

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056587.D
 Acq On : 3 Jul 2019 15:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 03 22:22:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	52266	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	289769	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	248634	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	108097	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	113891	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	352127	30.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	53087	20.254 ug/l	99
3) Chloromethane	2.06	50	69680	18.317 ug/l	100
4) Vinyl Chloride	2.18	62	70430	19.671 ug/l	98
5) Bromomethane	2.54	94	40362	21.129 ug/l	97
6) Chloroethane	2.69	64	37957	19.144 ug/l	96
7) Trichlorofluoromethane	3.01	101	90323	19.654 ug/l	98
8) Diethyl Ether	3.41	74	37405	19.188 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	56870	19.530 ug/l	95
10) 1,1-Dichloroethene	3.73	96	54395	19.039 ug/l	91
11) Methyl Iodide	3.95	142	75867	18.570 ug/l	99
12) Methyl Acetate	4.32	43	71444	18.542 ug/l	94
13) Acrolein	3.60	56	30188	80.247 ug/l	99
14) Acrylonitrile	4.99	53	157198	92.919 ug/l	99
15) Acetone	3.81	58	41681	88.301 ug/l	92
16) Carbon Disulfide	4.05	76	128605	18.720 ug/l	99
17) Allyl chloride	4.32	41	92515	18.504 ug/l	96
18) Methylene Chloride	4.55	84	64845	19.197 ug/l	93
19) trans-1,2-Dichloroethene	5.04	96	59338	19.149 ug/l	90
20) Diisopropyl ether	5.95	45	200005	19.363 ug/l	98
21) 1,1-Dichloroethane	5.85	63	110367	18.941 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	70114	19.241 ug/l	95
23) tert-Butyl Alcohol	4.79	59	58825	92.953 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	180665	19.119 ug/l	99
25) Chloroform	7.37	83	109745	19.215 ug/l	98
26) Cyclohexane	7.65	56	104136	19.403 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	82683	19.323 ug/l	97
30) 2-Butanone	6.84	43	209640	88.376 ug/l	98
31) 2,2-Dichloropropane	6.82	77	69753	16.954 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	87207	19.118 ug/l	99
33) Carbon Tetrachloride	7.77	117	71916	18.597 ug/l	99
34) Benzene	8.04	78	257867	19.272 ug/l	100
35) Methacrylonitrile	7.17	41	36674	17.409 ug/l	97
36) 1,2-Dichloroethane	8.12	62	83167	19.124 ug/l	97
37) Trichloroethene	8.83	130	67689	19.397 ug/l	96
38) Methylcyclohexane	9.08	83	103107	19.228 ug/l	99
39) 1,2-Dichloropropane	9.12	63	68891	19.126 ug/l	95
40) Dibromomethane	9.21	93	42514	19.094 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76849	18.623	ug/l	99
42) Vinyl Acetate	5.89	43	801135	94.849	ug/l	97
43) Ethyl Acetate	6.93	43	80676	17.581	ug/l	96
44) Isopropyl Acetate	8.16	43	130998	18.298	ug/l	# 86
45) 1,4-Dioxane	9.20	88	27429	391.557	ug/l	93
46) Methyl methacrylate	9.20	41	64350	18.293	ug/l	98
47) n-amyl Acetate	12.07	43	106964	17.975	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	79697	18.020	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	94693	18.563	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63436	19.340	ug/l	99
51) Ethyl methacrylate	10.43	69	95954	18.574	ug/l	97
52) 1,3-Dichloropropane	10.71	76	106673	19.139	ug/l	100
53) Dibromochloromethane	10.90	129	58494	18.195	ug/l	98
54) 1,2-Dibromoethane	11.00	107	64479	18.866	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	242473	92.112	ug/l	98
56) Bromoform	12.13	173	39735	17.010	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	425653	95.216	ug/l	97
59) 2-Hexanone	10.75	43	301815	90.984	ug/l	98
61) Tetrachloroethene	10.63	164	62650	20.076	ug/l	98
62) Toluene	10.15	91	272862	19.664	ug/l	100
64) Chlorobenzene	11.43	112	162656	19.456	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58064	19.285	ug/l	100
66) Ethyl Benzene	11.51	91	289856	19.265	ug/l	99
67) m/p-Xylenes	11.62	106	219792	39.584	ug/l	95
68) o-Xylene	11.95	106	106869	19.462	ug/l	95
69) Styrene	11.96	104	176949	19.368	ug/l	98
70) Isopropylbenzene	12.25	105	282419	19.712	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89591	18.914	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	102868	25.825	ug/l	70
73) Bromobenzene	12.53	156	70742	19.145	ug/l	91
74) n-propylbenzene	12.59	91	314705	19.361	ug/l	98
75) 2-Chlorotoluene	12.67	91	190996	19.650	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	242582	19.995	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	20599	16.145	ug/l	93
78) 4-Chlorotoluene	12.77	91	181533	19.204	ug/l	98
79) tert-butylbenzene	12.99	119	201113	19.402	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	235423	19.647	ug/l	98
81) sec-Butylbenzene	13.17	105	269022	19.571	ug/l	98
82) p-Isopropyltoluene	13.29	119	242553	19.626	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119516	19.477	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113292	19.139	ug/l	99
85) n-Butylbenzene	13.61	91	194322	18.710	ug/l	97
86) Hexachloroethane	13.87	117	34300	18.406	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	120278	19.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14355	16.913	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	61614	17.889	ug/l	97
90) Hexachlorobutadiene	15.01	225	41021	19.169	ug/l	99
91) Naphthalene	15.13	128	163003	16.864	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	64760	17.911	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

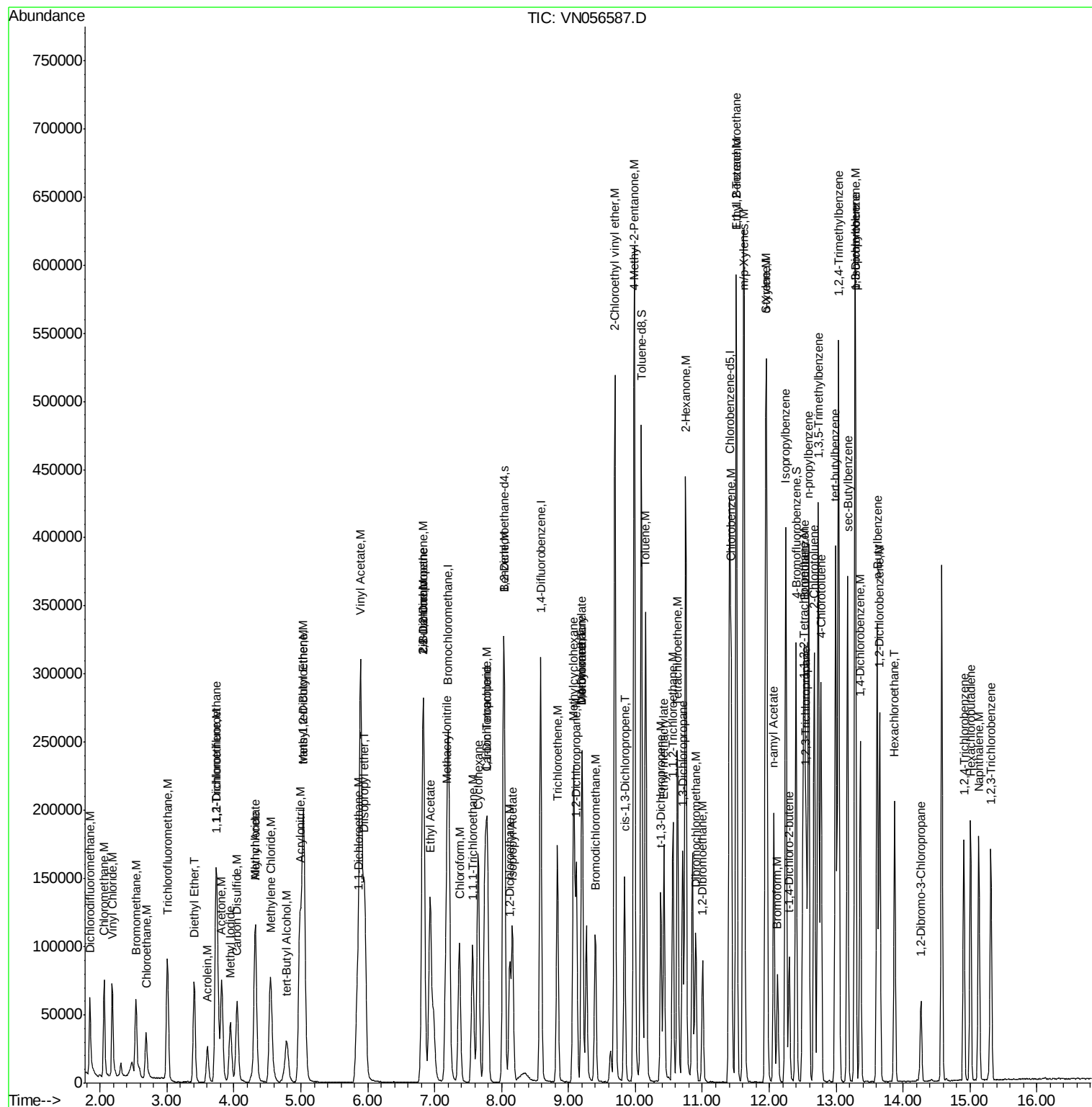
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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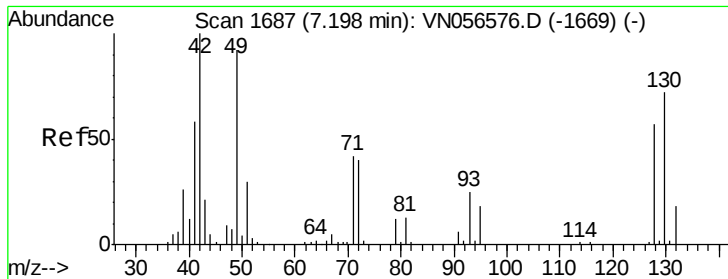
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jul 03 22:22:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 11:05:14 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

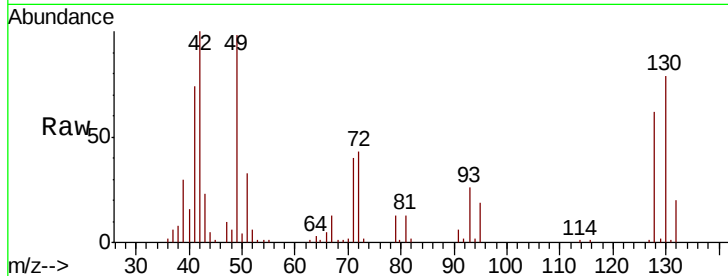
Tot Ion:128 Resp: 52266

Ion Ratio Lower Upper

128 100

49 159.5 0.0 355.8

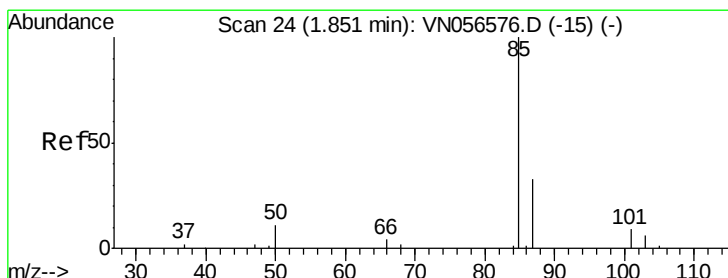
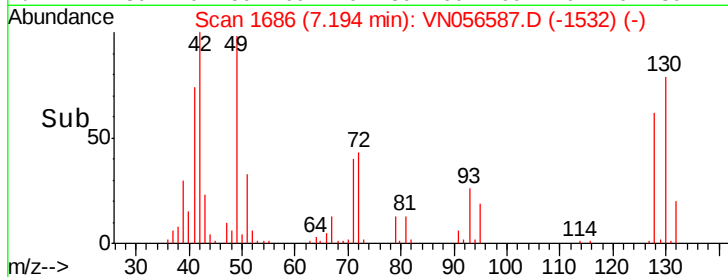
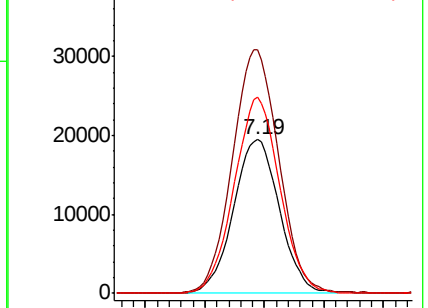
130 126.4 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.254 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056587.D

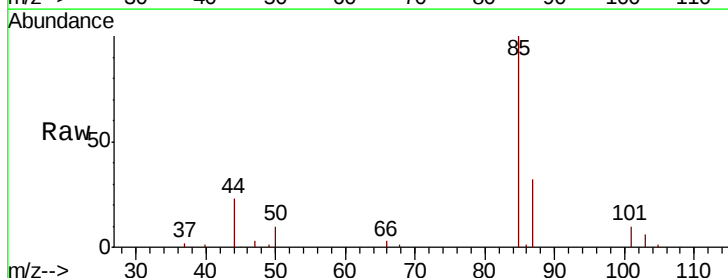
Acq: 3 Jul 2019 15:17

Tgt Ion: 85 Resp: 53087

Ion Ratio Lower Upper

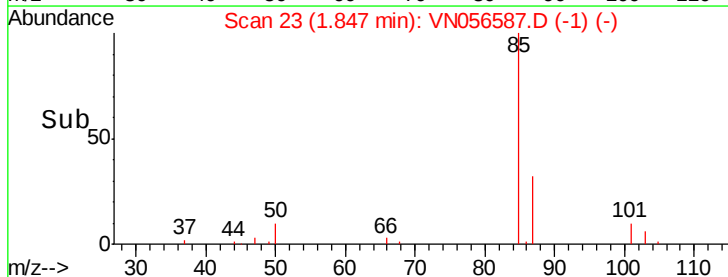
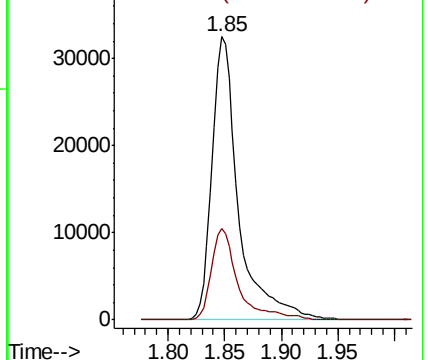
85 100

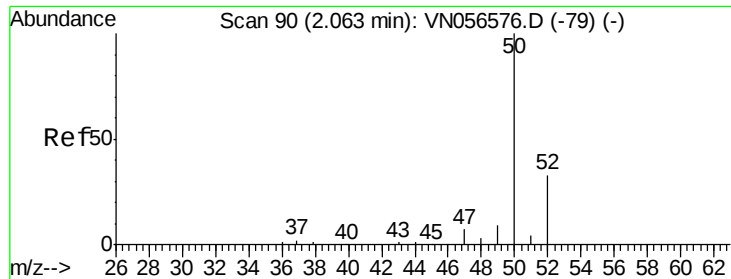
87 32.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.317 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

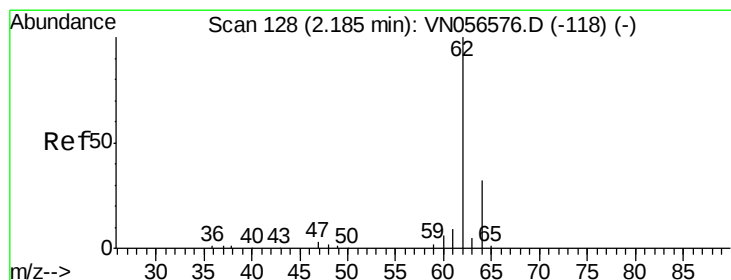
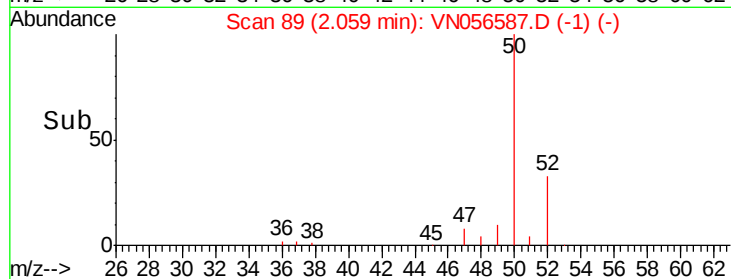
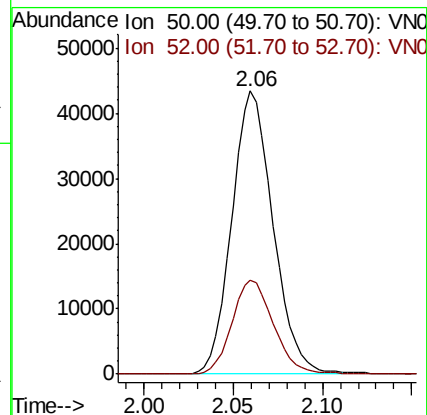
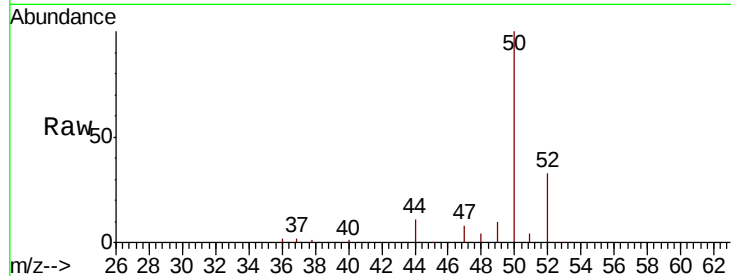
VSTDCCC020EC

Tot Ion: 50 Resp: 69680

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 19.671 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056587.D

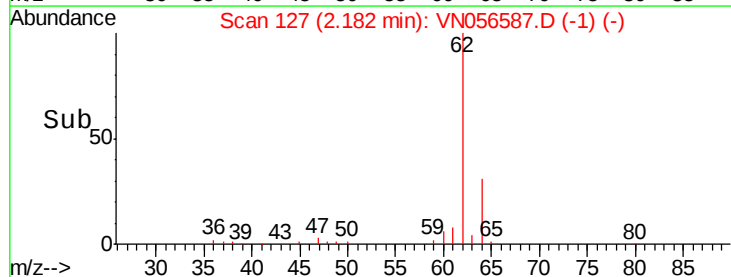
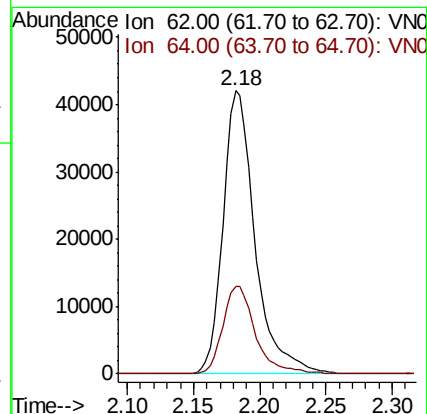
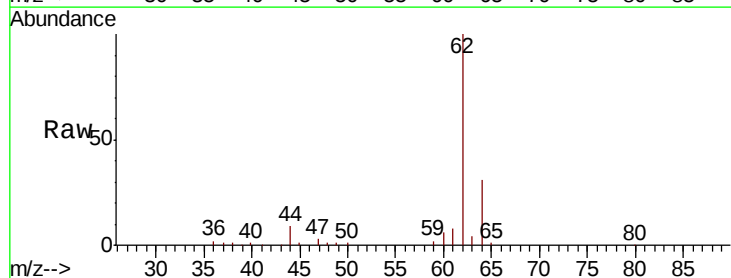
Acq: 3 Jul 2019 15:17

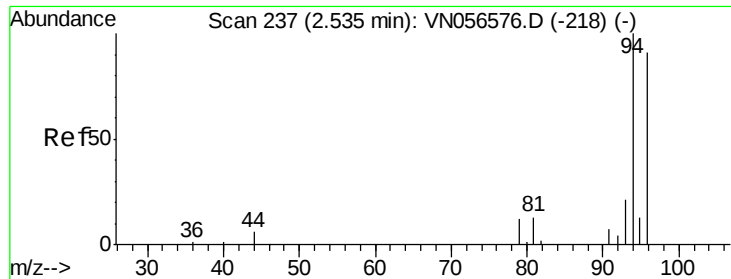
Tgt Ion: 62 Resp: 70430

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8

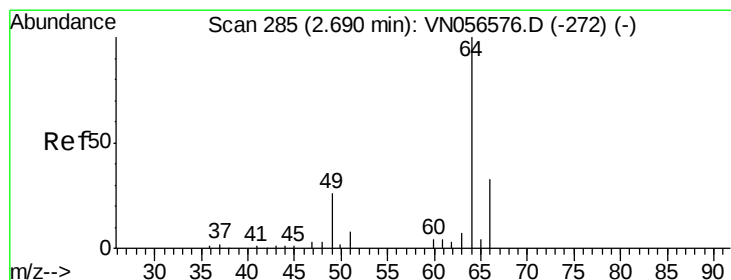
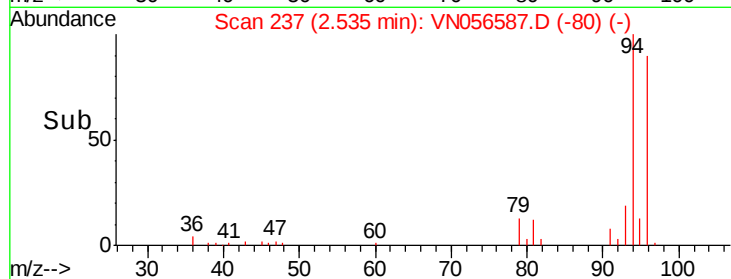
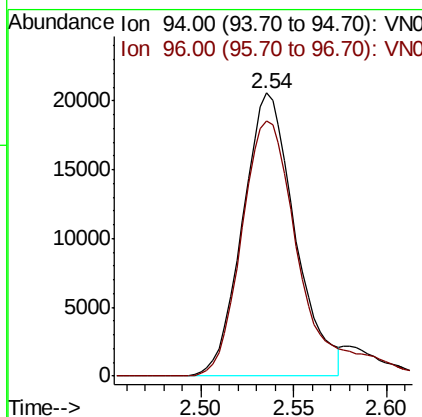
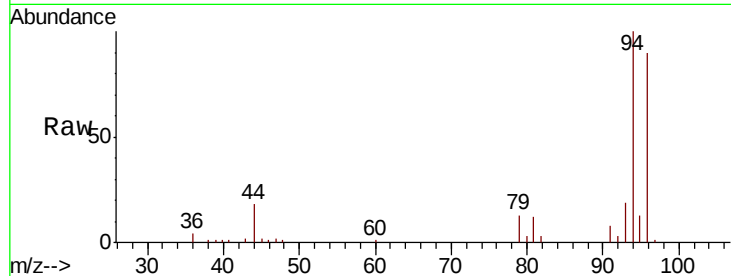




#5
Bromomethane
Concen: 21.129 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.01 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

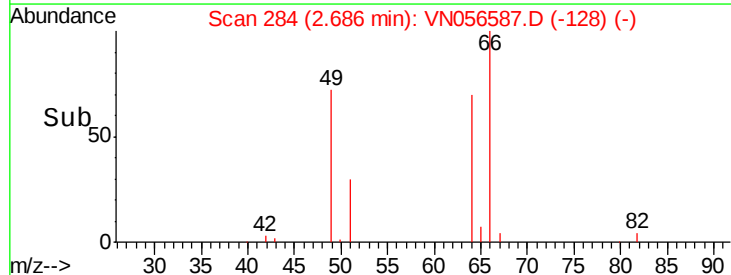
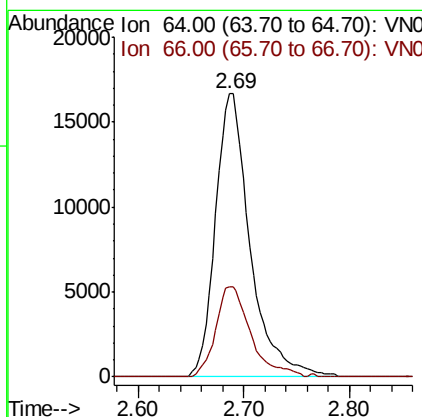
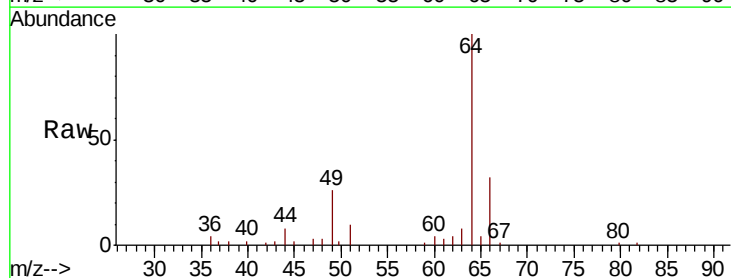
Instrument :
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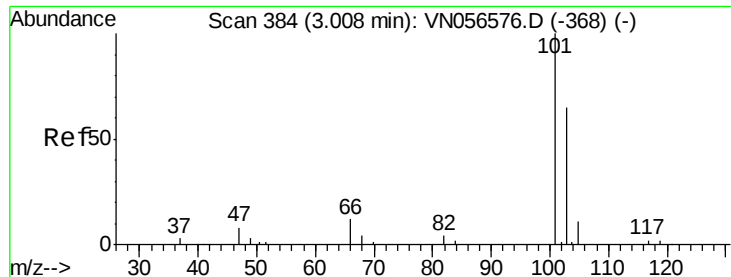
Tot Ion: 94 Resp: 40362
Ion Ratio Lower Upper
94 100
96 90.2 74.1 111.1



#6
Chloroethane
Concen: 19.144 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 64 Resp: 37957
Ion Ratio Lower Upper
64 100
66 32.0 23.7 35.5



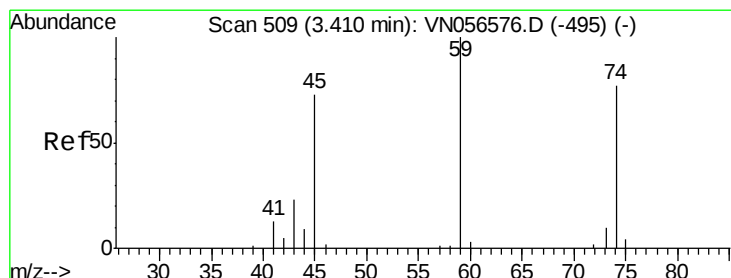
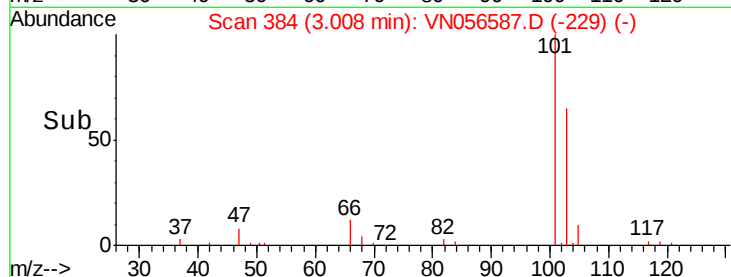
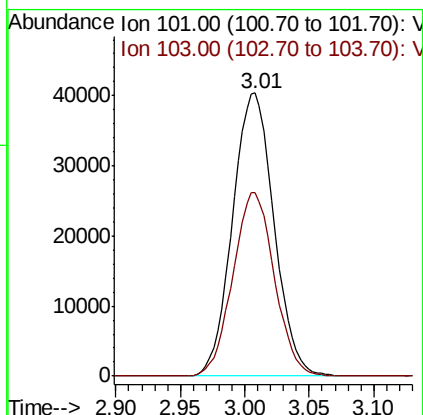
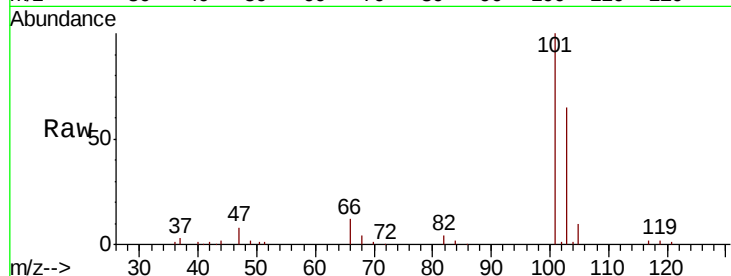


#7

Trichlorofluoromethane
Concen: 19.654 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
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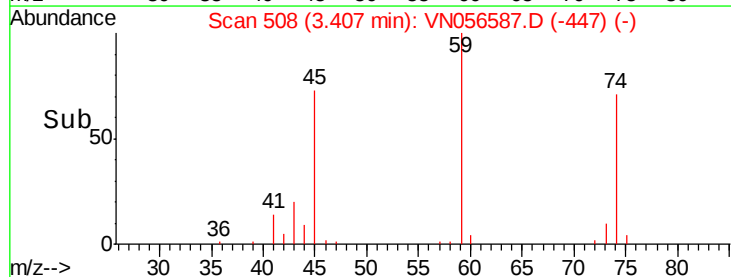
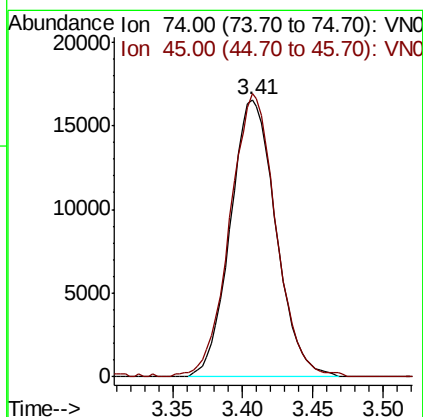
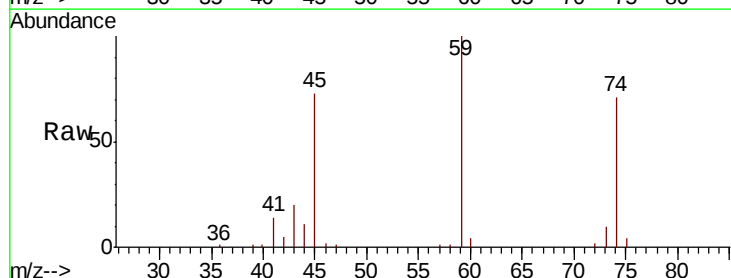
Tot Ion:101 Resp: 90323
Ion Ratio Lower Upper
101 100
103 64.7 53.4 80.0

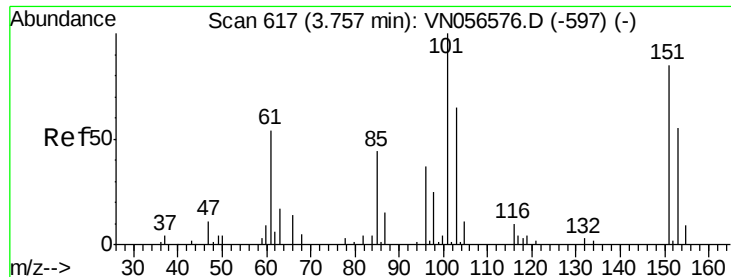


#8

Diethyl Ether
Concen: 19.188 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 74 Resp: 37405
Ion Ratio Lower Upper
74 100
45 103.3 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.530 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

