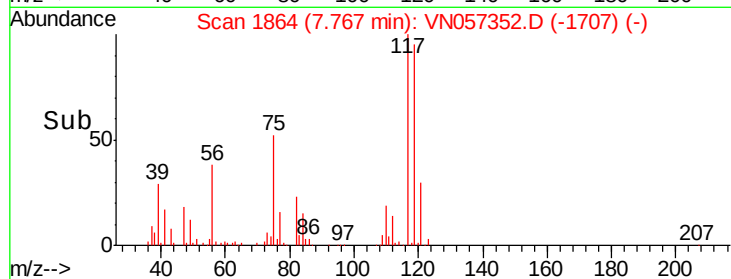
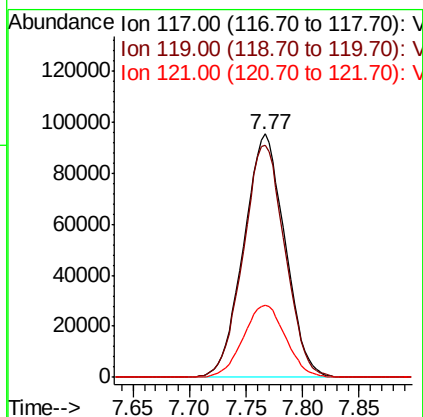
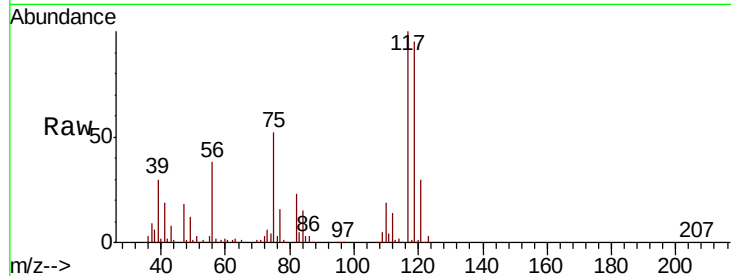




#33
Carbon Tetrachloride
Concen: 19.848 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

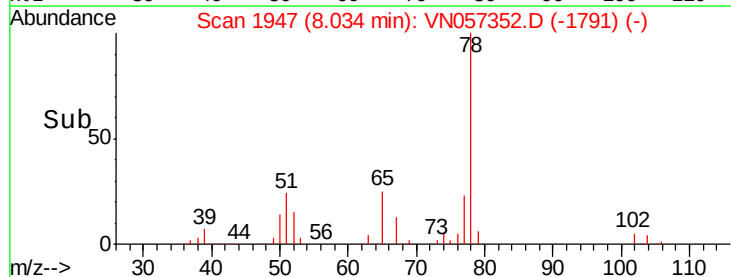
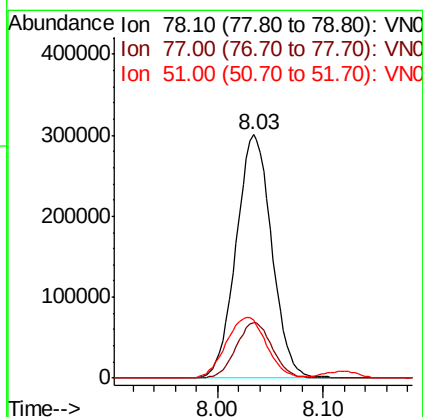
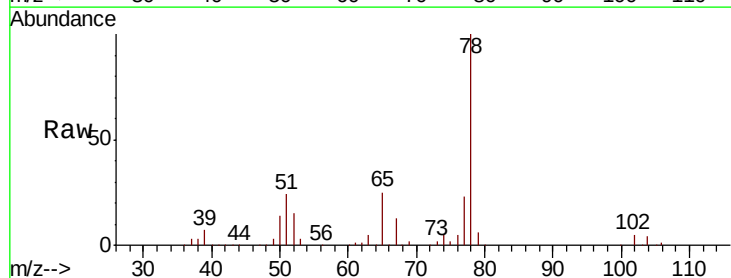
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

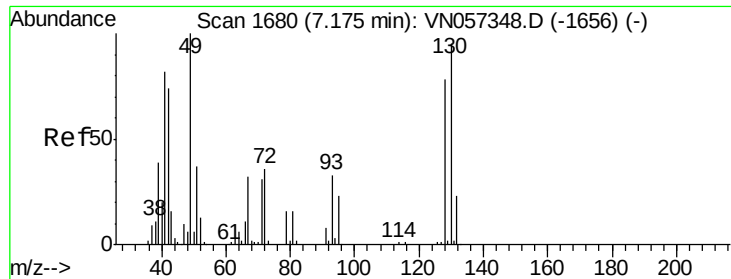
Tgt Ion: 117 Resp: 242343
Ion Ratio Lower Upper
117 100
119 95.2 78.7 118.1
121 29.6 24.0 36.0



#34
Benzene
Concen: 20.066 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 78 Resp: 706109
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4
51 23.6 19.7 29.5

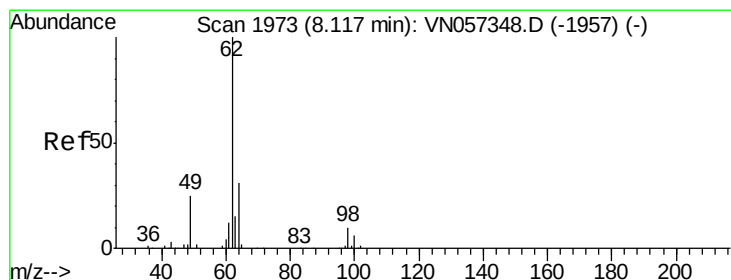
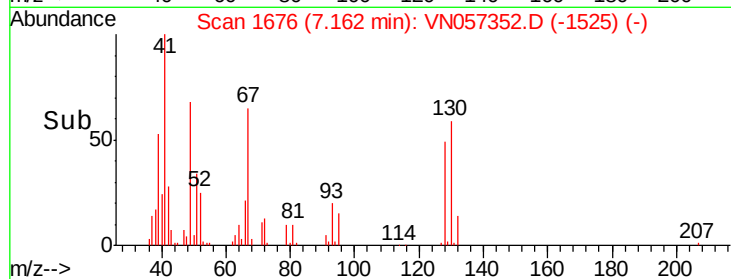
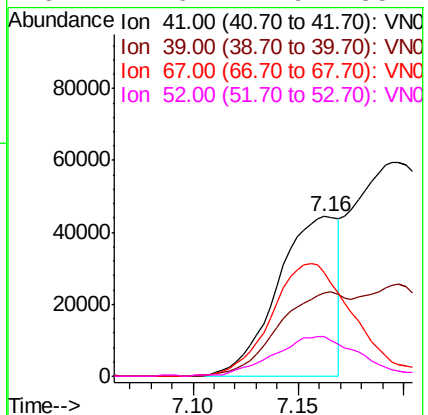
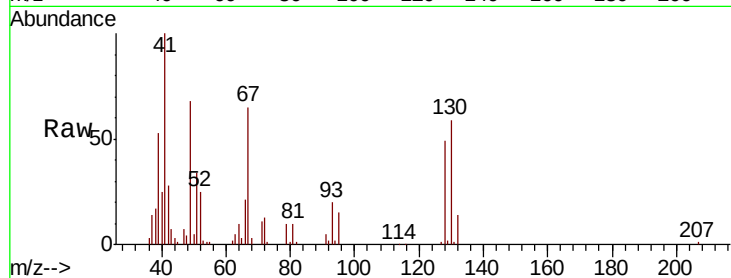




#35
Methacrylonitrile
Concen: 14.403 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.02 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

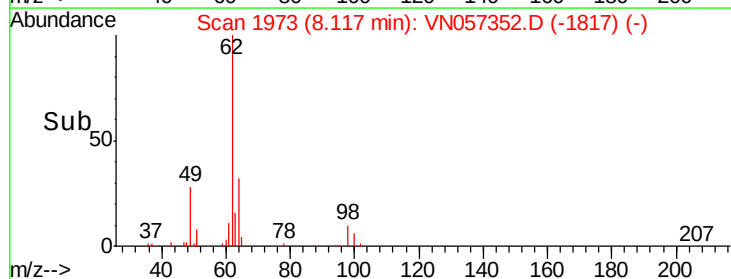
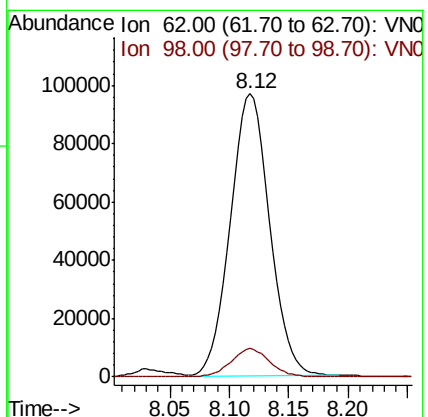
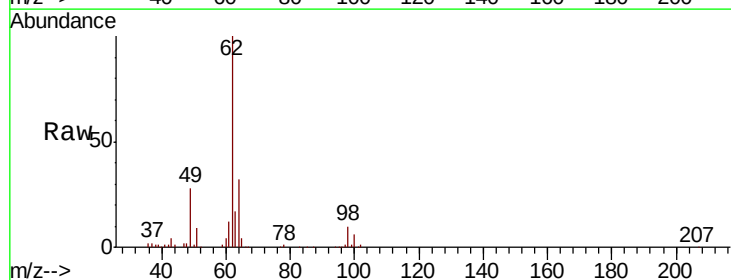
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

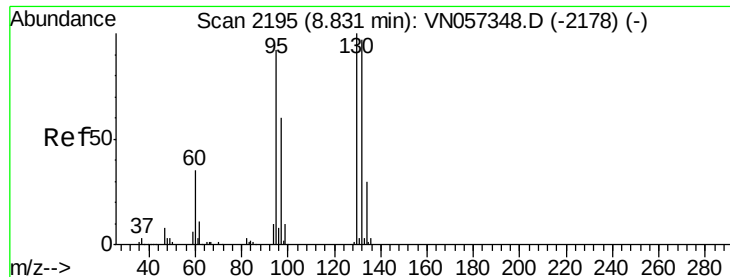
Tgt Ion:	41	Resp:	88547
Ion	Ratio	Lower	Upper
41	100		
39	52.5	25.4	76.2
67	65.1	33.6	100.8
52	24.6	12.9	38.7



#36
1,2-Dichloroethane
Concen: 19.431 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion:	62	Resp:	222214
Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.7	11.5

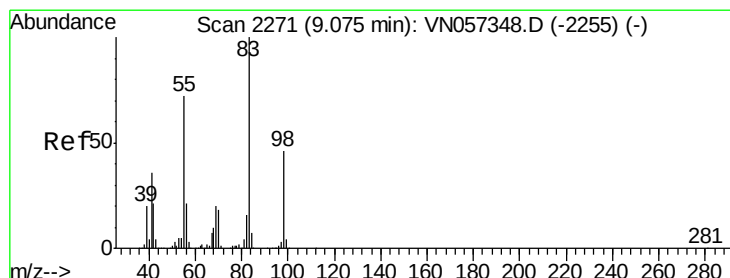
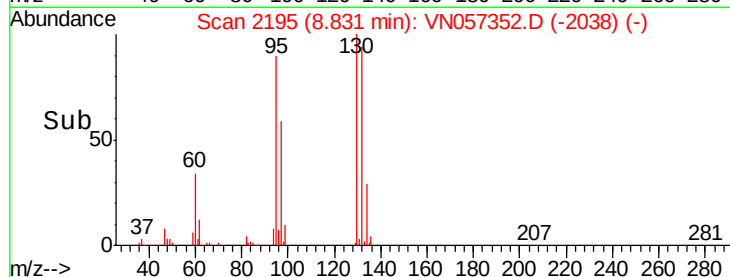
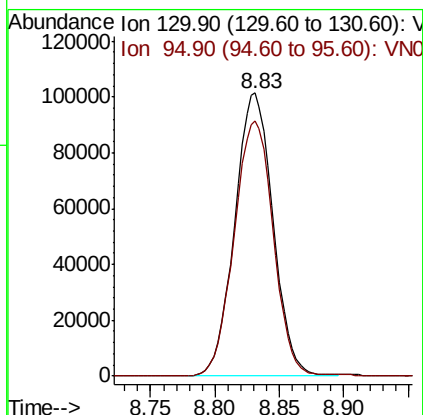
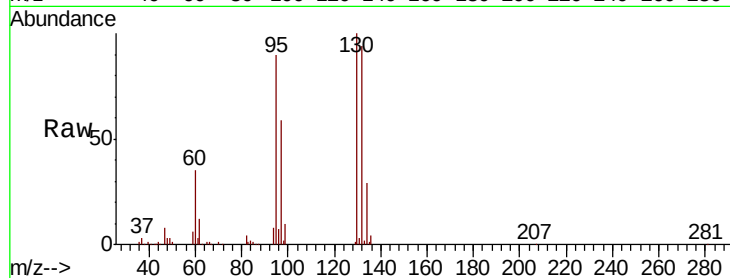




#37
 Trichloroethene
 Concen: 20.454 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

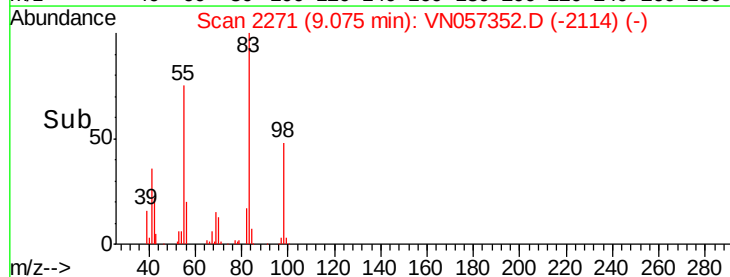
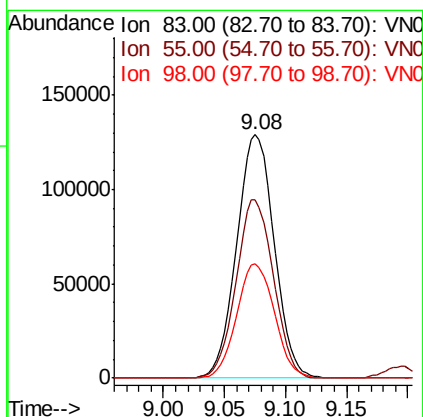
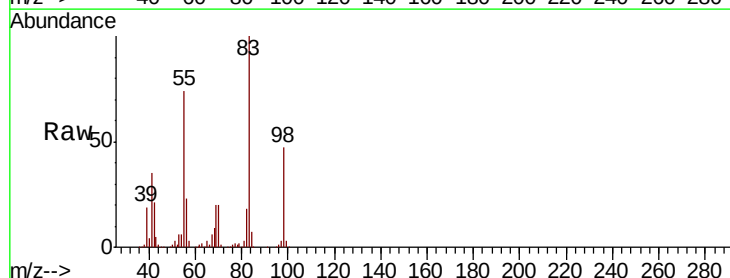
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

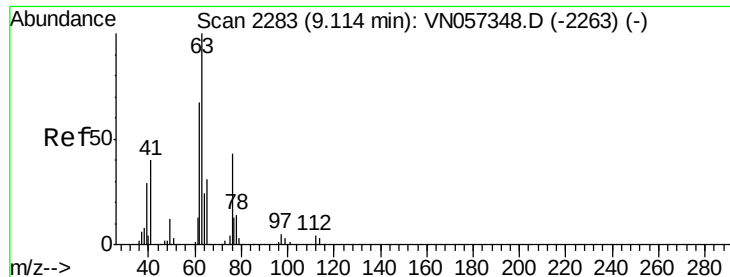
Tgt Ion: 130 Resp: 209508
 Ion Ratio Lower Upper
 130 100
 95 90.0 78.4 117.6



#38
 Methylcyclohexane
 Concen: 20.018 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 83 Resp: 274996
 Ion Ratio Lower Upper
 83 100
 55 72.8 38.4 115.2
 98 47.3 23.3 69.9





#39

1,2-Dichloropropane

Concen: 19.839 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

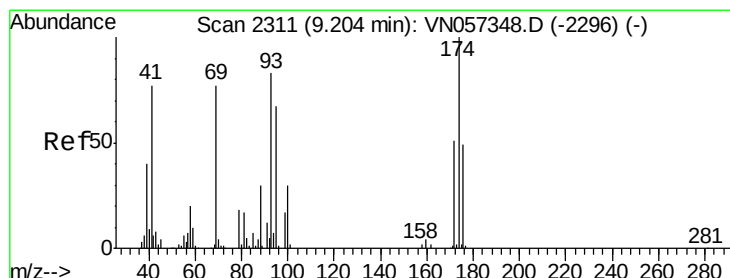
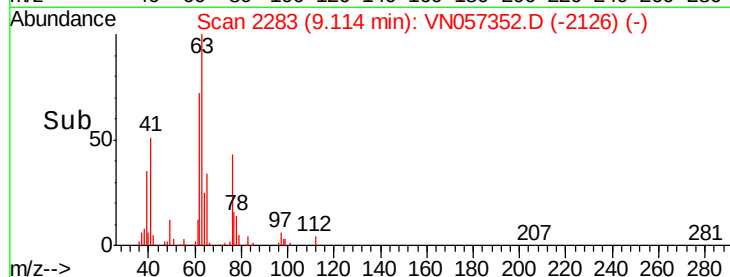
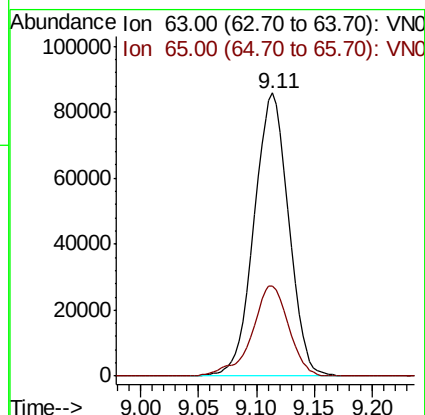
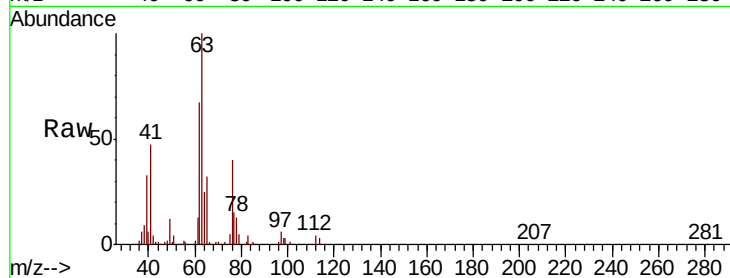
VSTDICV020

Tgt Ion: 63 Resp: 178434

Ion Ratio Lower Upper

63 100

65 31.8 24.6 36.8



#40

Dibromomethane

Concen: 19.900 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

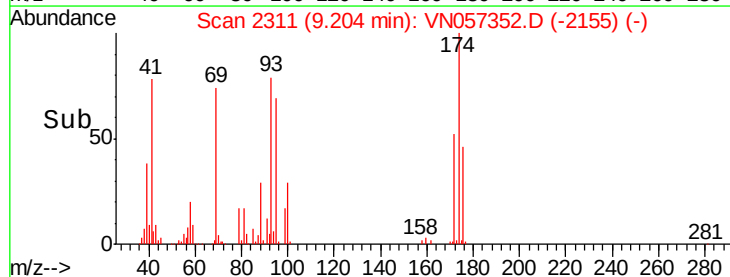
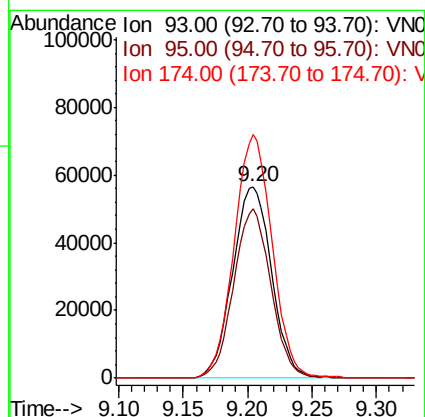
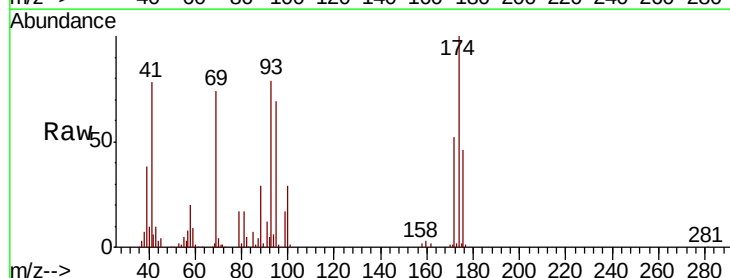
Tgt Ion: 93 Resp: 119068

