

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059474.D
 Acq On : 3 Dec 2019 17:31
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVN120319

Quant Time: Dec 03 18:03:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	556695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	507152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242951	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	216798	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.56	113	170995	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.08	98	674191	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	242829	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	187538	47.432	ug/l	100
3) Chloromethane	2.04	50	254436	48.014	ug/l	99
4) Vinyl Chloride	2.17	62	153644	48.317	ug/l	99
5) Bromomethane	2.54	94	92097	47.658	ug/l	98
6) Chloroethane	2.68	64	90586	48.251	ug/l	98
7) Trichlorofluoromethane	2.99	101	201735	52.529	ug/l	99
8) Diethyl Ether	3.38	74	121463	48.542	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185483	49.200	ug/l	98
10) Methyl Iodide	3.92	142	241430	50.576	ug/l	99
11) Tert butyl alcohol	4.75	59	211263	254.004	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	180515	48.983	ug/l	97
13) Acrolein	3.58	56	168479	233.403	ug/l	99
14) Allyl chloride	4.29	41	353885	48.755	ug/l	99
15) Acrylonitrile	4.95	53	551866	245.258	ug/l	100
16) Acetone	3.79	43	611152	247.905	ug/l	99
17) Carbon Disulfide	4.02	76	579166	46.059	ug/l	99
18) Methyl Acetate	4.29	43	282133	47.483	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	627465	49.957	ug/l	99
20) Methylene Chloride	4.52	84	208054	50.046	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	201967	48.980	ug/l	98
22) Diisopropyl ether	5.92	45	687861	50.915	ug/l	97
23) Vinyl Acetate	5.86	43	2866769	264.446	ug/l	100
24) 1,1-Dichloroethane	5.81	63	381299	49.683	ug/l	99
25) 2-Butanone	6.81	43	805317	240.045	ug/l	99
26) 2,2-Dichloropropane	6.80	77	326497	49.187	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	227416	49.659	ug/l	98
28) Bromochloromethane	7.17	49	142539	47.731	ug/l	98
29) Tetrahydrofuran	7.18	42	505282	239.526	ug/l	100
30) Chloroform	7.35	83	363442	49.047	ug/l	99
31) Cyclohexane	7.63	56	356125	47.891	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	312003	48.444	ug/l	99
36) 1,1-Dichloropropene	7.77	75	289633	49.996	ug/l	99
37) Ethyl Acetate	6.90	43	310021	47.910	ug/l	99
38) Carbon Tetrachloride	7.75	117	276820	49.682	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	356865	51.189	ug/l	99
40) Benzene	8.02	78	850715	50.148	ug/l	98
41) Methacrylonitrile	7.18	41	439387	167.541	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	287920	49.964	ug/l	100
43) Isopropyl Acetate	8.14	43	488070	50.712	ug/l	100
44) Trichloroethene	8.82	130	215796	48.677	ug/l	99
45) 1,2-Dichloropropane	9.10	63	227413	50.177	ug/l	98
46) Dibromomethane	9.19	93	140621	49.835	ug/l	100
47) Bromodichloromethane	9.39	83	287971	50.898	ug/l	99
48) Methyl methacrylate	9.18	41	219123	50.465	ug/l	100
49) 1,4-Dioxane	9.18	88	76846	1169.595	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1480273	259.109	ug/l	100
52) Toluene	10.14	92	519610	50.645	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	336694	50.573	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	364898	51.710	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	202103	49.969	ug/l	99
56) Ethyl methacrylate	10.42	69	318886	48.738	ug/l	99
57) 1,3-Dichloropropane	10.70	76	352083	50.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	511706	230.458	ug/l	100
59) 2-Hexanone	10.74	43	1121699	260.897	ug/l	100
60) Dibromochloromethane	10.90	129	219985	50.940	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208377	49.860	ug/l	98
64) Tetrachloroethene	10.63	164	200298	46.431	ug/l	98
65) Chlorobenzene	11.43	112	541557	48.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	200367	50.296	ug/l	100
67) Ethyl Benzene	11.51	91	991279	51.031	ug/l	100
68) m/p-Xylenes	11.62	106	743804	102.836	ug/l	98
69) o-Xylene	11.95	106	353116	51.280	ug/l	99
70) Styrene	11.96	104	575290	52.335	ug/l	100
71) Bromoform	12.12	173	158023	50.890	ug/l #	99
73) Isopropylbenzene	12.25	105	947702	48.640	ug/l	100
74) N-amyl acetate	12.07	43	398146	50.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	300173	48.029	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	406425	67.280	ug/l #	100
77) Bromobenzene	12.53	156	229011	47.036	ug/l	99
78) n-propylbenzene	12.59	91	1124190	49.581	ug/l	100
79) 2-Chlorotoluene	12.67	91	653437	47.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	811506	49.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112925	49.059	ug/l	100
82) 4-Chlorotoluene	12.77	91	682150	48.372	ug/l	100
83) tert-Butylbenzene	12.99	119	689493	48.775	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	812555	51.064	ug/l	99
85) sec-Butylbenzene	13.17	105	929140	49.593	ug/l	100
86) p-Isopropyltoluene	13.29	119	845277	50.346	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	416337	48.499	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413846	47.801	ug/l	99
89) n-Butylbenzene	13.62	91	742222	49.343	ug/l	99
90) Hexachloroethane	13.88	117	152793	47.186	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	399570	48.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62205	48.258	ug/l	99