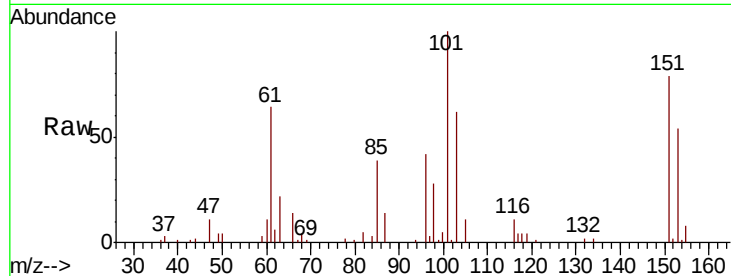
Tot Ion:101 Resp: 56870

Ion Ratio Lower Upper

101 100

85 41.3 0.0 82.0

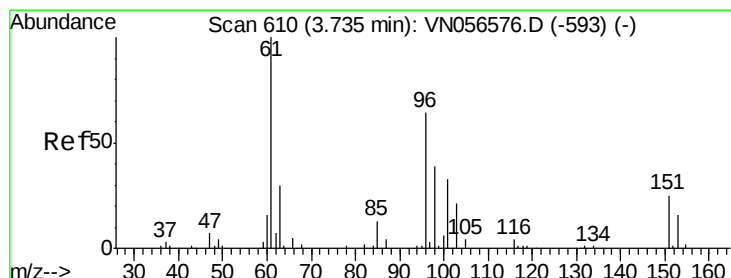
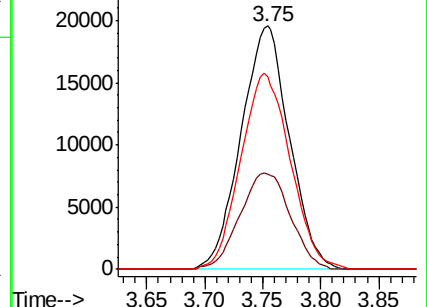
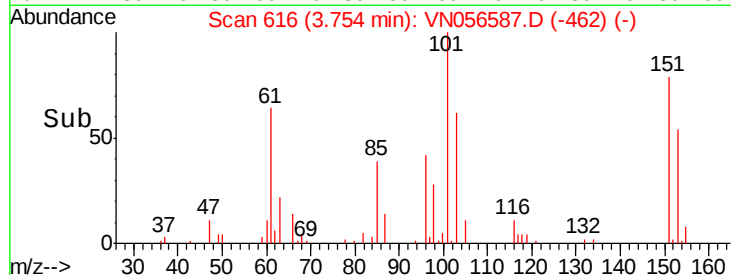
151 82.5 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.039 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

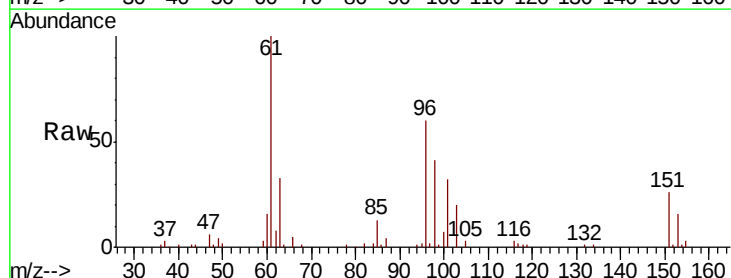
Tgt Ion: 96 Resp: 54395

Ion Ratio Lower Upper

96 100

61 164.7 119.7 179.5

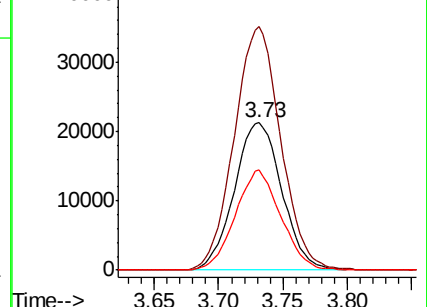
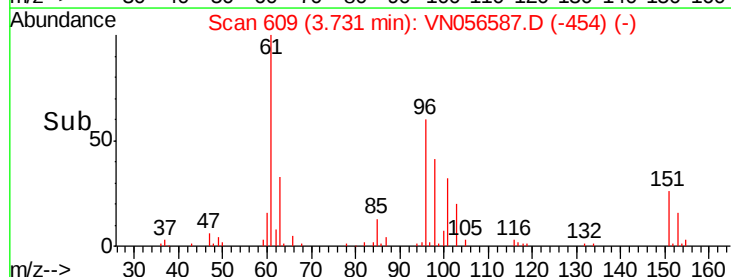
98 67.8 52.3 78.5

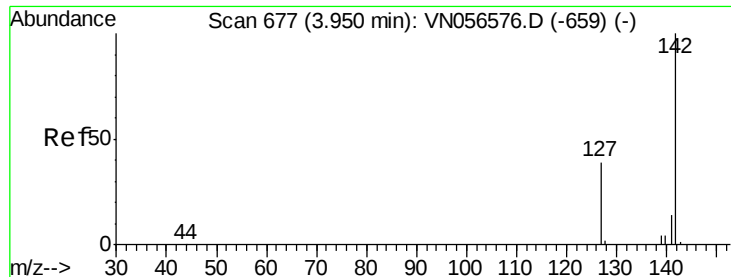


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

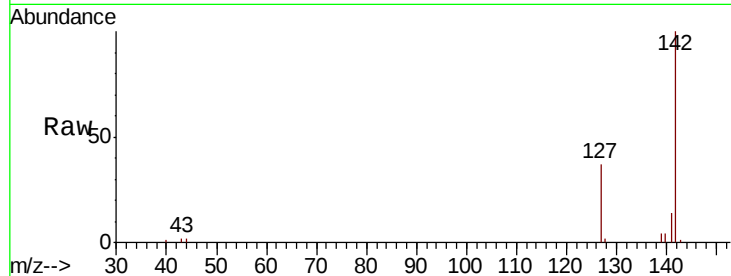




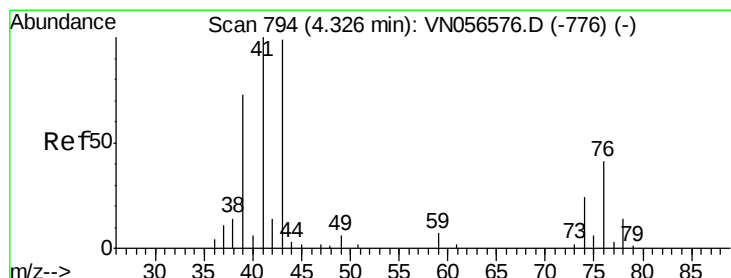
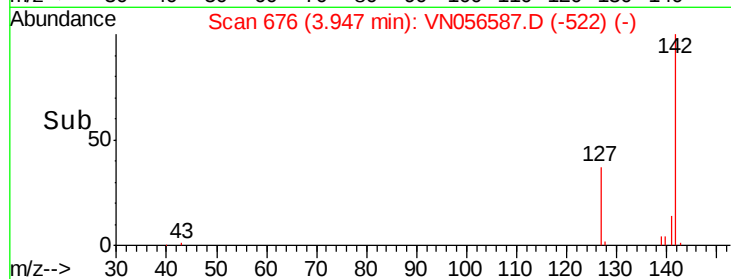
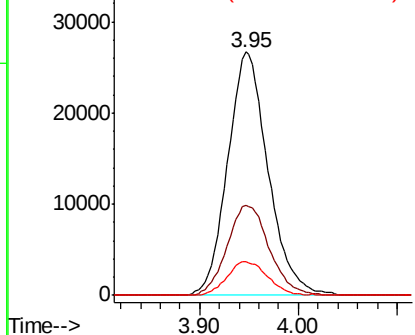
#11
Methyl Iodide
Concen: 18.570 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 75867
Ion Ratio Lower Upper
142 100
127 37.0 19.0 57.0
141 13.6 6.7 20.0

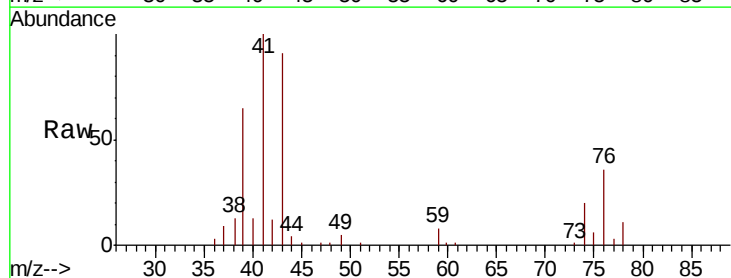


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

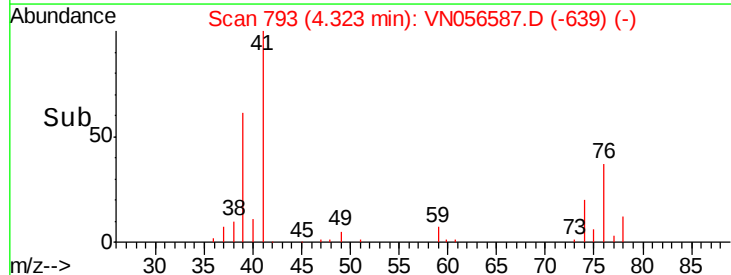
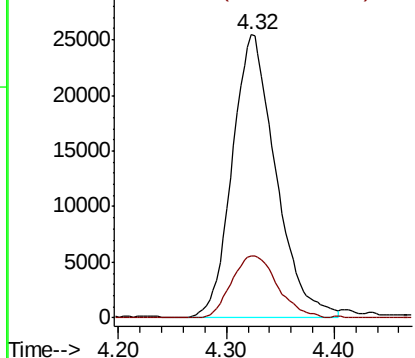


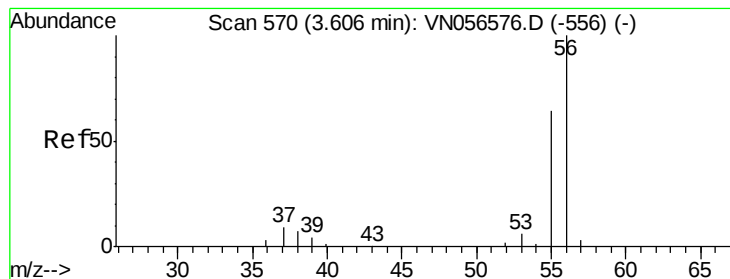
#12
Methyl Acetate
Concen: 18.542 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 71444
Ion Ratio Lower Upper
43 100
74 21.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 80.247 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

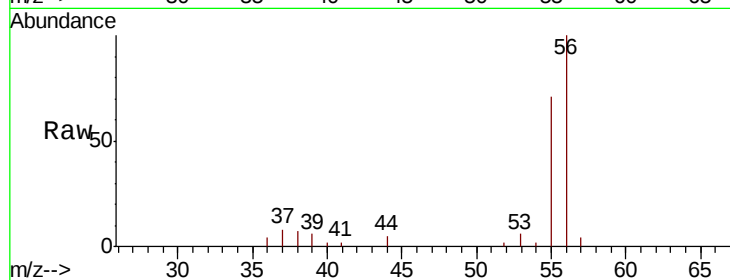
VSTDCCC020EC

Tot Ion: 56 Resp: 30188

Ion Ratio Lower Upper

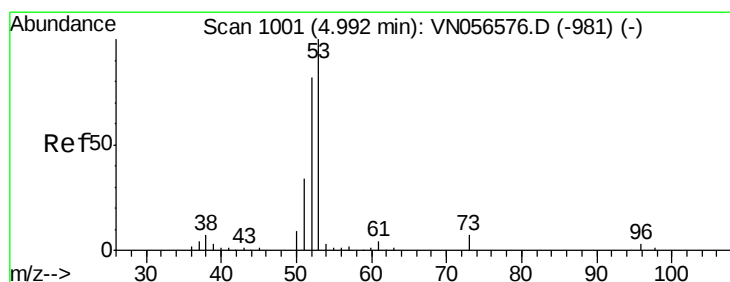
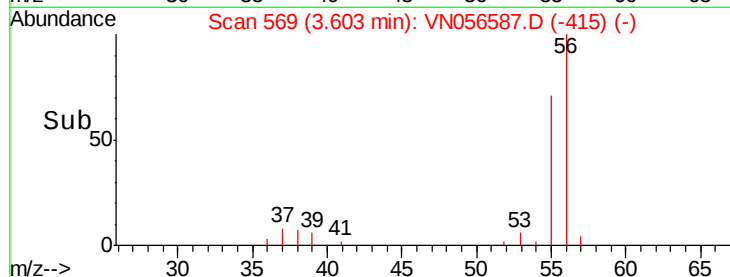
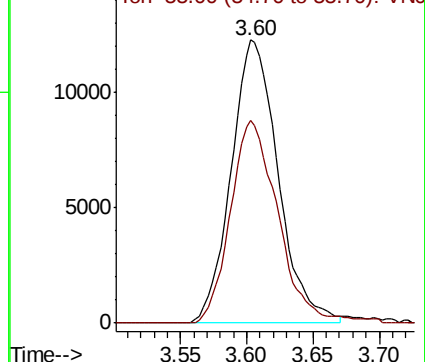
56 100

55 71.3 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.919 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

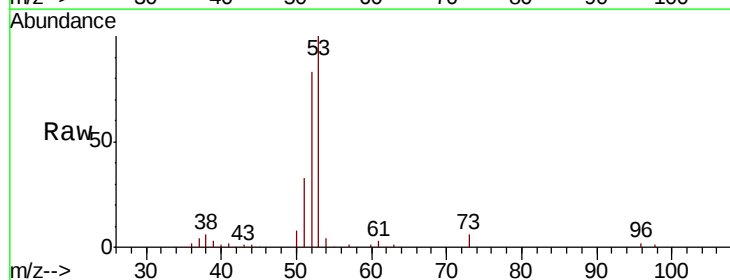
Tgt Ion: 53 Resp: 157198

Ion Ratio Lower Upper

53 100

52 82.7 40.8 122.2

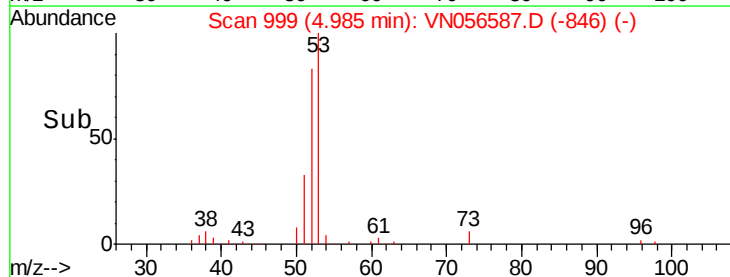
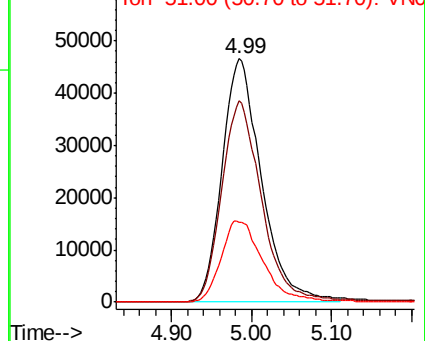
51 35.3 17.3 52.0

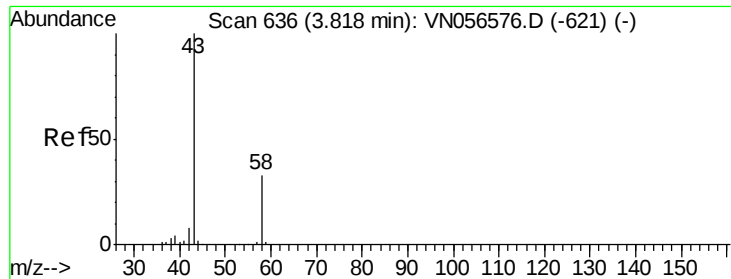


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 88.301 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

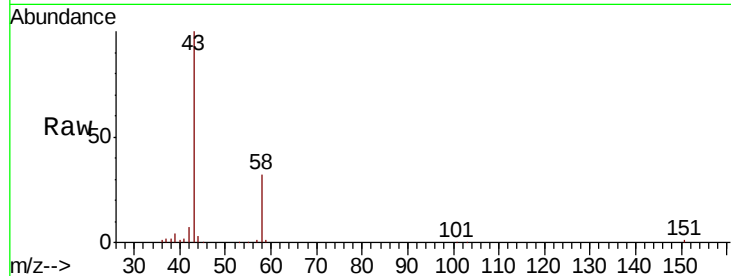
VSTDCCC020EC

Tot Ion: 58 Resp: 41681

Ion Ratio Lower Upper

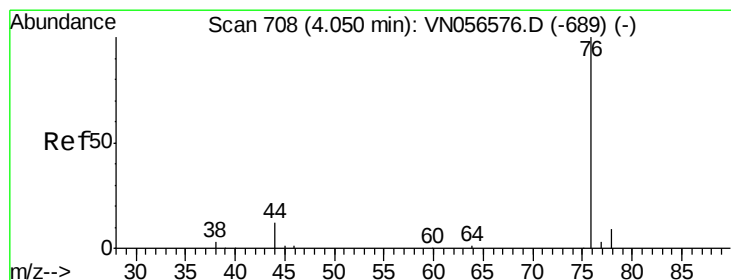
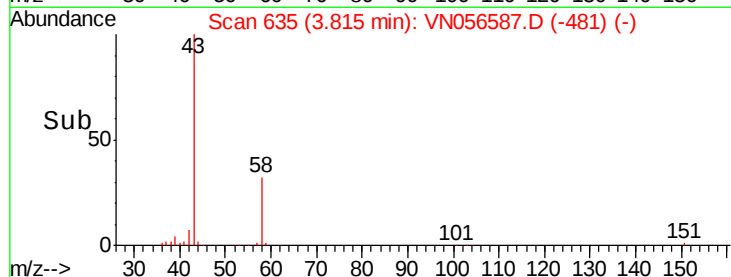
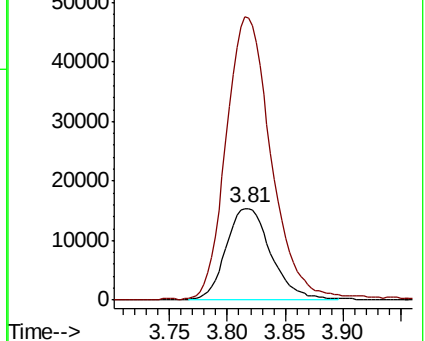
58 100

43 306.4 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.720 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056587.D

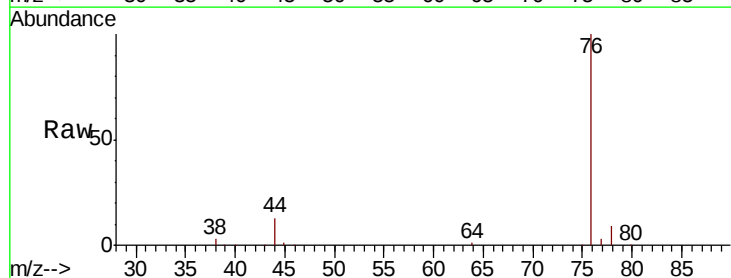
Acq: 3 Jul 2019 15:17

Tgt Ion: 76 Resp: 128605

Ion Ratio Lower Upper

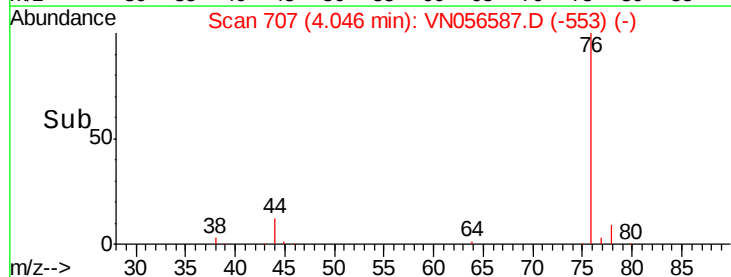
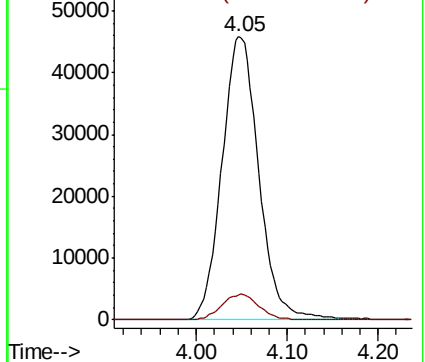
76 100

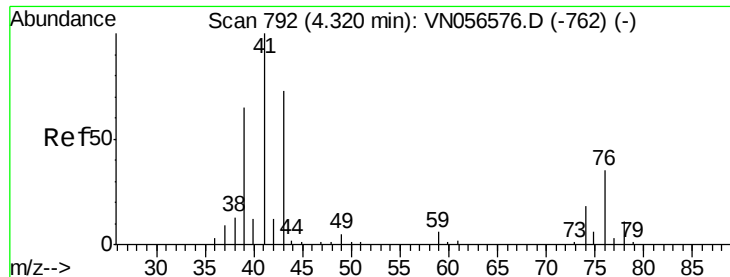
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

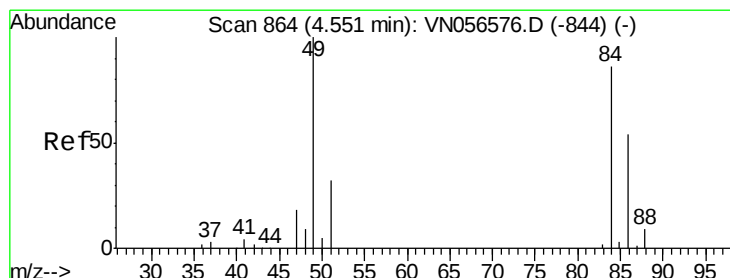
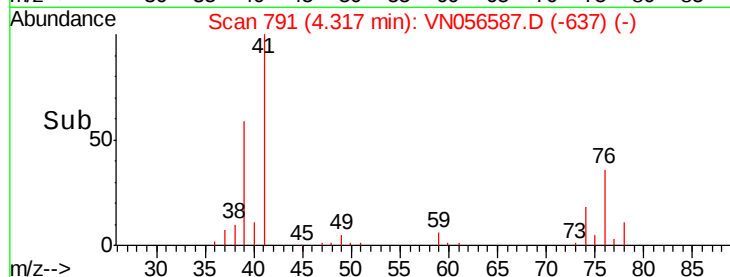
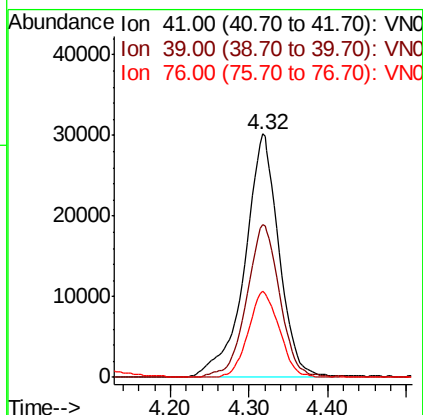
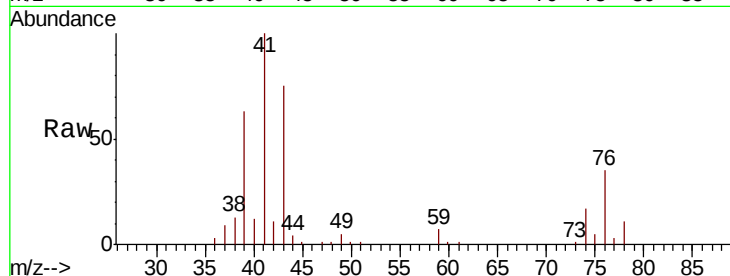




#17
Allvl chloride
Concen: 18.504 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

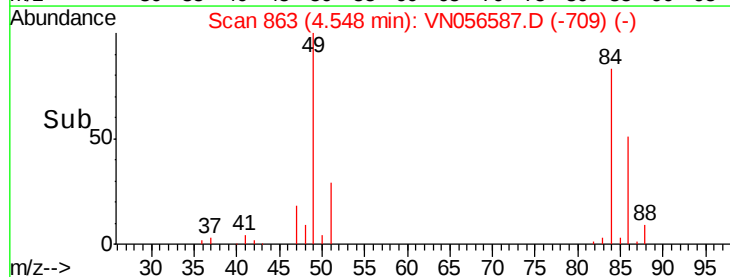
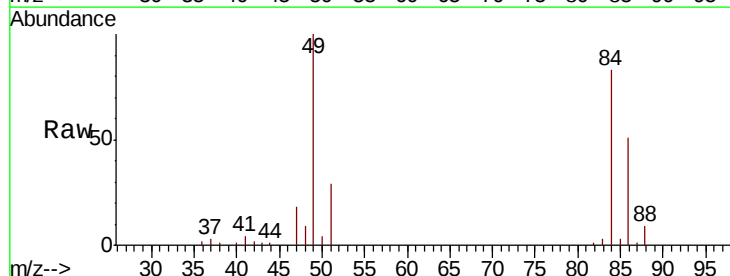
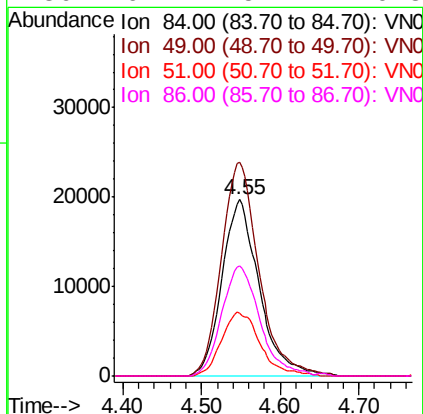
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

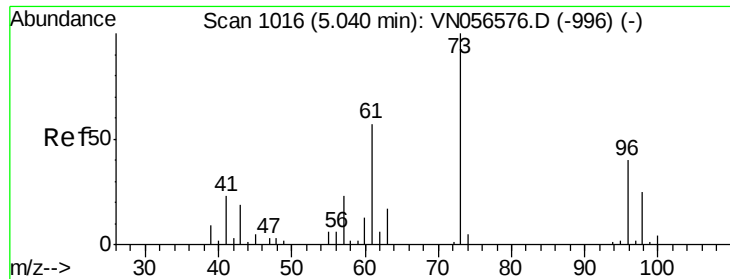
Tot Ion: 41 Resp: 92515
Ion Ratio Lower Upper
41 100
39 62.7 33.0 99.0
76 35.2 18.9 56.9



#18
Methylene Chloride
Concen: 19.197 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 84 Resp: 64845
Ion Ratio Lower Upper
84 100
49 121.0 87.6 131.4
51 35.3 27.0 40.4
86 62.2 51.2 76.8

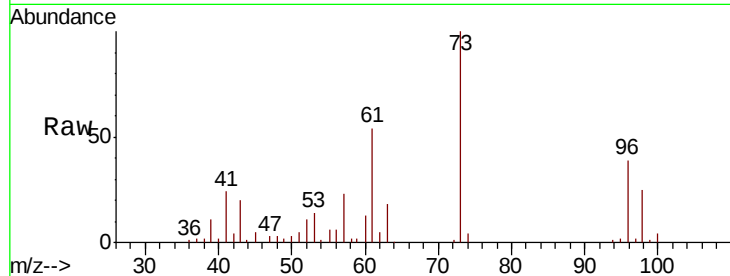




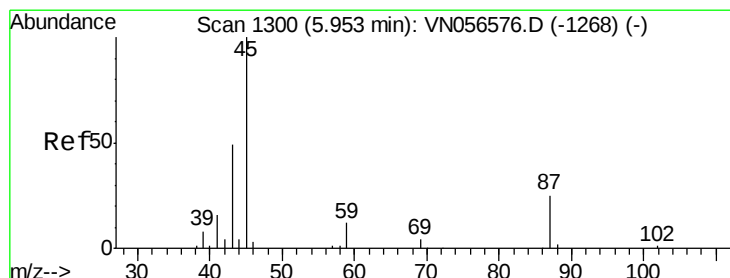
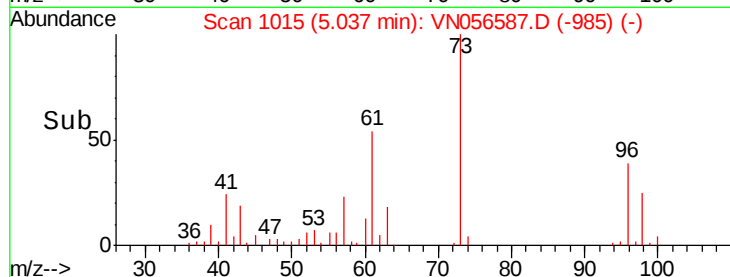
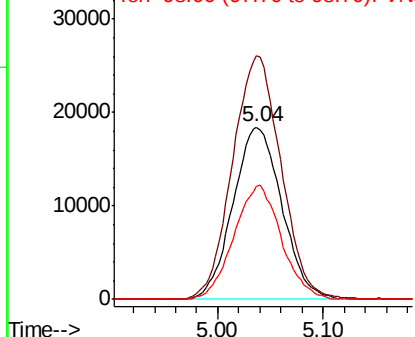
#19
trans-1,2-Dichloroethene
Concen: 19.149 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 59338
Ion Ratio Lower Upper
96 100
61 140.2 102.5 153.7
98 65.7 46.9 70.3

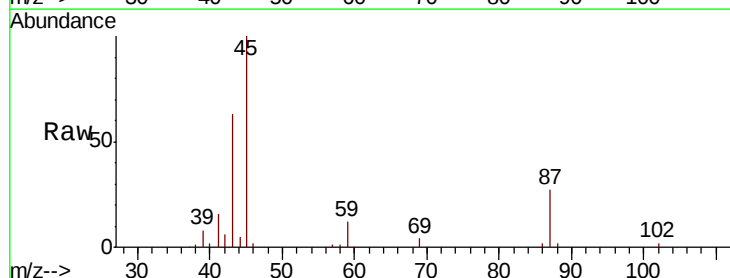


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

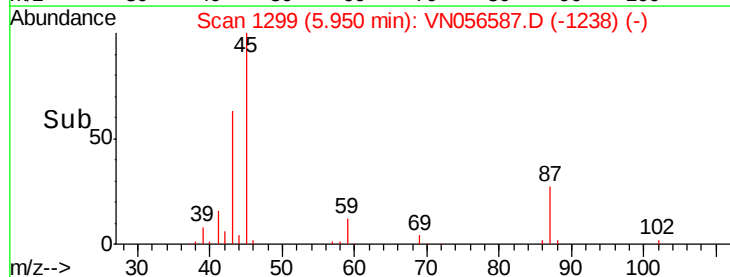
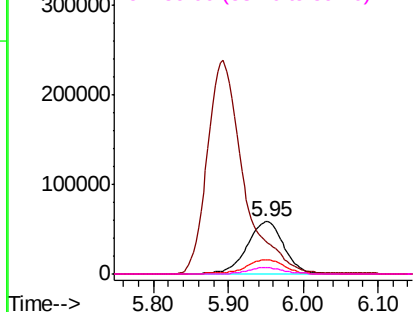


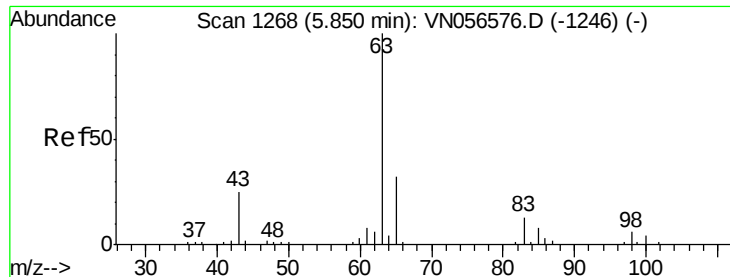
#20
Diisopropyl ether
Concen: 19.363 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 45 Resp: 200005
Ion Ratio Lower Upper
45 100
43 60.3 48.0 72.0
87 26.6 23.4 35.2
59 11.7 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