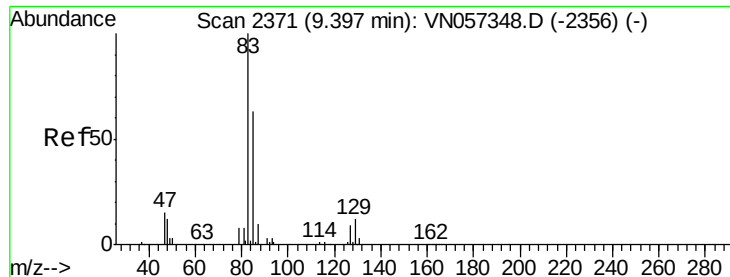
Ion Ratio Lower Upper

93 100

95 84.2 0.0 167.0

174 123.6 0.0 224.2





#41

Bromodichloromethane

Concen: 19.816 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

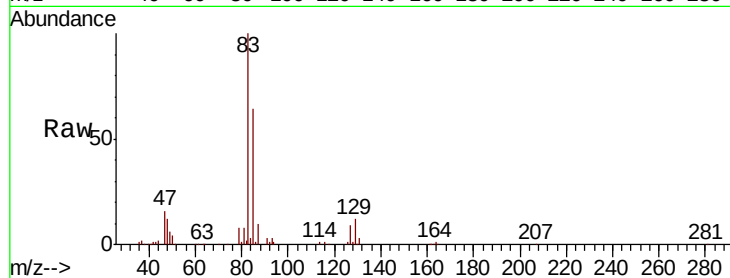
Tgt Ion: 83 Resp: 240246

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

127 9.5 7.0 10.4

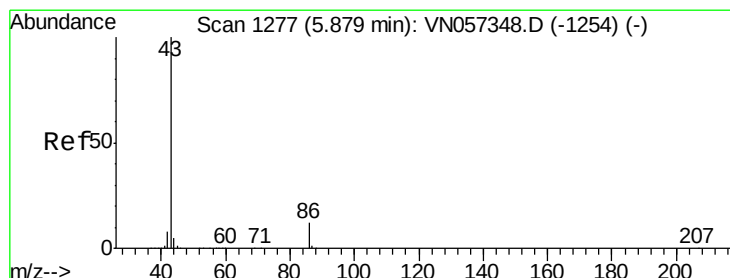
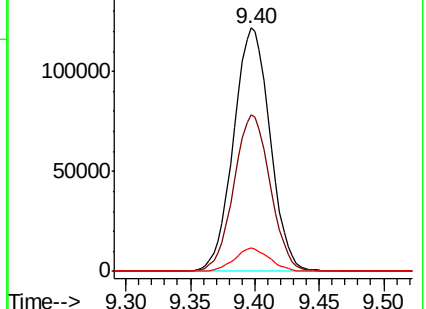
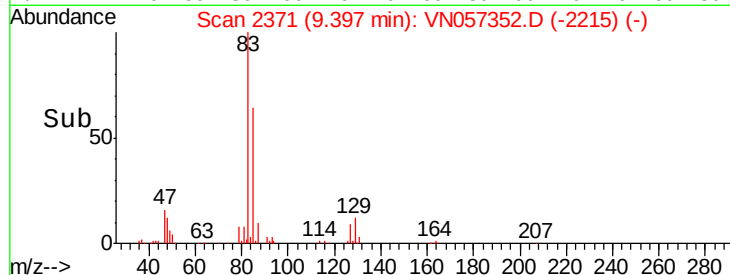


Abundance Ion 83.00 (82.70 to 83.70): VN057348.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN057348.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN057348.D (-2356) (-)

Time--> 9.30 9.35 9.40 9.45 9.50



#42

Vinyl Acetate

Concen: 101.021 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057352.D

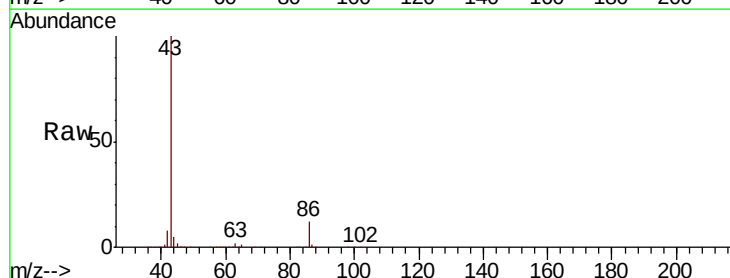
Acq: 16 Aug 2019 13:30

Tgt Ion: 43 Resp: 1945297

Ion Ratio Lower Upper

43 100

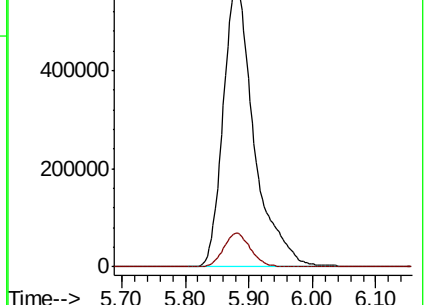
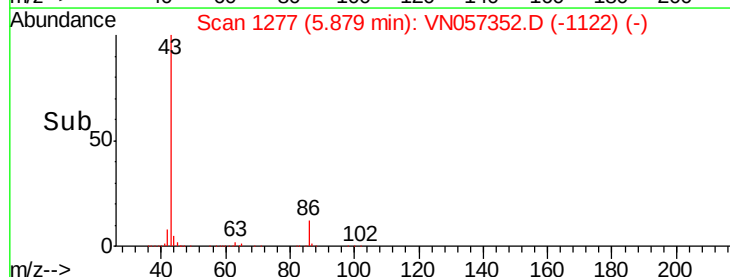
86 10.4 7.4 11.2

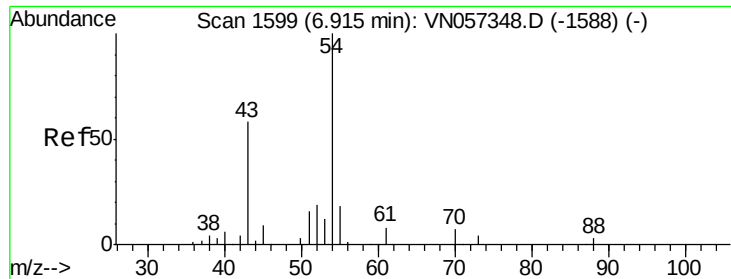


Abundance Ion 43.00 (42.70 to 43.70): VN057348.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN057348.D (-1254) (-)

Time--> 5.70 5.80 5.90 6.00 6.10

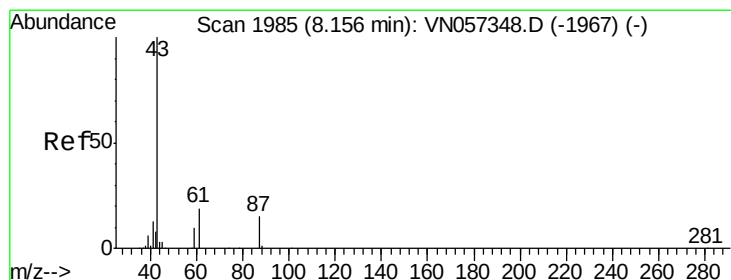
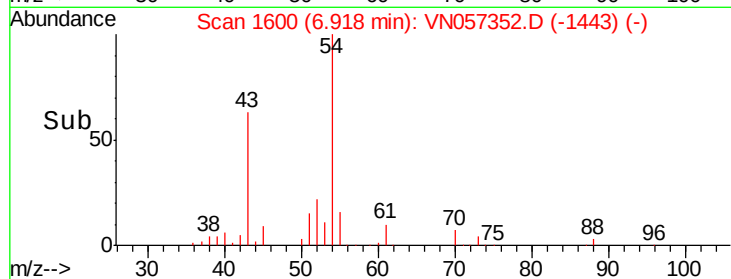
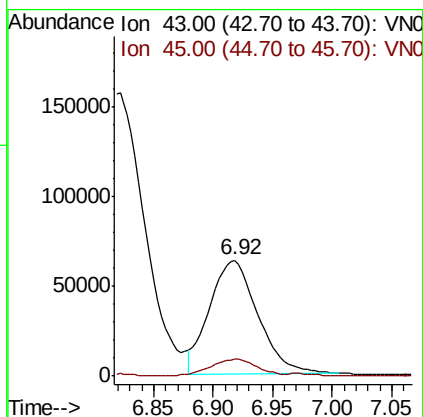
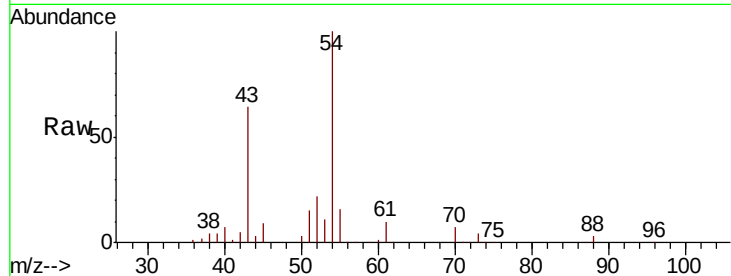




#43
Ethyl Acetate
Concen: 19.108 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

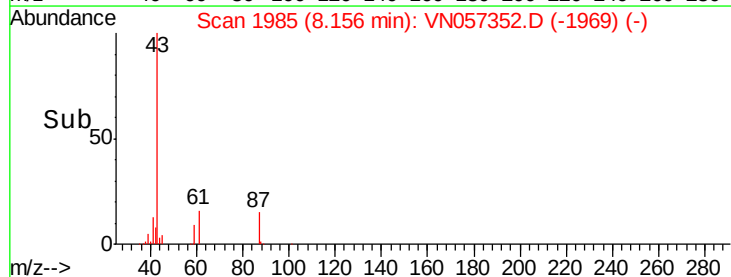
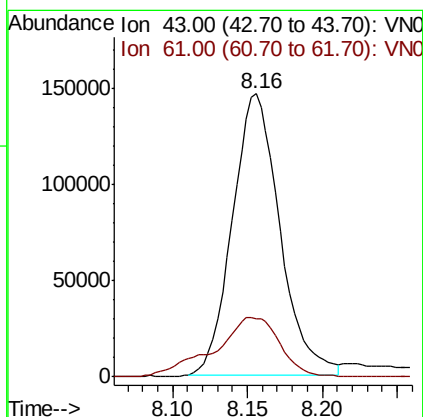
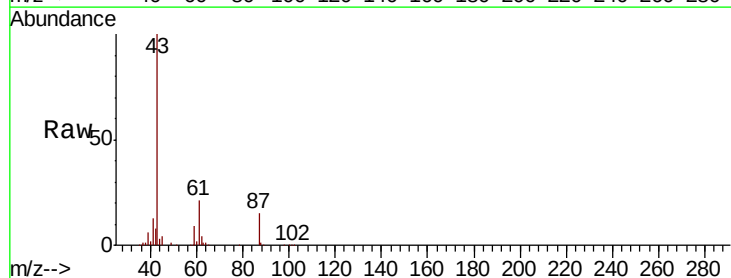
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

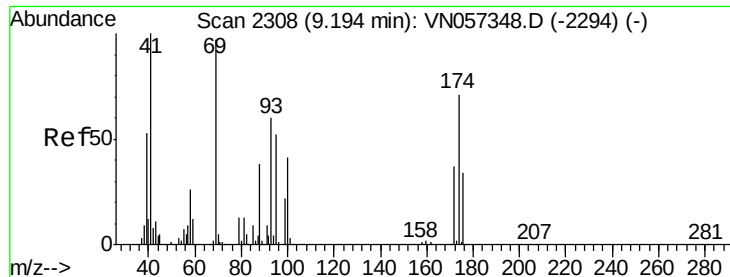
Tgt Ion: 43 Resp: 179411
Ion Ratio Lower Upper
43 100
45 14.5 11.2 16.8



#44
Isopropyl Acetate
Concen: 19.500 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.45 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 43 Resp: 322151
Ion Ratio Lower Upper
43 100
61 22.8 22.6 33.8

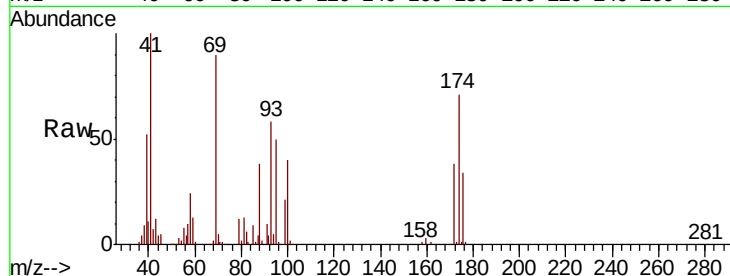




#45
1,4-Dioxane
Concen: 399.601 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.0	34.6
58	66.4	54.6	81.8

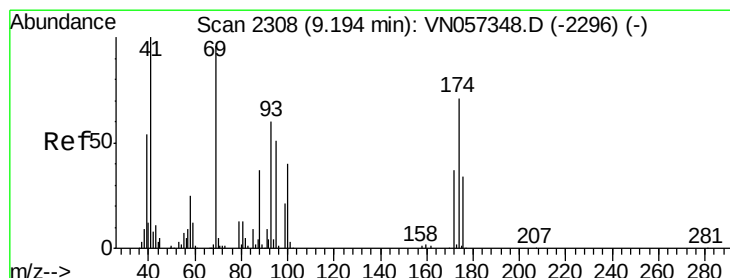
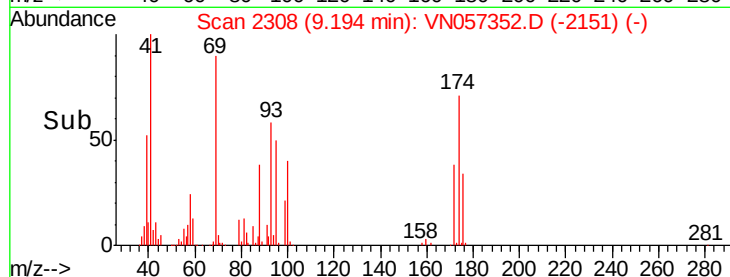
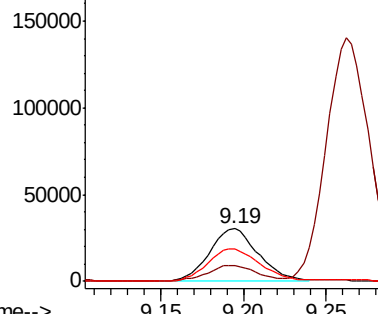


Abundance

Ion 88.00 (87.70 to 88.70): VN0

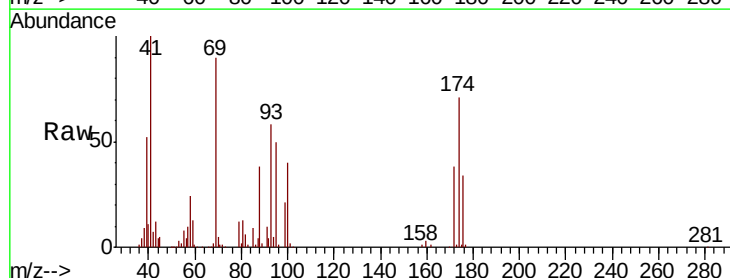
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 20.339 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.1	43.0	129.0
39	51.9	25.1	75.4

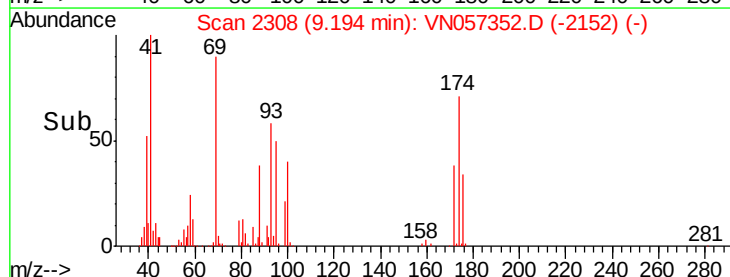
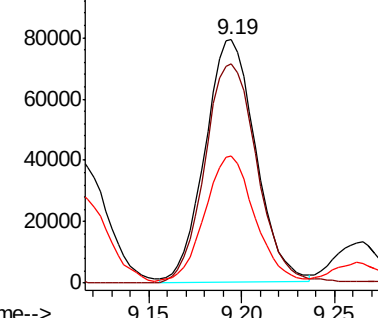


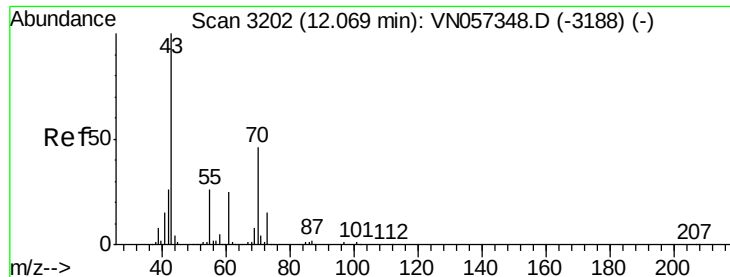
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 20.837 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

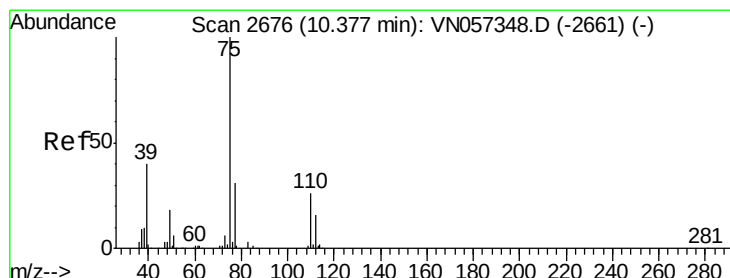
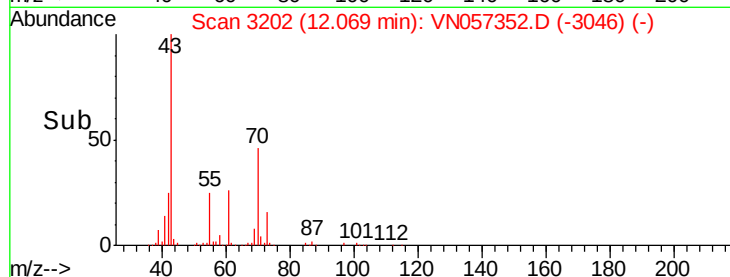
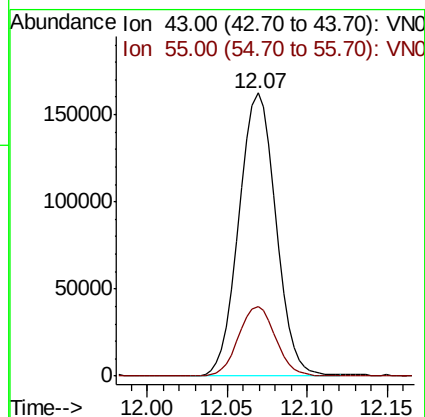
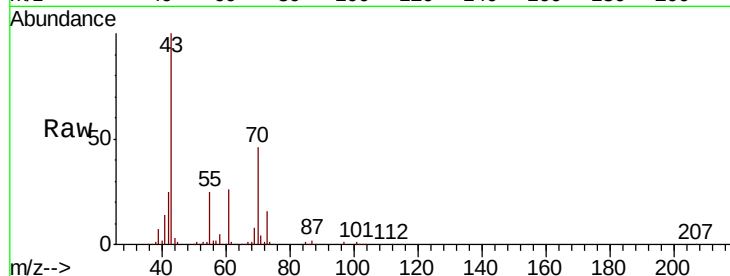
VSTDICV020