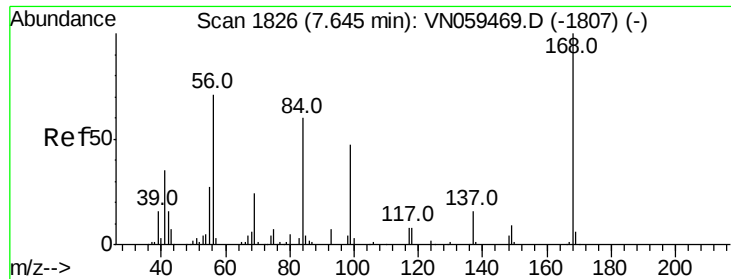
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247640	49.292	ug/l	99
94) Hexachlorobutadiene	15.01	225	144403	50.837	ug/l	99
95) Naphthalene	15.13	128	647321	46.925	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	248015	49.176	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

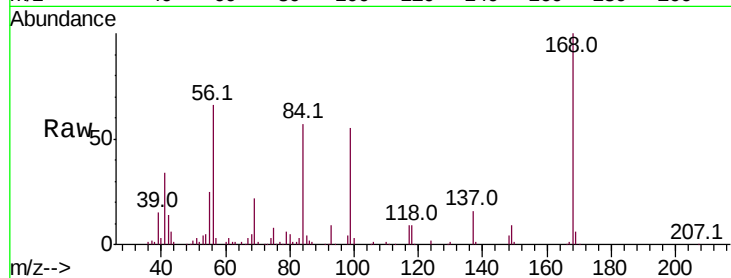
ICVFN120319

Tot Ion:168 Resp: 355303

Ion Ratio Lower Upper

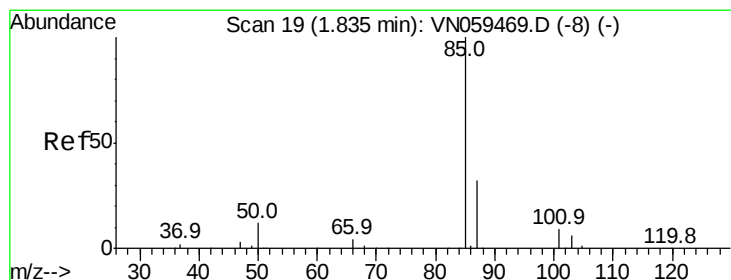
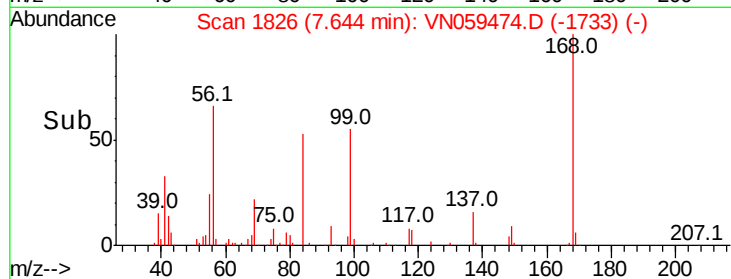
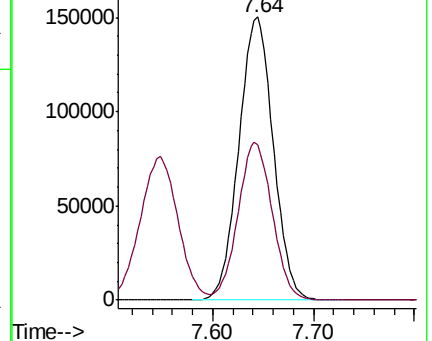
168 100