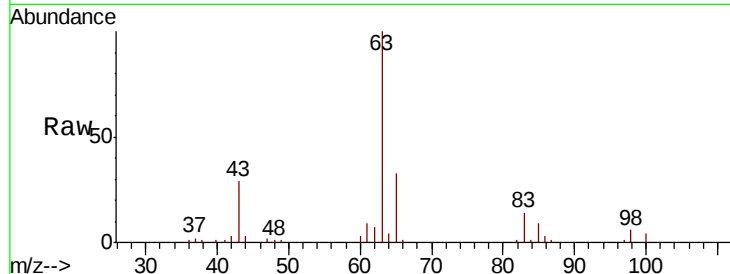




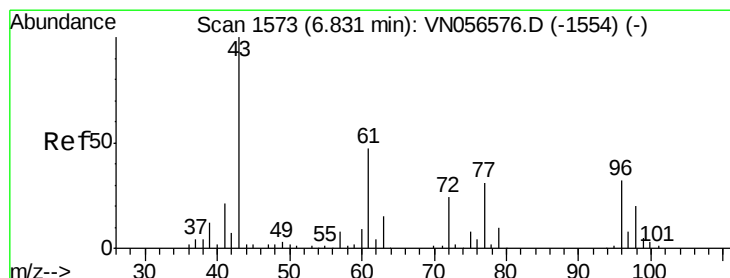
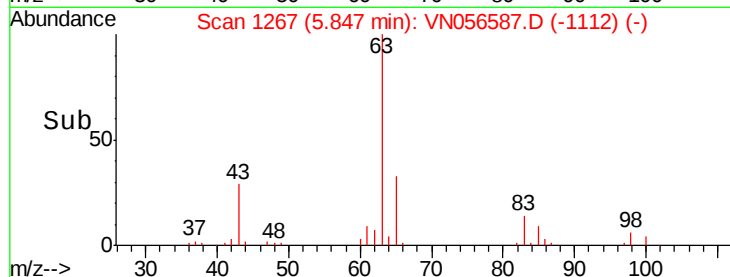
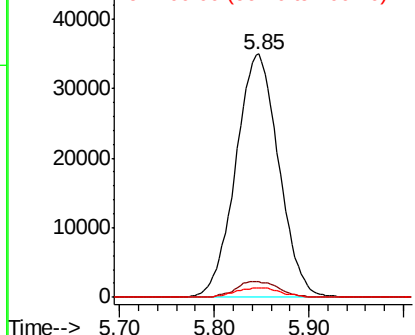
#21
 1,1-Dichloroethane
 Concen: 18.941 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	4.0	2.3	6.9

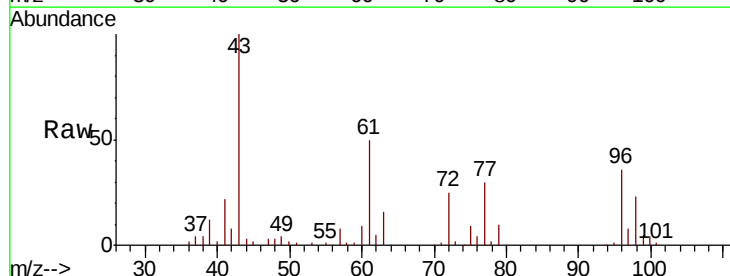


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

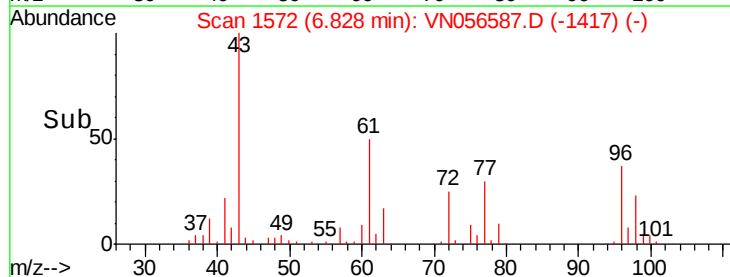
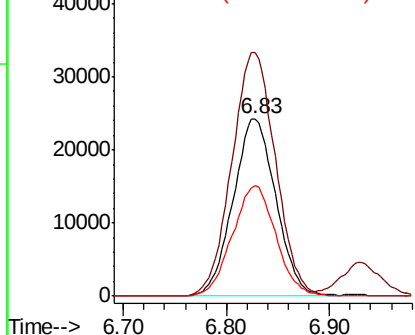


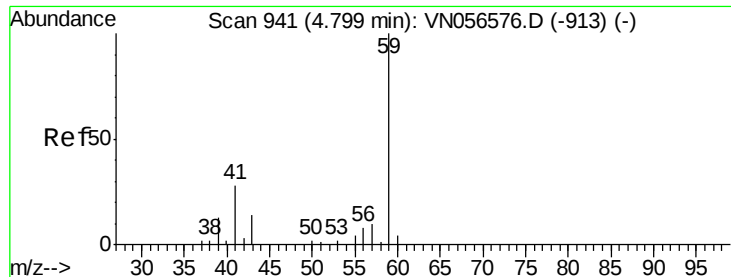
#22
 cis-1,2-Dichloroethene
 Concen: 19.241 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	105.7	158.5
98	62.8	52.0	78.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



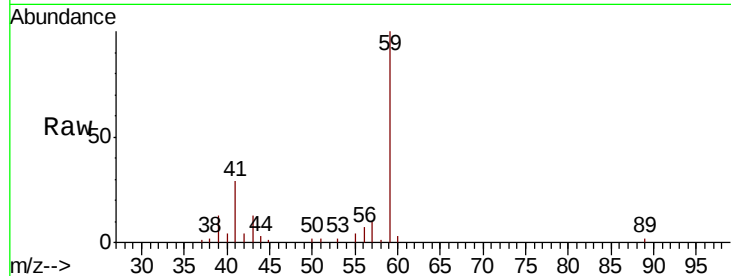


#23

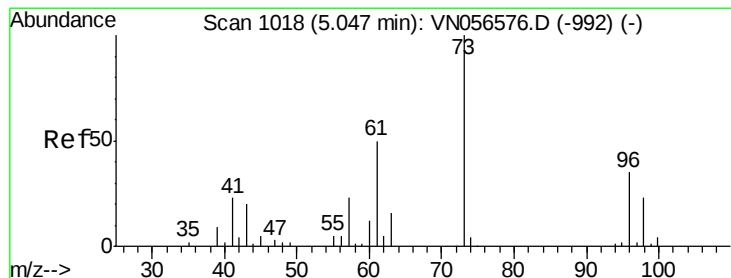
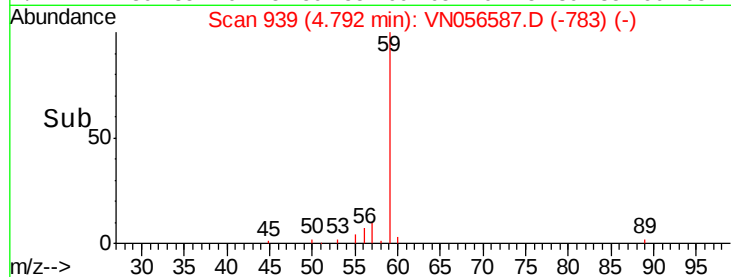
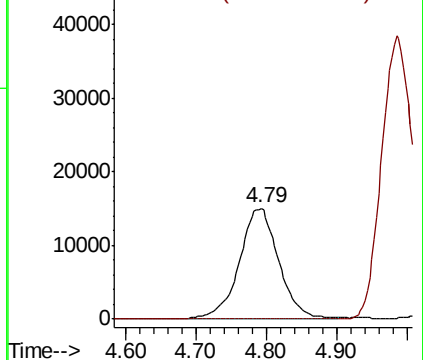
tert-Butyl Alcohol
 Concen: 92.953 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 58825
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



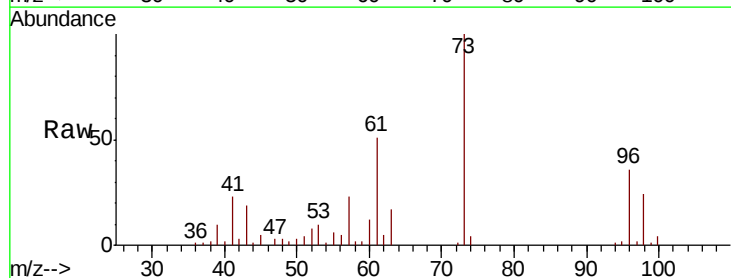
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



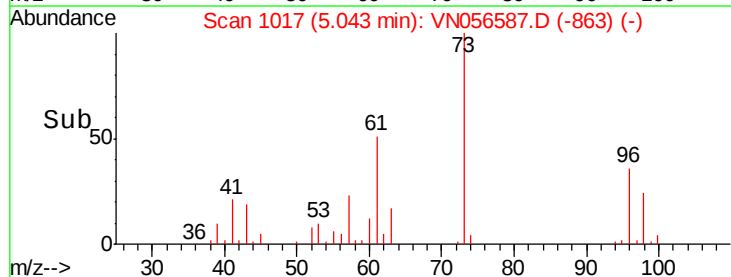
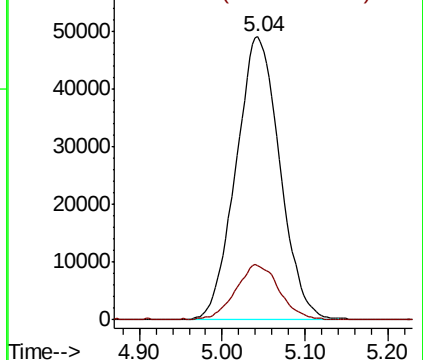
#24

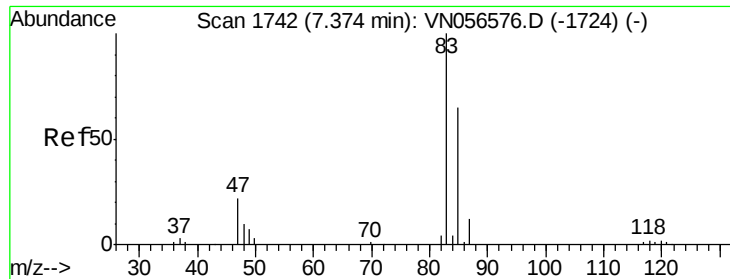
Methyl tert-Butyl Ether
 Concen: 19.119 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 73 Resp: 180665
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

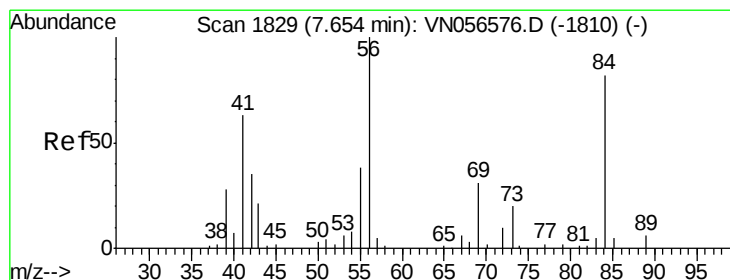
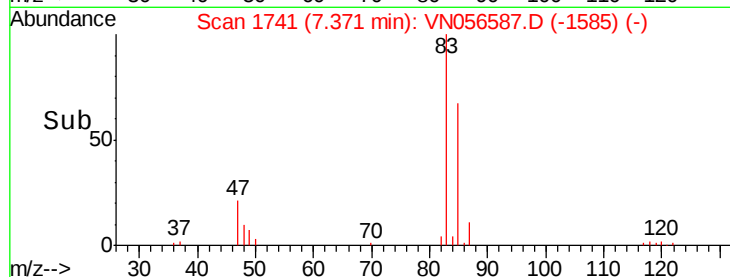
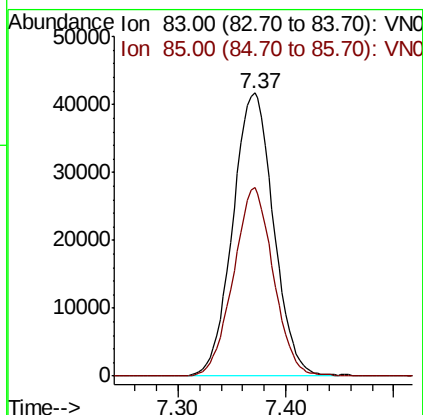
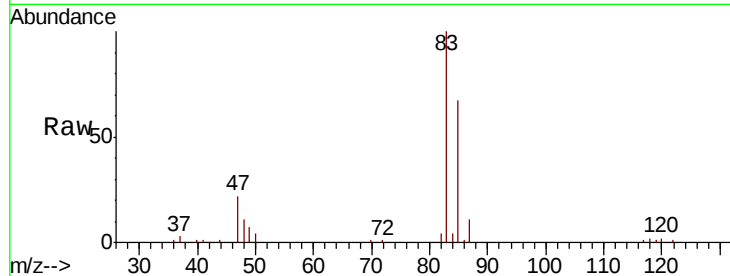




#25
Chloroform
Concen: 19.215 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

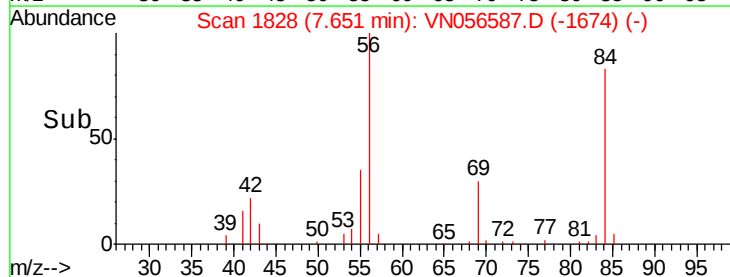
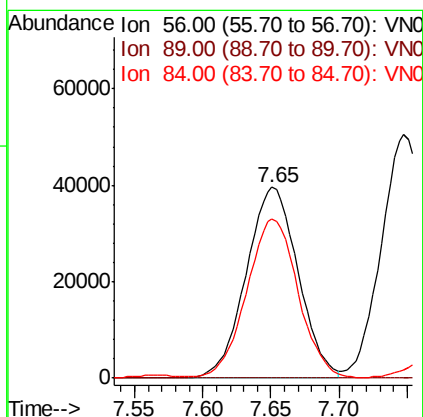
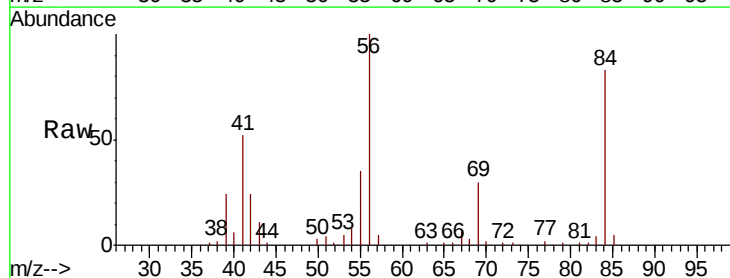
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

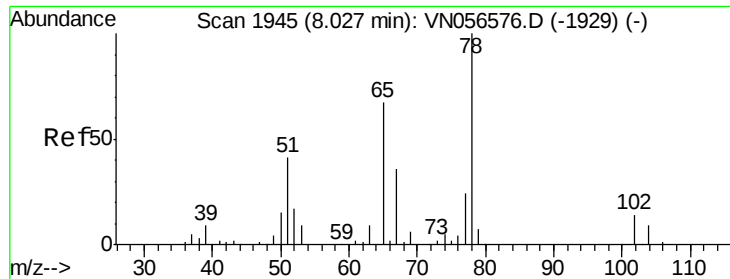
Tot Ion: 83 Resp: 109745
Ion Ratio Lower Upper
83 100
85 66.8 52.0 78.0



#26
Cyclohexane
Concen: 19.403 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 56 Resp: 104136
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.9 70.1 105.1

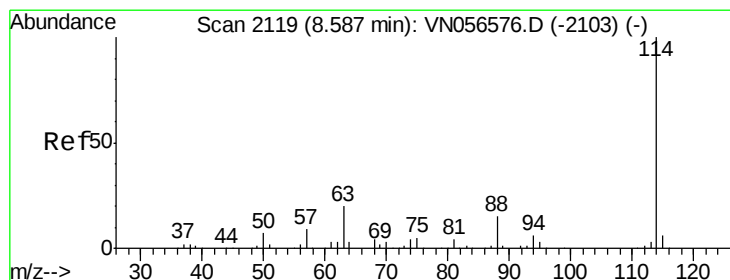
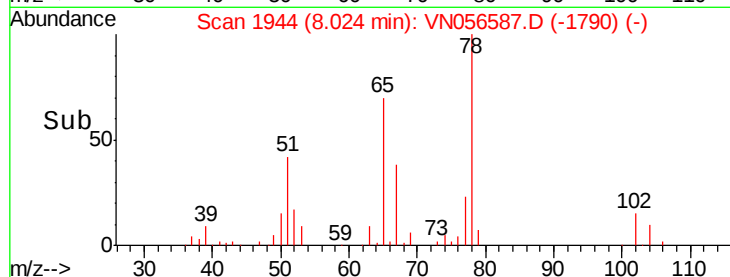
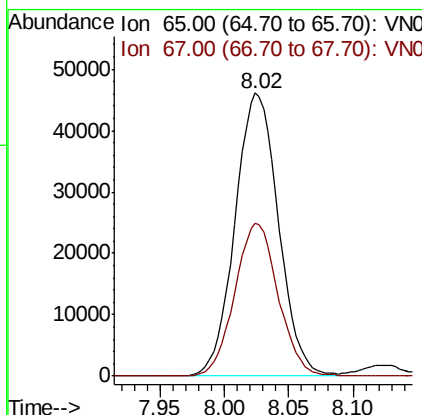
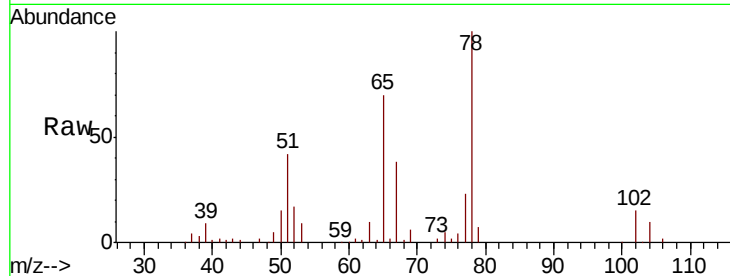




#27
 1,2-Dichloroethane-d4
 Concen: 30.000 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

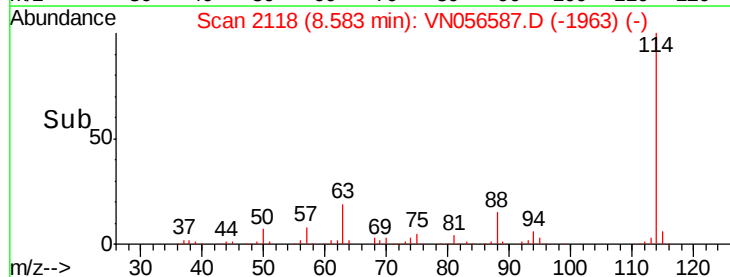
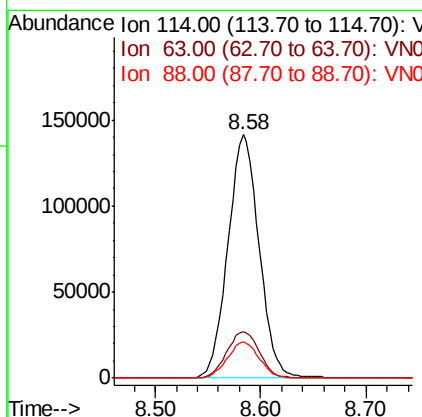
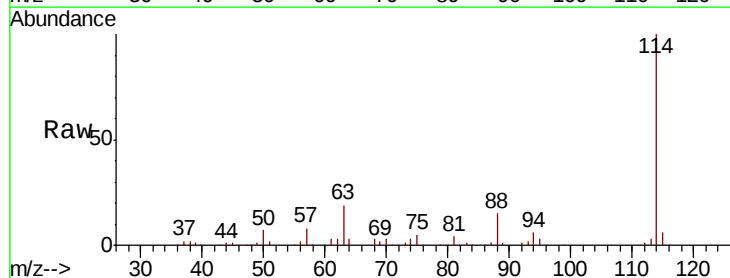
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

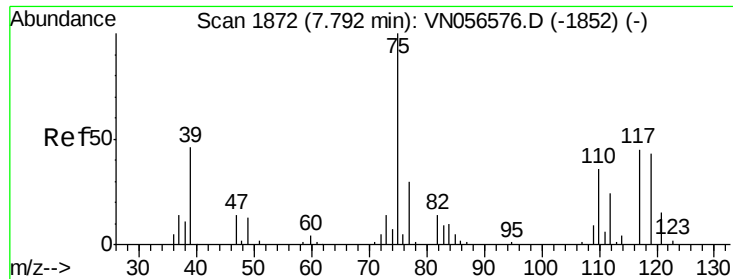
Tot Ion: 65 Resp: 108097
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 114 Resp: 289769
 Ion Ratio Lower Upper
 114 100
 63 20.0 14.7 22.1
 88 15.2 11.9 17.9

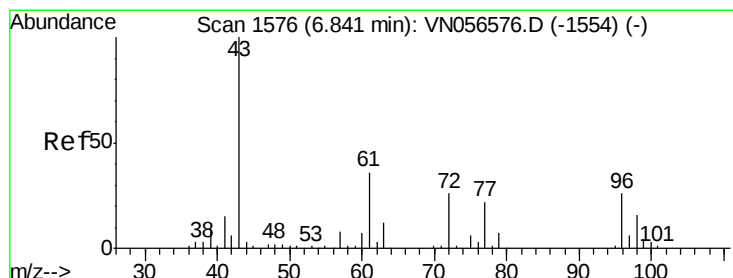
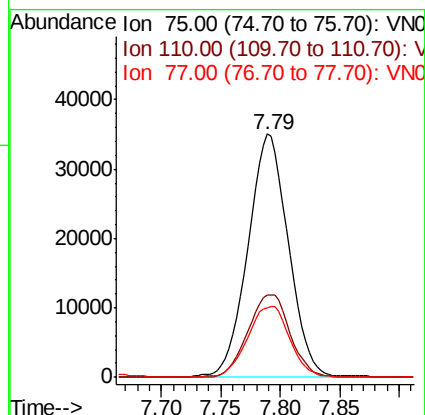
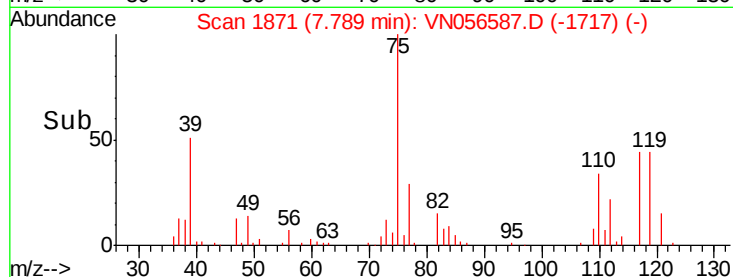
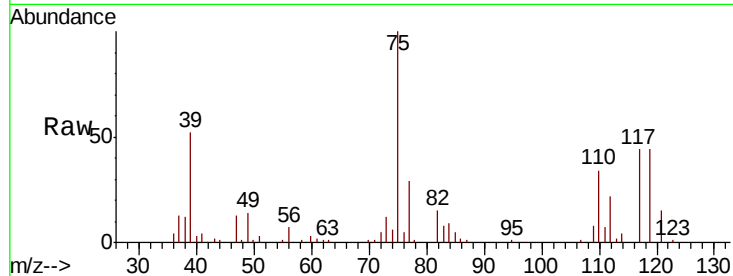




#29
 1,1-Dichloropropene
 Concen: 19.323 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

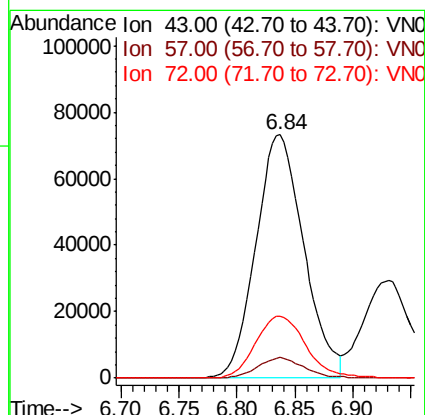
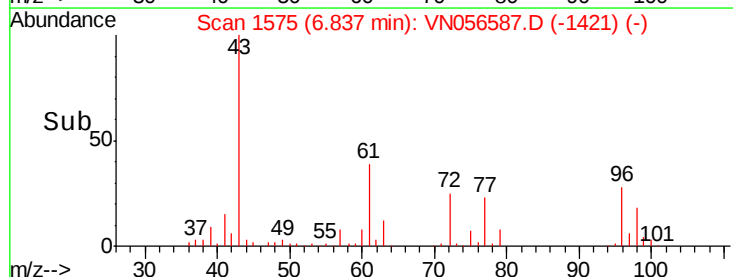
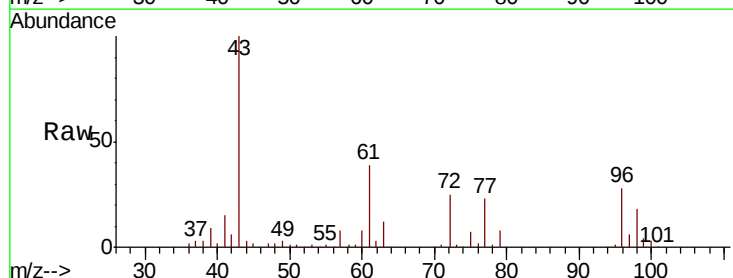
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

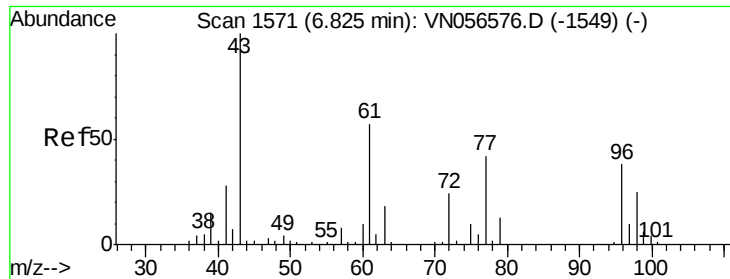
Tot Ion: 75 Resp: 82683
 Ion Ratio Lower Upper
 75 100
 110 35.2 0.0 77.0
 77 30.6 0.0 62.4



#30
 2-Butanone
 Concen: 88.376 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 209640
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.7 10.1
 72 26.8 22.4 33.6





#31

2,2-Dichloropropane

Concen: 16.954 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

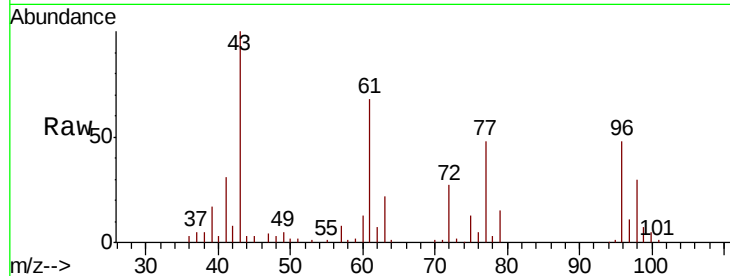
VSTDCCC020EC

Tot Ion: 77 Resp: 69753

Ion Ratio Lower Upper

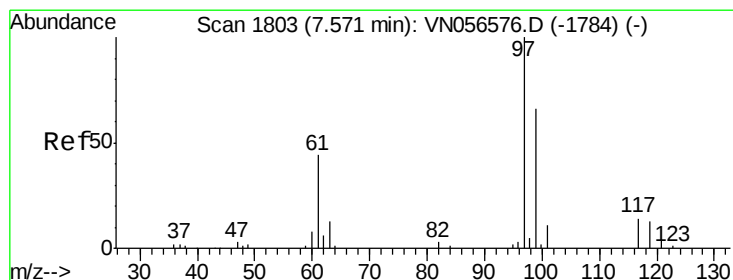
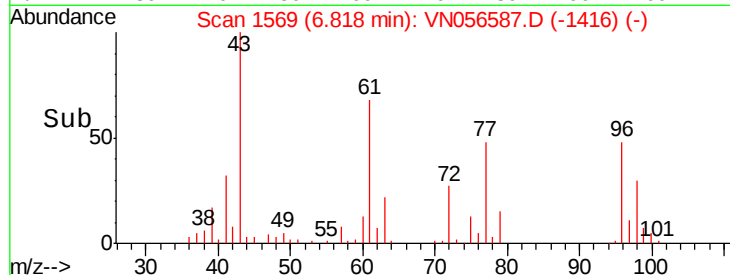
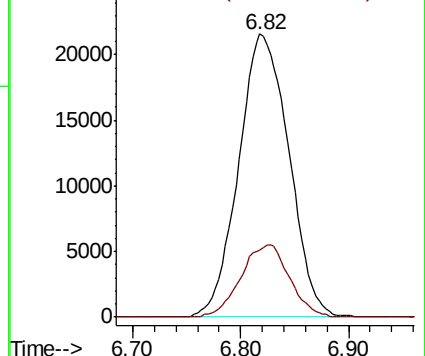
77 100

97 24.7 20.8 31.2



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.118 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

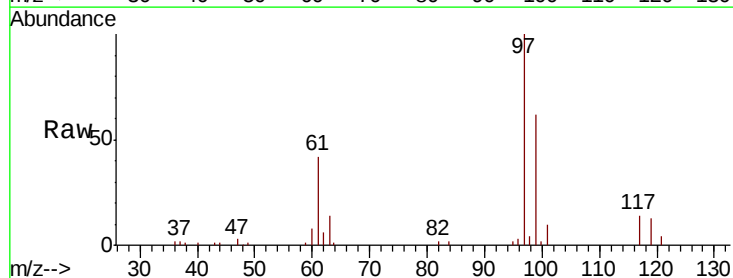
Tgt Ion: 97 Resp: 87207

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

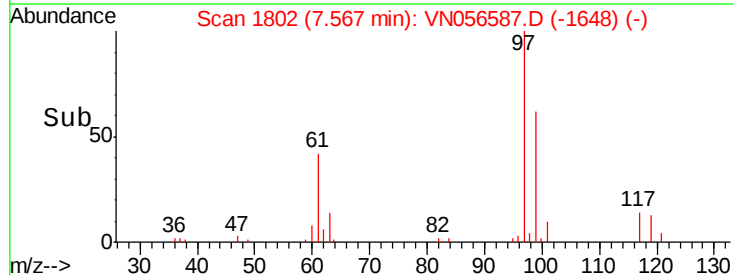
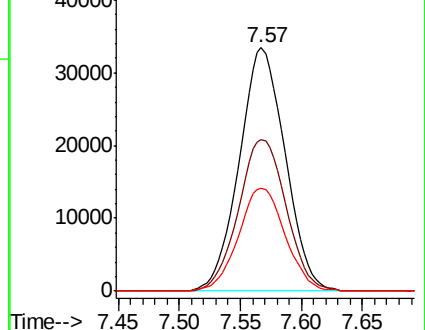
61 43.2 32.9 49.3