Tgt Ion: 43 Resp: 254393

Ion Ratio Lower Upper

43 100

55 25.0 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 19.570 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057352.D

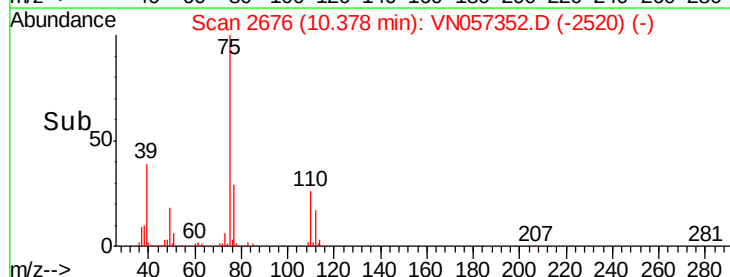
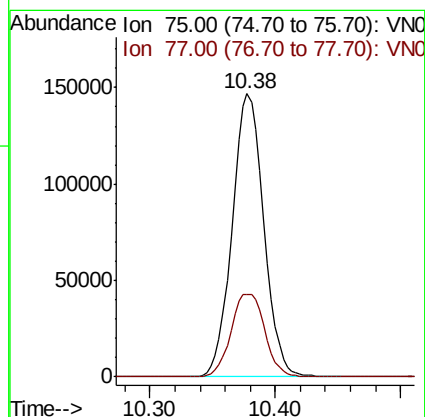
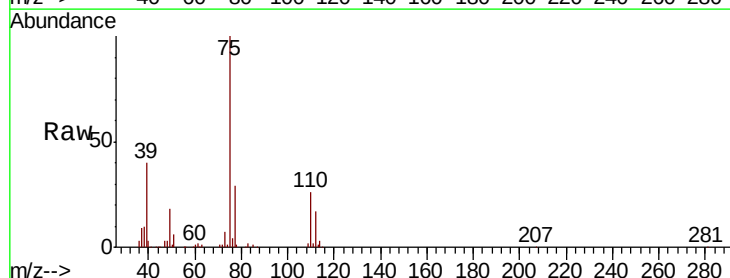
Acq: 16 Aug 2019 13:30

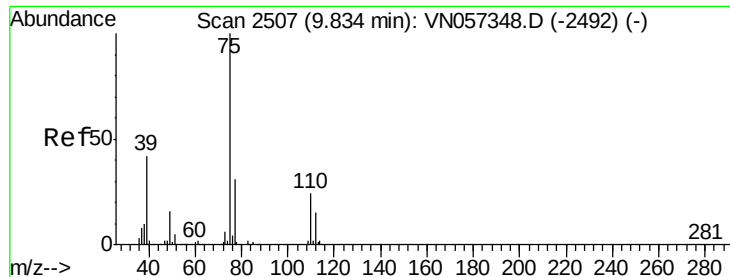
Tgt Ion: 75 Resp: 256685

Ion Ratio Lower Upper

75 100

77 29.2 25.7 38.5



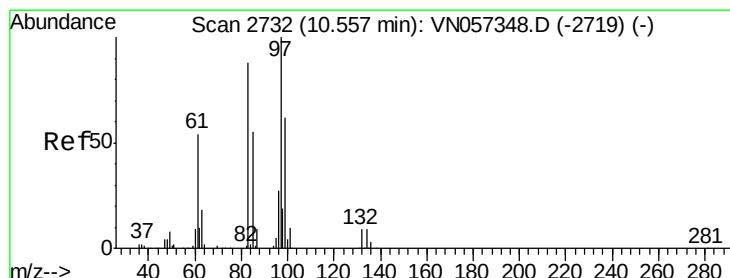
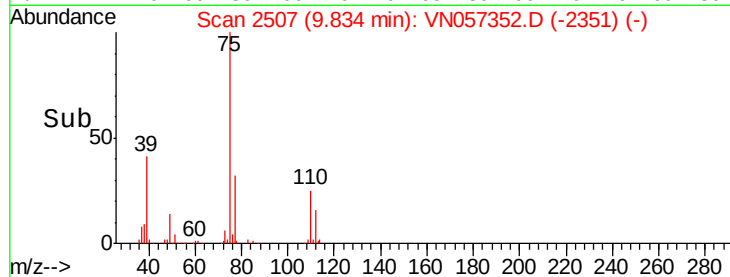
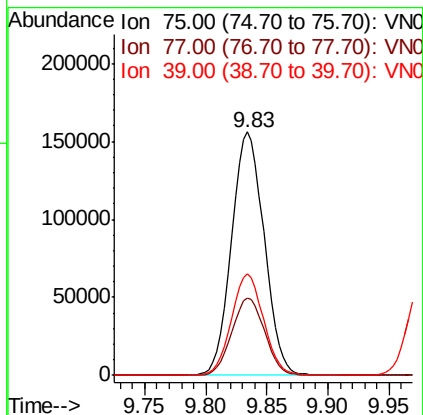
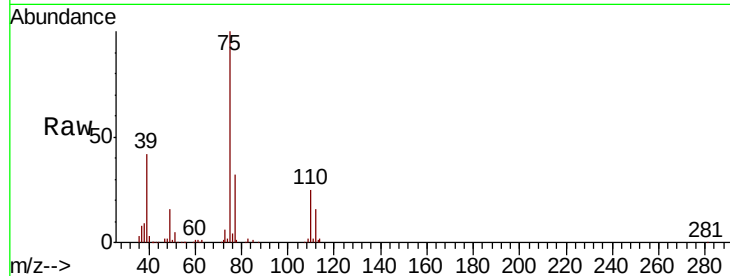


#49

cis-1,3-Dichloropropene
Concen: 19.869 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

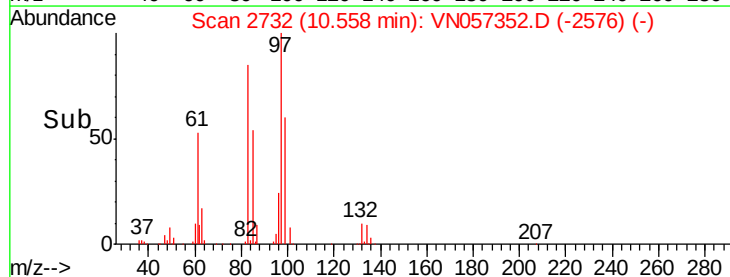
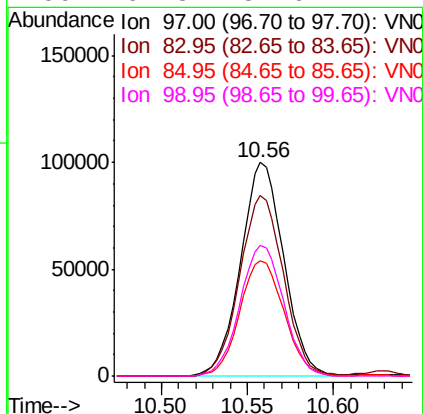
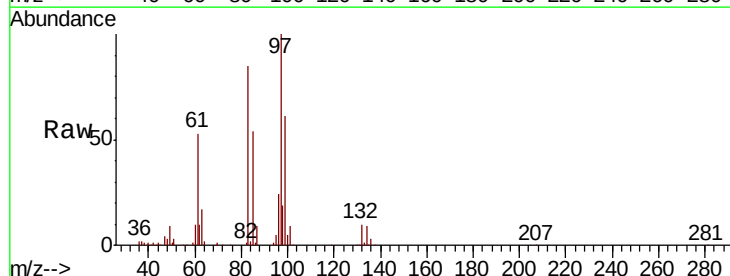
Tgt Ion:	75	Resp:	290150
Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.0	39.0
39	41.6	36.2	54.4

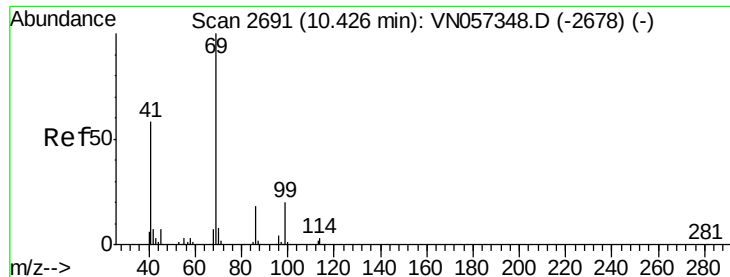


#50

1,1,2-Trichloroethane
Concen: 19.940 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion:	97	Resp:	174117
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.2	103.8
85	54.2	45.3	67.9
99	61.3	51.6	77.4





#51

Ethyl methacrylate

Concen: 19.720 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

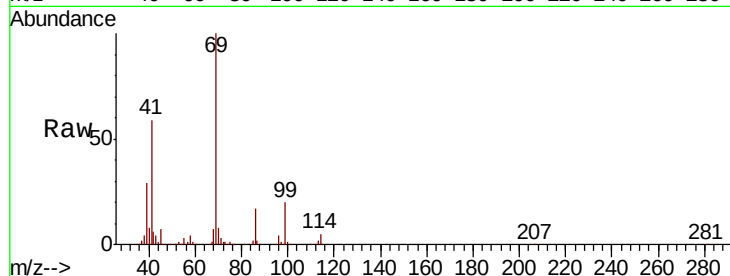
Tgt Ion: 69 Resp: 249619

Ion Ratio Lower Upper

69 100

41 58.9 32.8 98.3

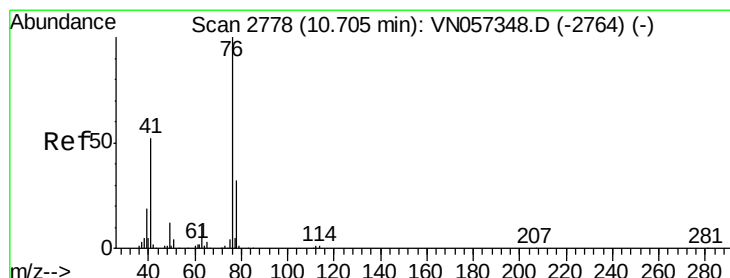
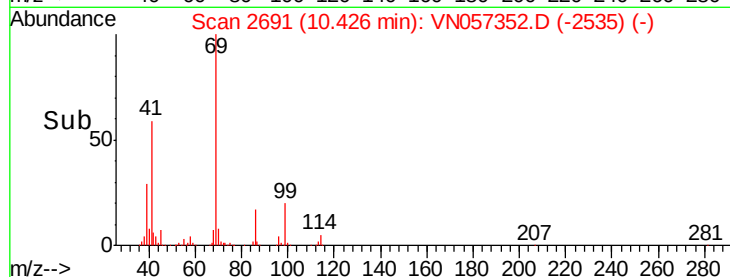
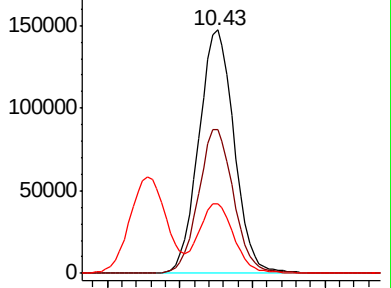
39 28.4 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN057348.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN057348.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN057348.D (-2678) (-)



#52

1,3-Dichloropropane

Concen: 19.832 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057352.D

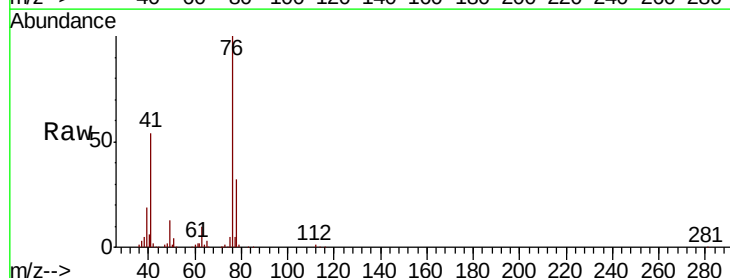
Acq: 16 Aug 2019 13:30

Tgt Ion: 76 Resp: 282813

Ion Ratio Lower Upper

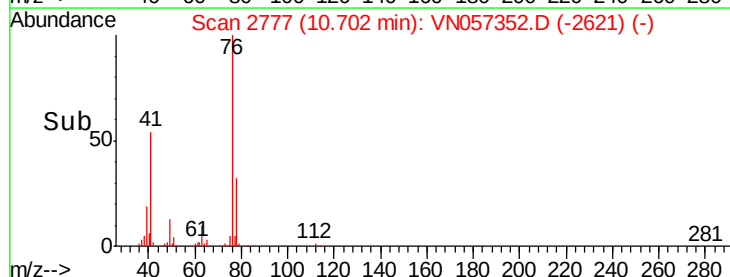
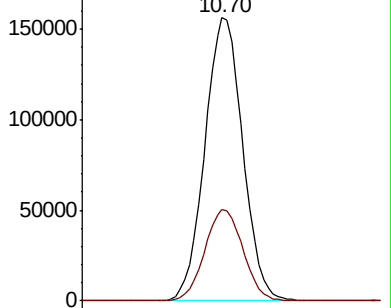
76 100

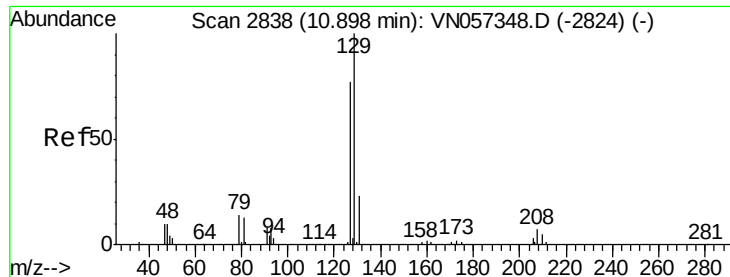
78 32.7 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-2764) (-)





#53

Dibromochloromethane

Concen: 19.753 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

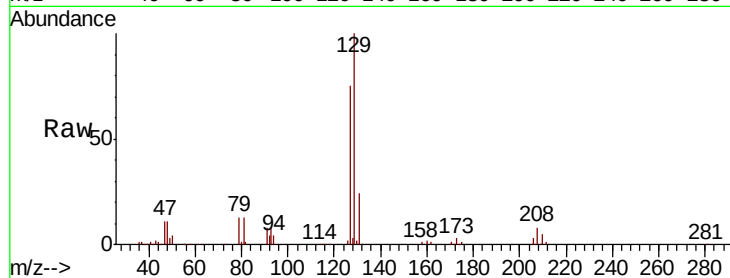
VSTDICV020

Tgt Ion:129 Resp: 198441

Ion Ratio Lower Upper

129 100

127 76.4 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

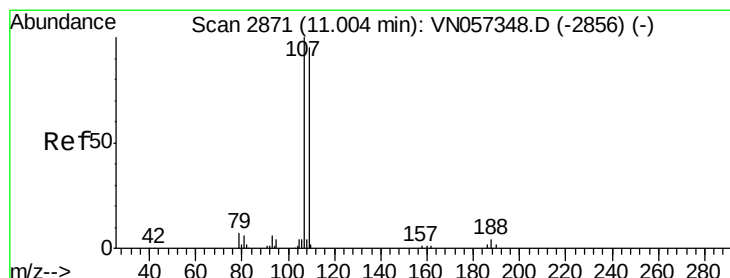
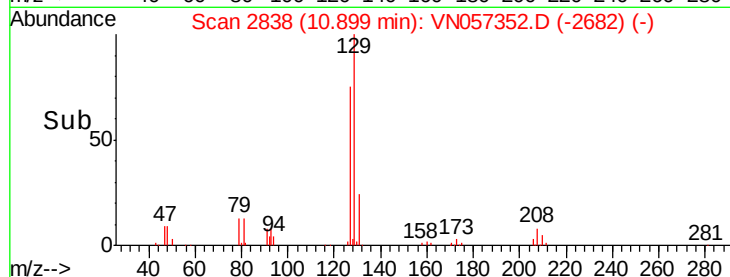
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 20.093 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057352.D

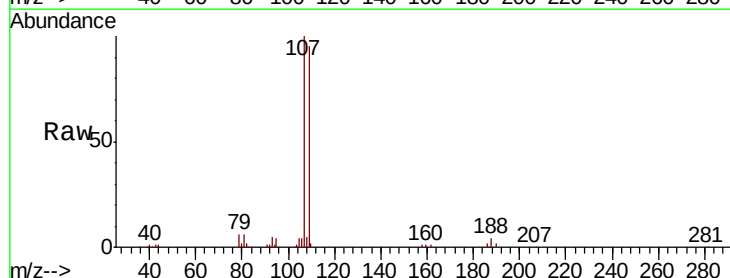
Acq: 16 Aug 2019 13:30

Tgt Ion:107 Resp: 184782

Ion Ratio Lower Upper

107 100

109 94.5 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

120000

100000

80000

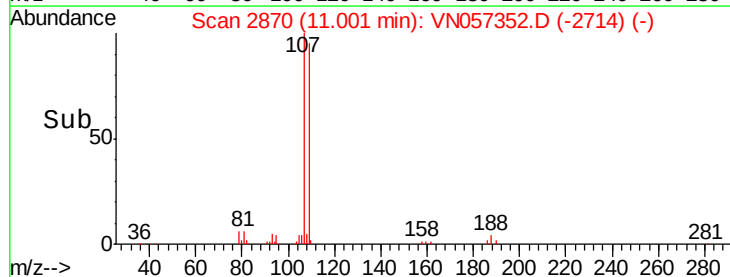
60000

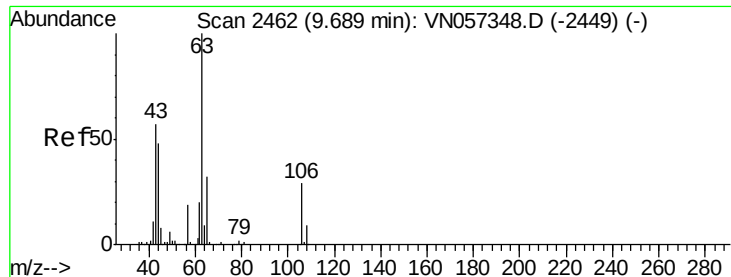
40000

20000

0

Time-->

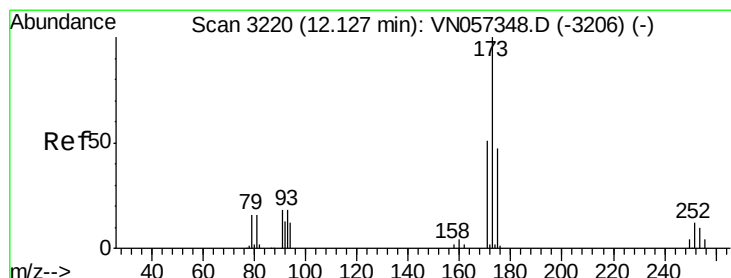
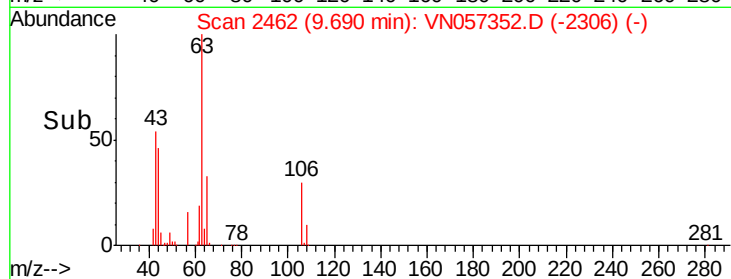
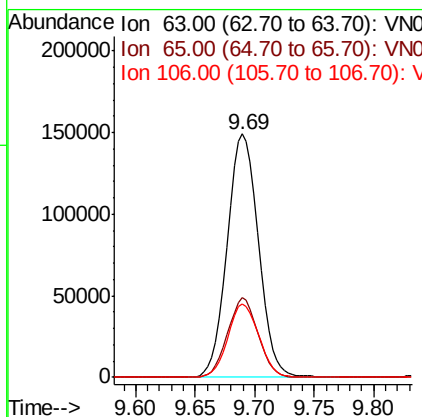
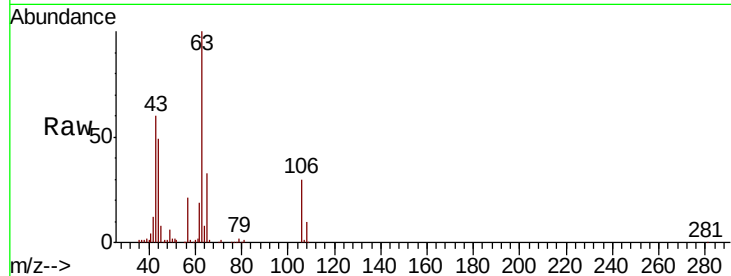