99 54.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.432 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059474.D

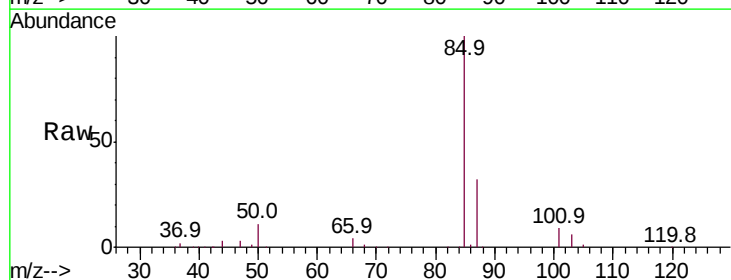
Acq: 3 Dec 2019 17:31

Tgt Ion: 85 Resp: 187538

Ion Ratio Lower Upper

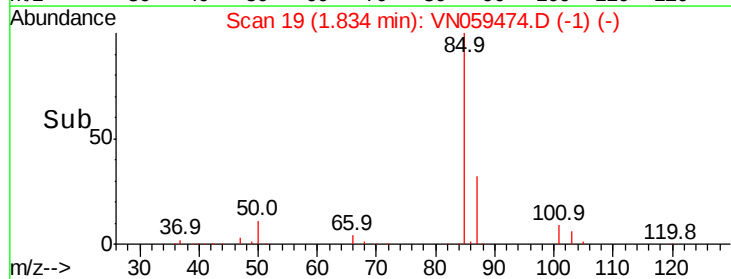
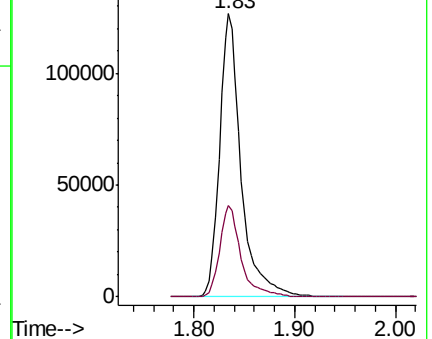
85 100

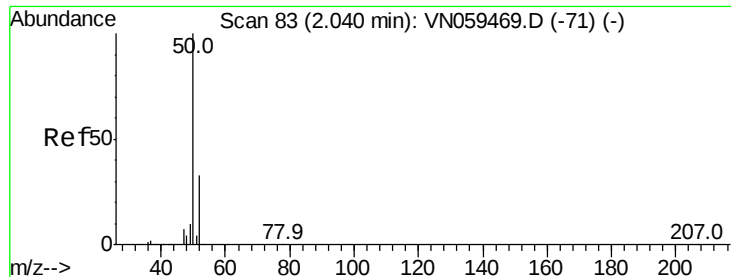
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.014 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

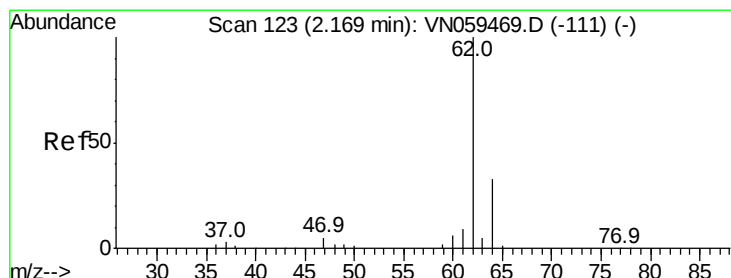
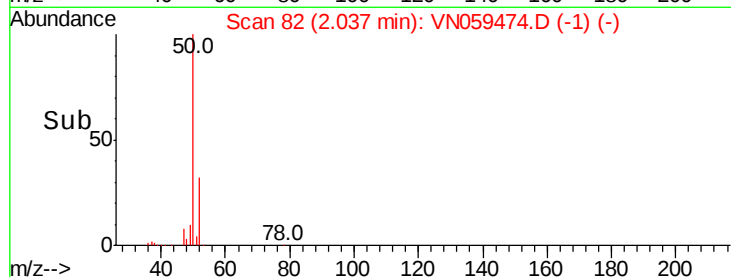
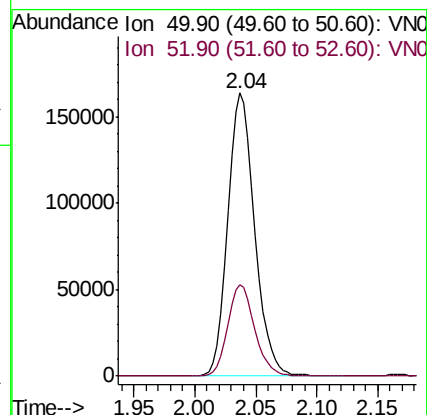
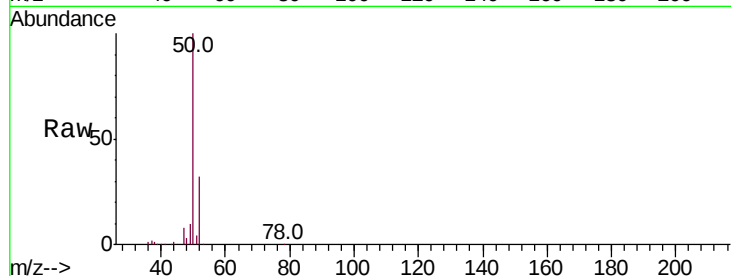
ICVVN120319