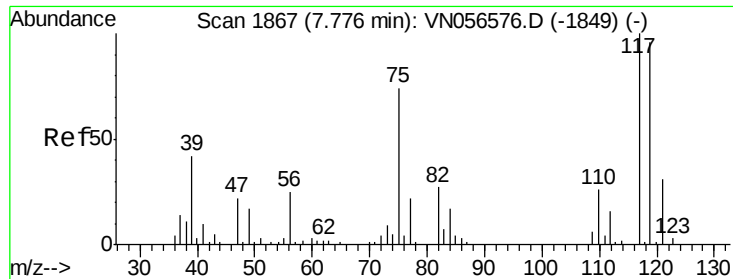


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

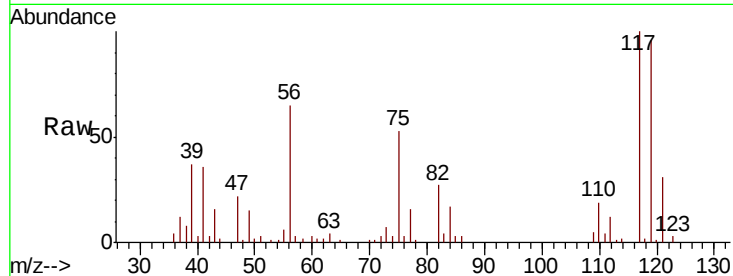




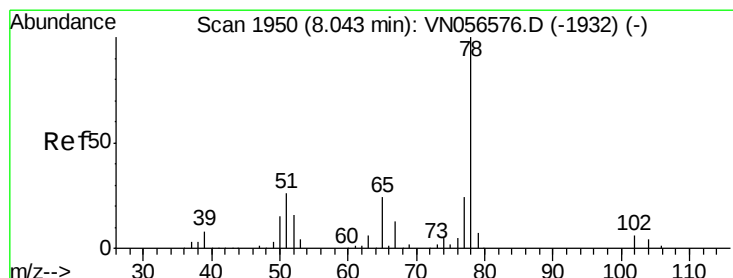
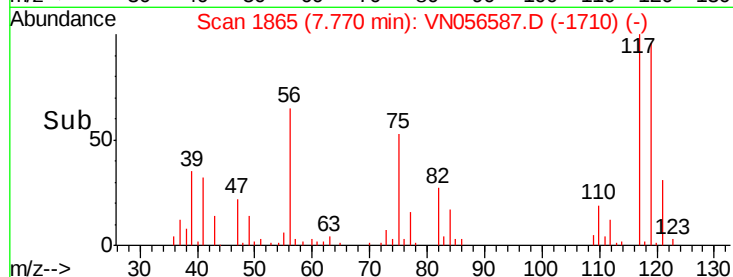
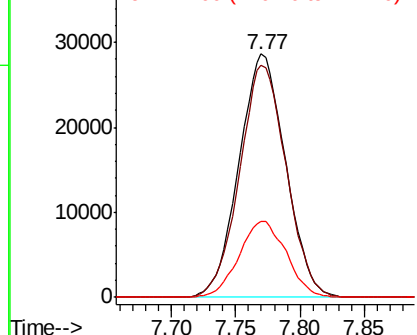
#33
Carbon Tetrachloride
Concen: 18.597 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 71916
Ion Ratio Lower Upper
117 100
119 95.6 77.3 115.9
121 31.2 25.0 37.4

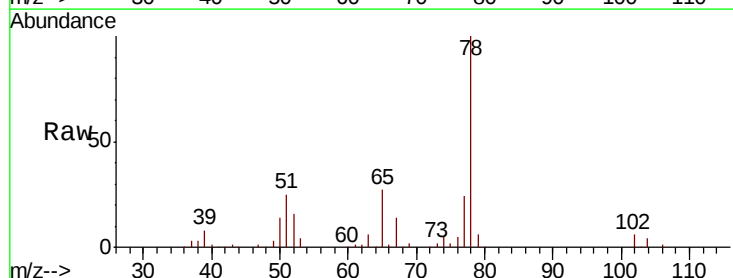


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

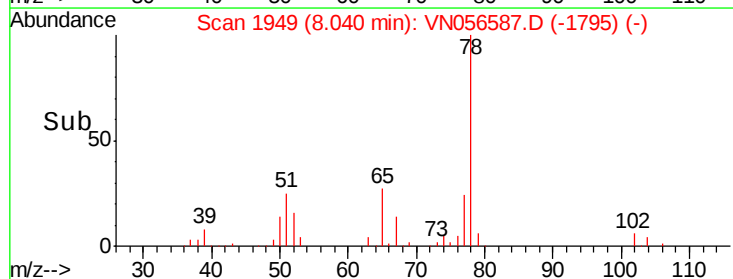
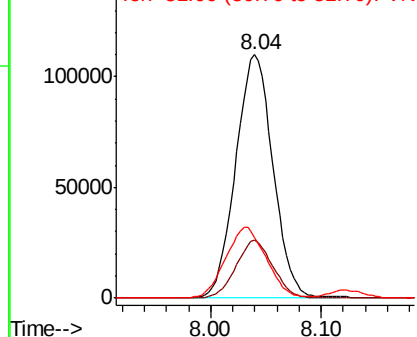


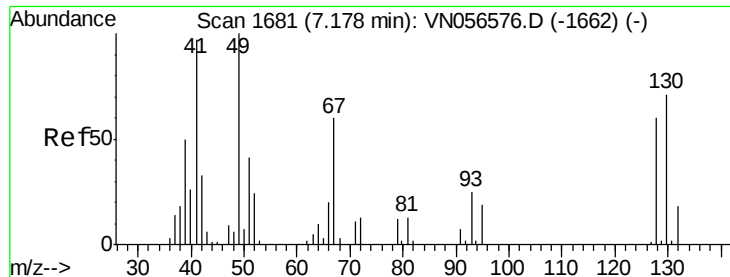
#34
Benzene
Concen: 19.272 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 78 Resp: 257867
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 24.7 19.8 29.8



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

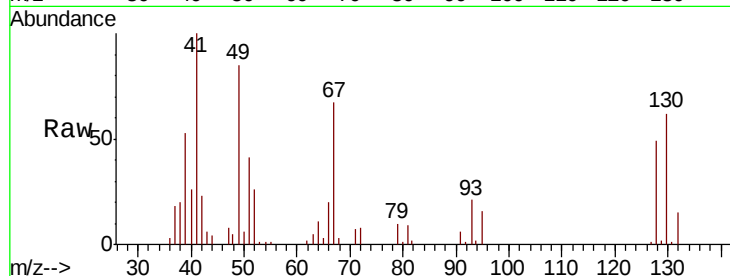




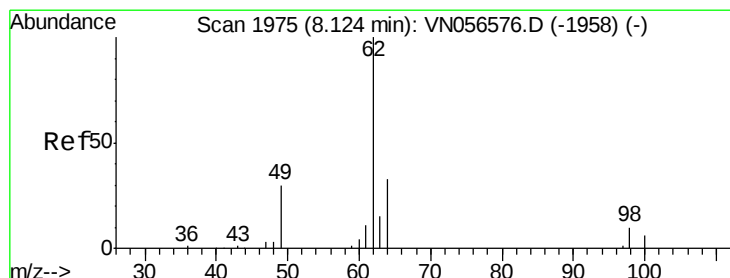
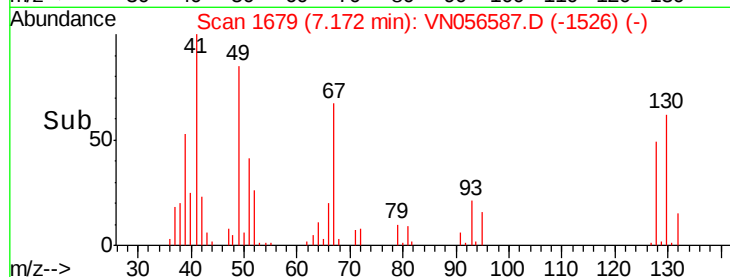
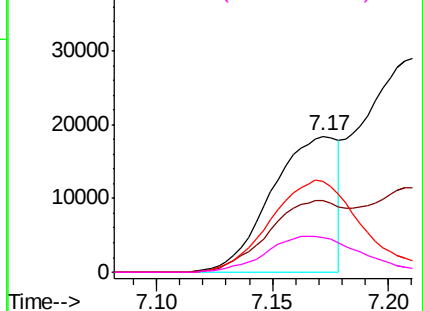
#35
Methacrylonitrile
Concen: 17.409 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 36674
Ion Ratio Lower Upper
41 100
39 52.9 24.8 74.3
67 66.7 34.3 102.9
52 25.6 12.6 37.8

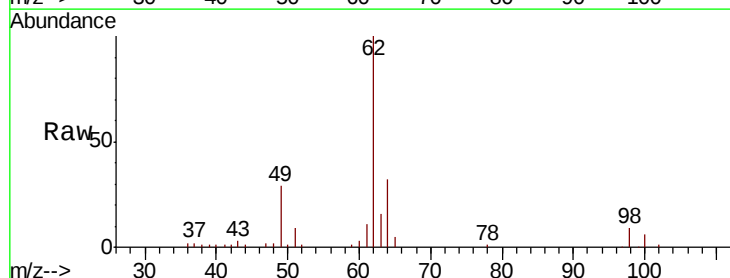


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

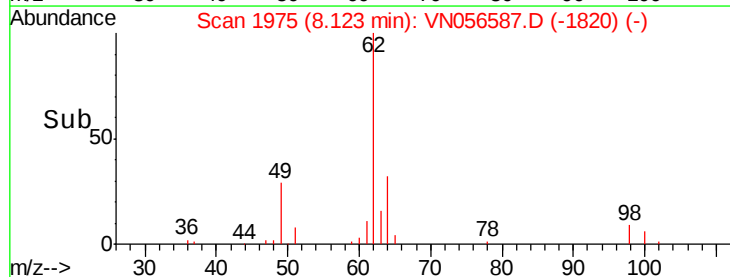
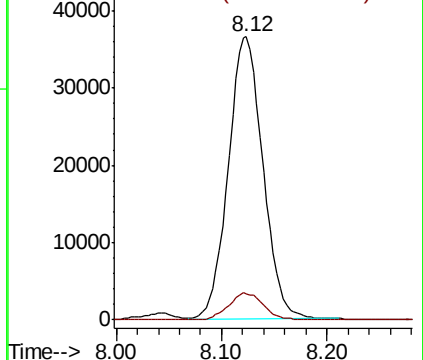


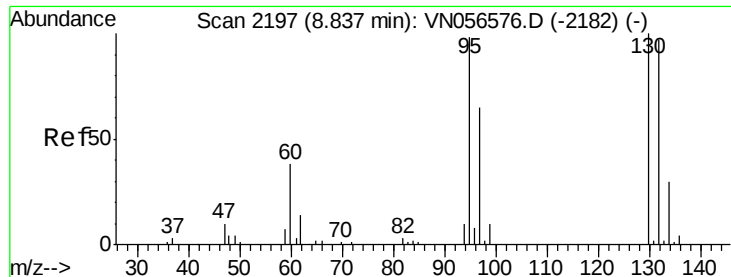
#36
1,2-Dichloroethane
Concen: 19.124 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 62 Resp: 83167
Ion Ratio Lower Upper
62 100
98 9.5 8.6 13.0



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

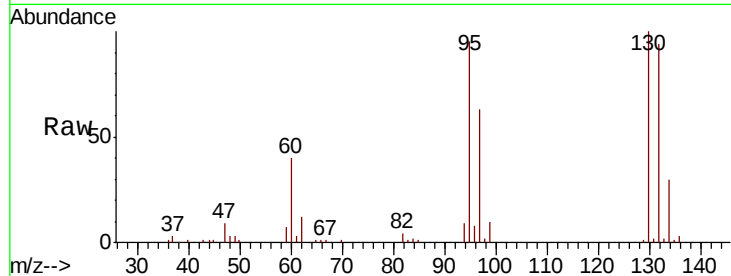




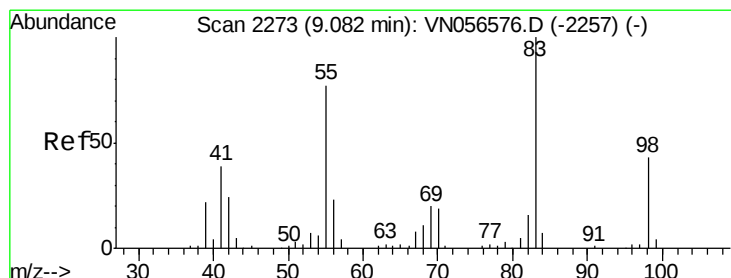
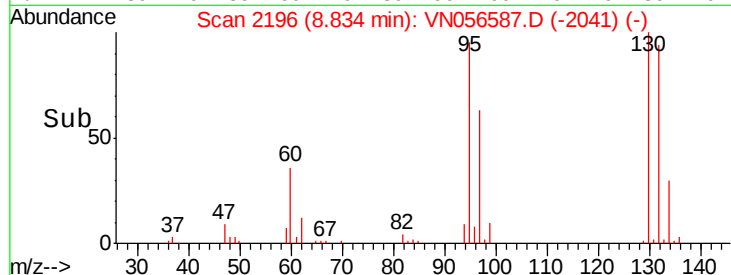
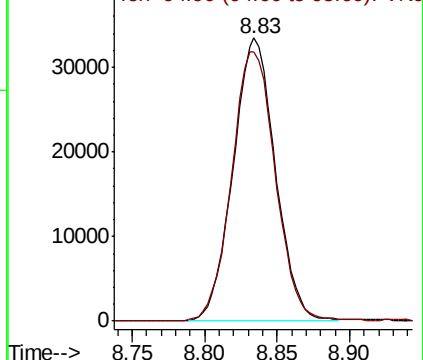
#37
 Trichloroethene
 Concen: 19.397 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 67689
 Ion Ratio Lower Upper
 130 100
 95 94.8 73.0 109.6

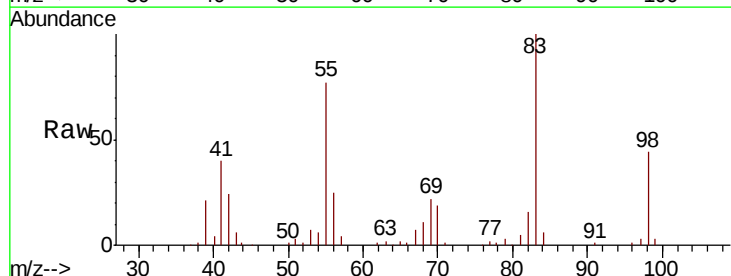


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

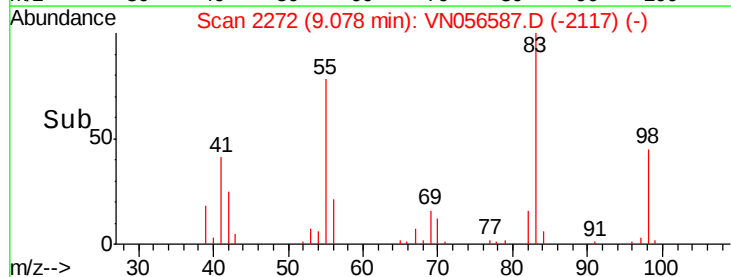
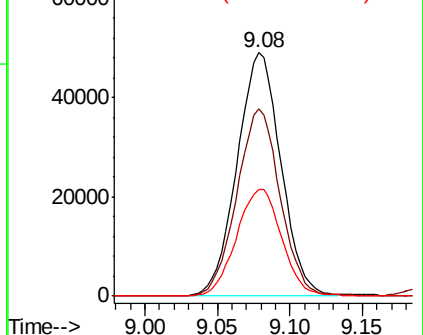


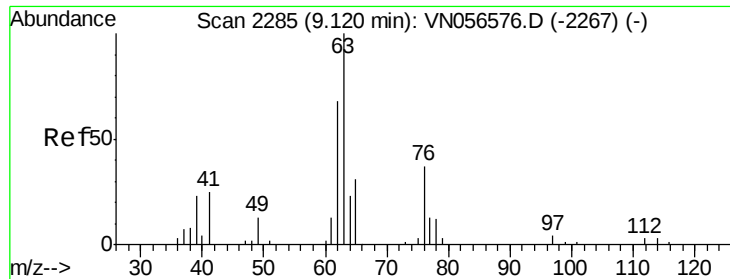
#38
 Methylcyclohexane
 Concen: 19.228 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 83 Resp: 103107
 Ion Ratio Lower Upper
 83 100
 55 75.8 37.5 112.7
 98 45.3 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.126 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

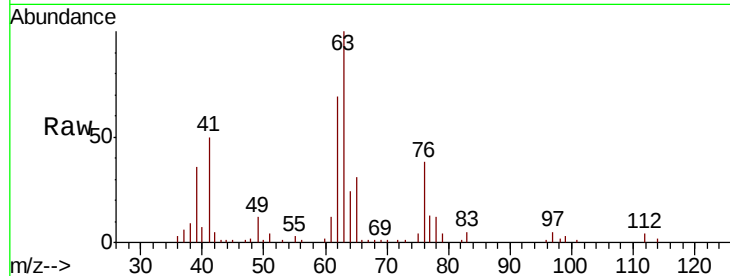
VSTDCCC020EC

Tot Ion: 63 Resp: 68891

Ion Ratio Lower Upper

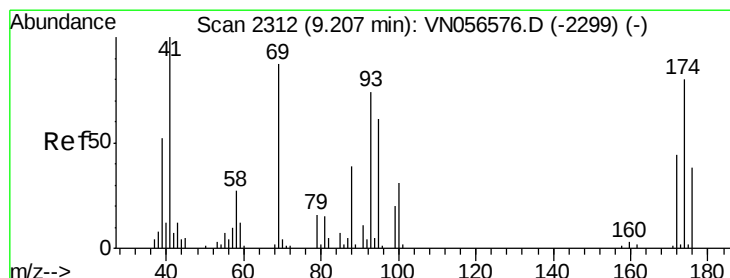
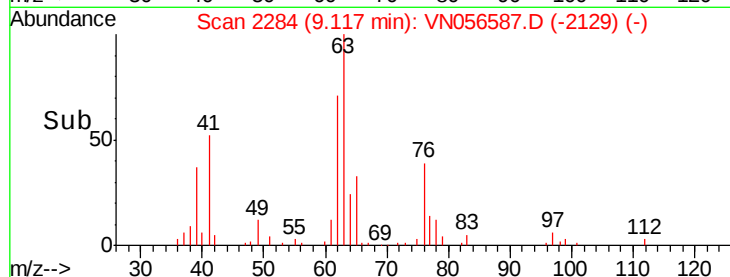
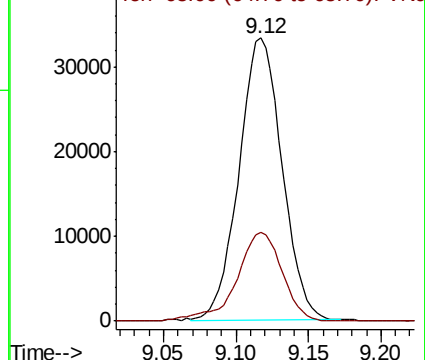
63 100

65 31.6 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.094 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

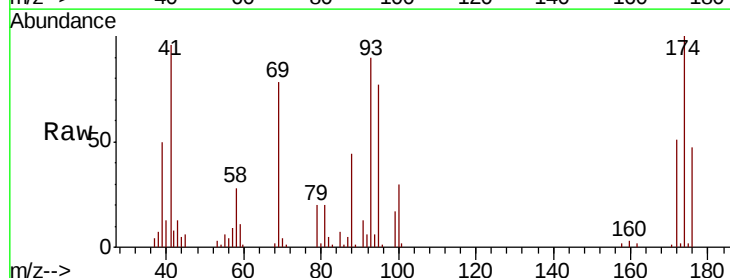
Tgt Ion: 93 Resp: 42514

Ion Ratio Lower Upper

93 100

95 84.7 0.0 169.0

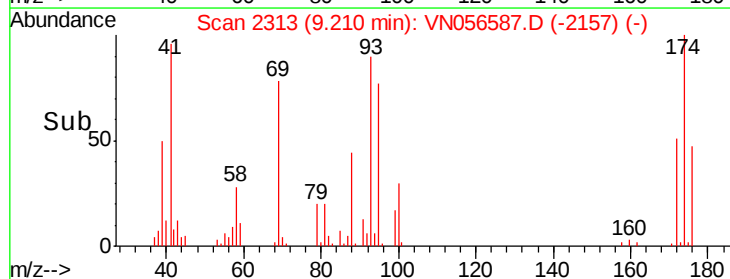
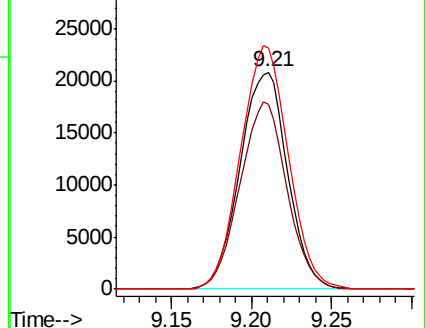
174 112.3 0.0 246.4

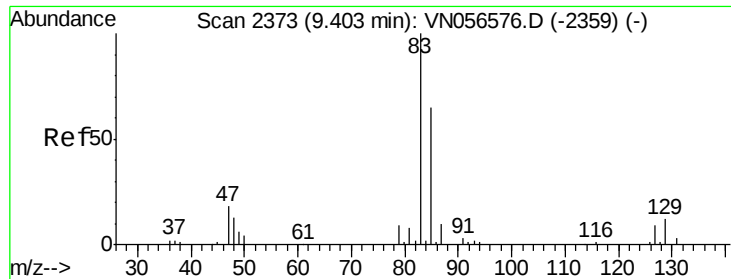


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

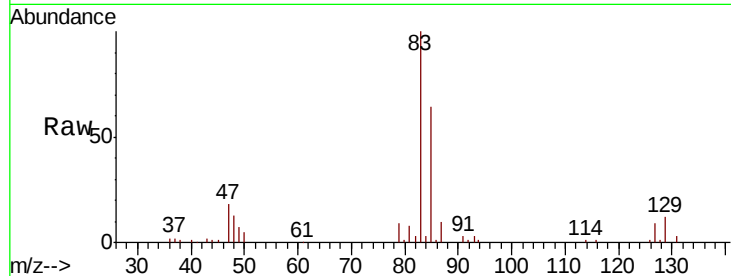




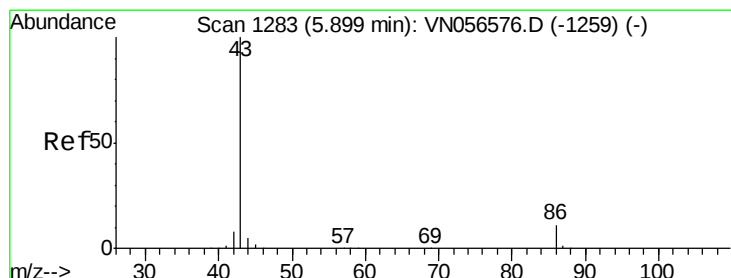
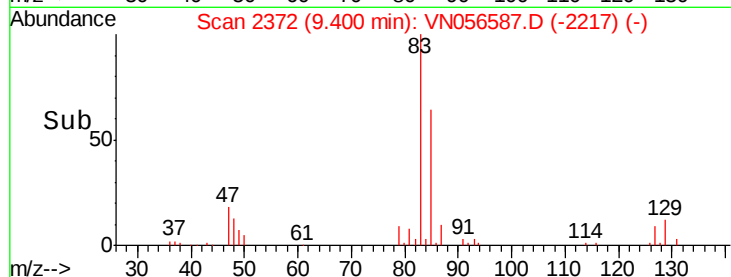
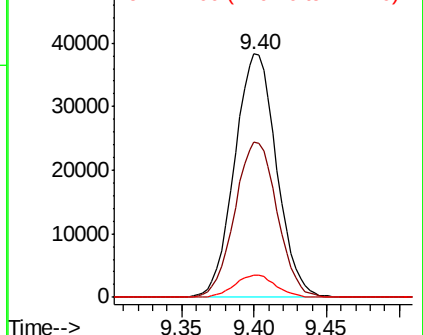
#41
Bromodichloromethane
Concen: 18.623 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 76849
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6
127 9.1 7.3 10.9

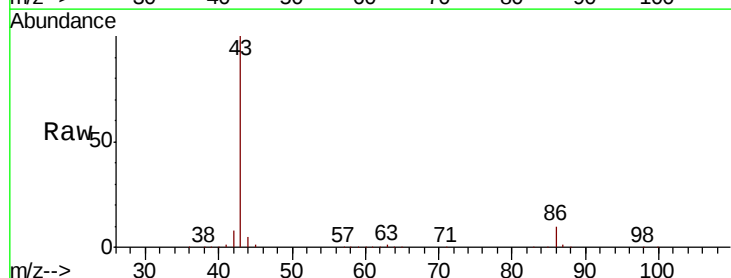


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

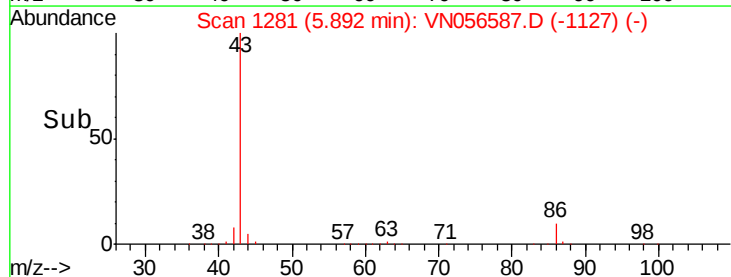
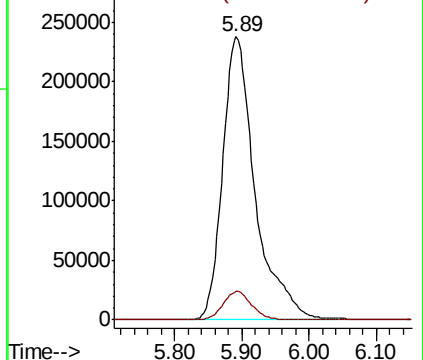


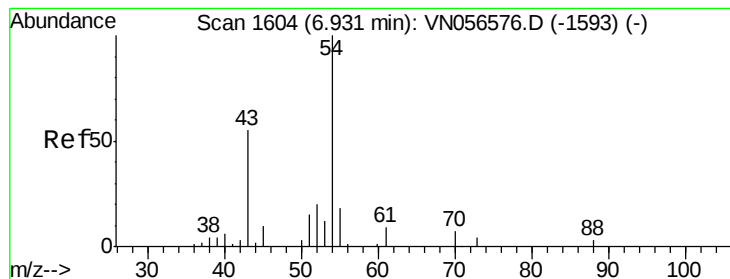
#42
Vinyl Acetate
Concen: 94.849 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 801135
Ion Ratio Lower Upper
43 100
86 8.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 17.581 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

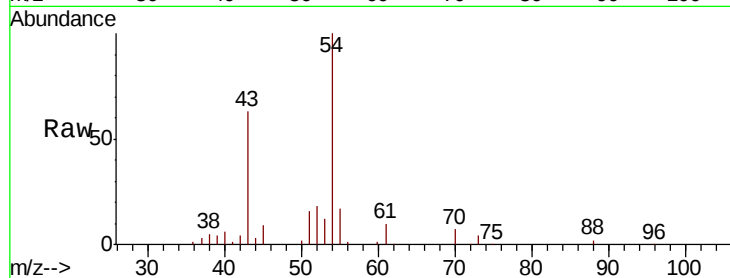
VSTDCCC020EC

Tot Ion: 43 Resp: 80676

Ion Ratio Lower Upper

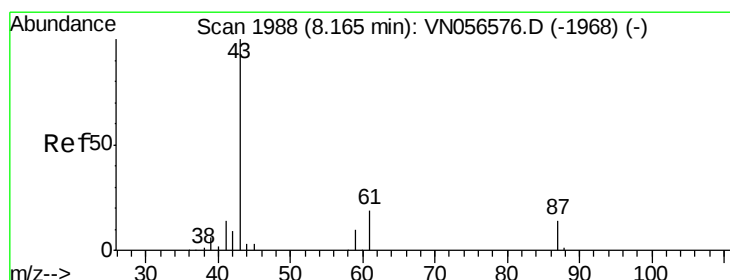
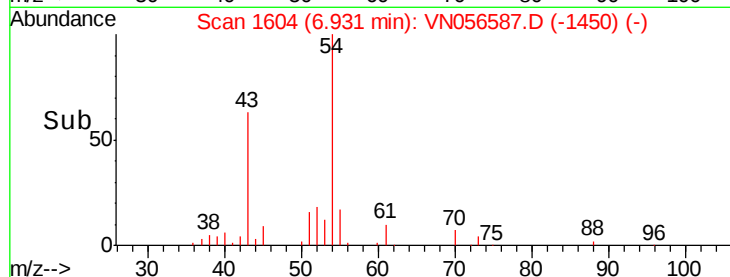
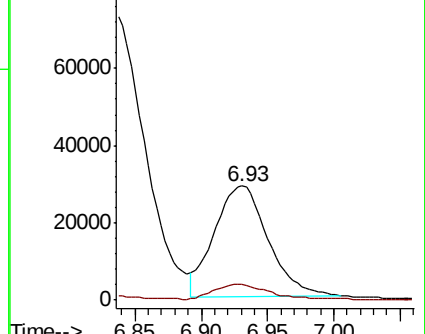
43 100

45 13.6 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.298 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056587.D

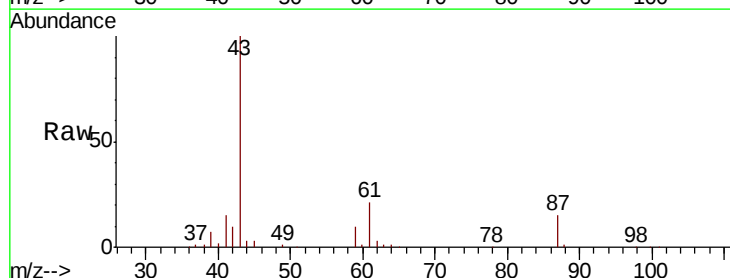
Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 130998

Ion Ratio Lower Upper

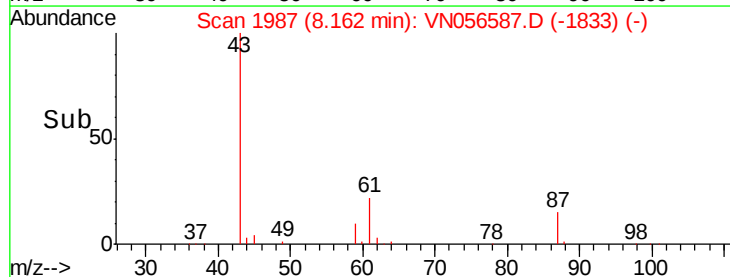
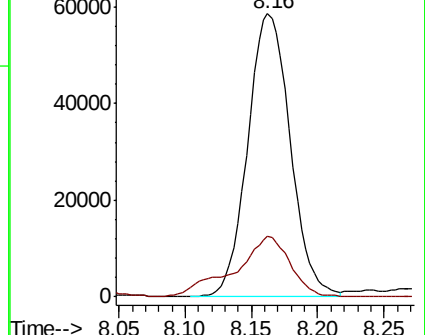
43 100

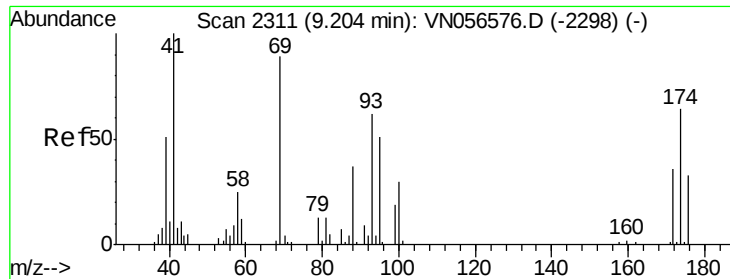
61 27.8 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 391.557 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