#55
 2-Chloroethyl vinyl ether
 Concen: 92.466 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

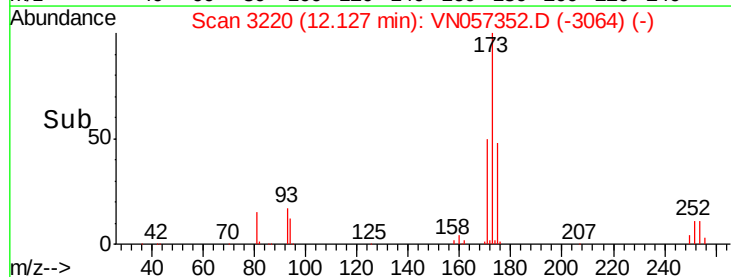
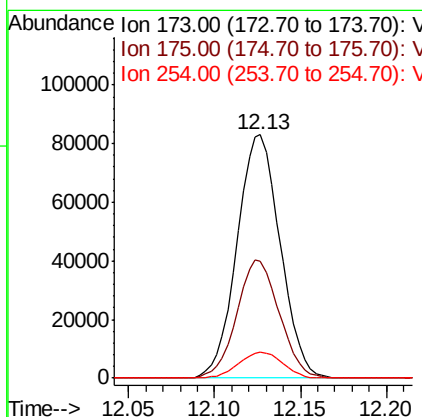
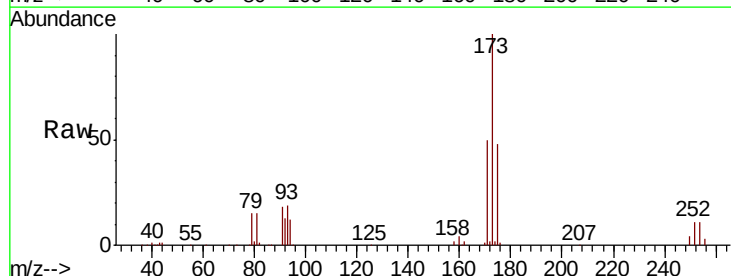
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

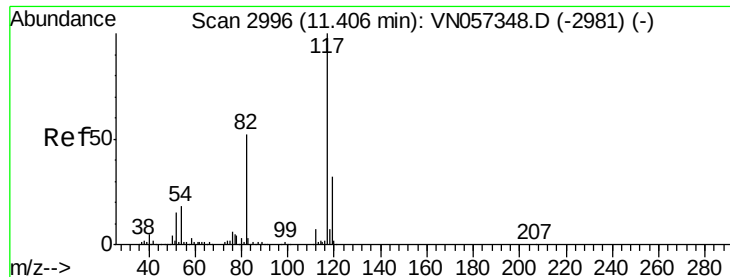
Tgt Ion:	63	Resp:	272459
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.2	37.8
106	29.9	21.6	32.4



#56
 Bromoform
 Concen: 19.122 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion:	173	Resp:	145060
Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.7	59.5
254	10.7	7.8	11.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

VSTDICV020

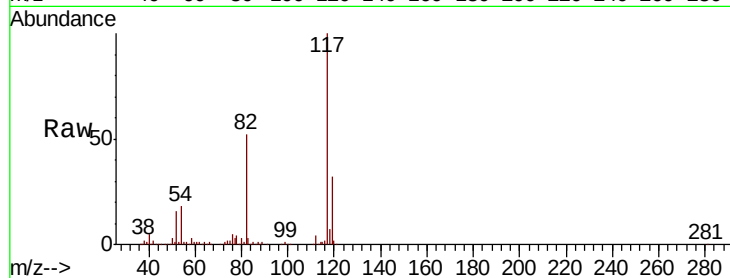
Tgt Ion: 117 Resp: 682272

Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.4

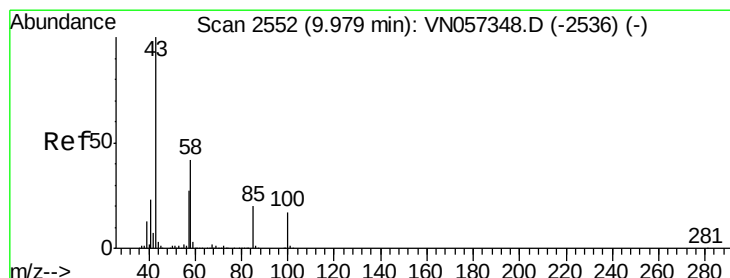
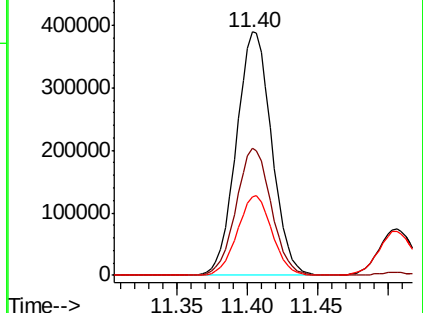
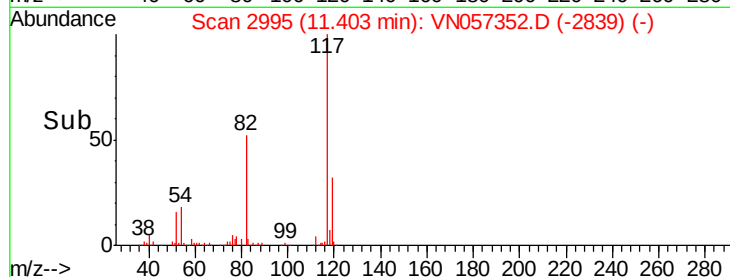
119 32.2 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VNO

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 103.249 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

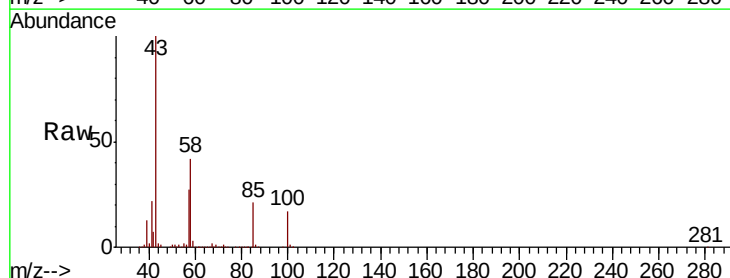
Tgt Ion: 43 Resp: 917660

Ion Ratio Lower Upper

43 100

58 42.0 31.9 47.9

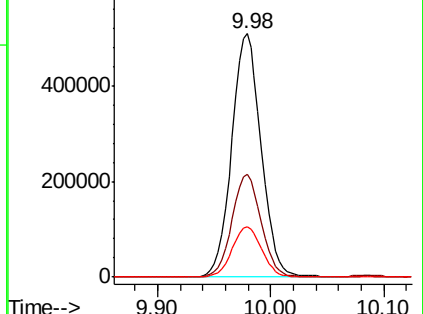
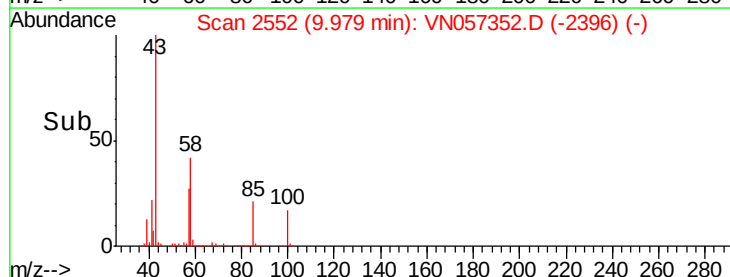
85 20.9 14.2 21.4

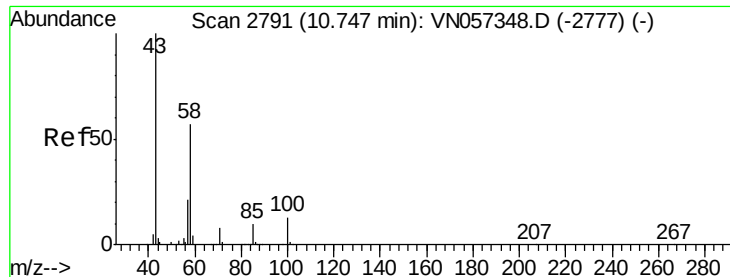


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

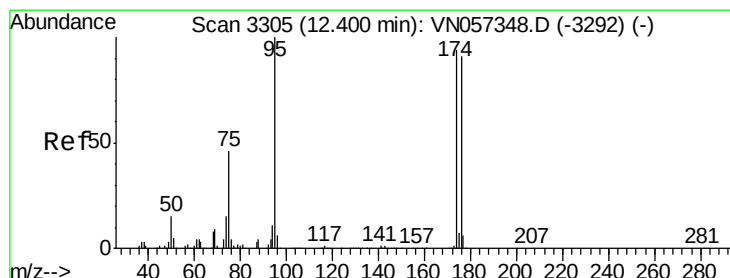
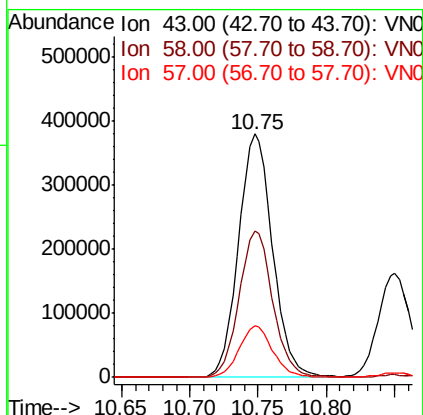
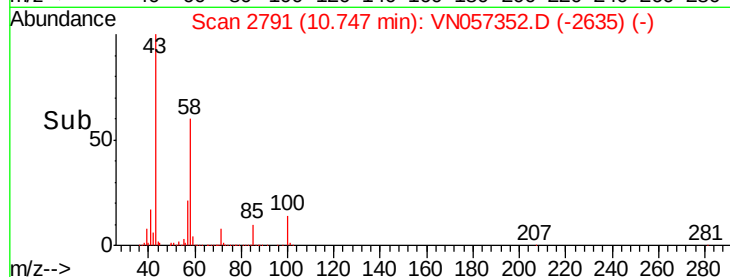
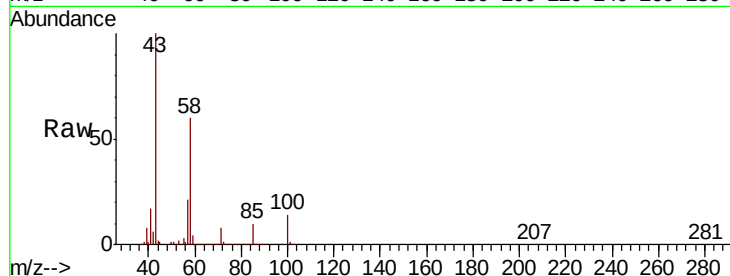




#59
2-Hexanone
Concen: 103.289 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

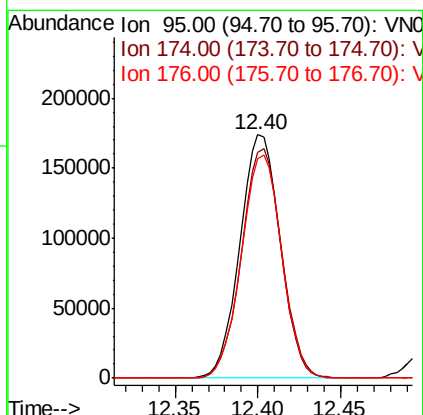
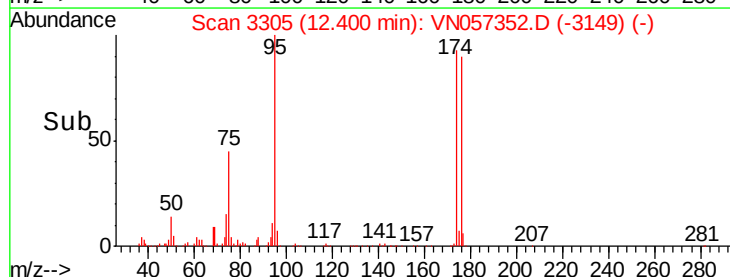
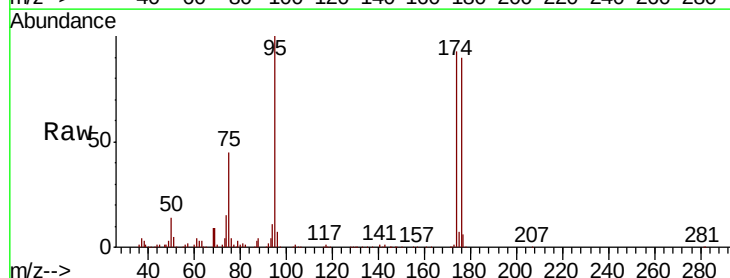
Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

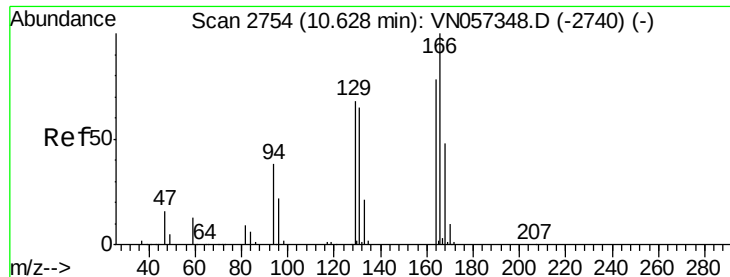
Tgt Ion: 43 Resp: 658438
Ion Ratio Lower Upper
43 100
58 59.4 44.4 66.6
57 20.8 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.308 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion: 95 Resp: 294445
Ion Ratio Lower Upper
95 100
174 93.6 72.6 108.8
176 91.6 71.0 106.6





#61

Tetrachloroethene

Concen: 21.319 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

Tgt Ion:164 Resp: 213190

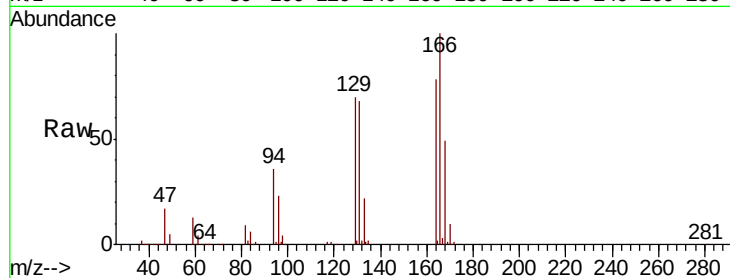
Ion Ratio Lower Upper

164 100

166 127.5 102.3 153.5

129 88.7 72.6 108.8

131 86.6 71.4 107.2

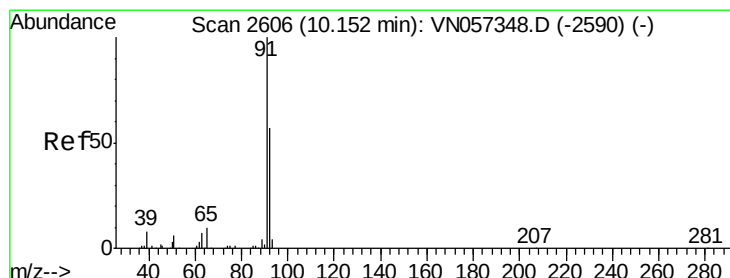
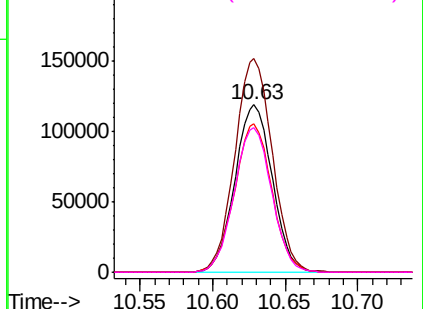
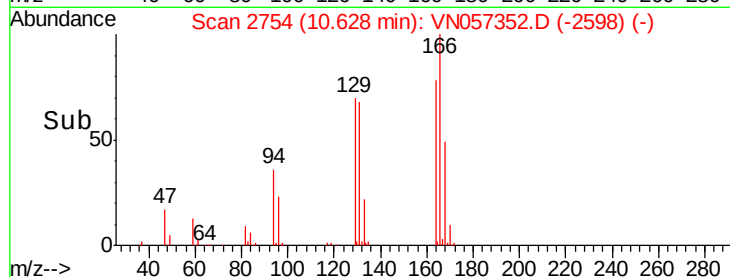


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.700 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057352.D

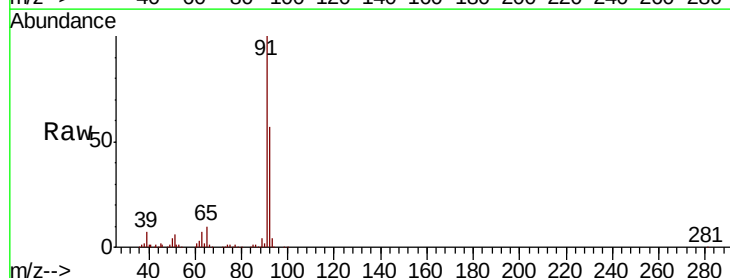
Acq: 16 Aug 2019 13:30

Tgt Ion: 91 Resp: 778963

Ion Ratio Lower Upper

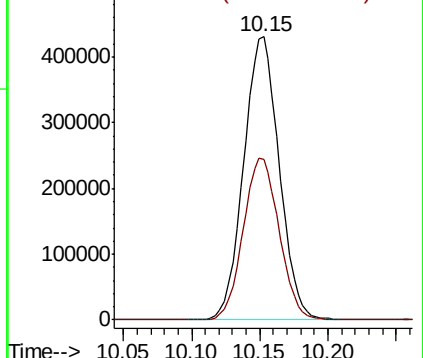
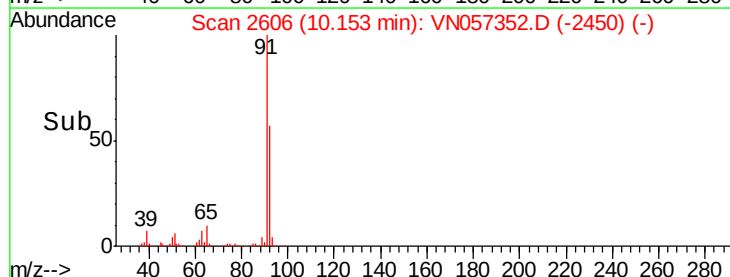
91 100