Tot Ion: 50 Resp: 254436

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 48.317 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059474.D

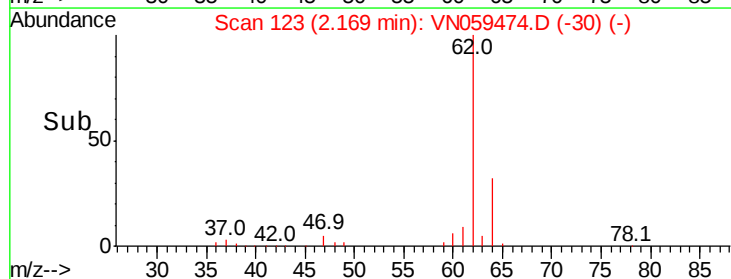
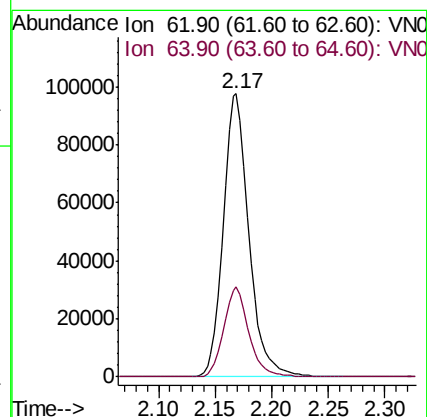
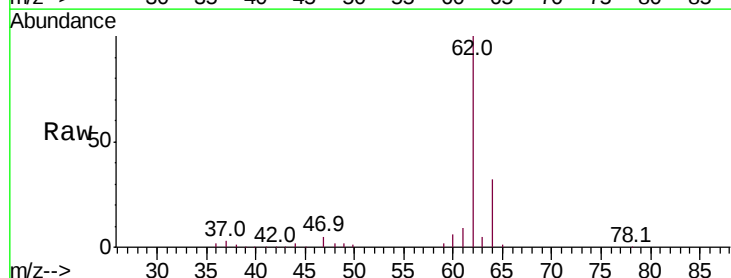
Acq: 3 Dec 2019 17:31

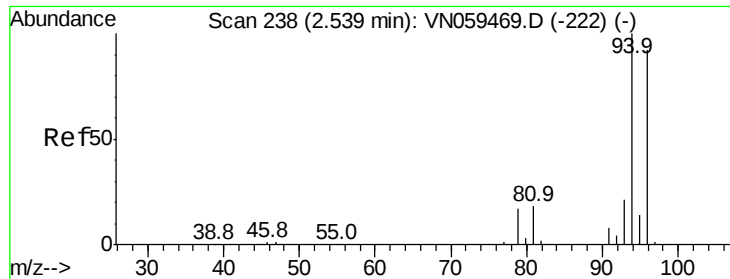
Tgt Ion: 62 Resp: 153644

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 47.658 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