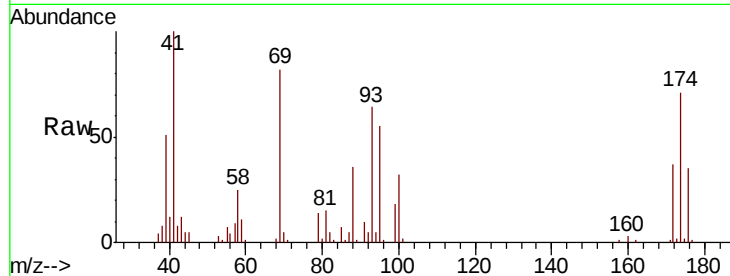
Tot Ion: 88 Resp: 27429

Ion Ratio Lower Upper

88 100

43 27.2 19.8 29.6

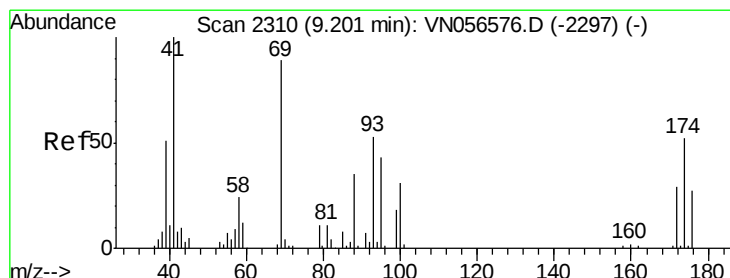
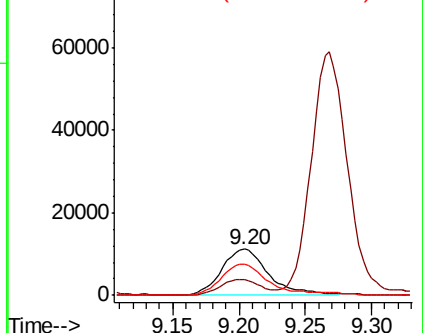
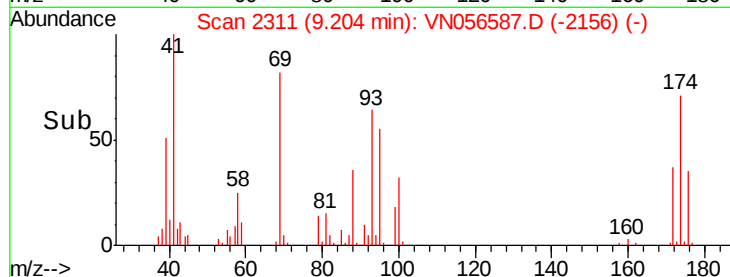
58 66.4 48.5 72.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.293 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

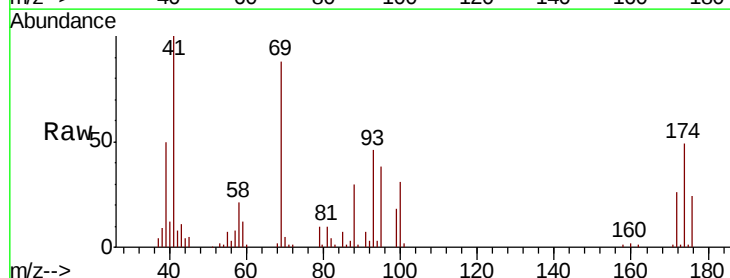
Tgt Ion: 41 Resp: 64350

Ion Ratio Lower Upper

41 100

69 88.4 46.0 137.8

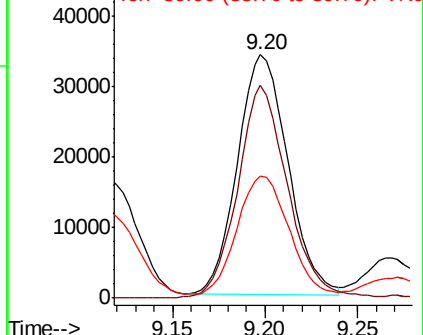
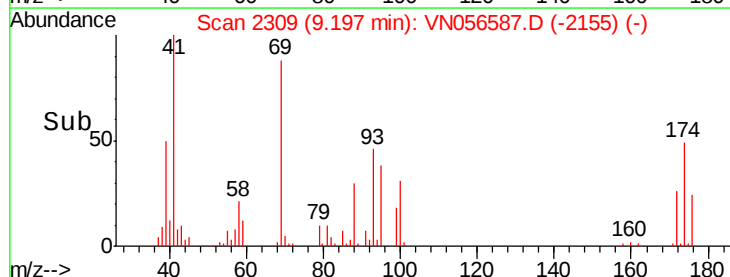
39 49.4 24.6 73.8

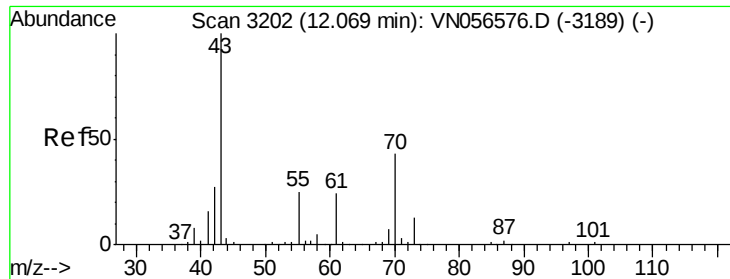


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 17.975 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

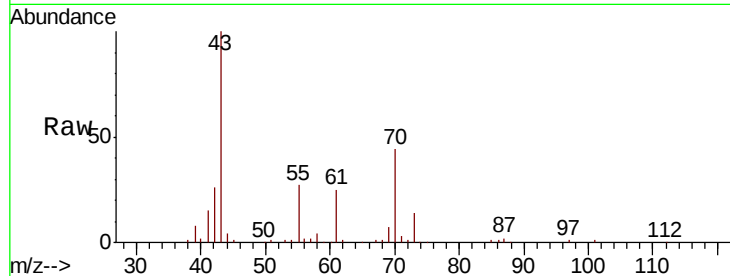
VSTDCCC020EC

Tot Ion: 43 Resp: 106964

Ion Ratio Lower Upper

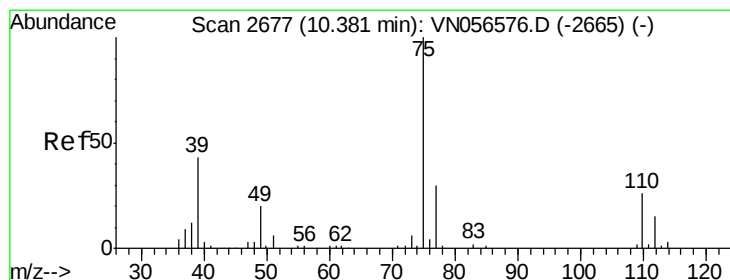
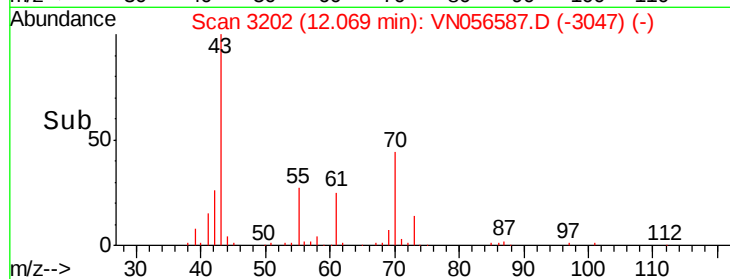
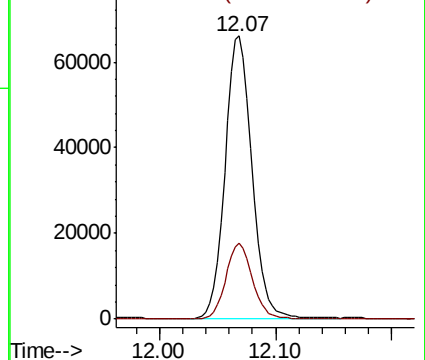
43 100

55 26.3 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.020 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056587.D

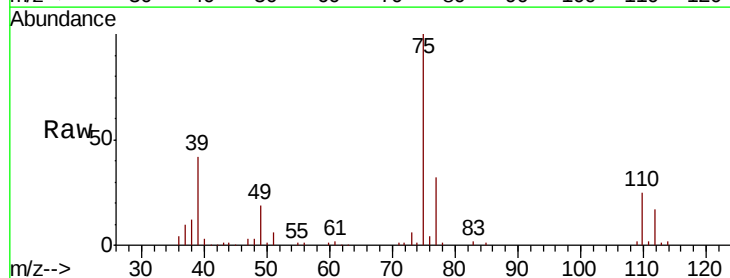
Acq: 3 Jul 2019 15:17

Tgt Ion: 75 Resp: 79697

Ion Ratio Lower Upper

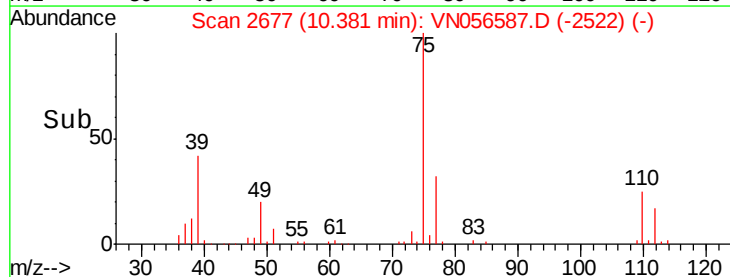
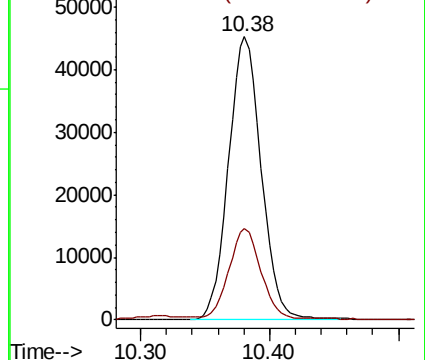
75 100

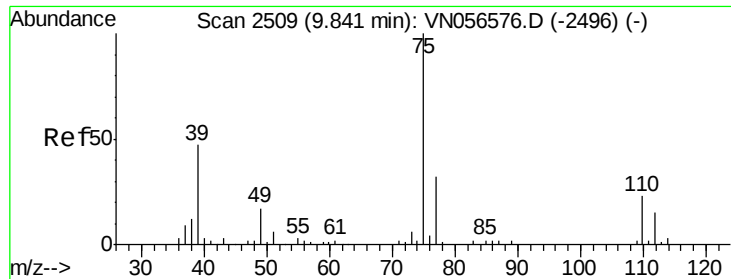
77 32.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



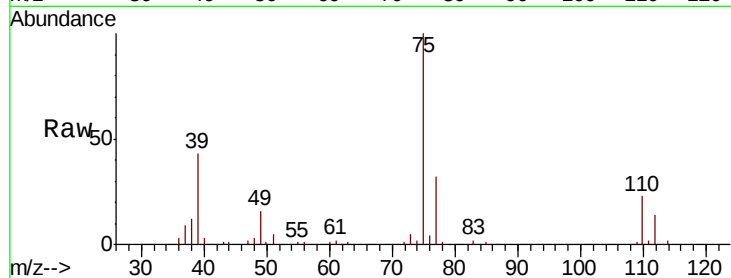


#49

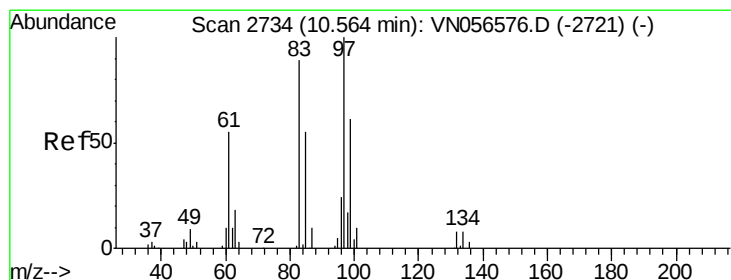
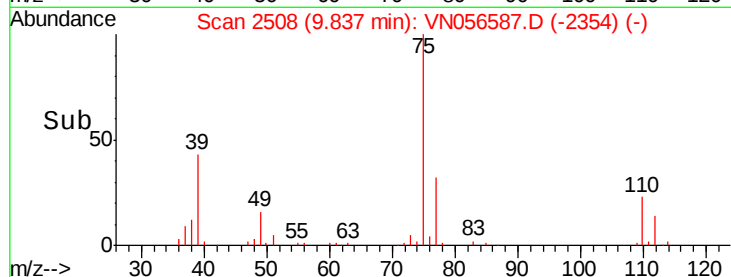
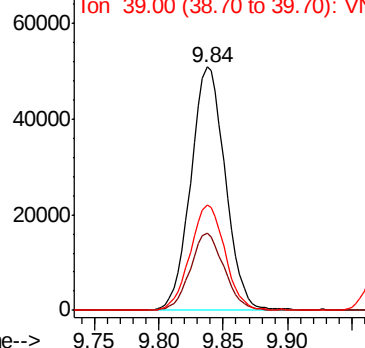
cis-1,3-Dichloropropene
 Concen: 18.563 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 94693
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7
 39 43.2 34.3 51.5



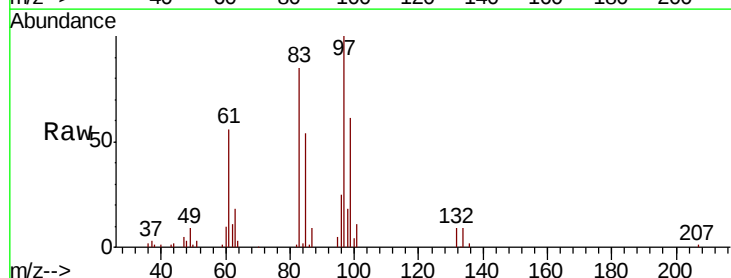
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



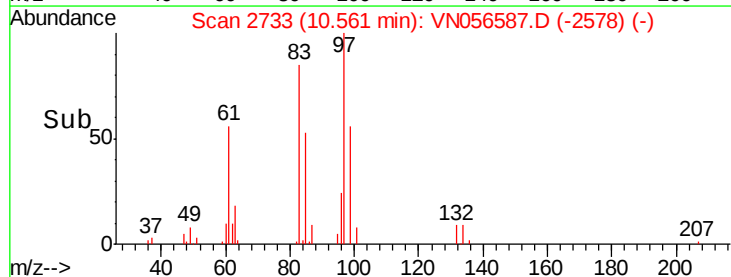
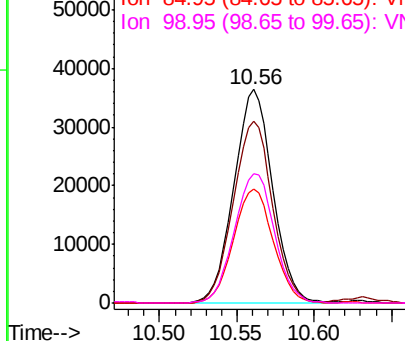
#50

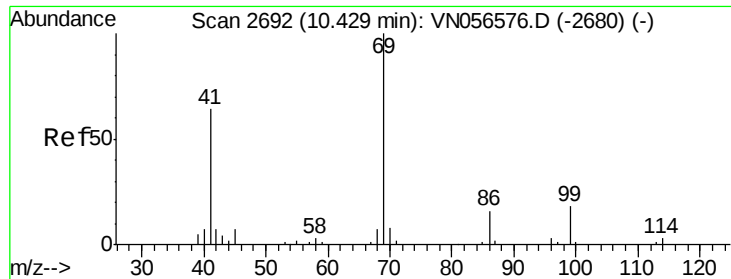
1,1,2-Trichloroethane
 Concen: 19.340 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 97 Resp: 63436
 Ion Ratio Lower Upper
 97 100
 83 85.0 66.9 100.3
 85 53.6 43.3 64.9
 99 60.8 48.6 73.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.574 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

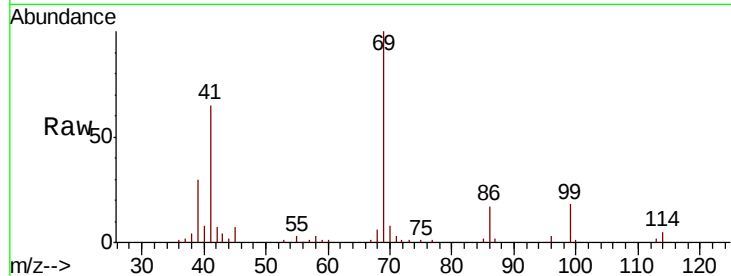
Tot Ion: 69 Resp: 95954

Ion Ratio Lower Upper

69 100

41 64.3 30.8 92.3

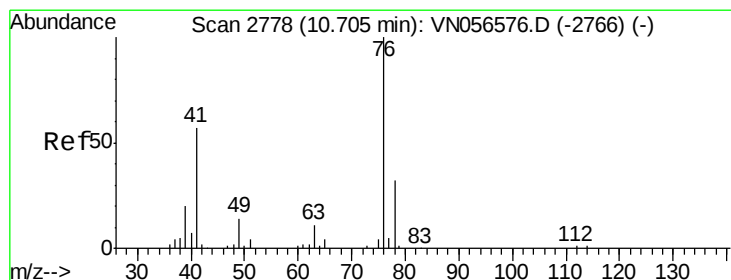
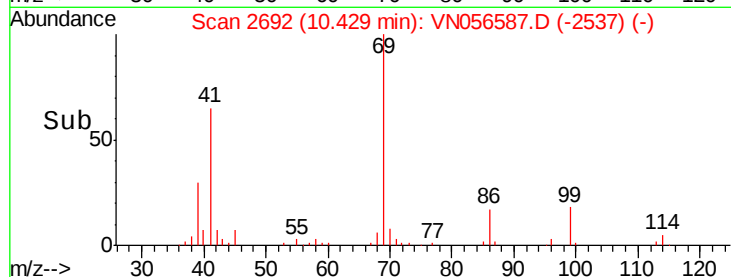
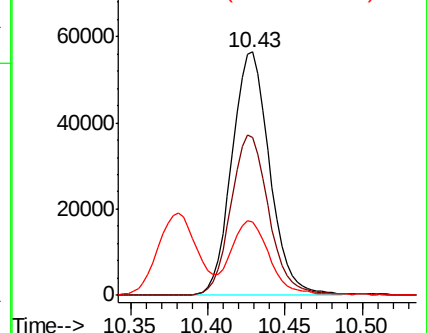
39 29.4 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.139 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056587.D

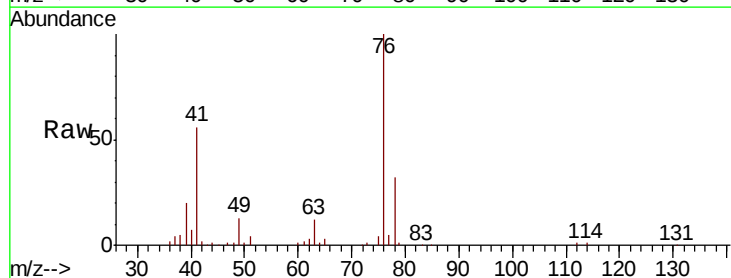
Acq: 3 Jul 2019 15:17

Tgt Ion: 76 Resp: 106673

Ion Ratio Lower Upper

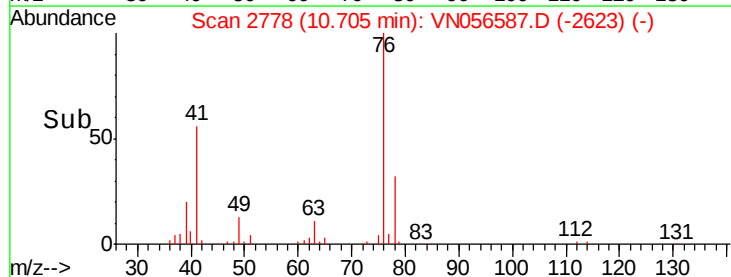
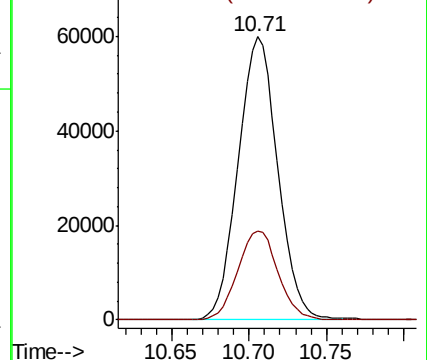
76 100

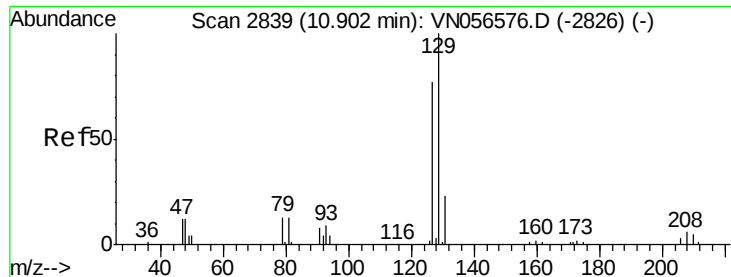
78 32.0 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.195 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

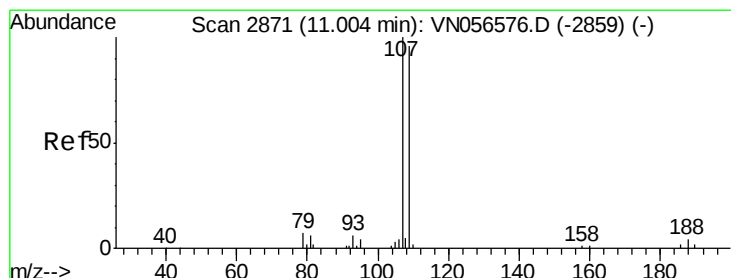
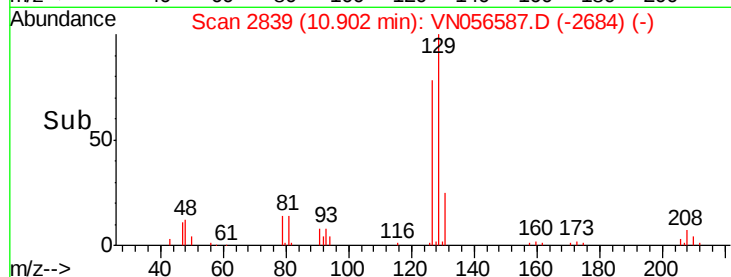
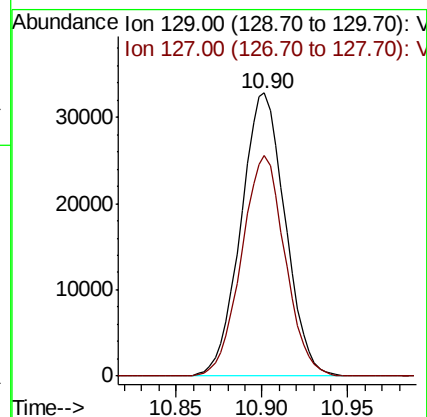
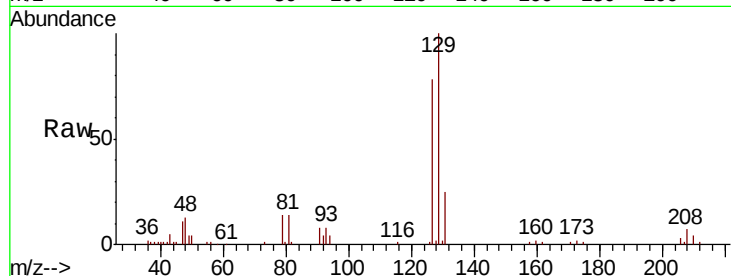
VSTDCCC020EC

Tot Ion:129 Resp: 58494

Ion Ratio Lower Upper

129 100

127 76.7 39.1 117.5



#54

1,2-Dibromoethane

Concen: 18.866 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056587.D

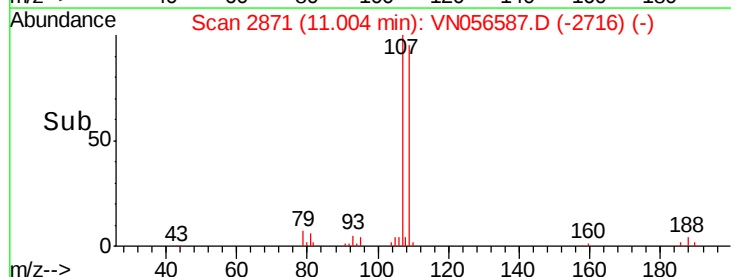
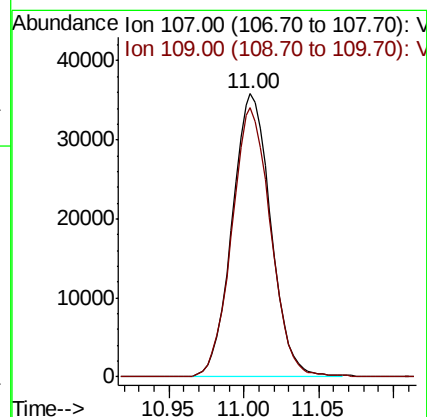
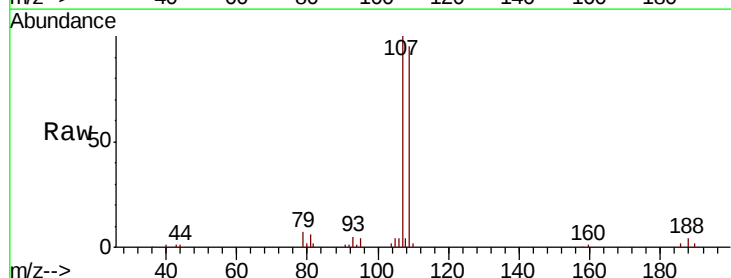
Acq: 3 Jul 2019 15:17

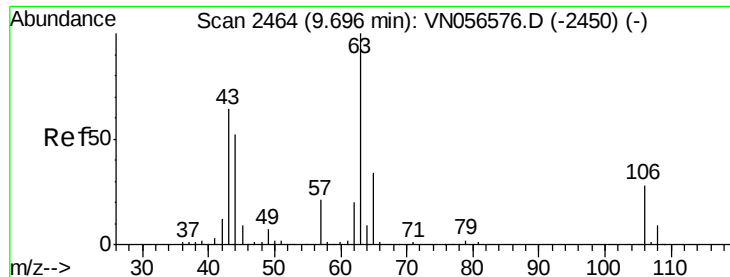
Tgt Ion:107 Resp: 64479

Ion Ratio Lower Upper

107 100

109 95.5 76.8 115.2

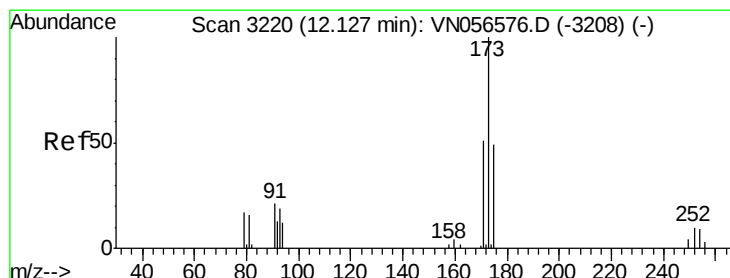
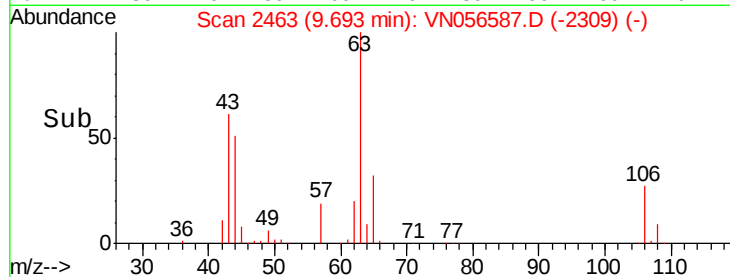
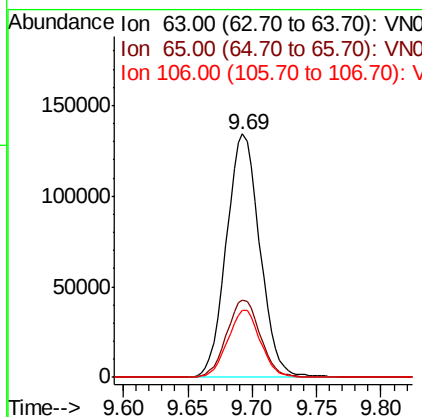
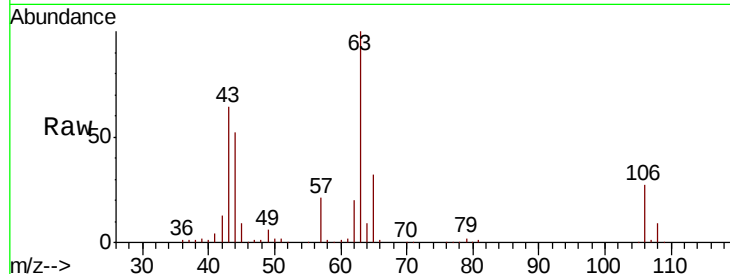




#55
2-Chloroethyl vinyl ether
Concen: 92.112 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

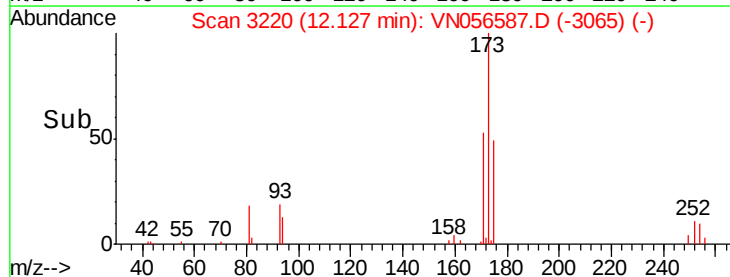
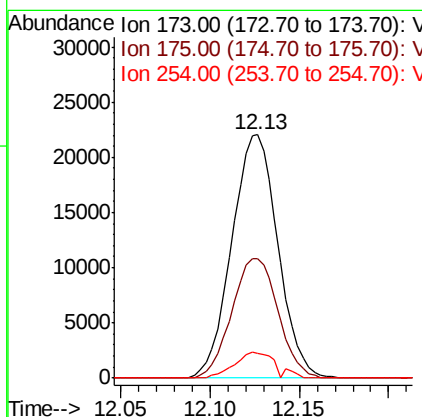
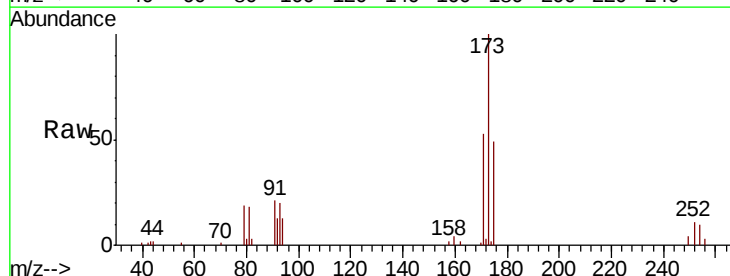
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