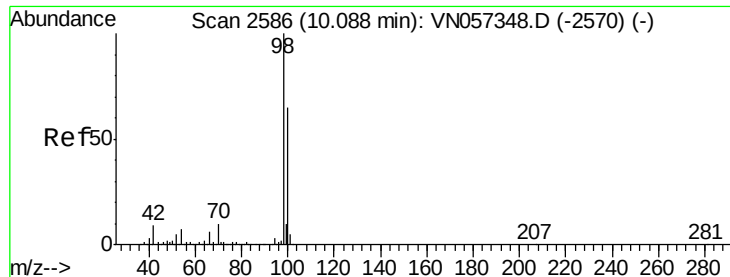
92 57.7 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.459 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

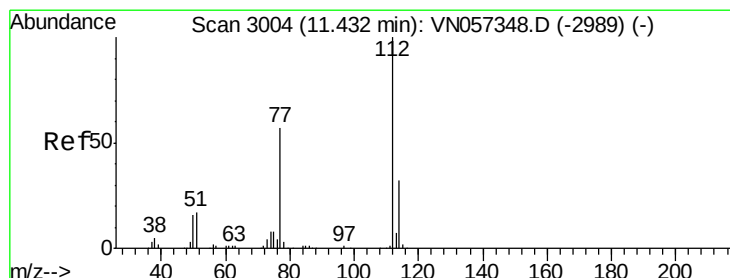
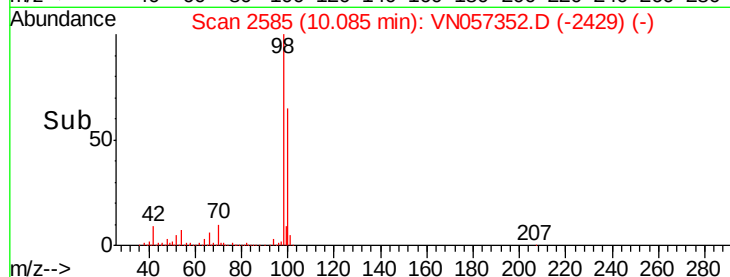
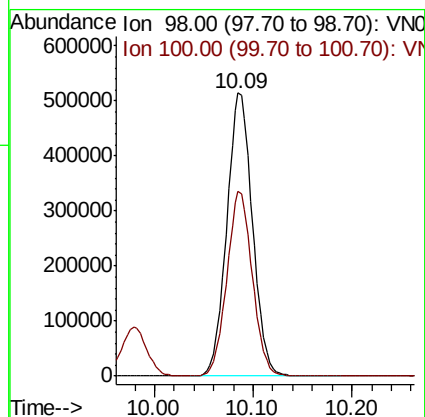
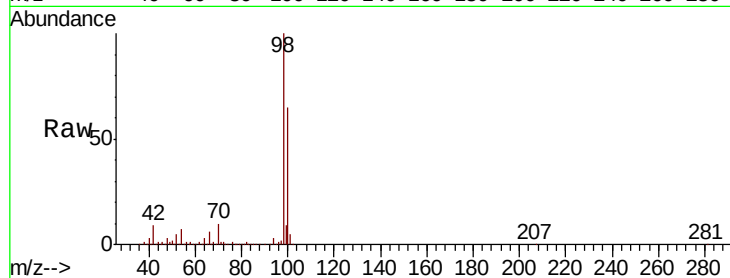
VSTDICV020

Tgt Ion: 98 Resp: 937350

Ion Ratio Lower Upper

98 100

100 64.9 51.1 76.7



#64

Chlorobenzene

Concen: 20.485 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057352.D

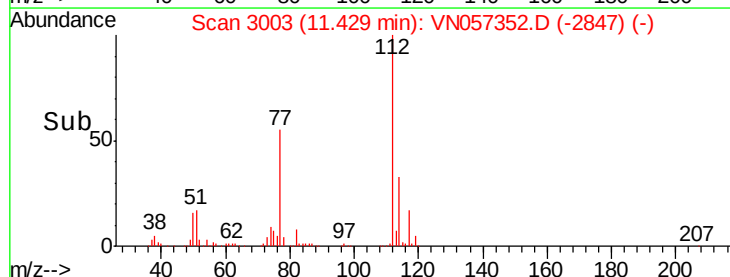
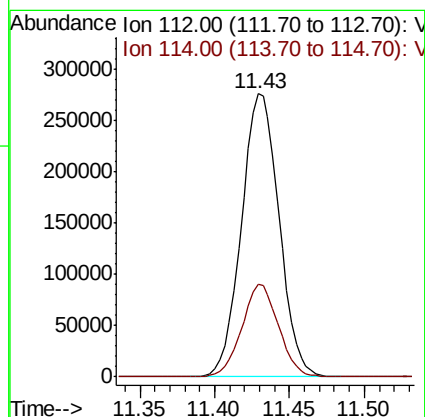
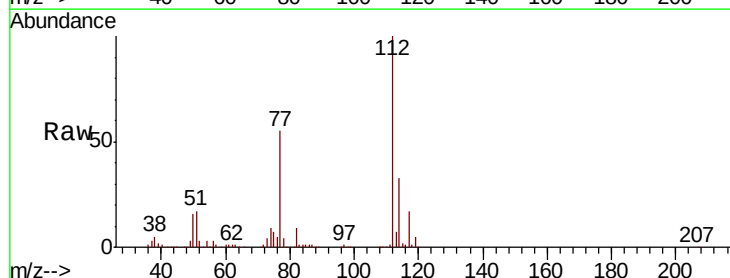
Acq: 16 Aug 2019 13:30

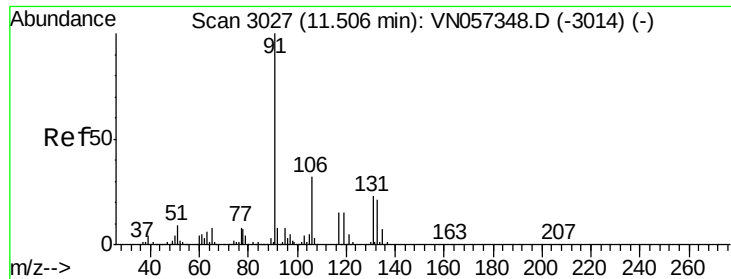
Tgt Ion: 112 Resp: 484273

Ion Ratio Lower Upper

112 100

114 32.7 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.432 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

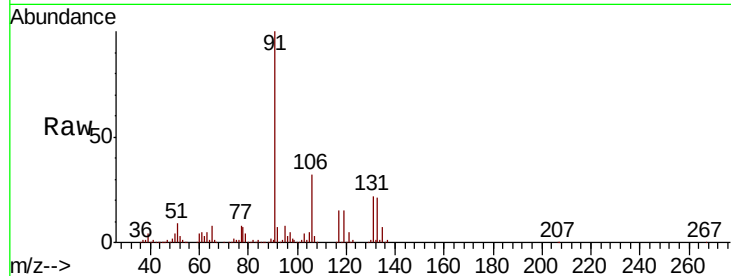
Tgt Ion: 131 Resp: 187749

Ion Ratio Lower Upper

131 100

133 96.6 0.0 191.4

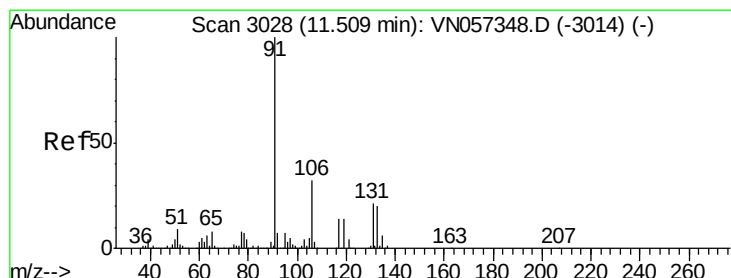
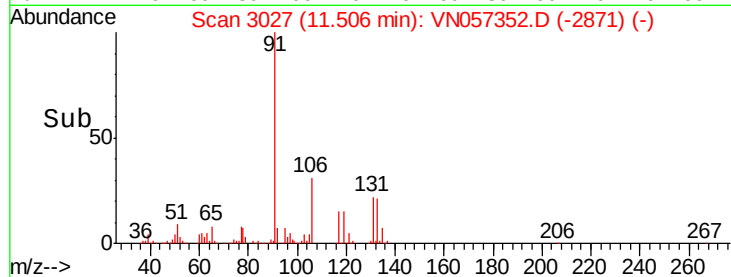
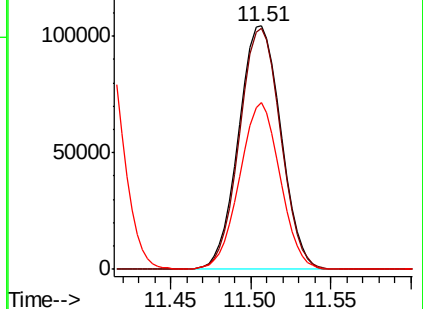
119 65.7 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.520 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057352.D

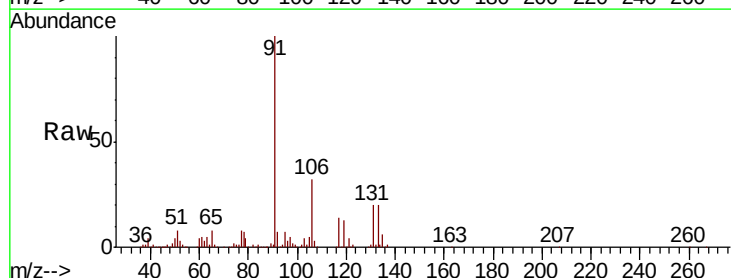
Acq: 16 Aug 2019 13:30

Tgt Ion: 91 Resp: 843663

Ion Ratio Lower Upper

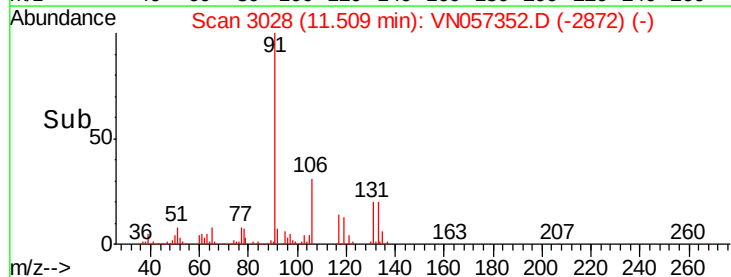
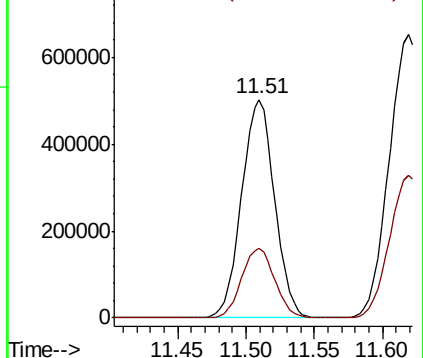
91 100

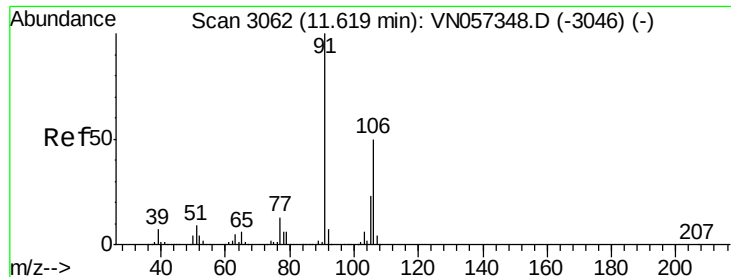
106 31.7 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.035 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

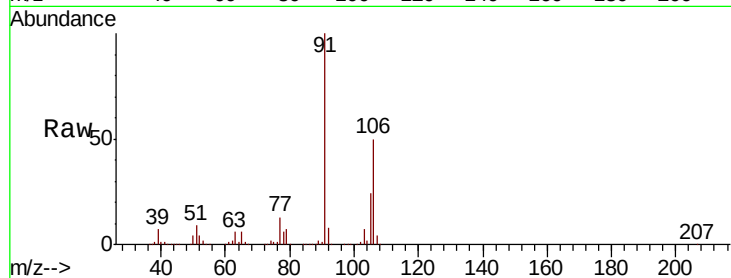
VSTDICV020

Tgt Ion:106 Resp: 631444

Ion Ratio Lower Upper

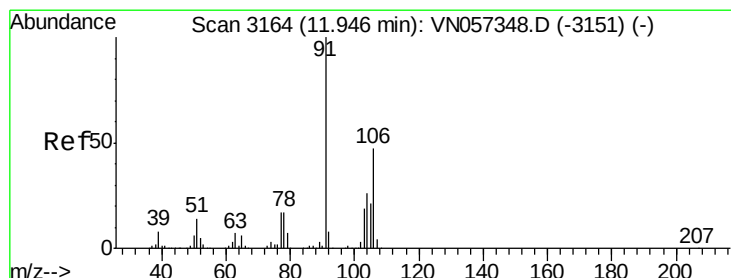
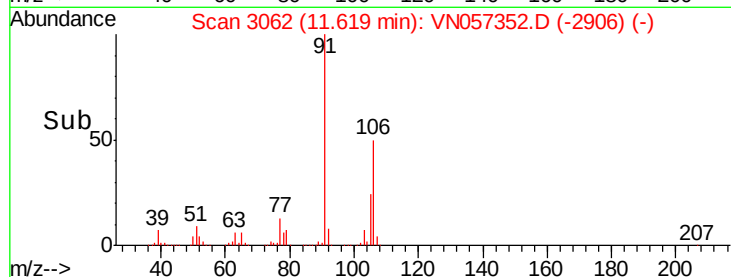
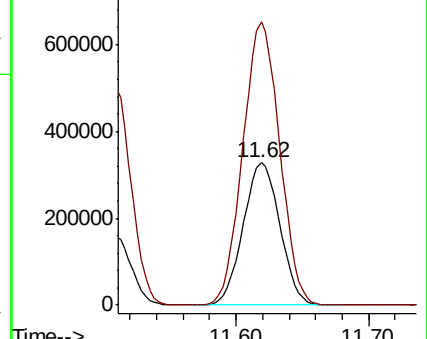
106 100

91 199.7 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.440 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057352.D

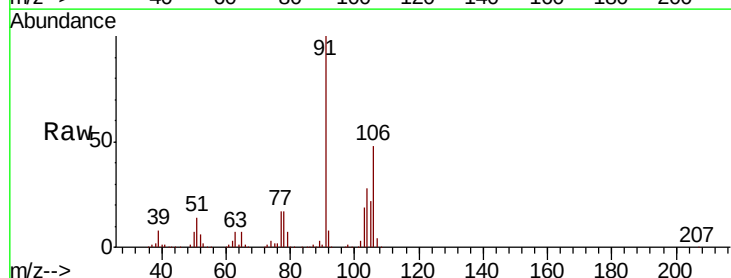
Acq: 16 Aug 2019 13:30

Tgt Ion:106 Resp: 307476

Ion Ratio Lower Upper

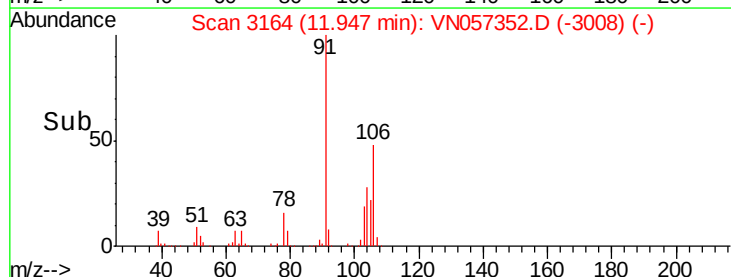
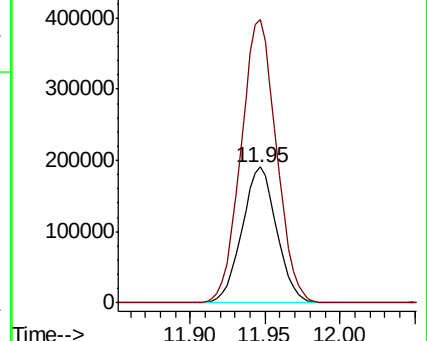
106 100

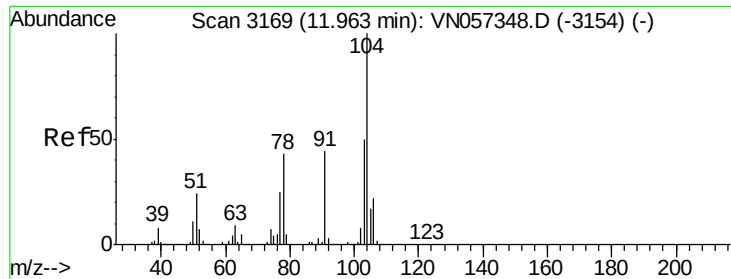
91 213.0 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

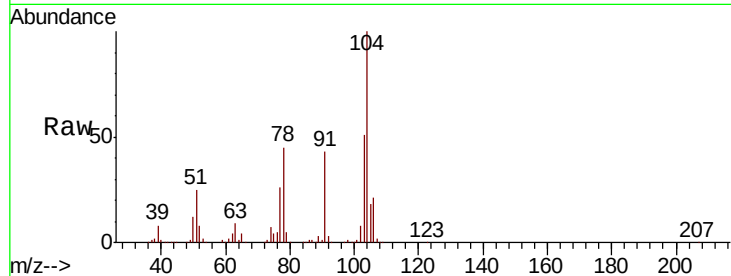




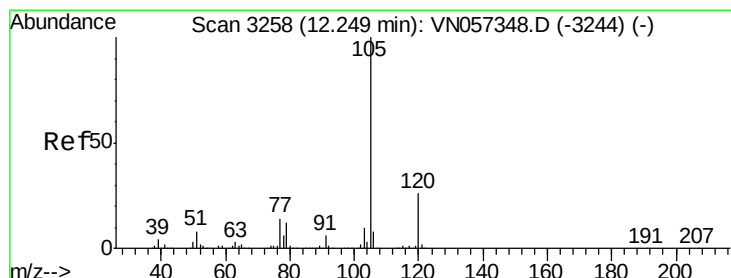
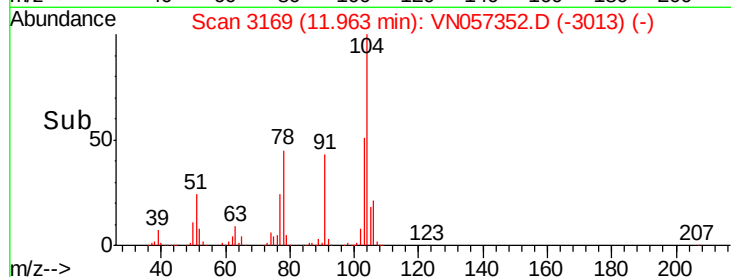
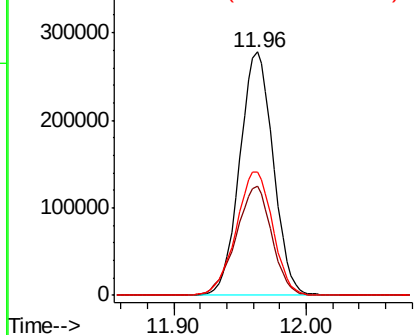
#69
Styrene
Concen: 20.169 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion:104 Resp: 487430
Ion Ratio Lower Upper
104 100
78 48.2 38.7 58.1
103 55.5 45.0 67.4