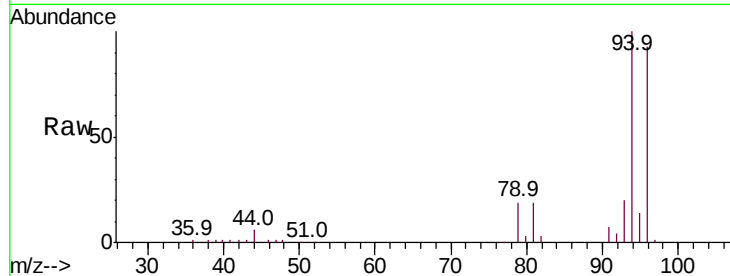
ICVVN120319

Tot Ion: 94 Resp: 92097

Ion Ratio Lower Upper

94 100

96 93.4 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

50000

40000

30000

20000

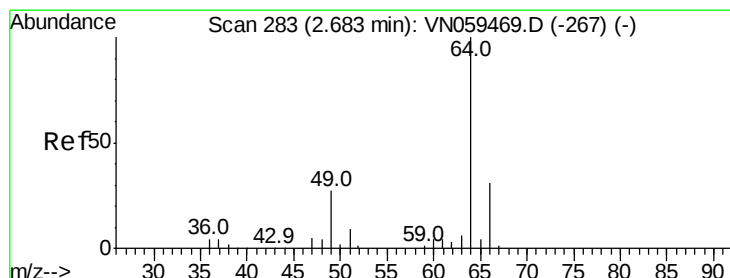
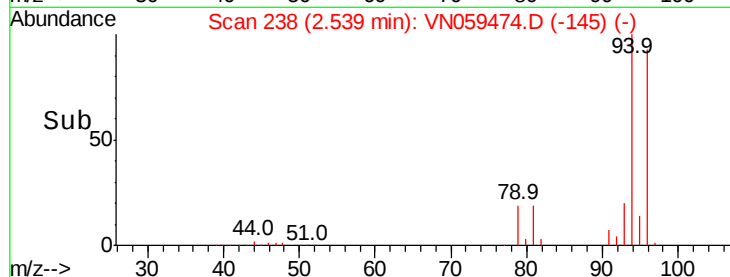
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 48.251 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059474.D

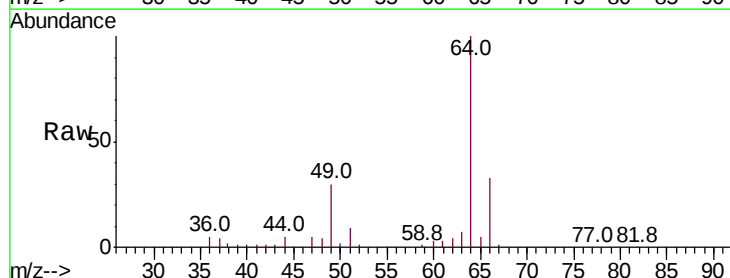
Acq: 3 Dec 2019 17:31

Tgt Ion: 64 Resp: 90586

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

50000

40000

30000

20000

10000

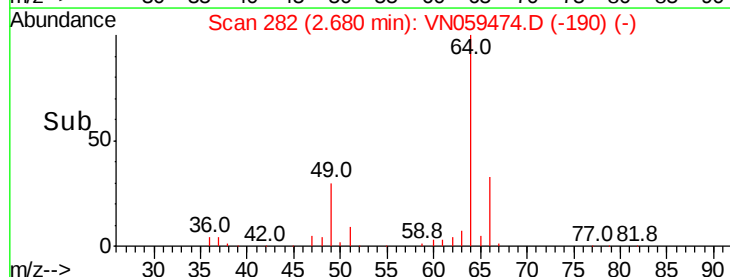
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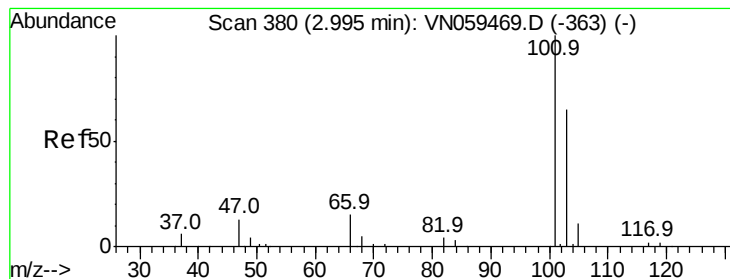
Time-->