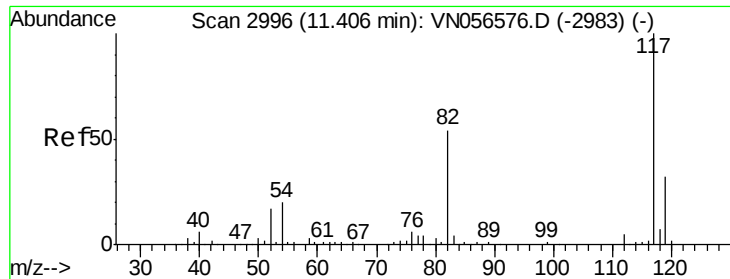
Tot Ion: 63 Resp: 242473
Ion Ratio Lower Upper
63 100
65 31.9 25.5 38.3
106 26.9 23.0 34.4



#56
Bromoform
Concen: 17.010 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 173 Resp: 39735
Ion Ratio Lower Upper
173 100
175 49.1 38.7 58.1
254 8.5 6.6 9.8

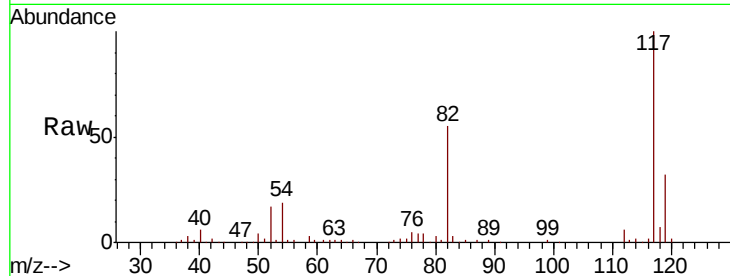




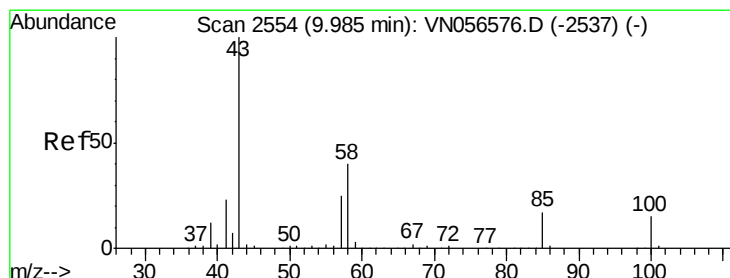
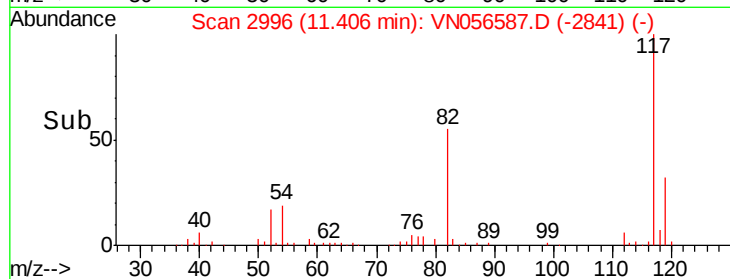
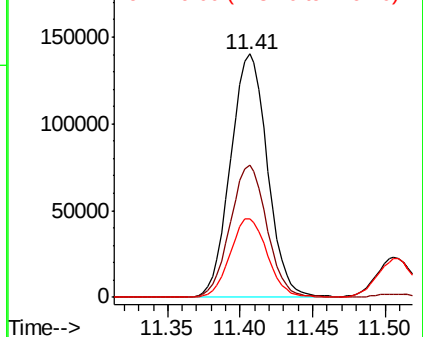
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 248634
Ion Ratio Lower Upper
117 100
82 54.0 41.2 61.8
119 32.7 26.2 39.2

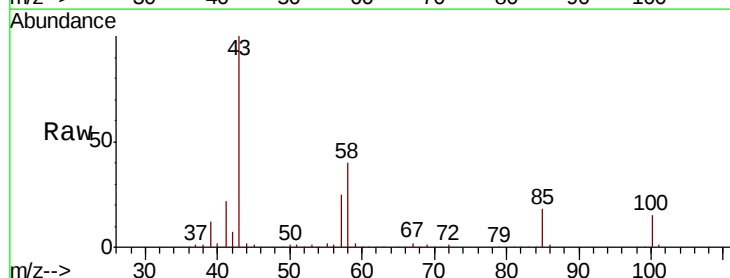


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

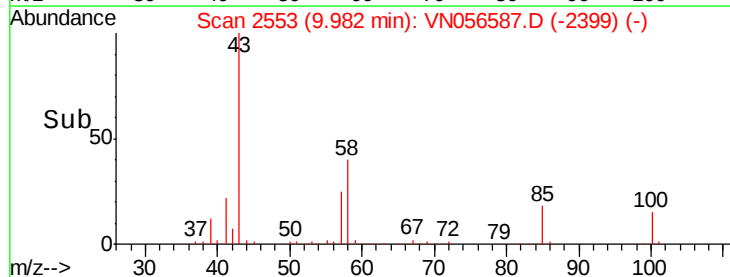
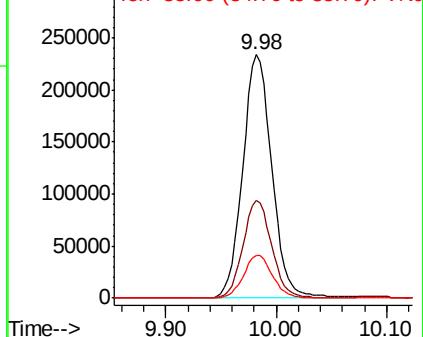


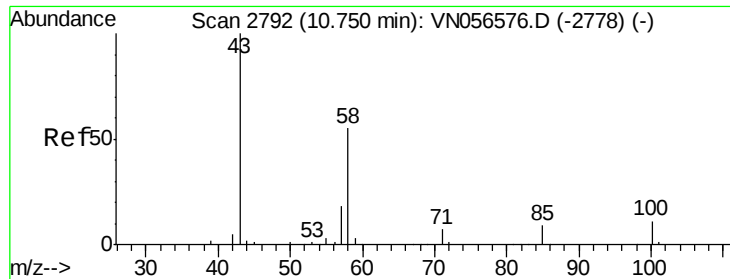
#58
4-Methyl-2-Pentanone
Concen: 95.216 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 425653
Ion Ratio Lower Upper
43 100
58 39.7 33.1 49.7
85 17.6 15.5 23.3



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

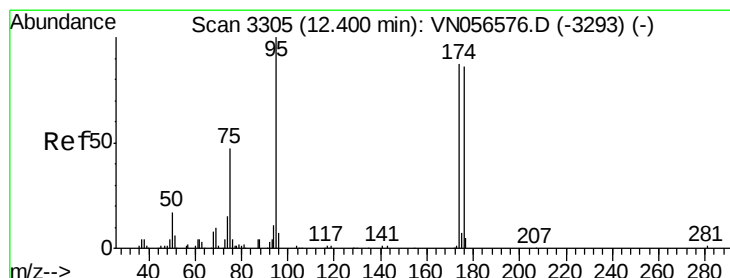
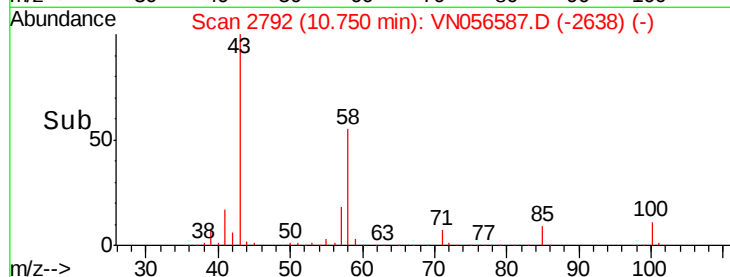
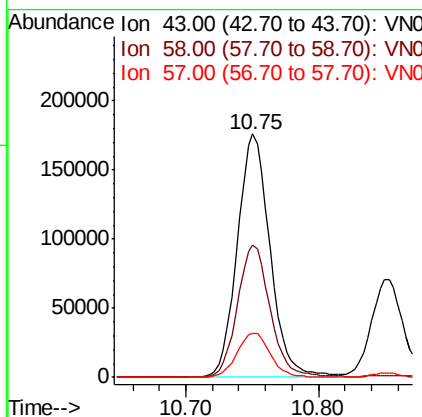
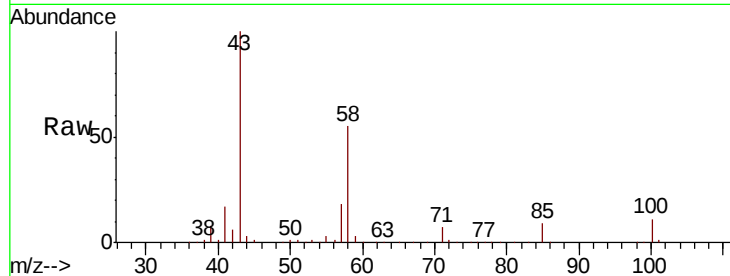




#59
2-Hexanone
Concen: 90.984 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

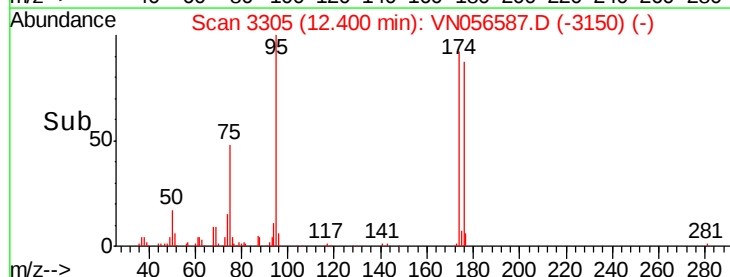
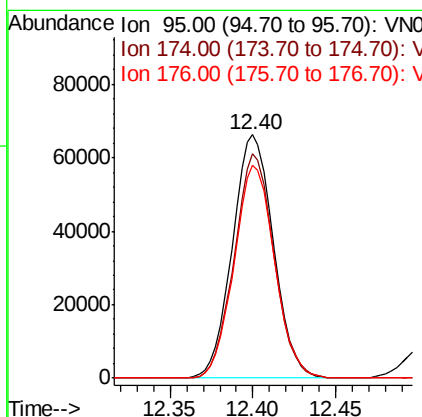
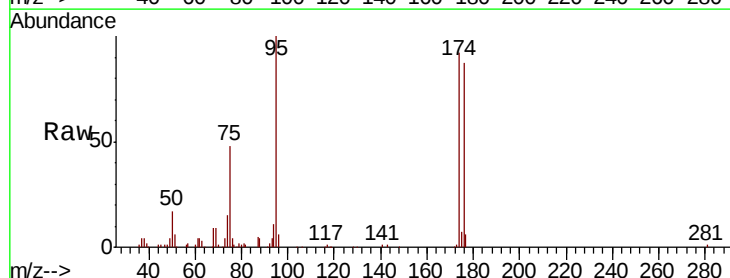
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

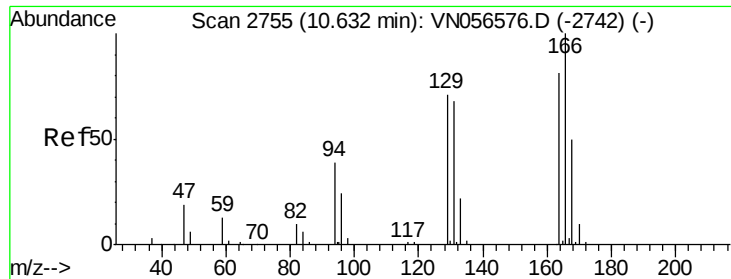
Tot Ion: 43 Resp: 301815
Ion Ratio Lower Upper
43 100
58 54.7 45.3 67.9
57 18.6 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.810 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 95 Resp: 113891
Ion Ratio Lower Upper
95 100
174 89.4 75.4 113.0
176 86.4 73.9 110.9

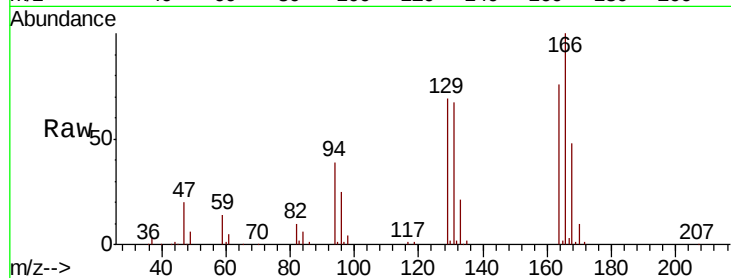




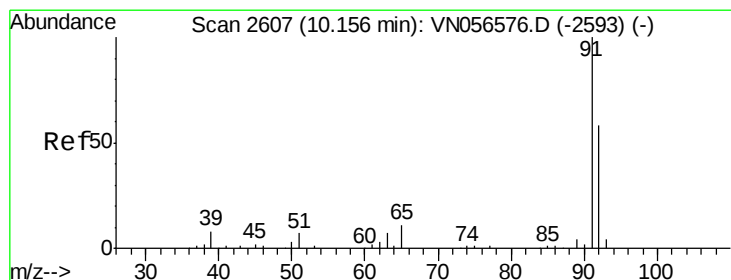
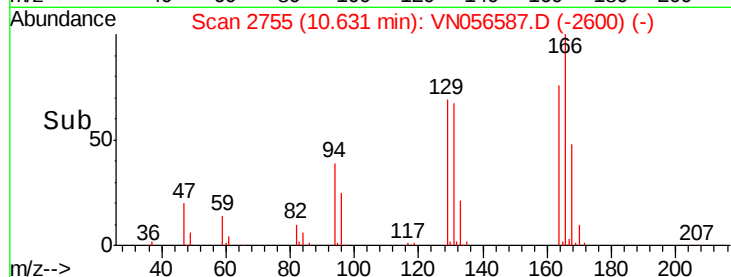
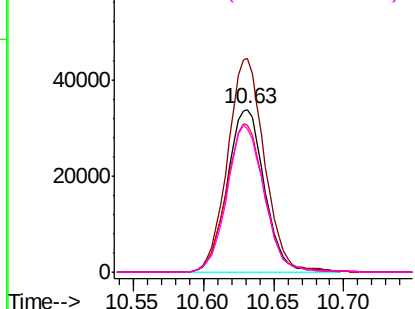
#61
Tetrachloroethene
Concen: 20.076 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 62650
Ion Ratio Lower Upper
164 100
166 131.2 104.3 156.5
129 90.6 71.5 107.3
131 88.5 67.7 101.5

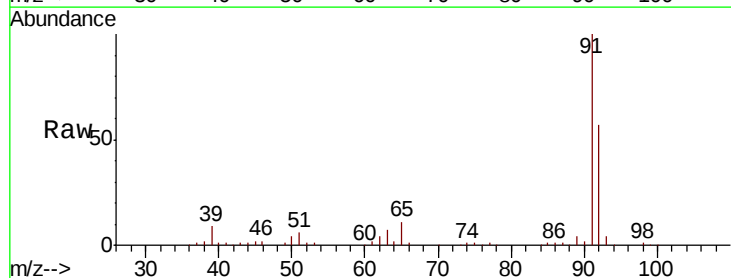


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

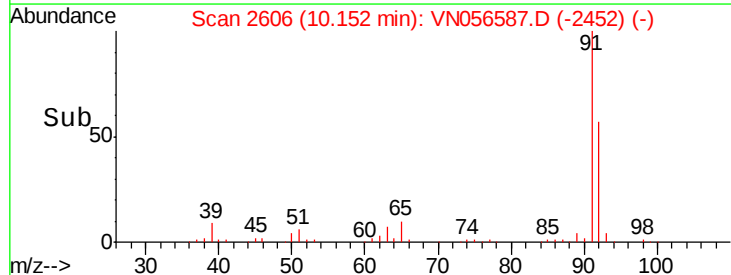
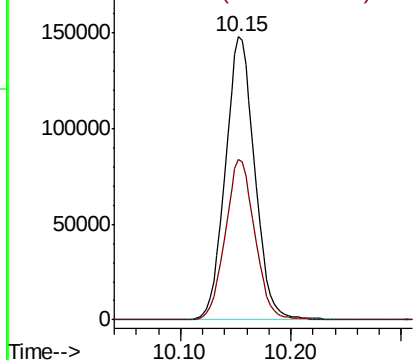


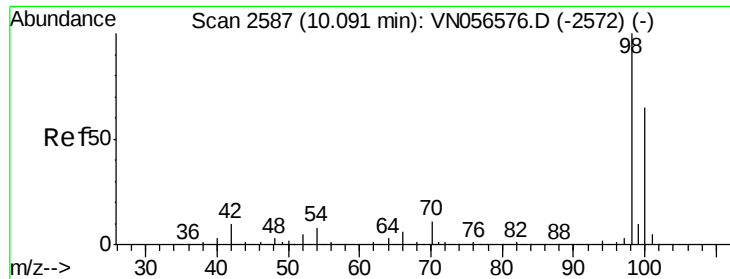
#62
Toluene
Concen: 19.664 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 91 Resp: 272862
Ion Ratio Lower Upper
91 100
92 57.2 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.477 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

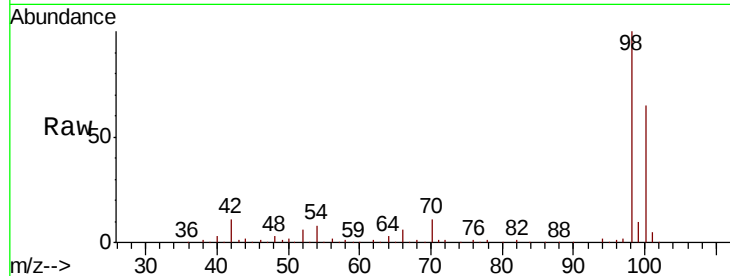
VSTDCCC020EC

Tot Ion: 98 Resp: 352127

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056587.D (-2432) (-)

10.09

200000

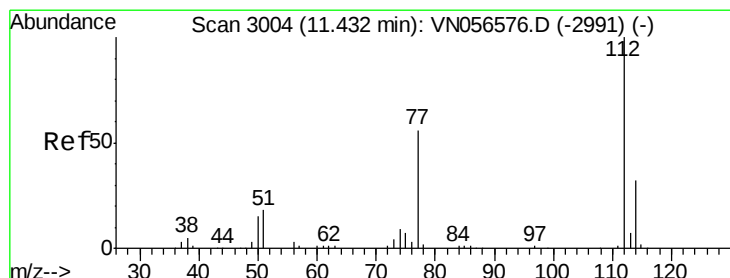
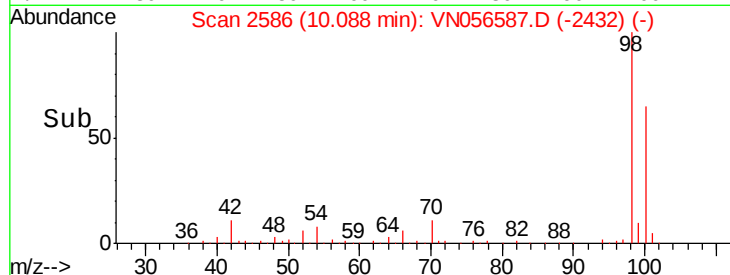
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.456 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056587.D

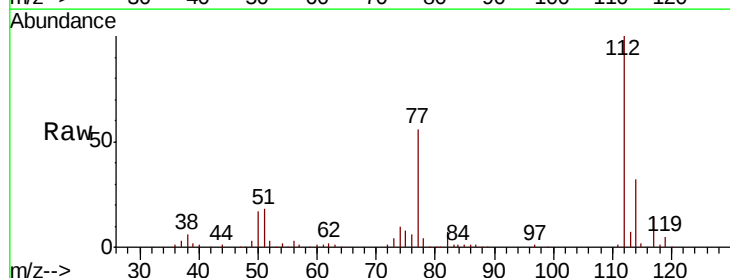
Acq: 3 Jul 2019 15:17

Tgt Ion: 112 Resp: 162656

Ion Ratio Lower Upper

112 100

114 32.4 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056587.D (-2849) (-)

11.43

100000

80000

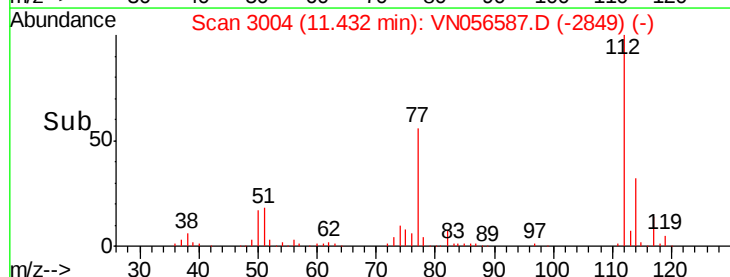
60000

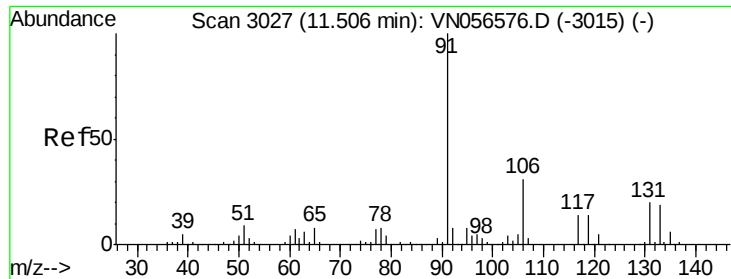
40000

20000

0

Time-->

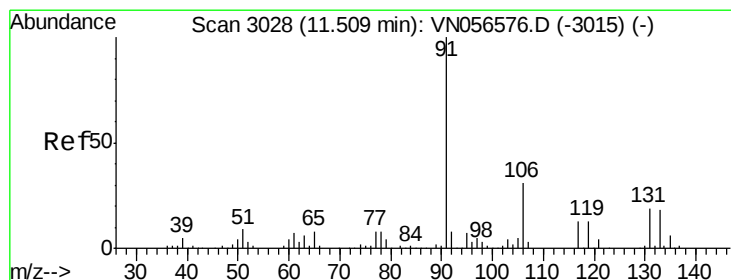
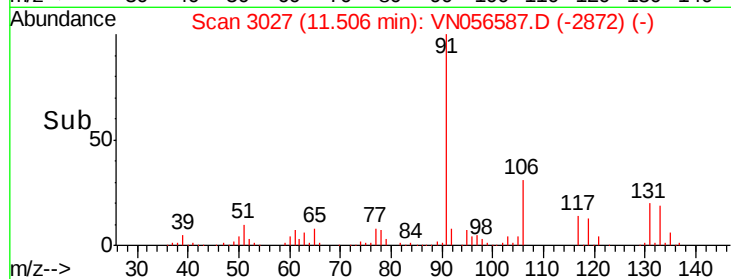
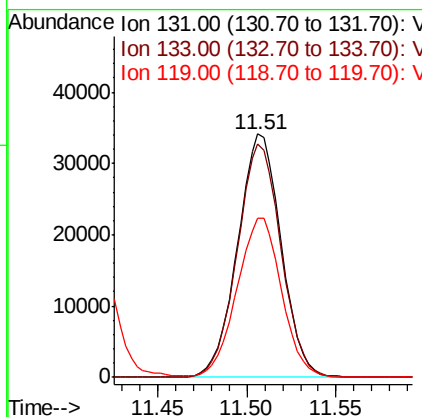
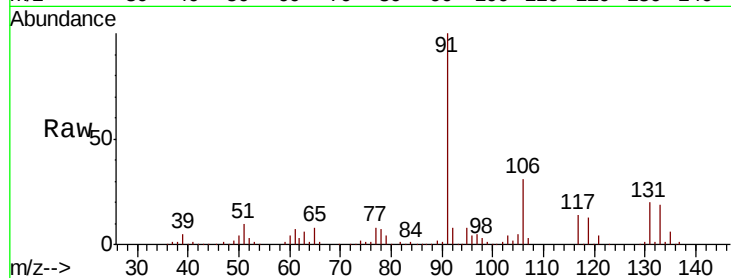




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.285 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

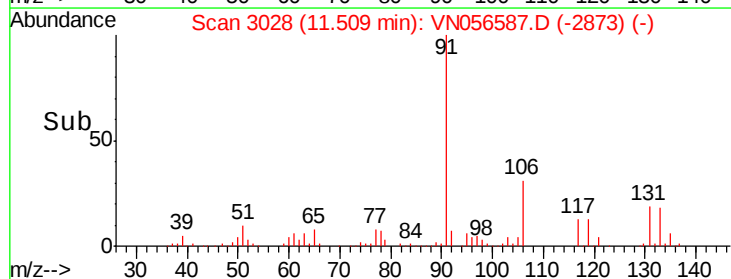
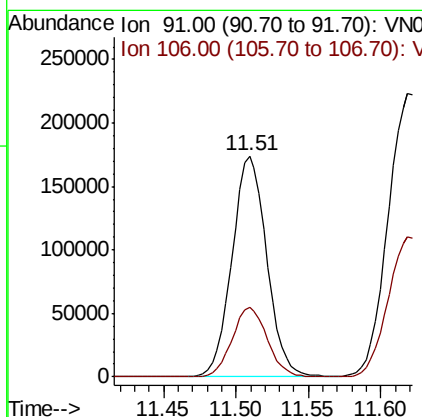
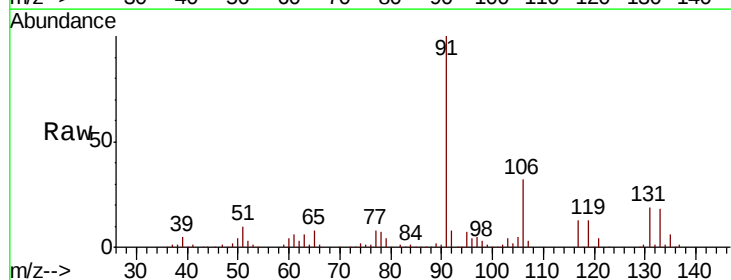
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

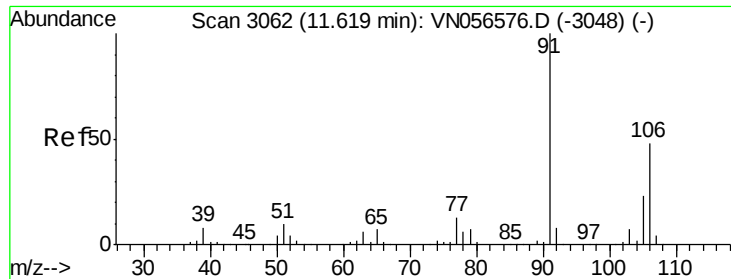
Tot Ion:131 Resp: 58064
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 193.8
 119 67.1 0.0 134.4



#66
 Ethyl Benzene
 Concen: 19.265 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 91 Resp: 289856
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.7 38.5

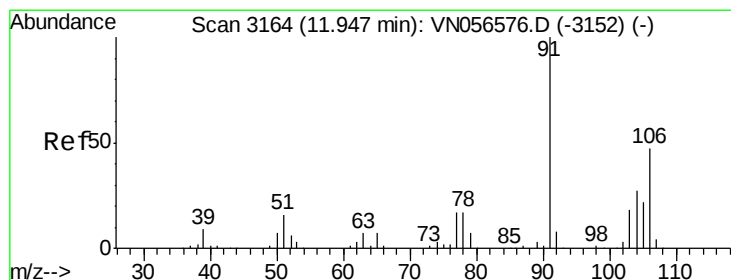
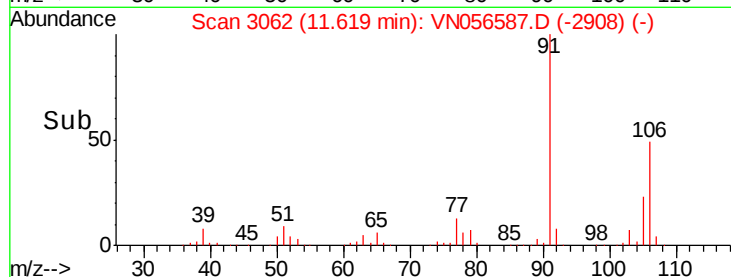
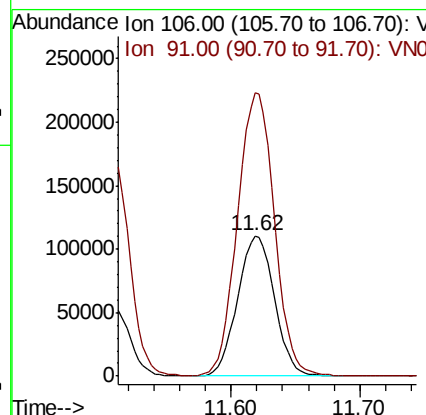
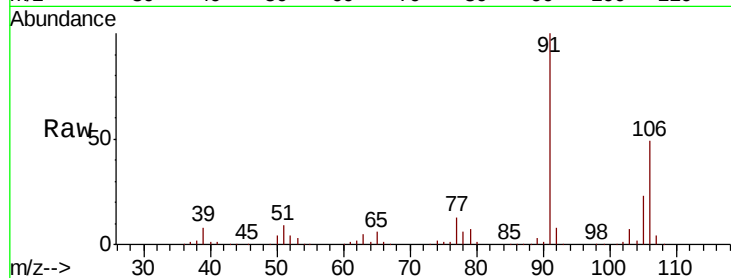




#67
m/p-Xvlenes
Concen: 39.584 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

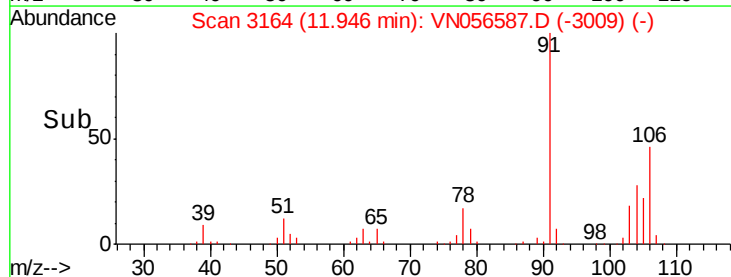
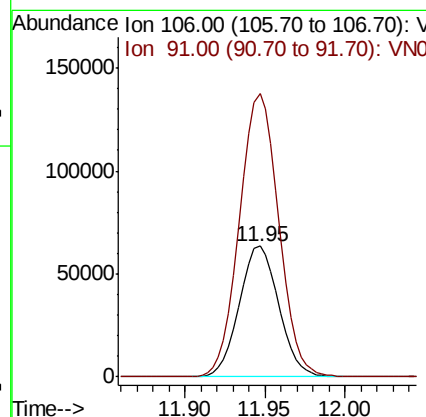
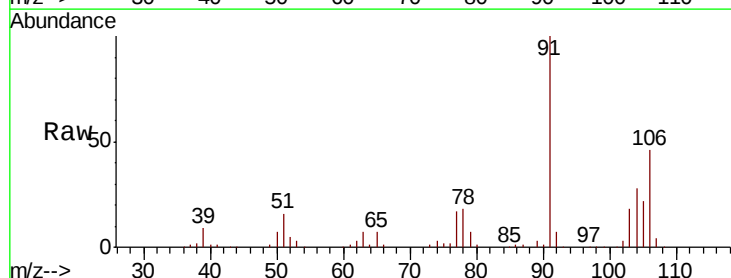
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