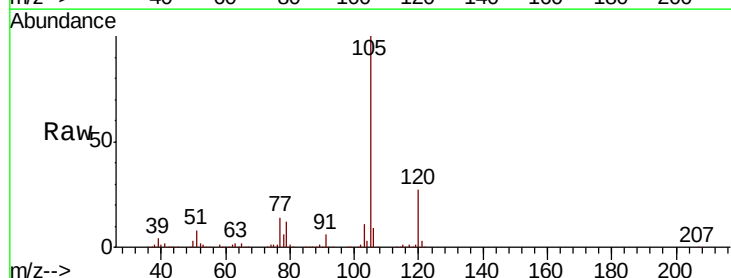


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

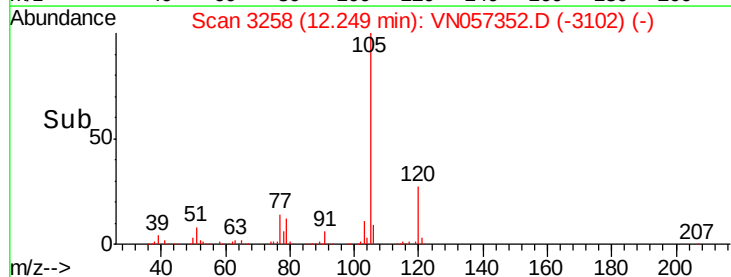
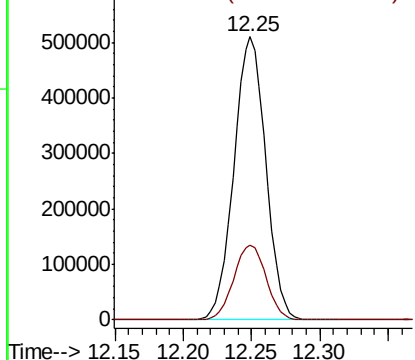


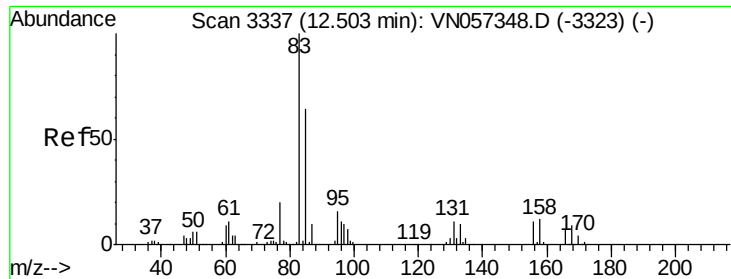
#70
Isopropylbenzene
Concen: 20.458 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion:105 Resp: 825076
Ion Ratio Lower Upper
105 100
120 26.9 18.6 34.5



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

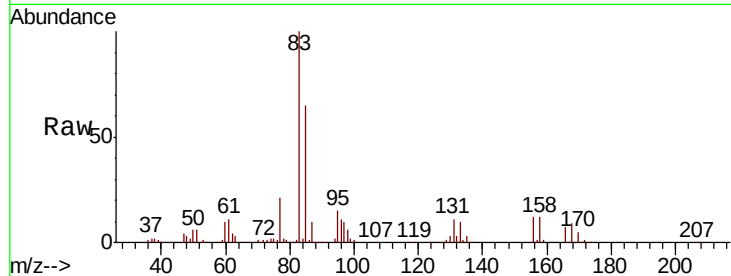




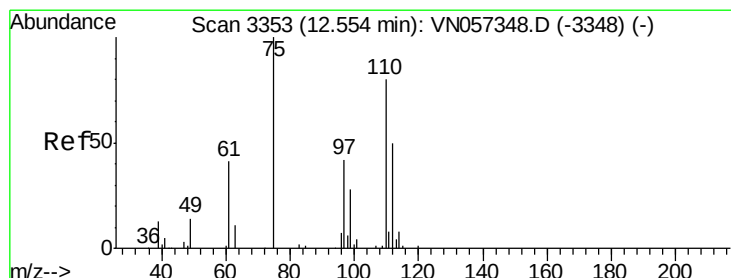
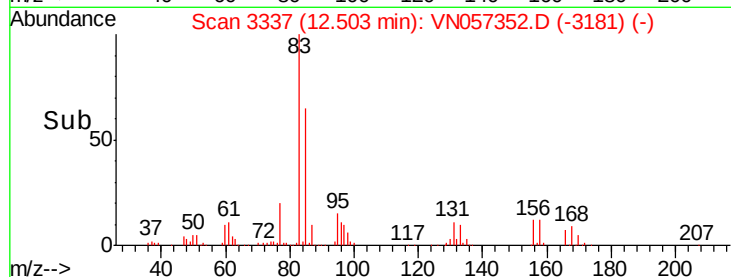
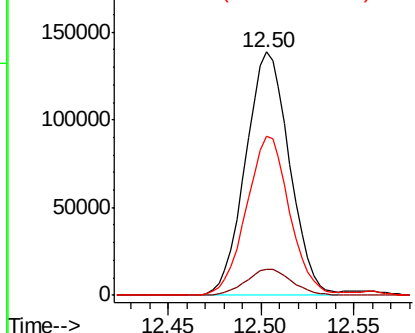
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.803 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tgt Ion: 83 Resp: 229829
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.1 15.3
 85 64.1 31.9 95.7

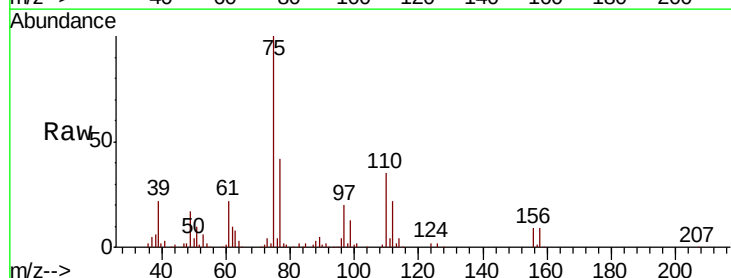


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

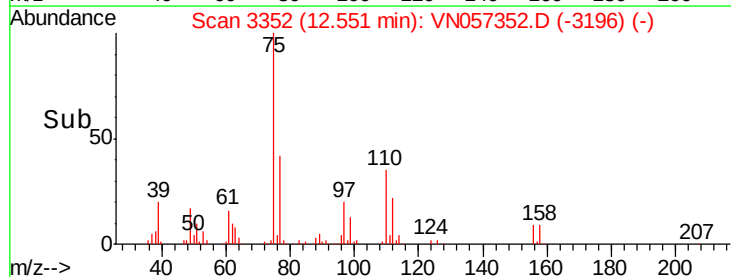
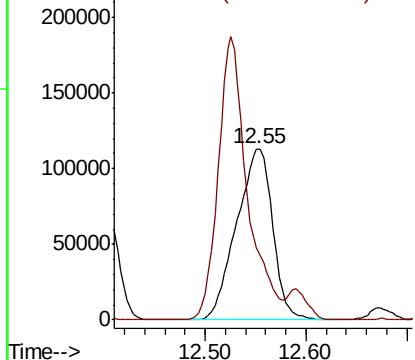


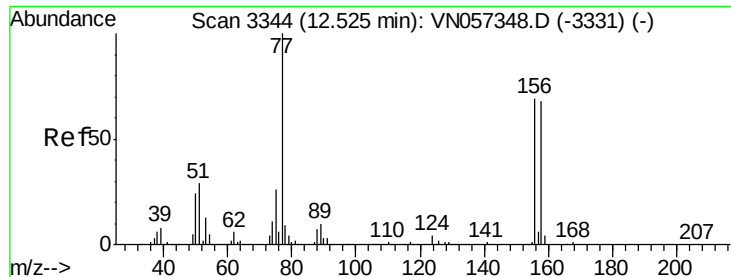
#72
 1,2,3-Trichloropropane
 Concen: 30.154 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 75 Resp: 281123
 Ion Ratio Lower Upper
 75 100
 77 134.2 0.0 352.2



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





#73

Bromobenzene

Concen: 20.148 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

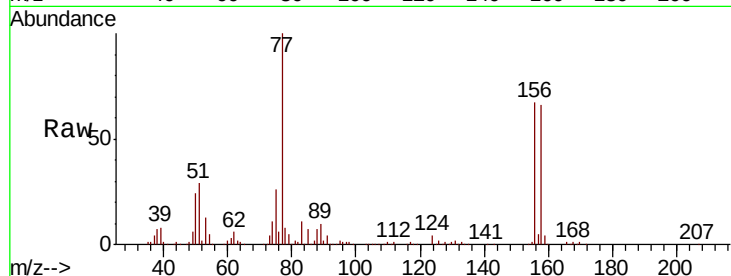
Tgt Ion:156 Resp: 215322

Ion Ratio Lower Upper

156 100

77 175.2 0.0 381.8

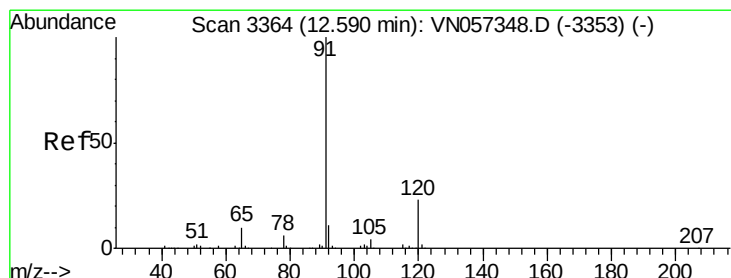
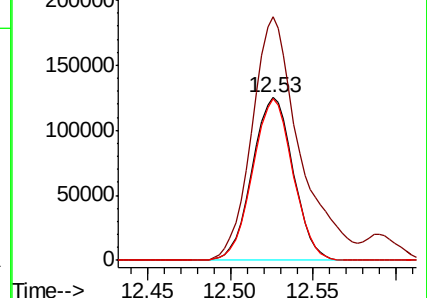
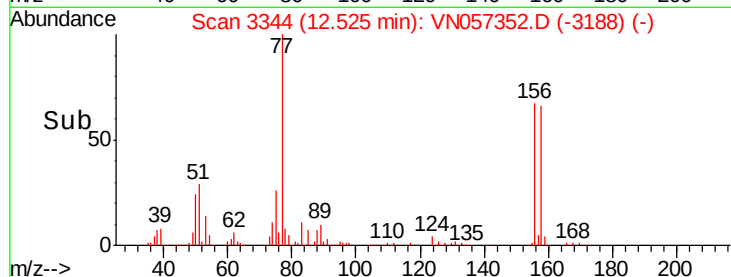
158 97.7 0.0 195.8



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: 19.873 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057352.D

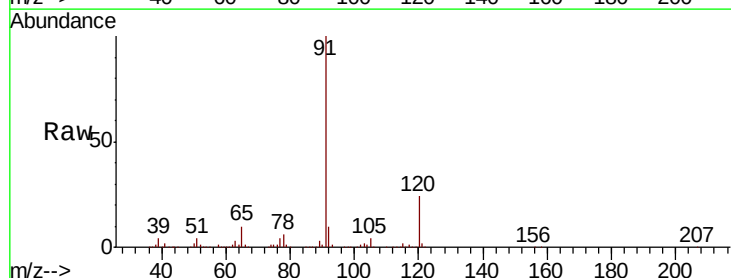
Acq: 16 Aug 2019 13:30

Tgt Ion: 91 Resp: 832519

Ion Ratio Lower Upper

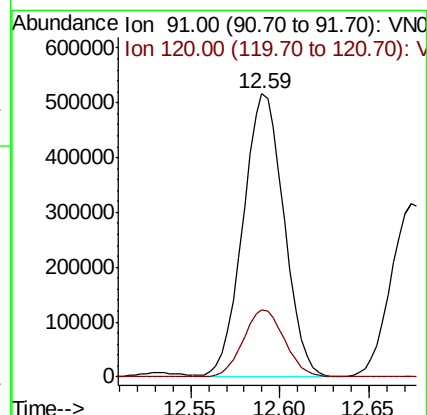
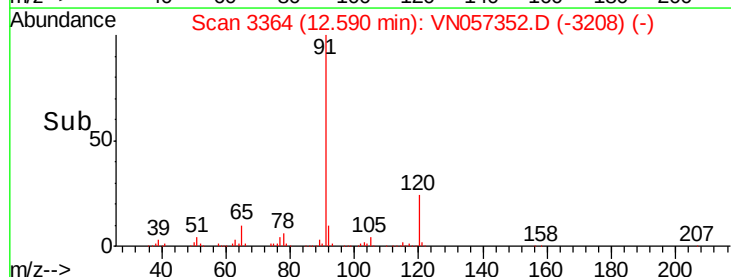
91 100

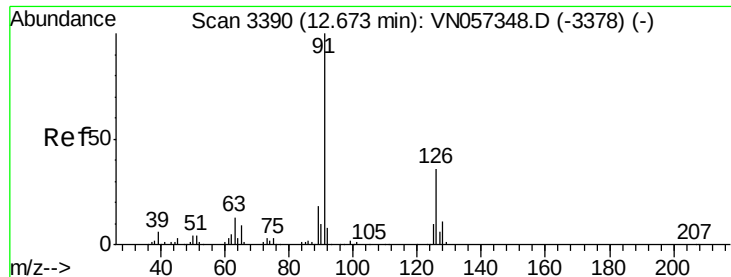
120 23.6 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.477 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

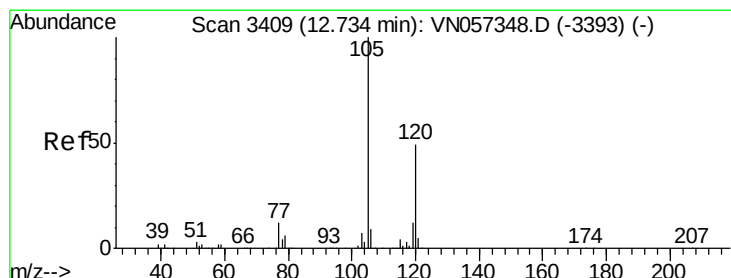
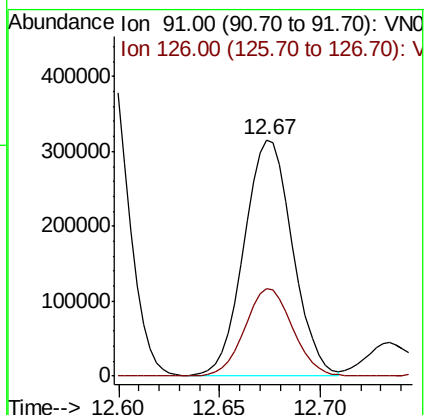
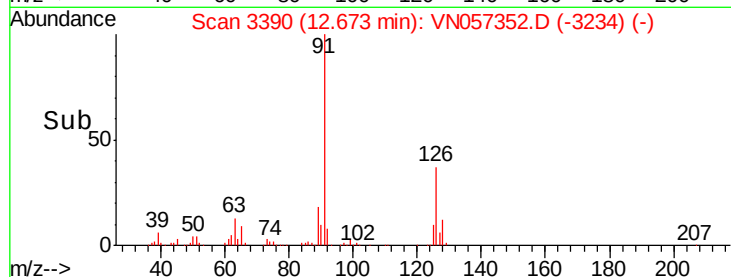
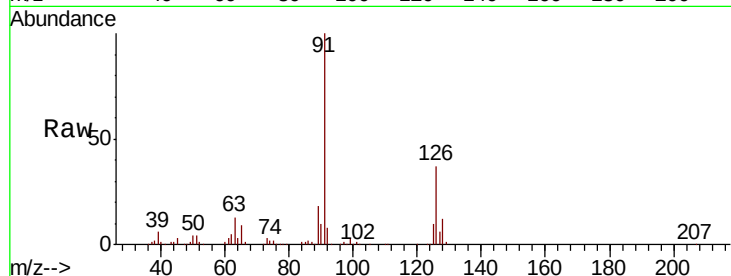
VSTDICV020

Tgt Ion: 91 Resp: 532329

Ion Ratio Lower Upper

91 100

126 36.8 0.0 69.8



#76

1,3,5-Trimethylbenzene

Concen: 20.470 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057352.D

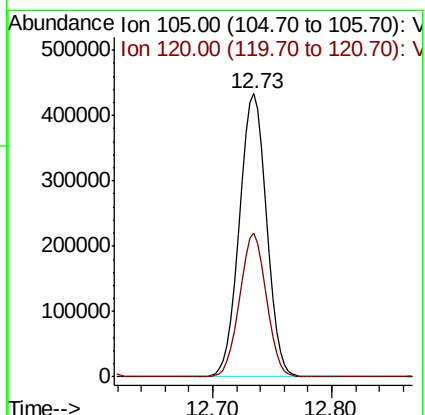
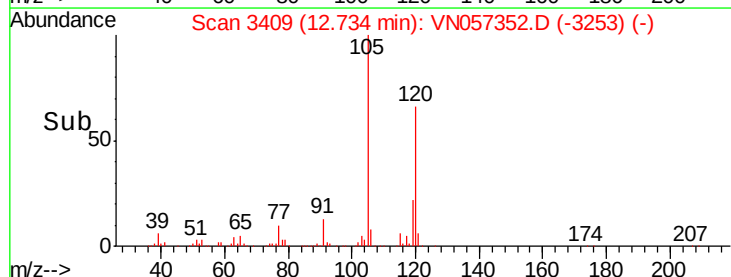
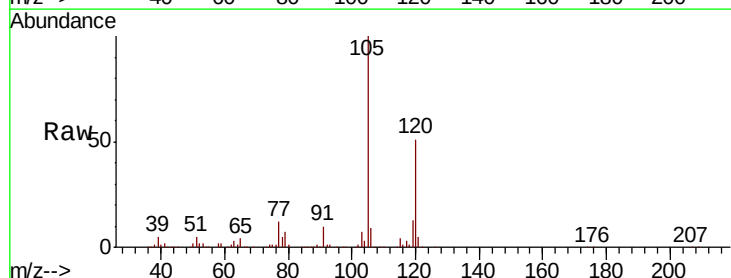
Acq: 16 Aug 2019 13:30

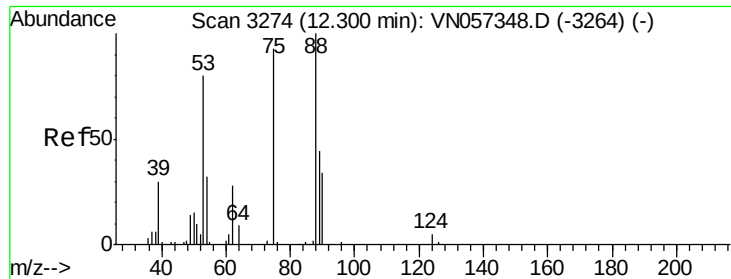
Tgt Ion: 105 Resp: 686620

Ion Ratio Lower Upper

105 100

120 49.8 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 19.970 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