2.60

2.70

2.80



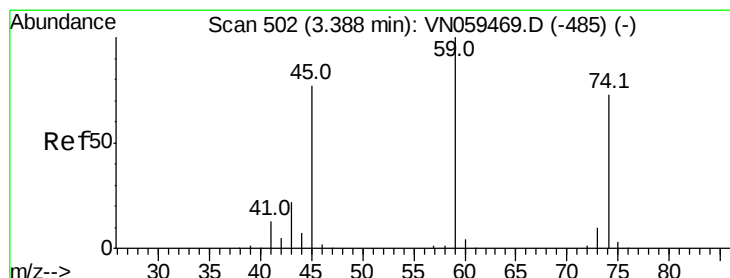
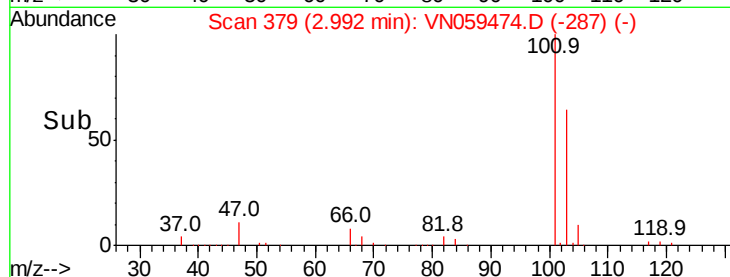
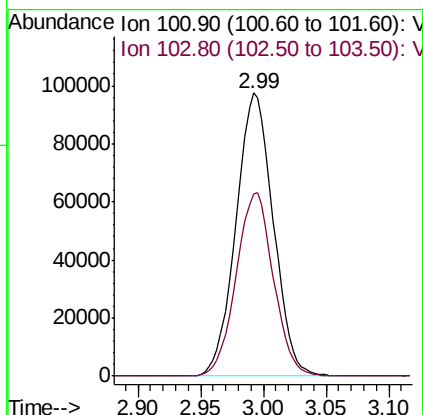
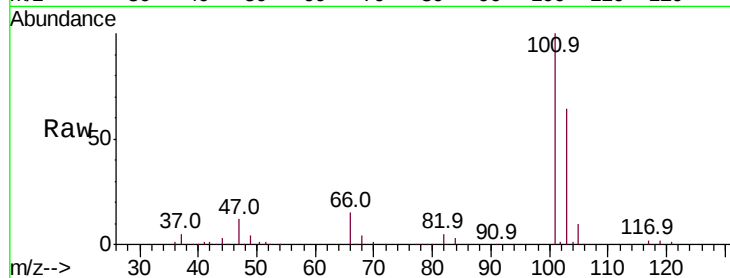


#7

Trichlorofluoromethane
 Concen: 52.529 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Instrument :
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 ClientSampleId :
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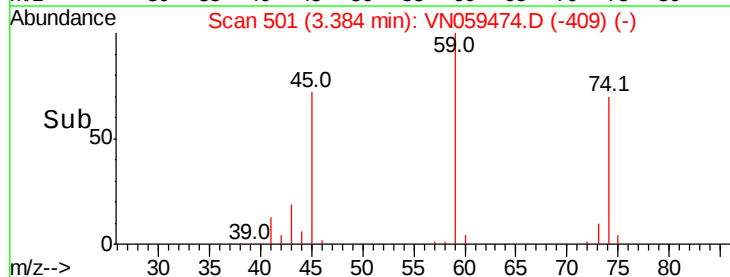
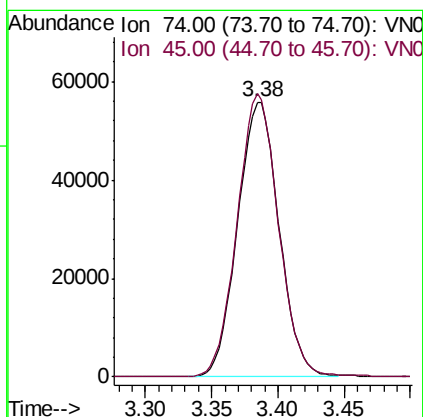
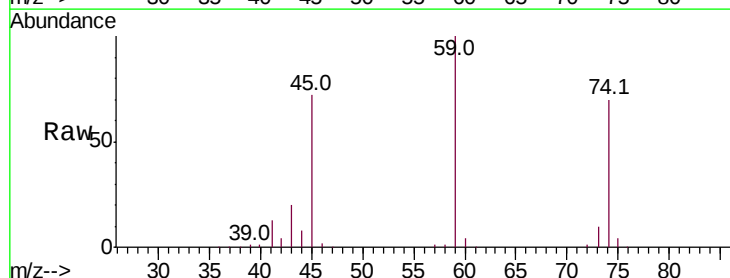
Tot Ion:101 Resp: 201735
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.4 78.6