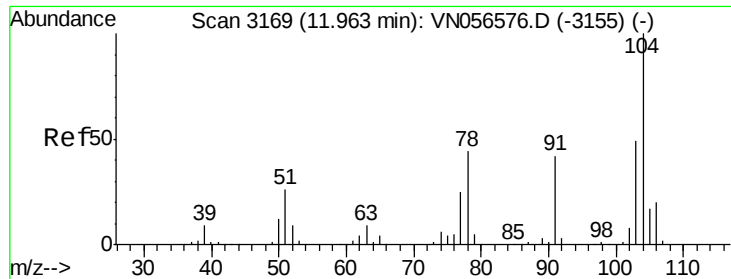
Tot Ion:106 Resp: 219792
Ion Ratio Lower Upper
106 100
91 201.9 155.7 233.5



#68
o-Xylene
Concen: 19.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion:106 Resp: 106869
Ion Ratio Lower Upper
106 100
91 215.3 103.9 311.7

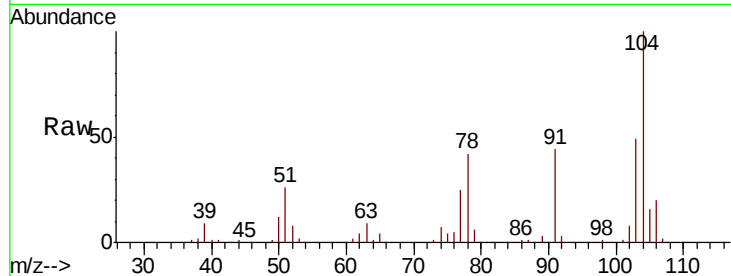




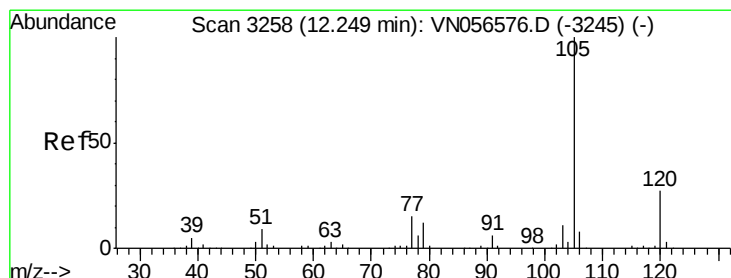
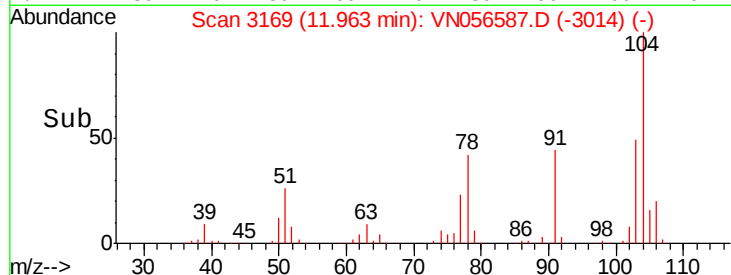
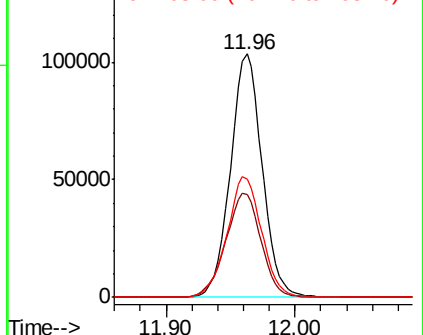
#69
Stvrene
Concen: 19.368 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 176949
Ion Ratio Lower Upper
104 100
78 47.3 37.0 55.6
103 54.2 44.4 66.6

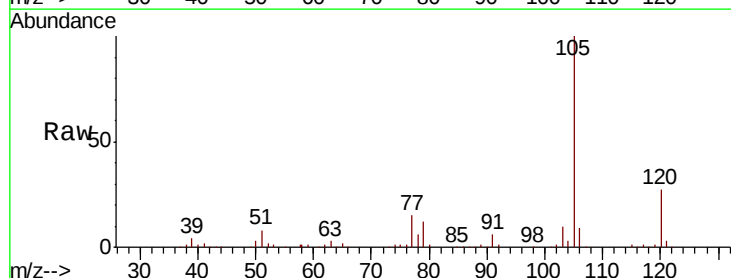


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

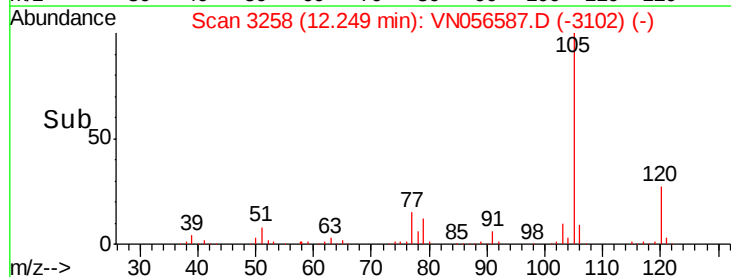
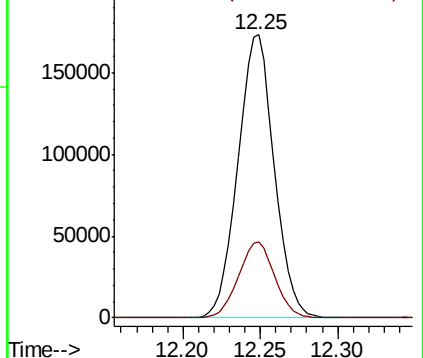


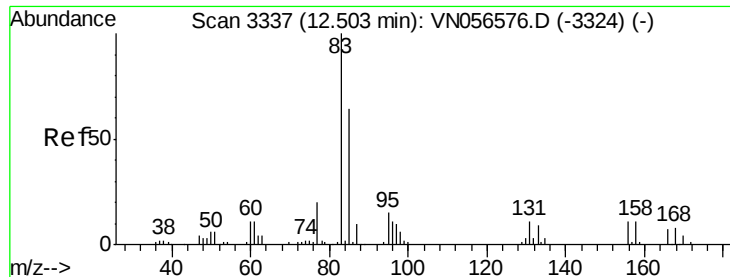
#70
Isopropylbenzene
Concen: 19.712 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion:105 Resp: 282419
Ion Ratio Lower Upper
105 100
120 26.8 19.3 35.8



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

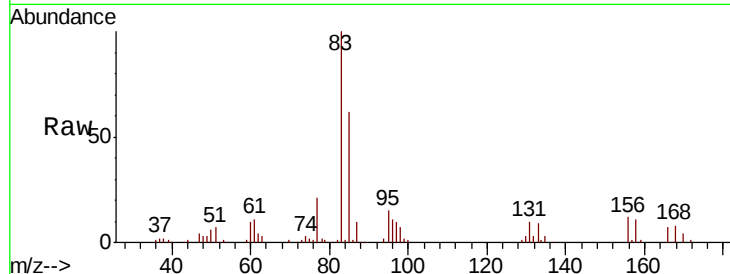




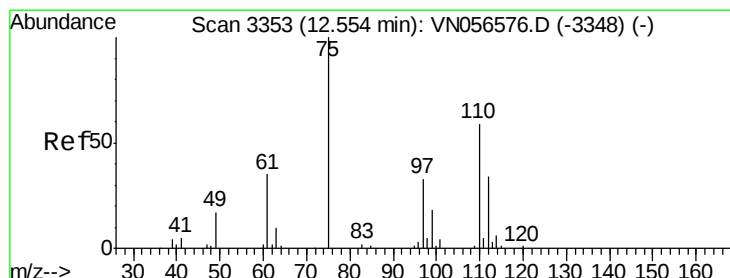
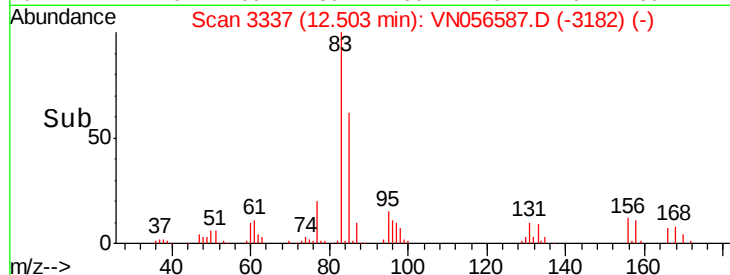
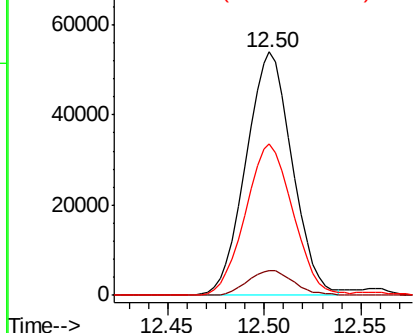
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.914 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 83 Resp: 89591
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.2 15.6
 85 63.8 31.6 94.7

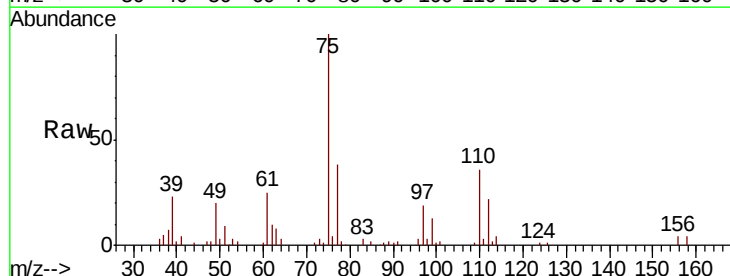


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

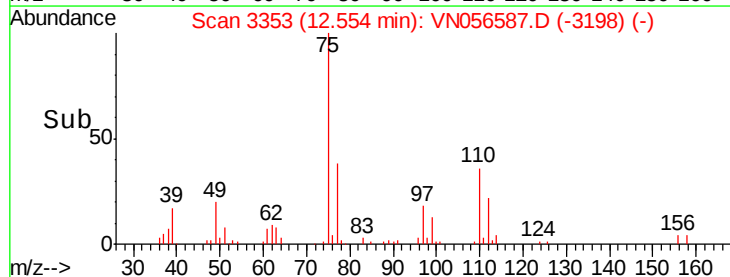
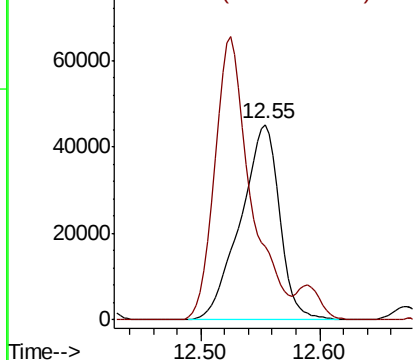


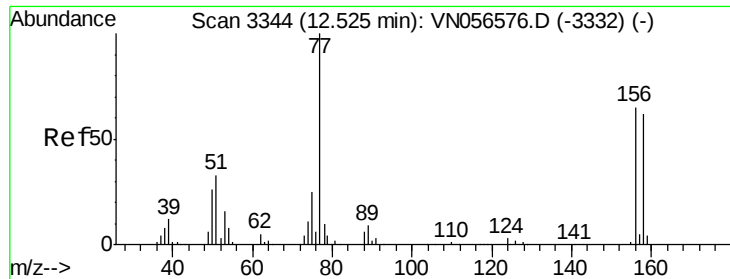
#72
 1,2,3-Trichloropropane
 Concen: 25.825 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 75 Resp: 102868
 Ion Ratio Lower Upper
 75 100
 77 132.9 0.0 350.0



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





#73

Bromobenzene

Concen: 19.145 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

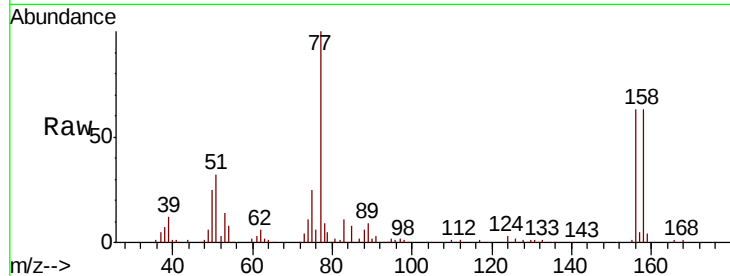
Tot Ion:156 Resp: 70742

Ion Ratio Lower Upper

156 100

77 193.3 0.0 350.8

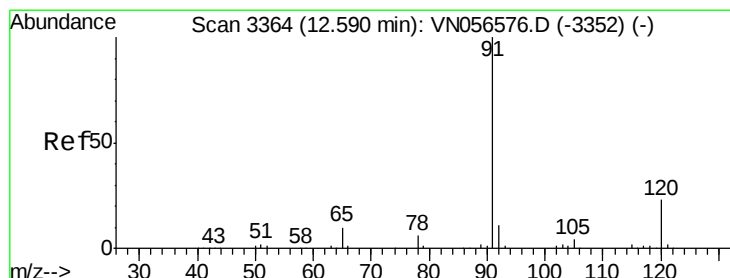
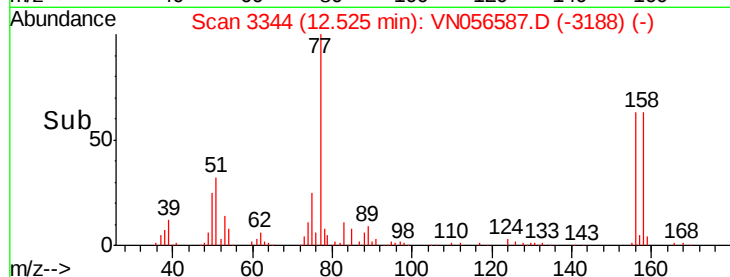
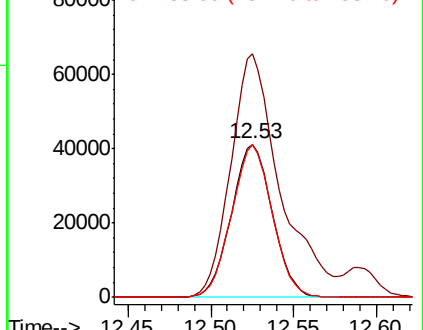
158 98.8 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.361 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056587.D

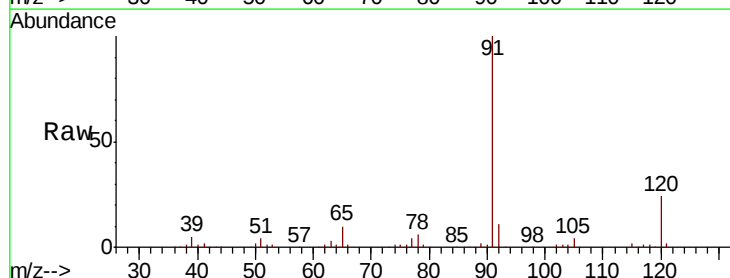
Acq: 3 Jul 2019 15:17

Tgt Ion: 91 Resp: 314705

Ion Ratio Lower Upper

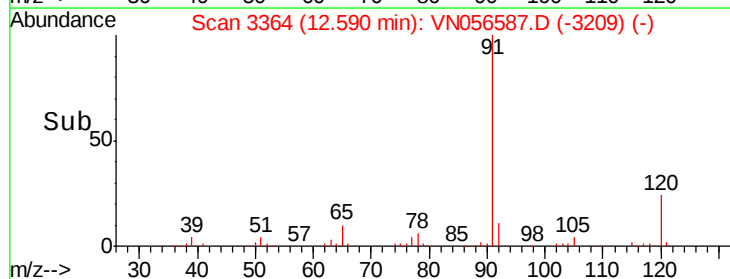
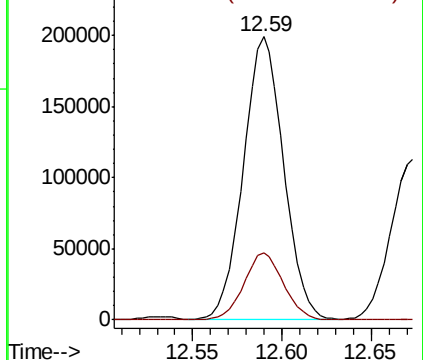
91 100

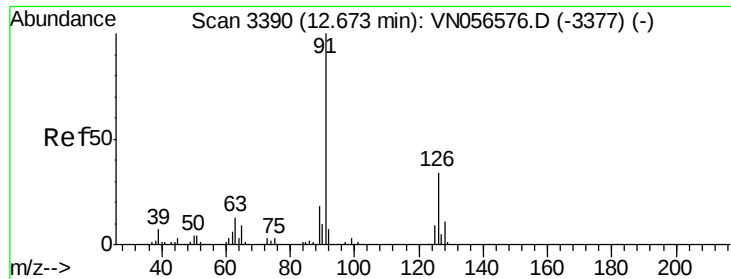
120 23.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.650 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

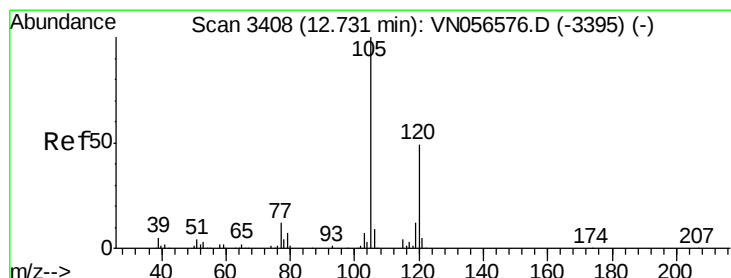
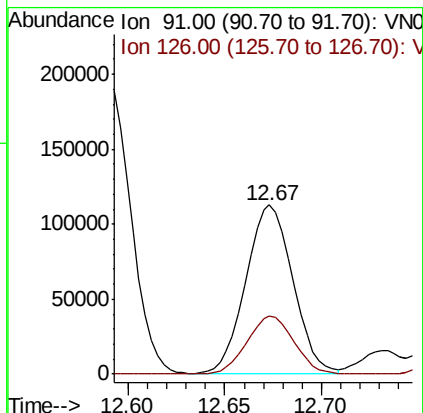
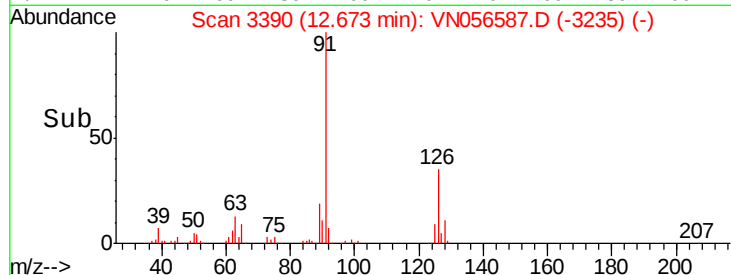
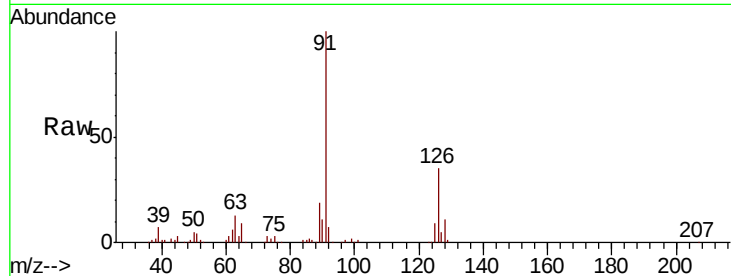
VSTDCCC020EC

Tot Ion: 91 Resp: 190996

Ion Ratio Lower Upper

91 100

126 34.5 0.0 72.4



#76

1,3,5-Trimethylbenzene

Concen: 19.995 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056587.D

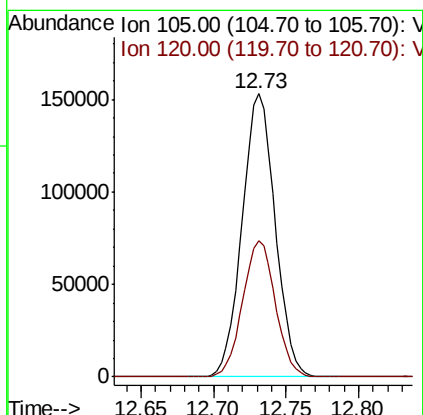
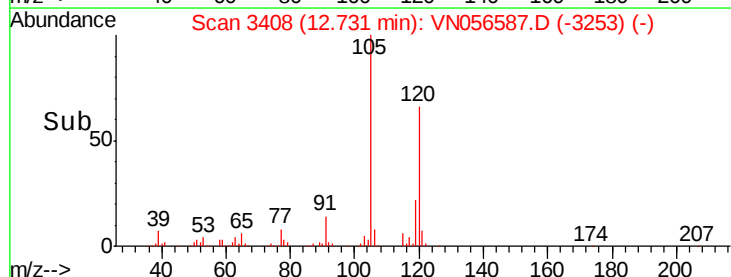
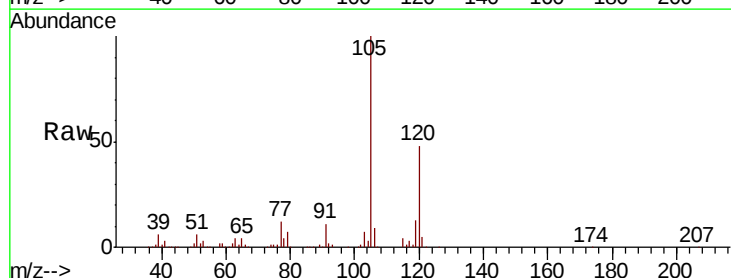
Acq: 3 Jul 2019 15:17

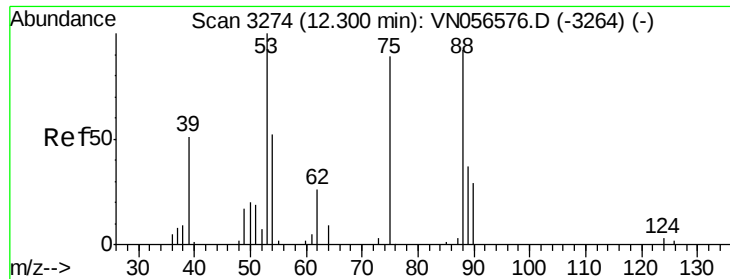
Tgt Ion: 105 Resp: 242582

Ion Ratio Lower Upper

105 100

120 47.6 0.0 100.6

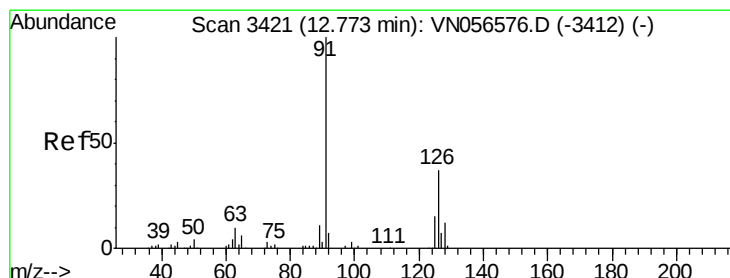
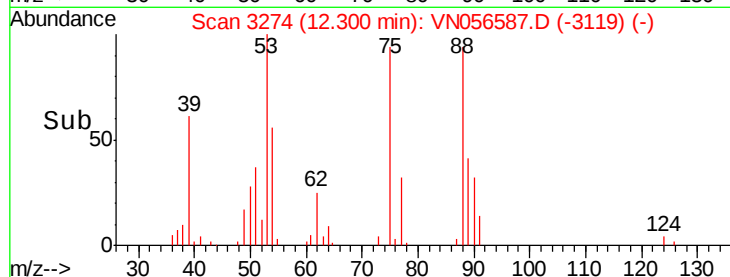
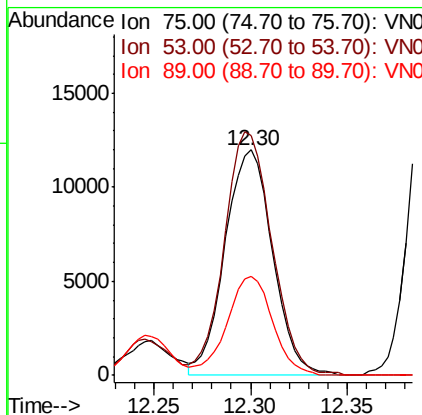
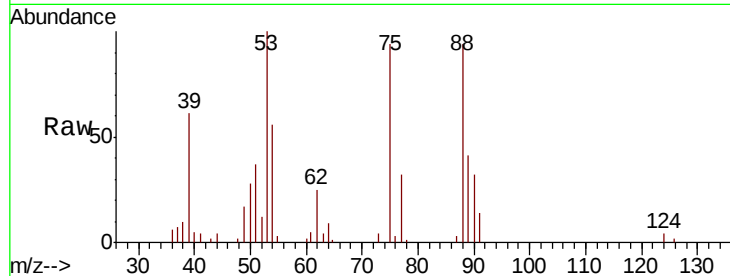




#77
t-1,4-Dichloro-2-butene
Concen: 16.145 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

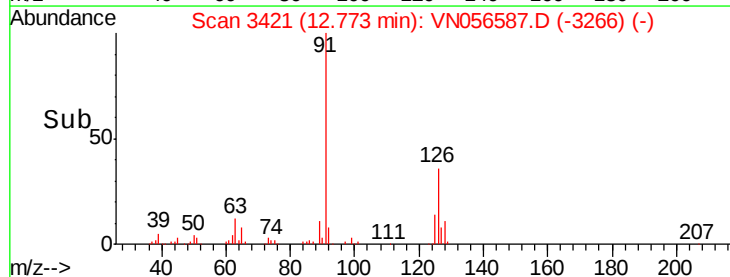
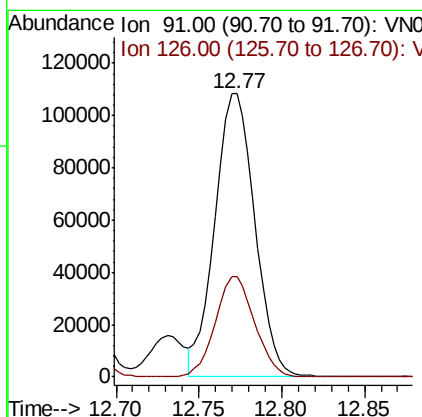
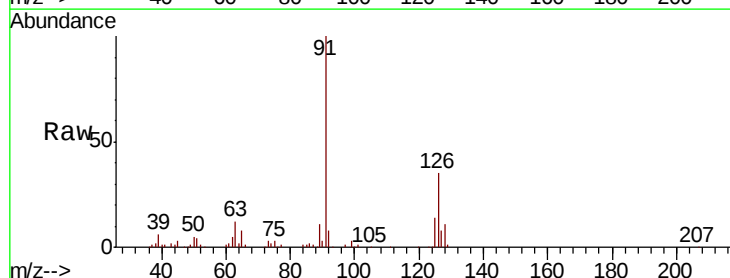
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

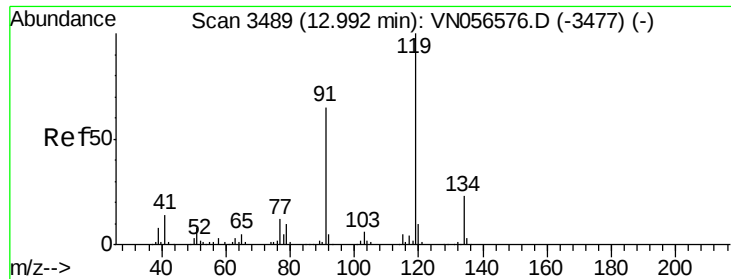
Tot Ion: 75 Resp: 20599
Ion Ratio Lower Upper
75 100
53 104.6 48.0 144.0
89 43.9 22.5 67.5



#78
4-Chlorotoluene
Concen: 19.204 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 91 Resp: 181533
Ion Ratio Lower Upper
91 100
126 34.8 0.0 71.8

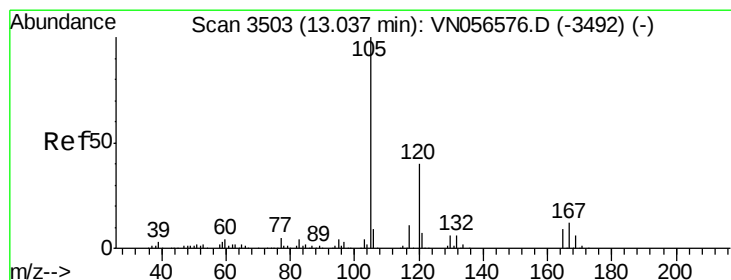
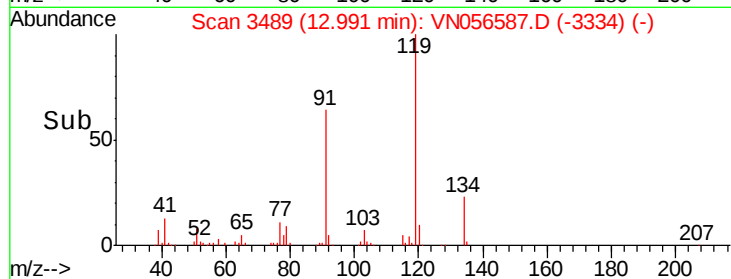
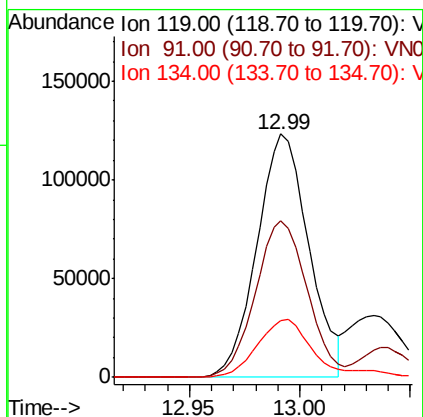
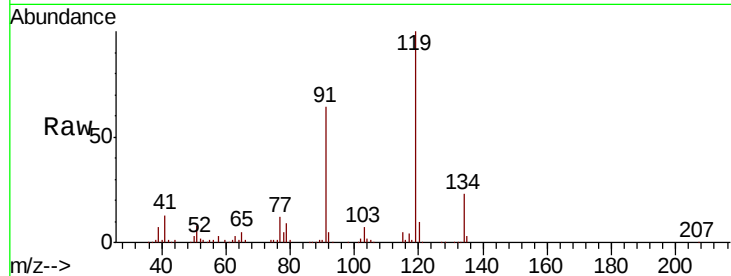




#79
tert-butylbenzene
Concen: 19.402 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

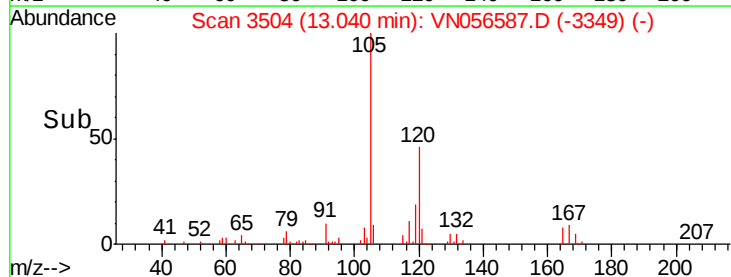
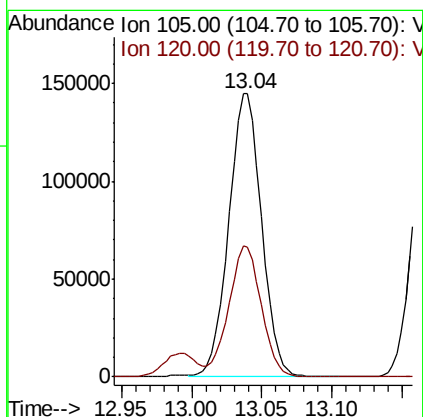
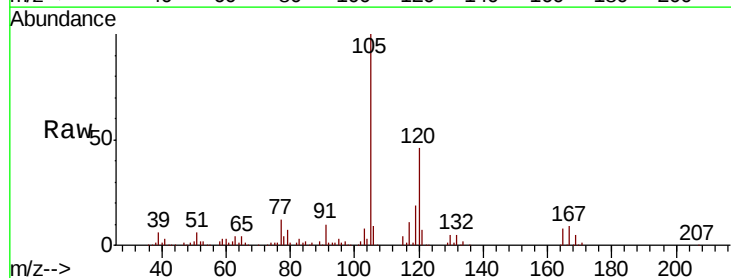
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