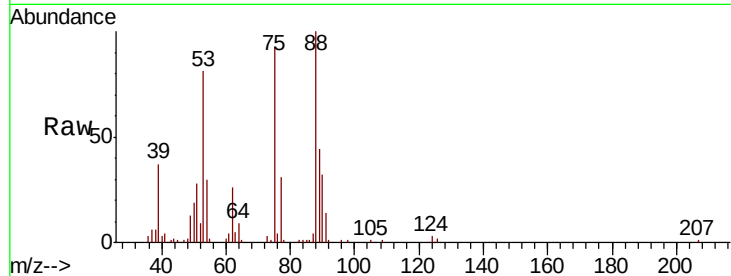
Tgt Ion: 75 Resp: 71443

Ion Ratio Lower Upper

75 100

53 87.2 48.6 145.8

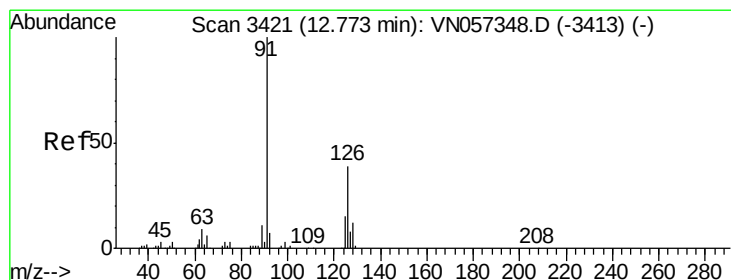
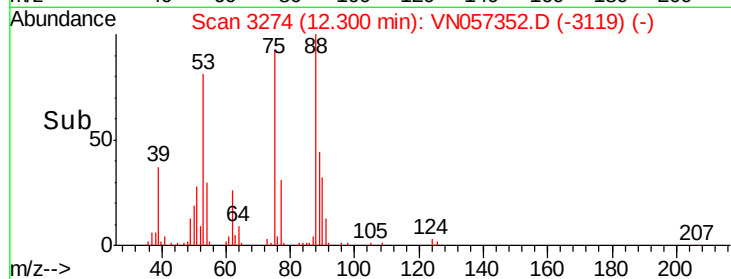
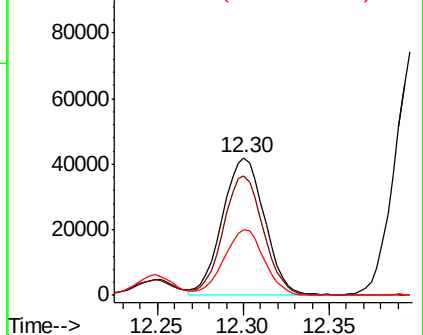
89 48.1 21.3 64.0



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: 20.130 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057352.D

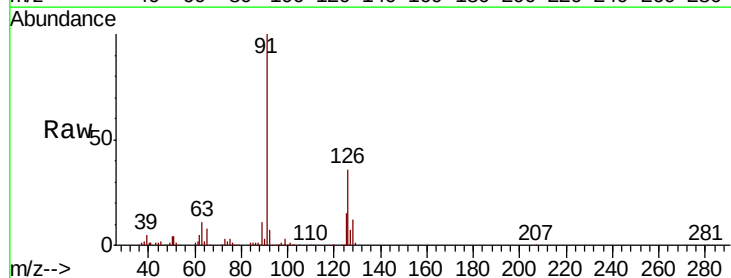
Acq: 16 Aug 2019 13:30

Tgt Ion: 91 Resp: 489623

Ion Ratio Lower Upper

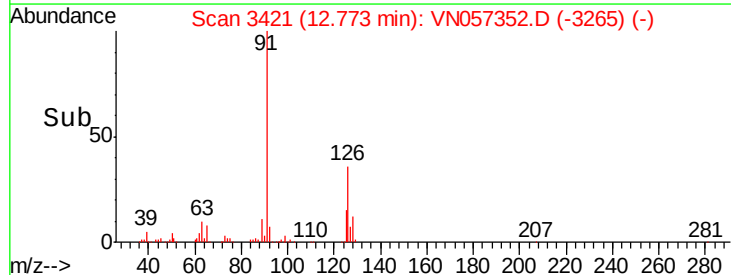
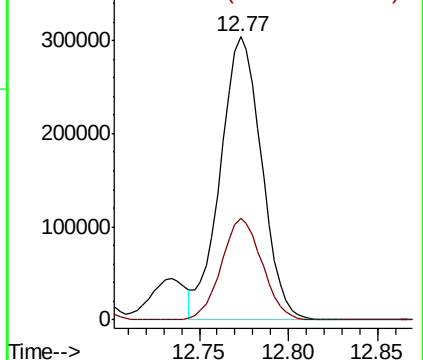
91 100

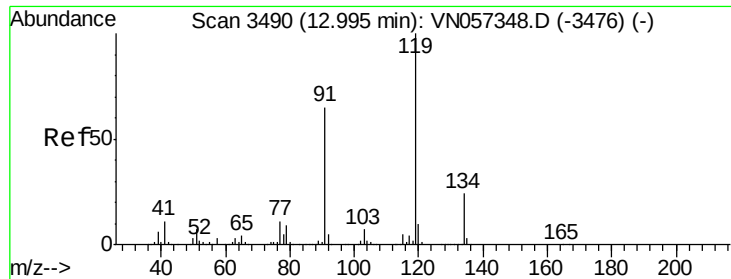
126 35.5 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

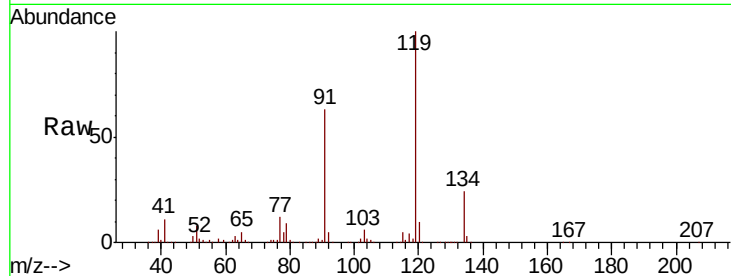




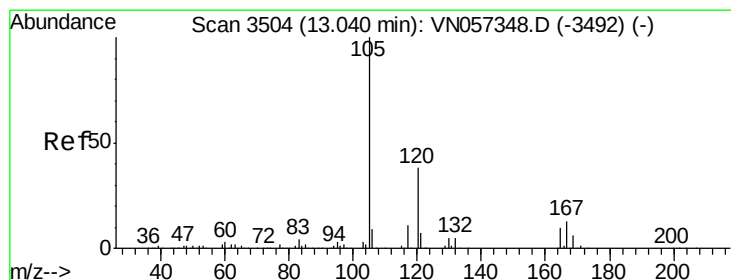
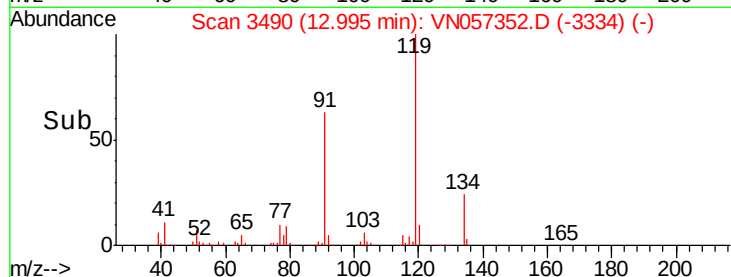
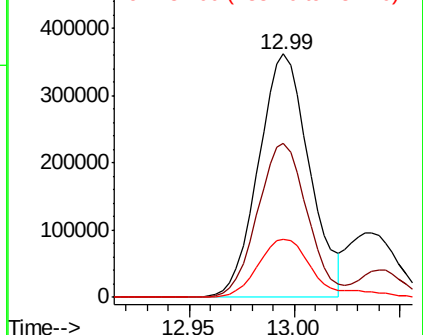
#79
 tert-butylbenzene
 Concen: 20.372 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

Tgt Ion:119 Resp: 608919
 Ion Ratio Lower Upper
 119 100
 91 62.1 0.0 125.4
 134 24.2 0.0 48.4

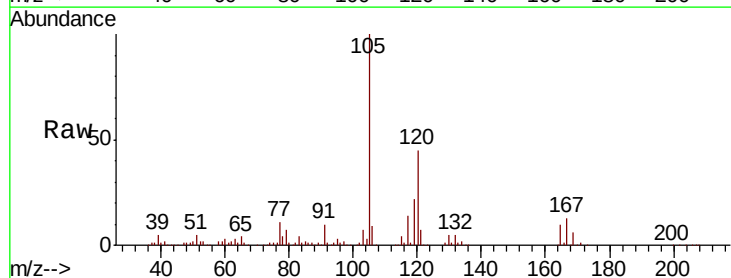


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

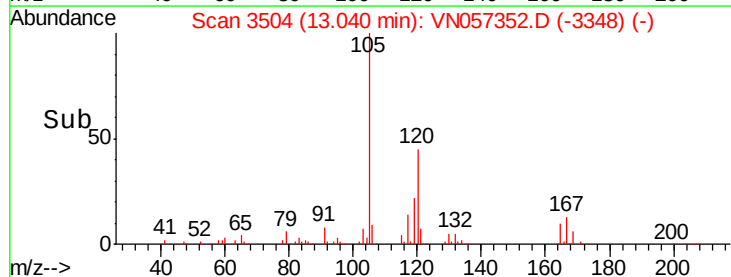
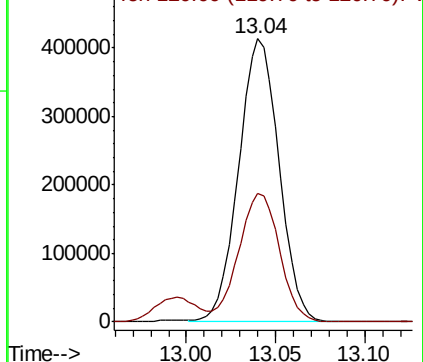


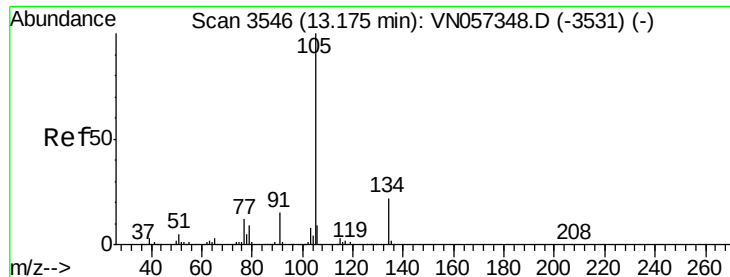
#80
 1,2,4-Trimethylbenzene
 Concen: 20.601 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion:105 Resp: 651784
 Ion Ratio Lower Upper
 105 100
 120 45.8 0.0 91.2



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





#81

sec-Butylbenzene

Concen: 19.848 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

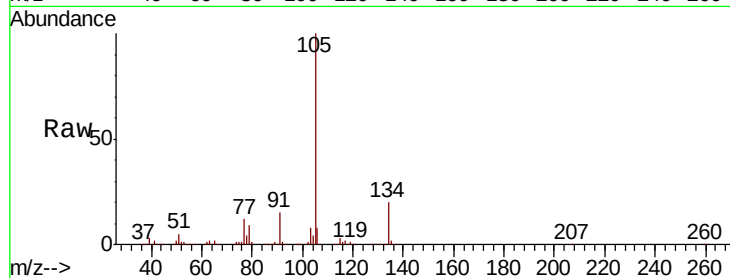
VSTDICV020

Tgt Ion:105 Resp: 731311

Ion Ratio Lower Upper

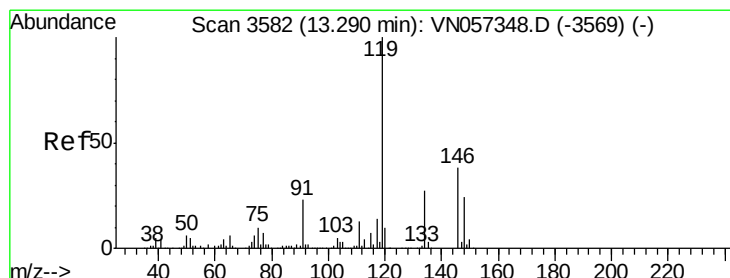
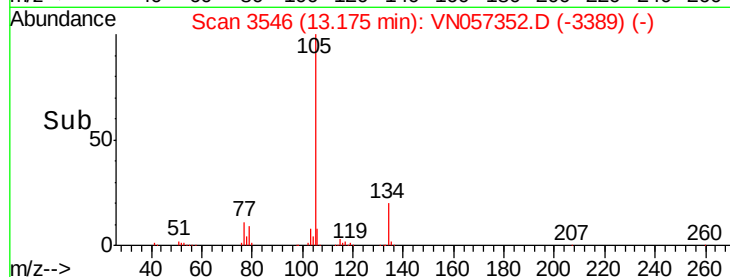
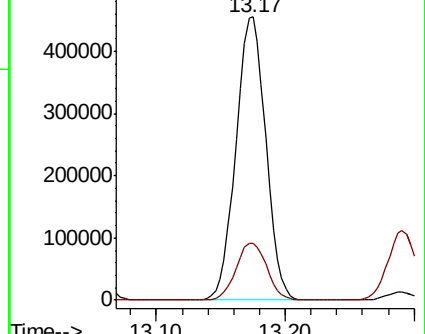
105 100

134 20.8 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.518 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

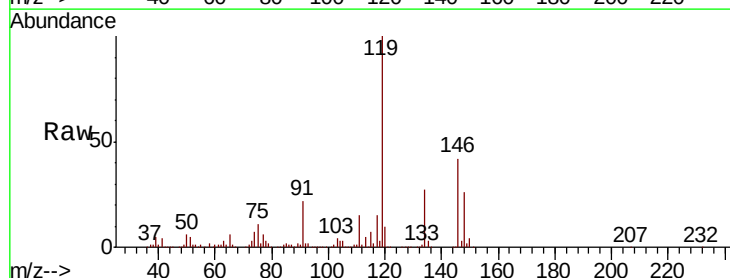
Tgt Ion:119 Resp: 644257

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.8

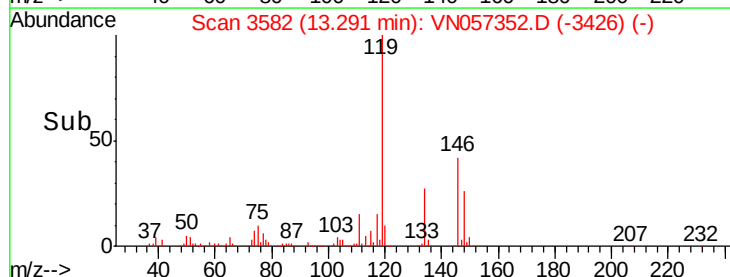
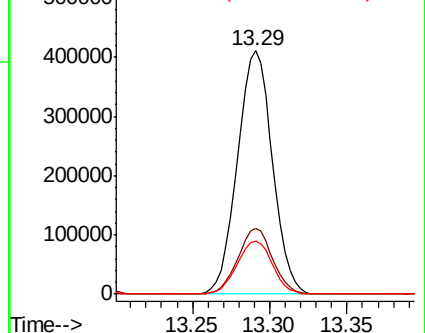
91 22.2 0.0 45.4

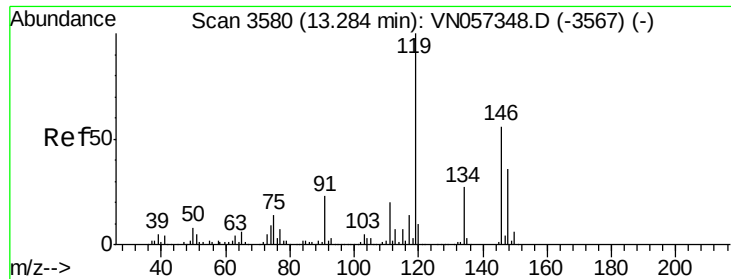


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

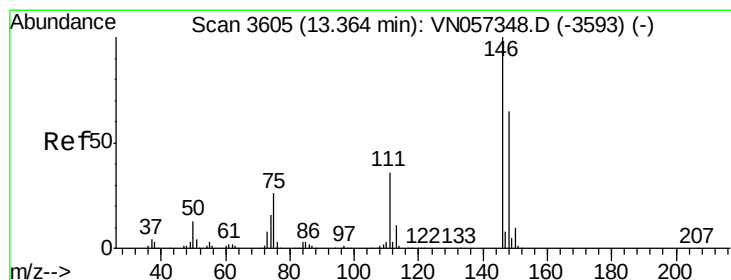
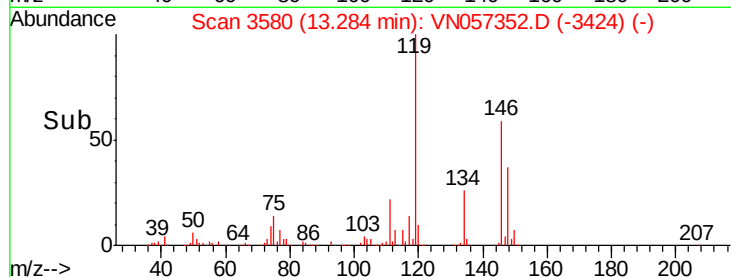
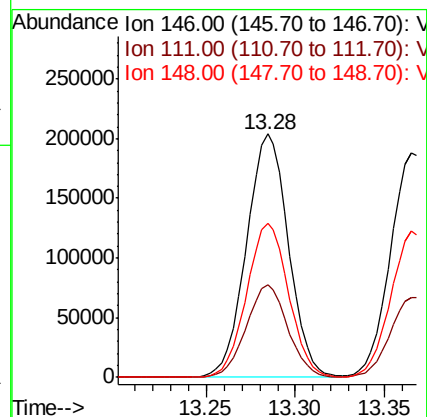
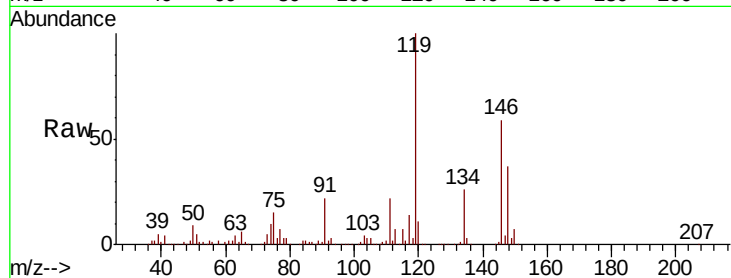




#83
 1,3-Dichlorobenzene
 Concen: 21.363 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

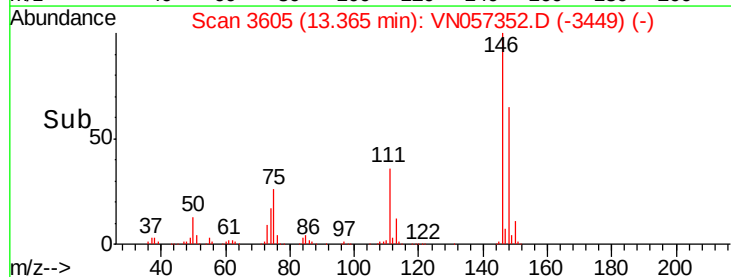
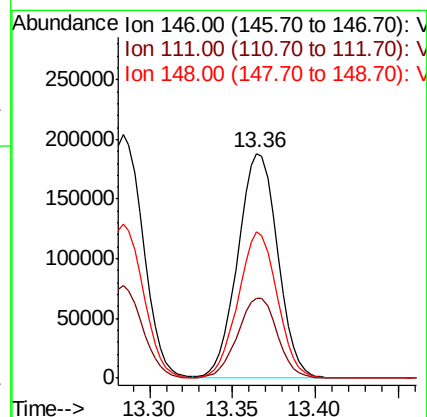
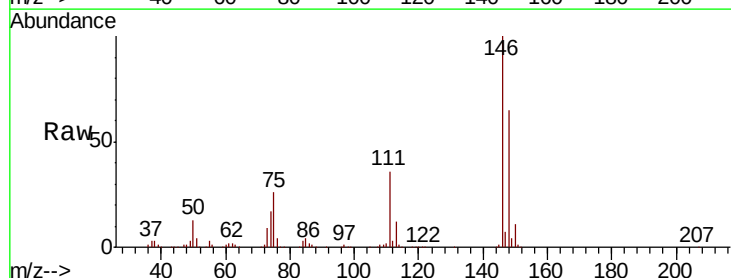
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