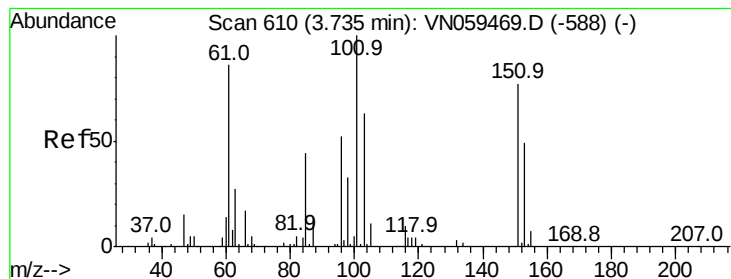


#8

Diethyl Ether
 Concen: 48.542 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Tgt Ion: 74 Resp: 121463
 Ion Ratio Lower Upper
 74 100
 45 102.9 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.200 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

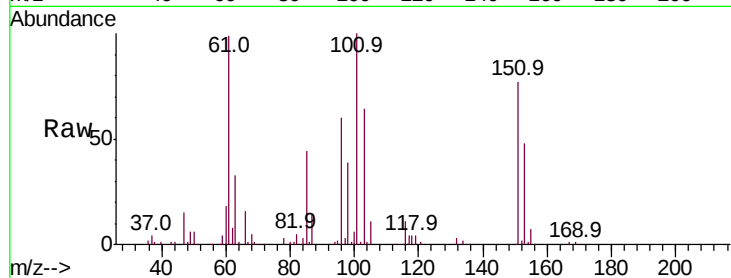
Tot Ion:101 Resp: 185483

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

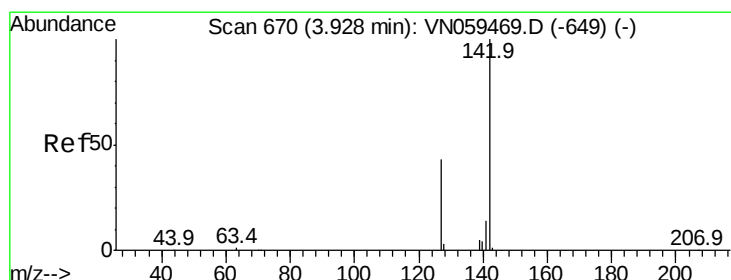
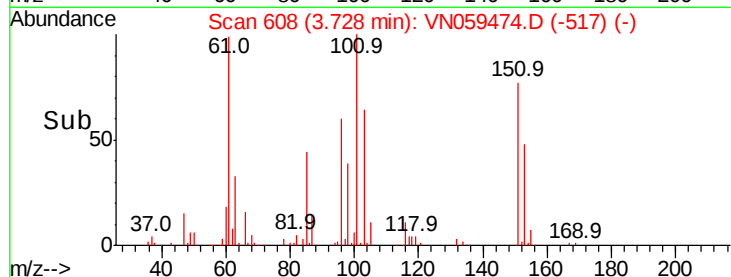
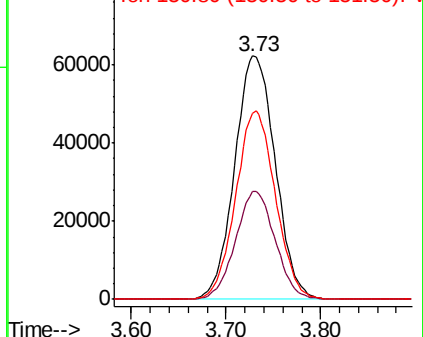
151 76.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.576 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