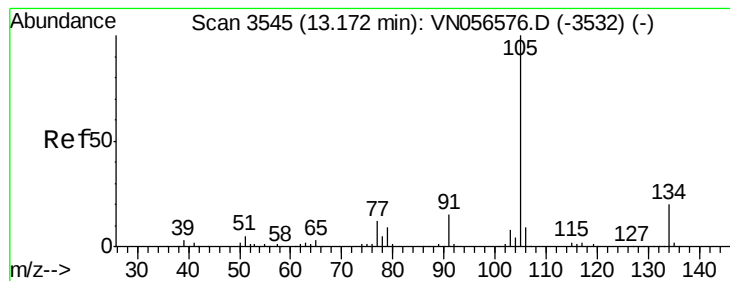
Tot Ion:119 Resp: 201113
Ion Ratio Lower Upper
119 100
91 64.4 0.0 122.8
134 26.5 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 19.647 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion:105 Resp: 235423
Ion Ratio Lower Upper
105 100
120 45.5 0.0 93.4





#81

sec-Butylbenzene

Concen: 19.571 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

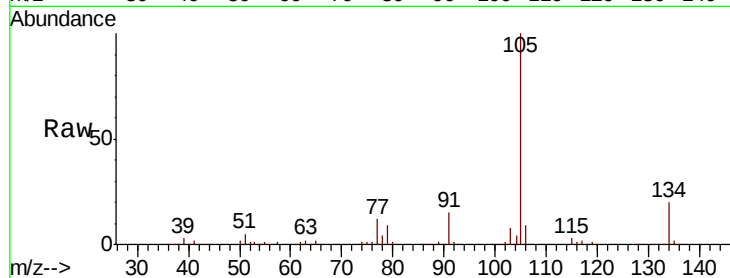
VSTDCCC020EC

Tot Ion:105 Resp: 269022

Ion Ratio Lower Upper

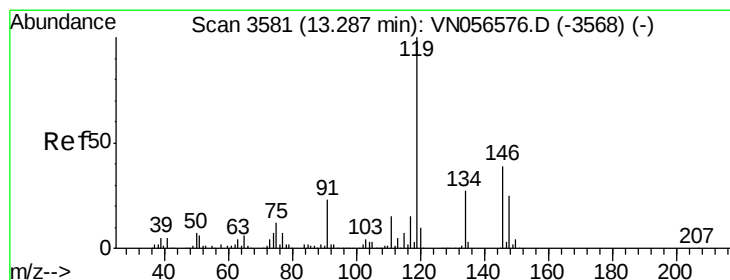
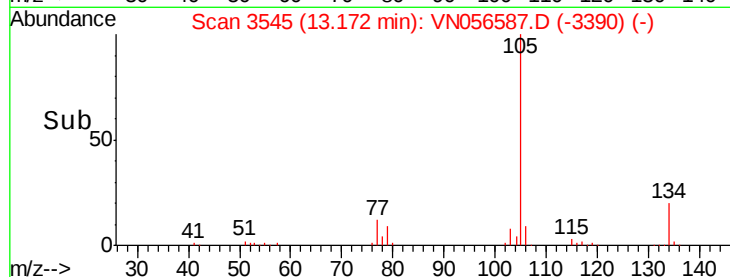
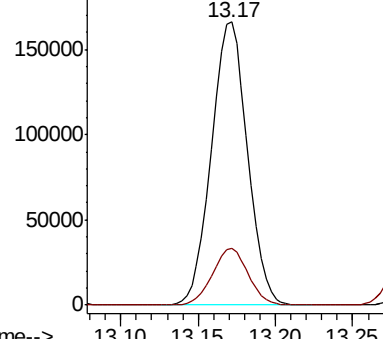
105 100

134 19.8 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.626 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

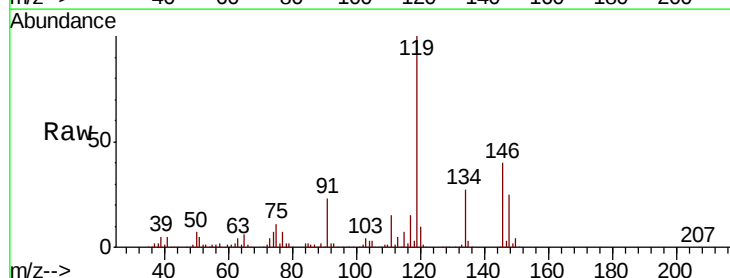
Tgt Ion:119 Resp: 242553

Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.4

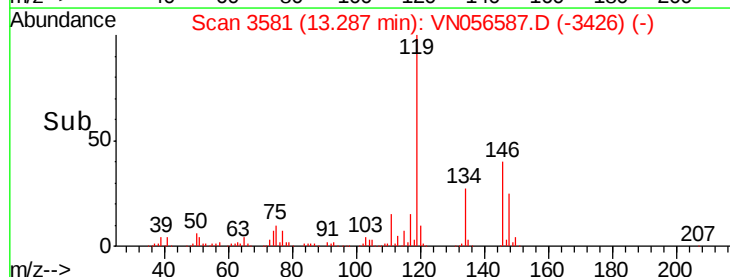
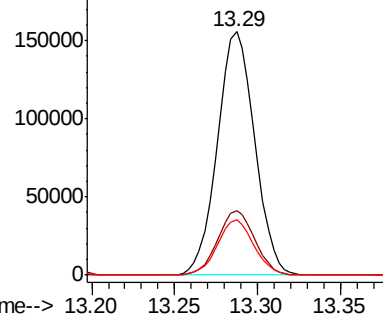
91 22.2 0.0 43.0

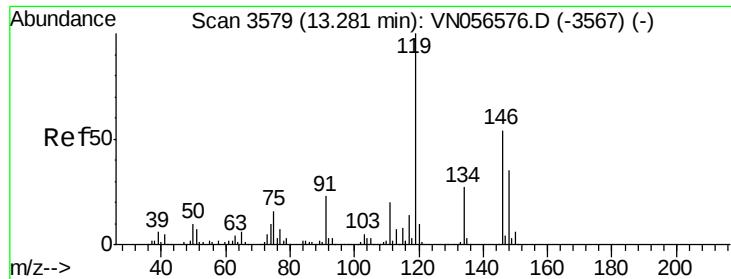


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

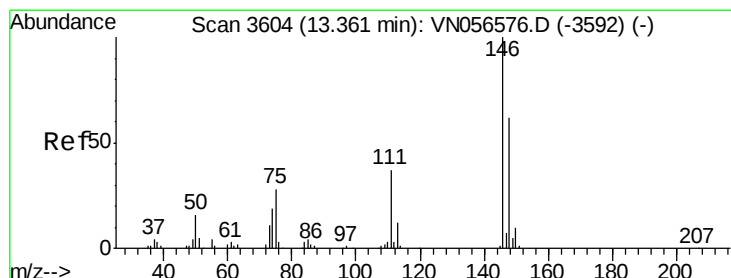
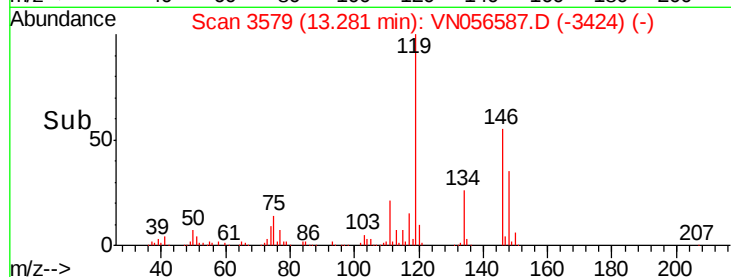
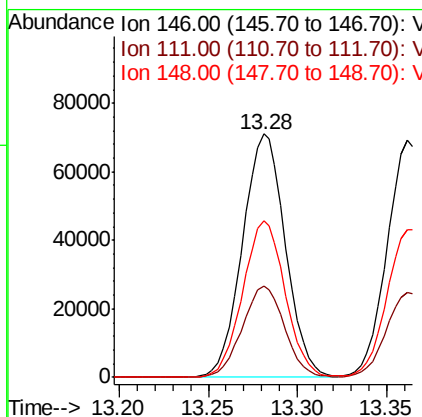
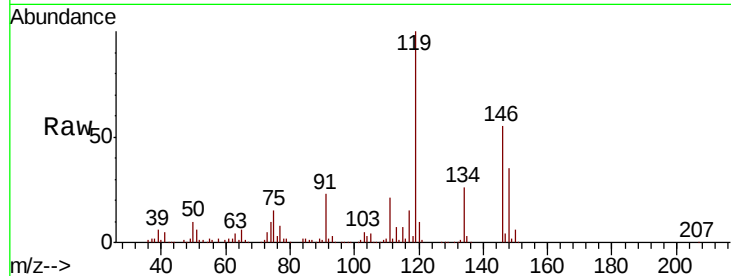




#83
 1,3-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

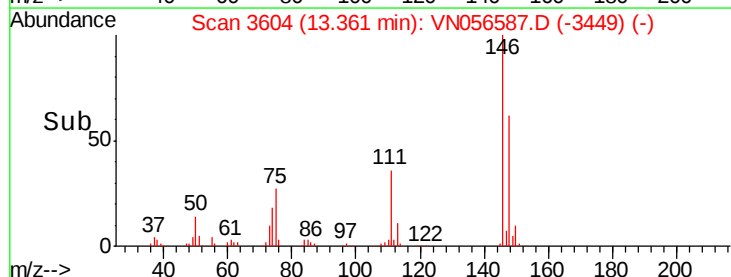
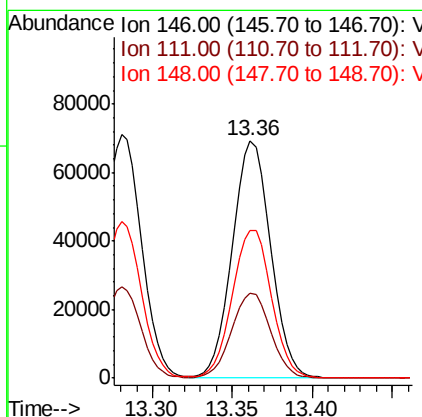
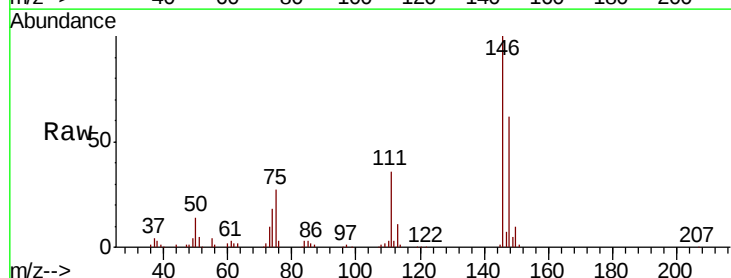
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

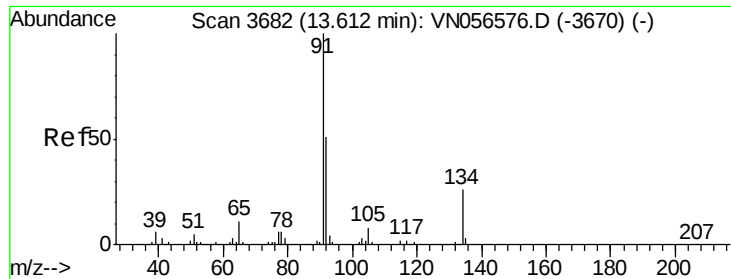
Tot Ion:146 Resp: 119516
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.2 54.6
 148 63.4 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.139 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion:146 Resp: 113292
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.6 52.9
 148 63.6 32.1 96.3





#85

n-Butylbenzene

Concen: 18.710 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

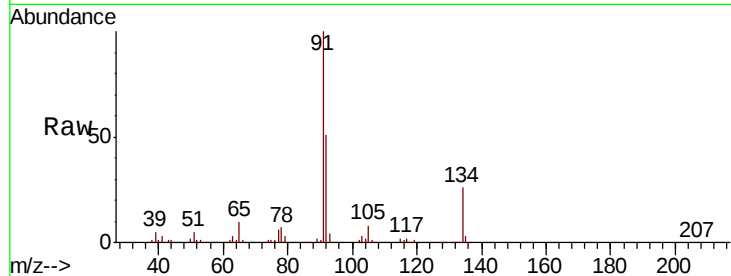
Tot Ion: 91 Resp: 194322

Ion Ratio Lower Upper

91 100

92 51.9 0.0 107.2

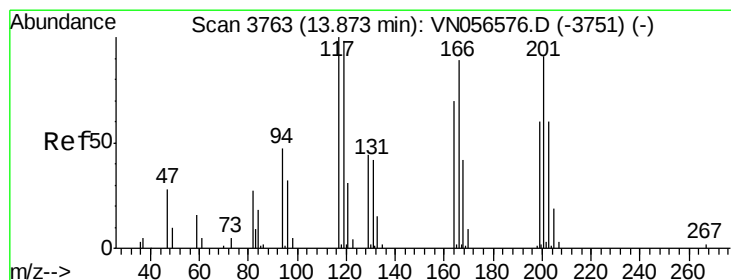
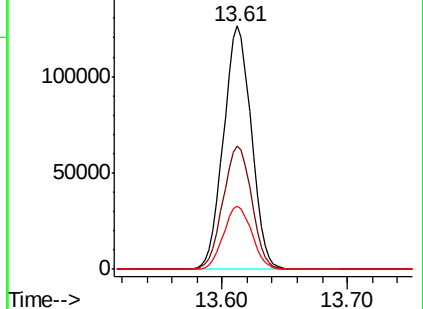
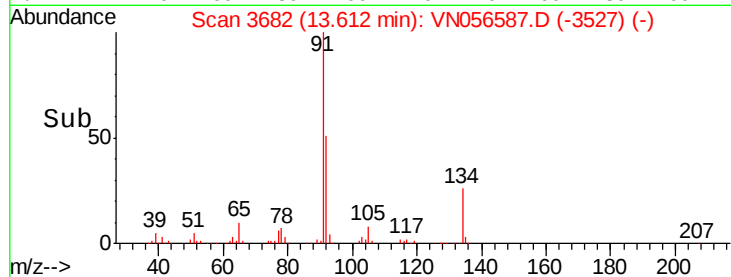
134 26.3 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056587.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN056587.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN056587.D (-3527) (-)



#86

Hexachloroethane

Concen: 18.406 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056587.D

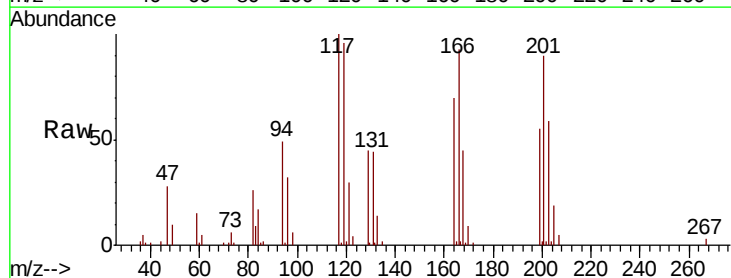
Acq: 3 Jul 2019 15:17

Tgt Ion: 117 Resp: 34300

Ion Ratio Lower Upper

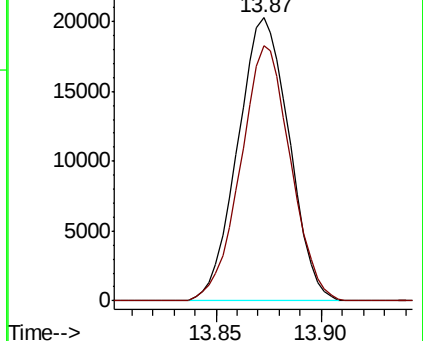
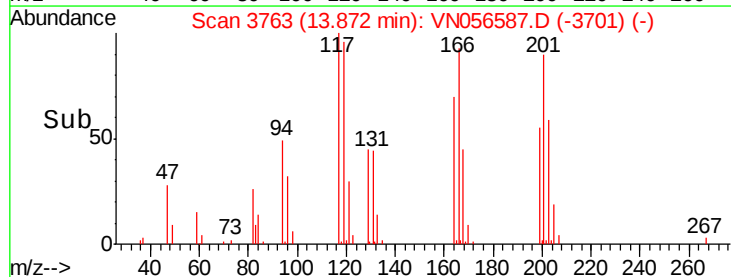
117 100

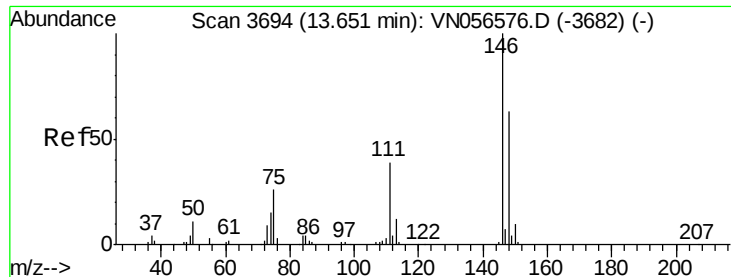
201 87.5 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056587.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056587.D (-3701) (-)

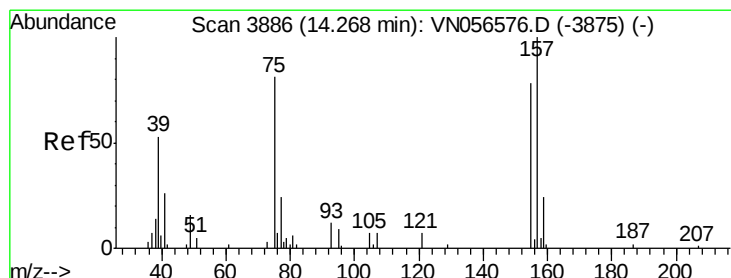
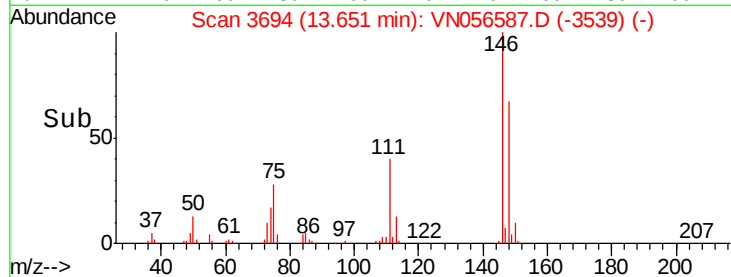
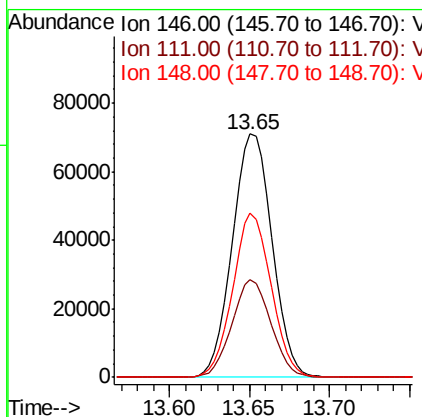
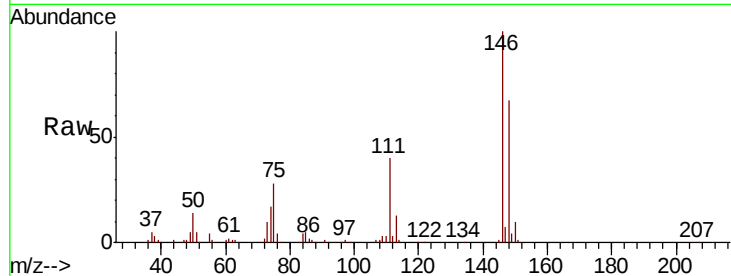




#87
 1,2-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

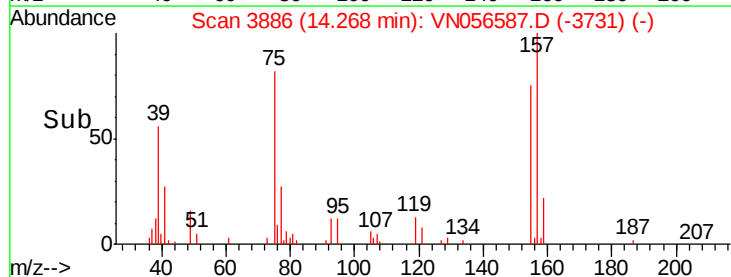
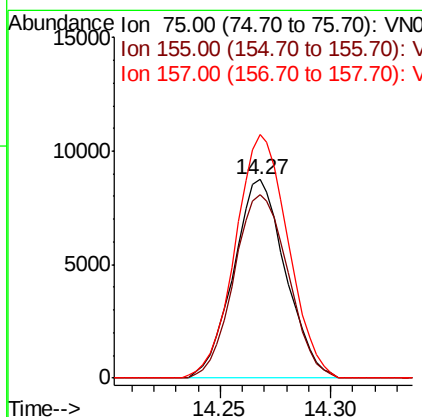
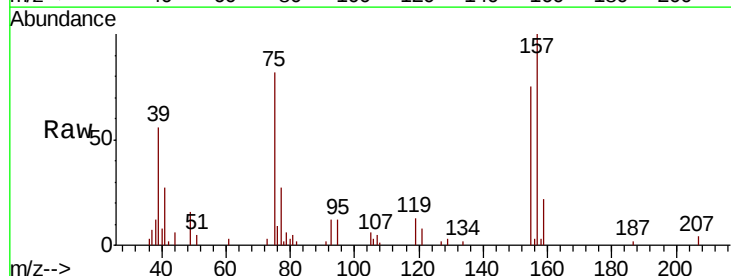
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

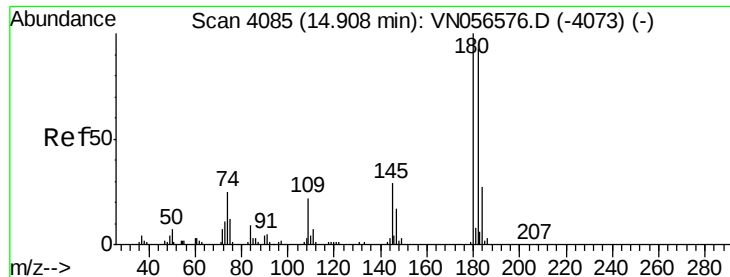
Tot Ion:146 Resp: 120278
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.3 57.9
 148 64.7 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.913 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 75 Resp: 14355
 Ion Ratio Lower Upper
 75 100
 155 95.6 82.5 123.7
 157 124.1 105.1 157.7

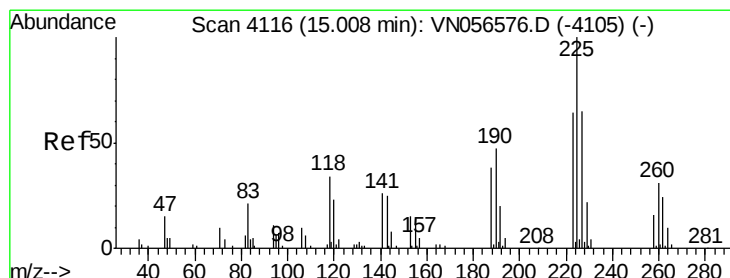
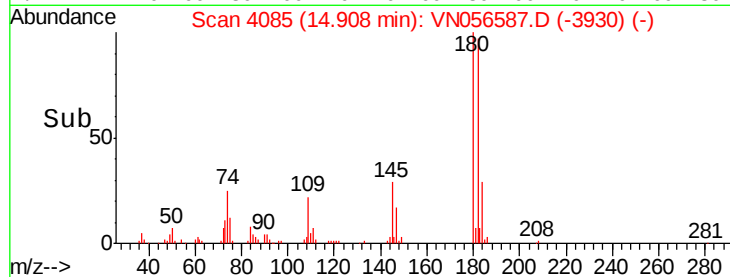
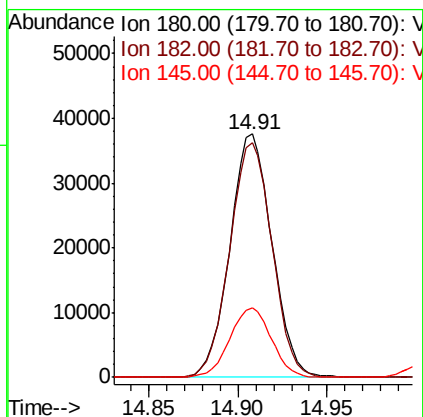
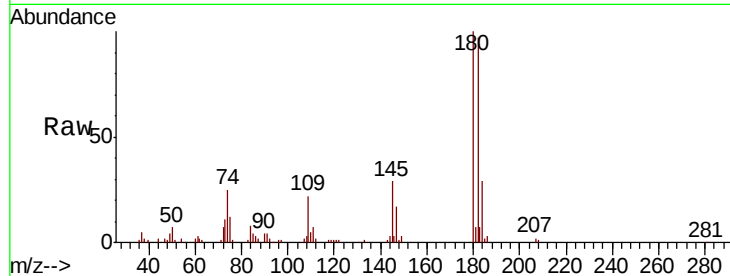




#89
 1,2,4-Trichlorobenzene
 Concen: 17.889 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

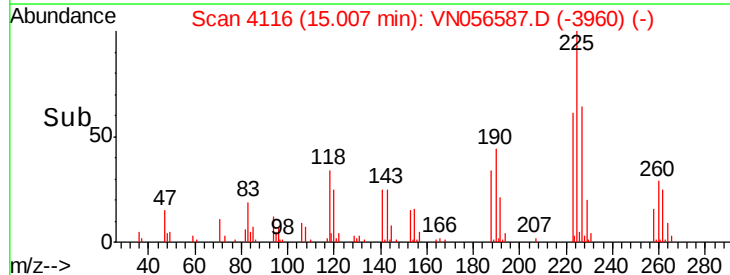
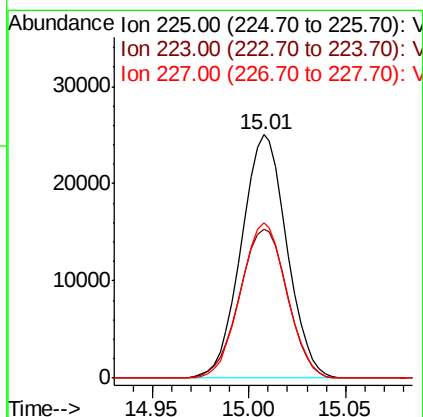
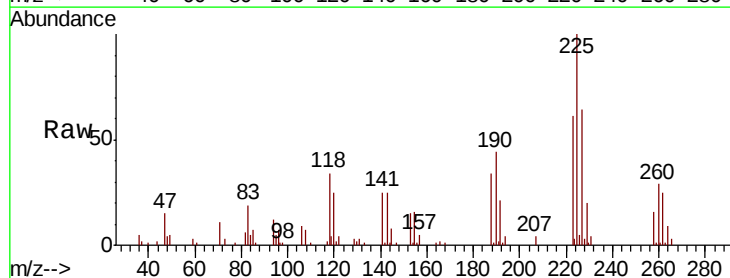
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

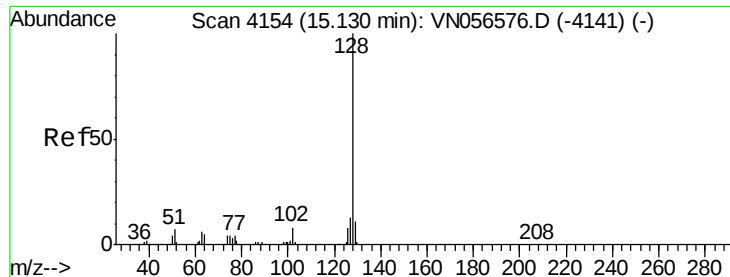
Tot Ion:180 Resp: 61614
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.0 112.6
 145 28.0 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 19.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion:225 Resp: 41021
 Ion Ratio Lower Upper
 225 100
 223 64.3 0.0 125.6
 227 64.5 0.0 128.6





#91

Naphthalene

Concen: 16.864 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

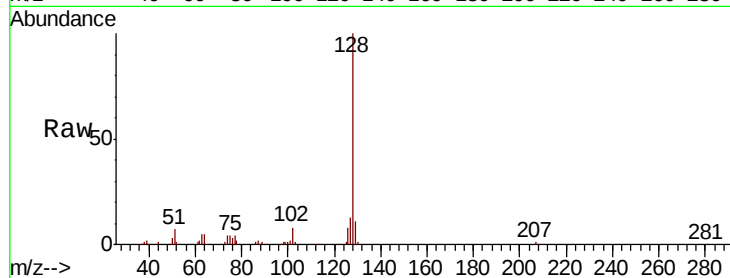
Tot Ion:128 Resp: 163003

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

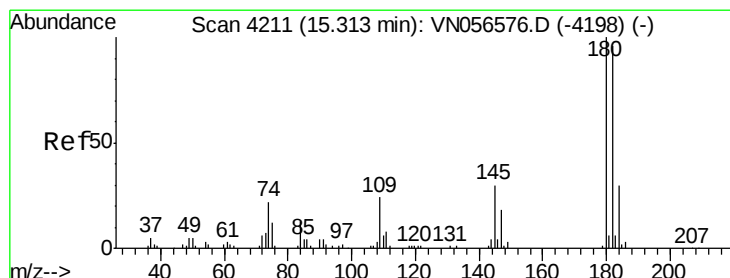
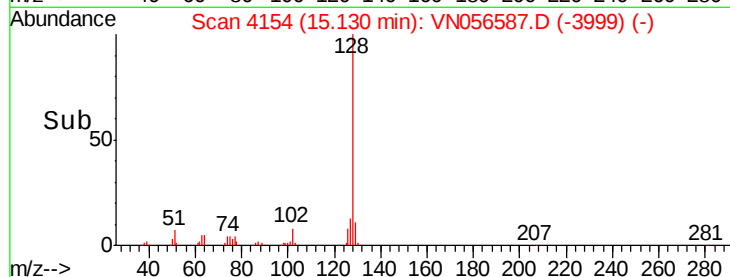
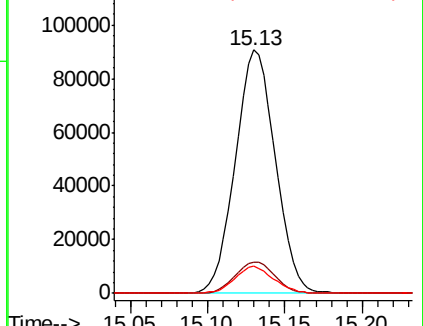
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.911 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

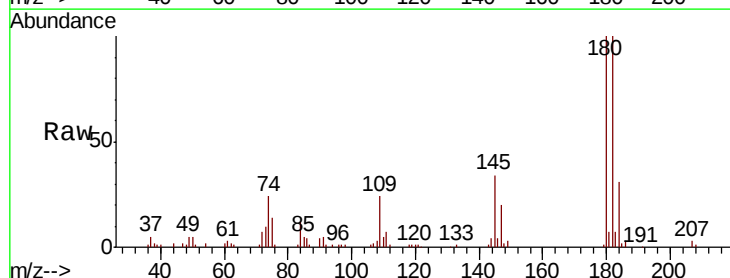
Tgt Ion:180 Resp: 64760

Ion Ratio Lower Upper

180 100

182 97.1 0.0 193.4

145 32.0 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