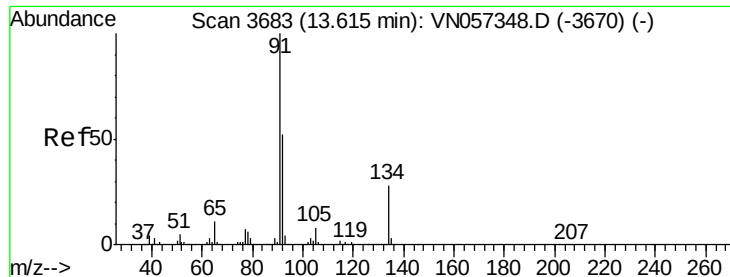
Tgt Ion:146 Resp: 334434
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.7 56.1
 148 63.1 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 21.550 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion:146 Resp: 314900
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.8 53.4
 148 64.2 31.9 95.5





#85

n-Butylbenzene

Concen: 21.028 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057352.D

Acq: 16 Aug 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDICV020

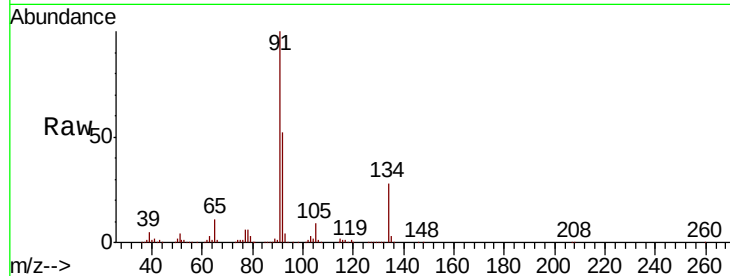
Tgt Ion: 91 Resp: 516118

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.0

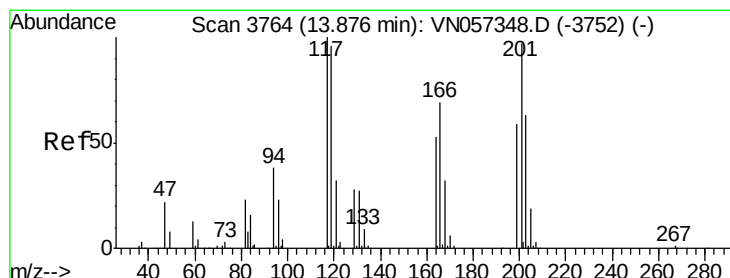
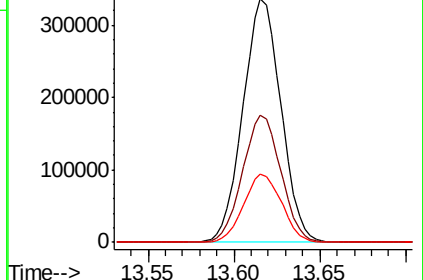
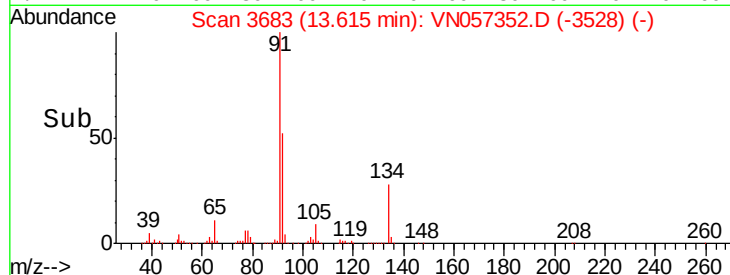
134 27.9 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057348.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057348.D (-3670) (-)



#86

Hexachloroethane

Concen: 19.716 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057352.D

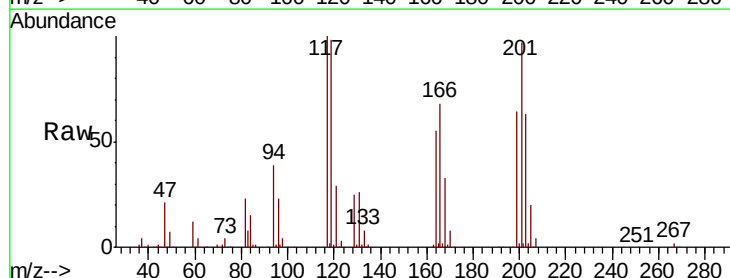
Acq: 16 Aug 2019 13:30

Tgt Ion: 117 Resp: 125258

Ion Ratio Lower Upper

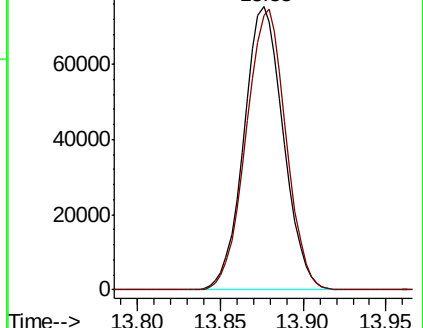
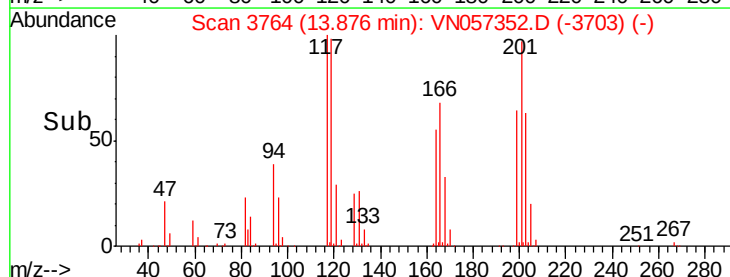
117 100

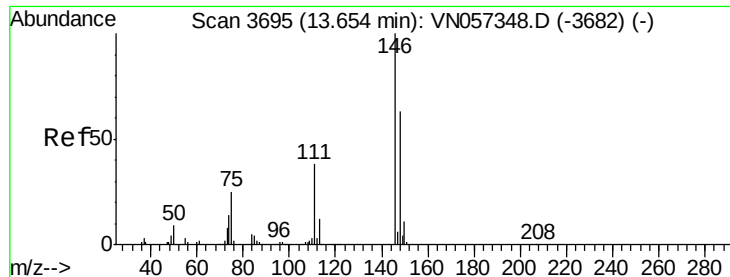
201 99.8 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN057348.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057348.D (-3752) (-)

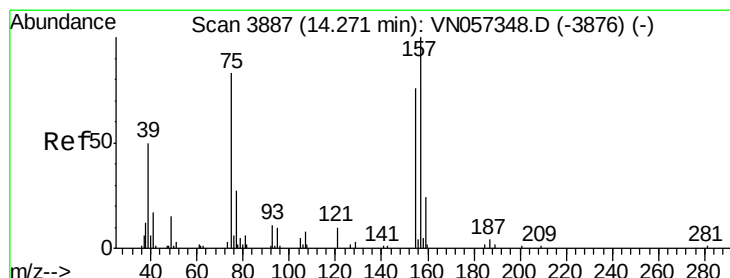
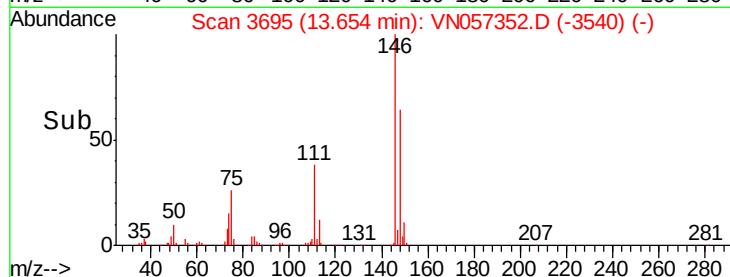
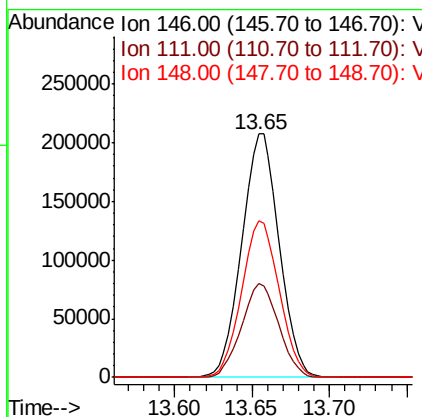
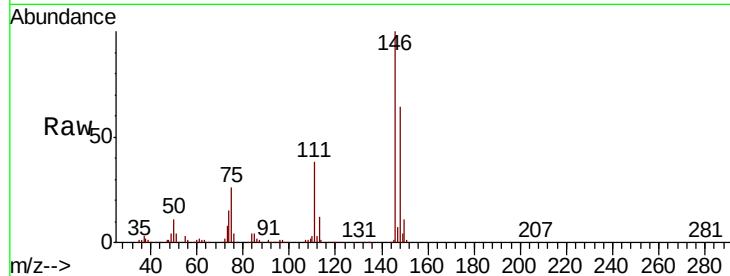




#87
 1,2-Dichlorobenzene
 Concen: 23.669 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

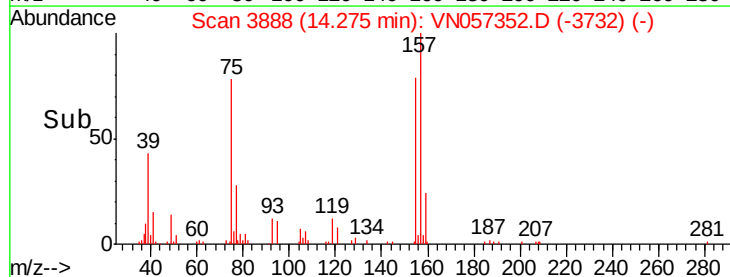
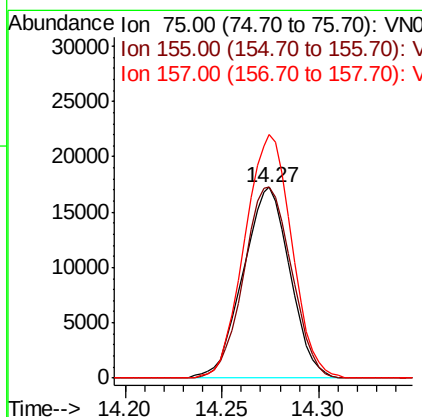
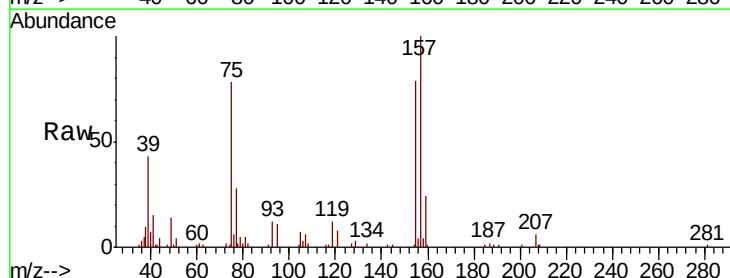
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICV020

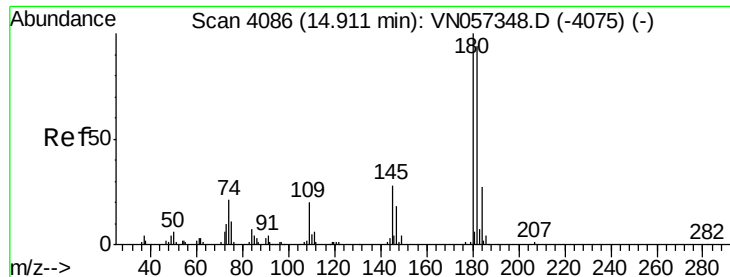
Tgt Ion:146 Resp: 350050
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.7 59.0
 148 64.4 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.655 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion: 75 Resp: 29104
 Ion Ratio Lower Upper
 75 100
 155 101.9 78.6 117.8
 157 128.2 99.3 148.9

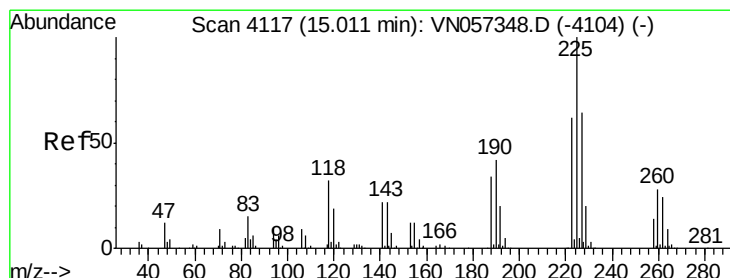
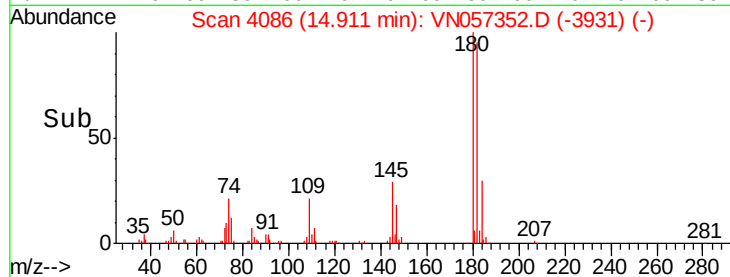
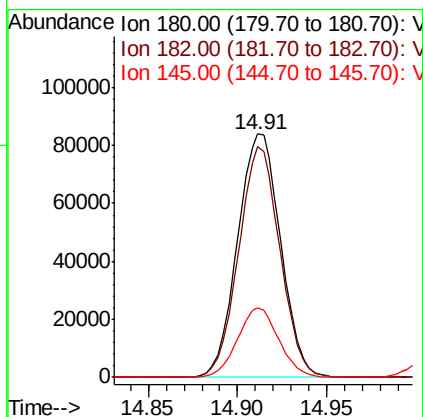
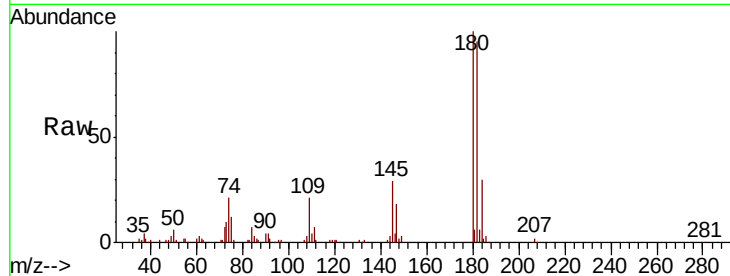




#89
 1,2,4-Trichlorobenzene
 Concen: 27.007 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

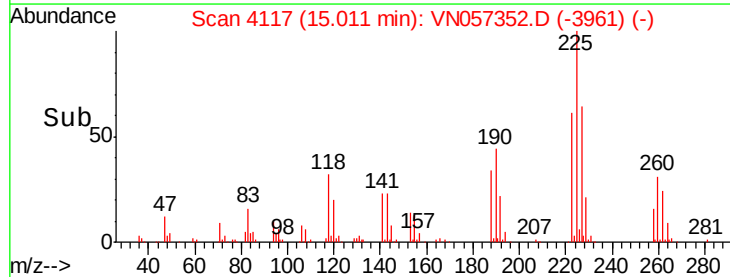
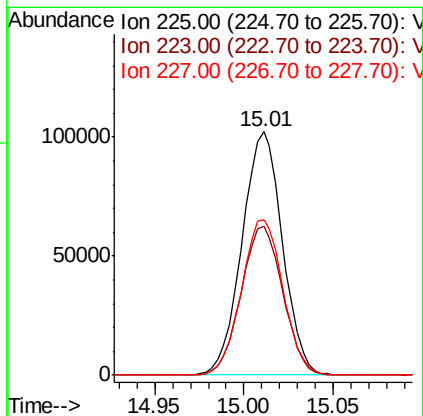
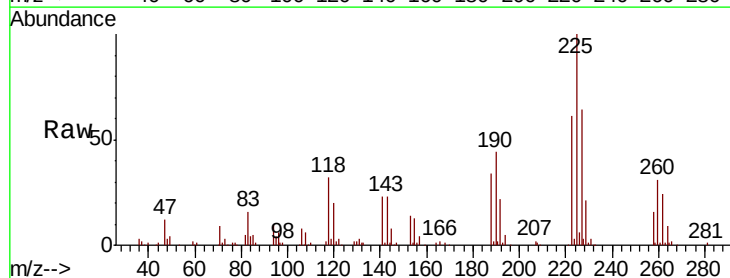
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICV020

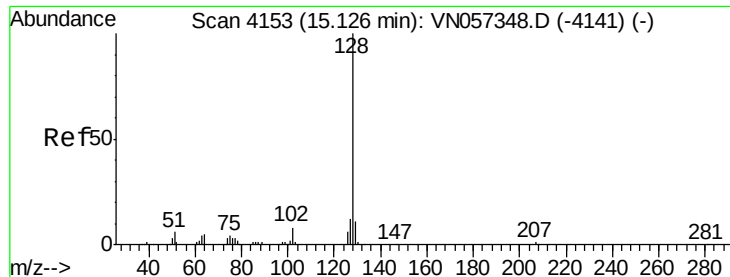
Tgt Ion:180 Resp: 141323
 Ion Ratio Lower Upper
 180 100
 182 91.0 78.2 117.4
 145 27.5 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 24.222 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057352.D
 Acq: 16 Aug 2019 13:30

Tgt Ion:225 Resp: 161751
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 124.6
 227 65.6 0.0 128.6

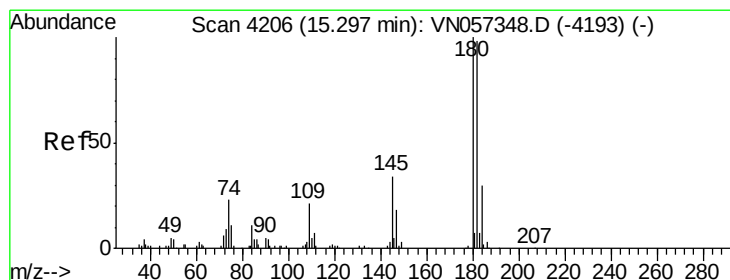
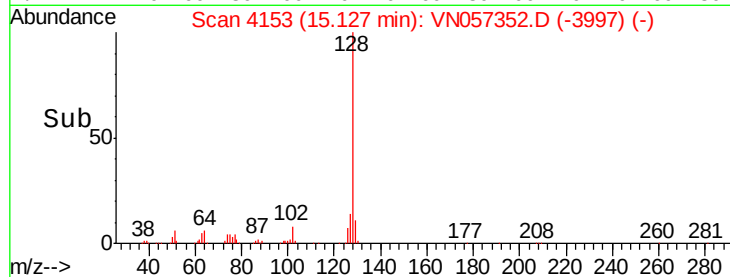
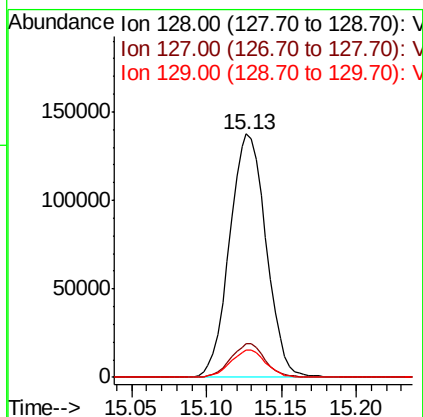
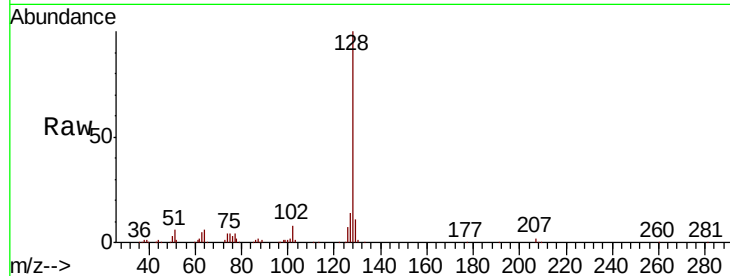




#91
Naphthalene
Concen: 20.624 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDICV020

Tgt Ion:128 Resp: 233254
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 27.012 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057352.D
Acq: 16 Aug 2019 13:30

Tgt Ion:180 Resp: 134019
Ion Ratio Lower Upper
180 100
182 95.6 0.0 192.4
145 30.0 0.0 60.4