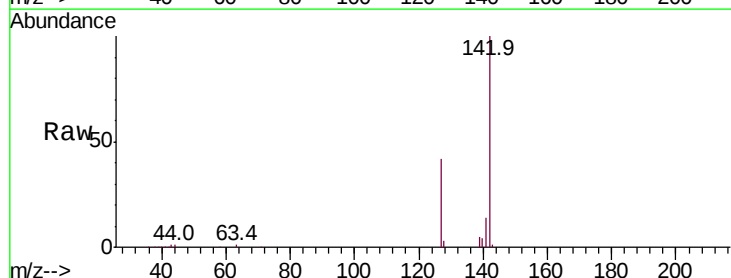
Tgt Ion:142 Resp: 241430

Ion Ratio Lower Upper

142 100

127 42.9 34.6 52.0

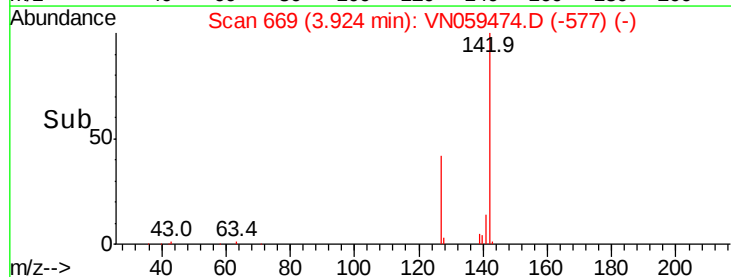
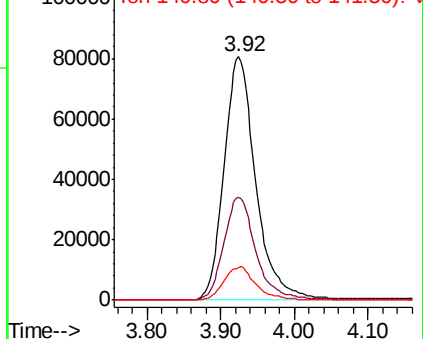
141 14.0 11.4 17.0

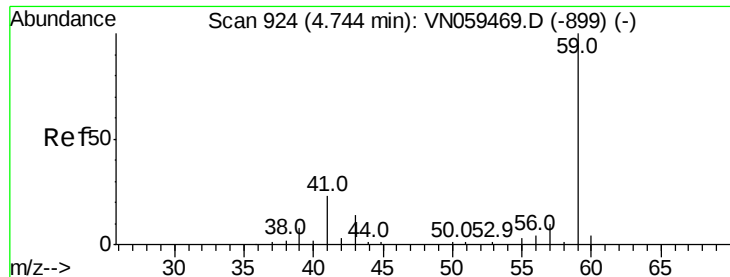


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



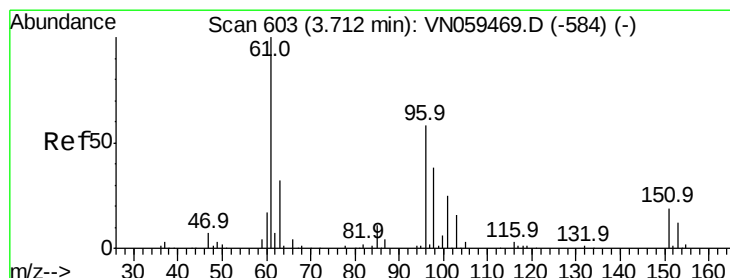
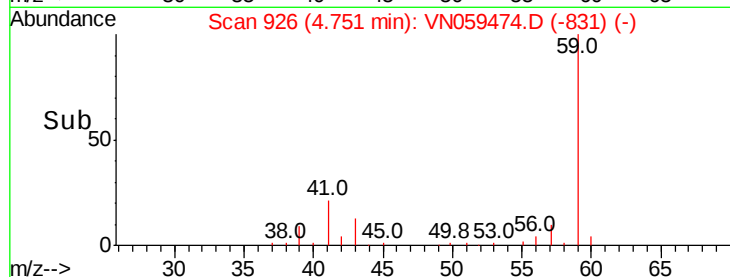
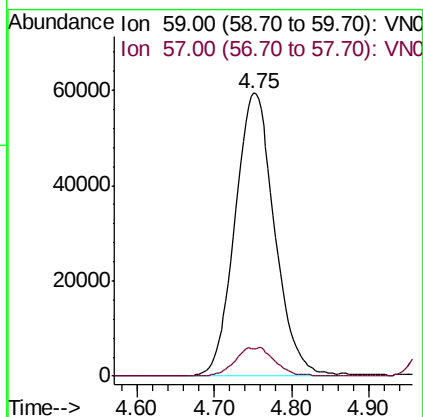
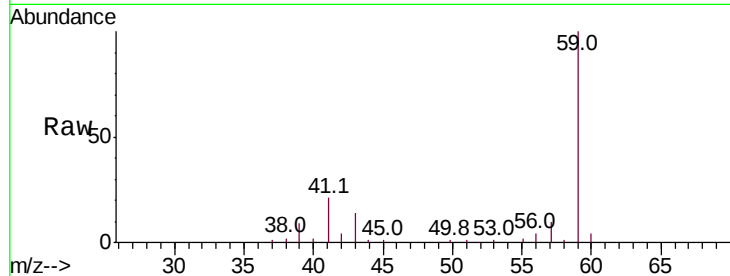


#11

Tert butyl alcohol
 Concen: 254.004 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVN120319

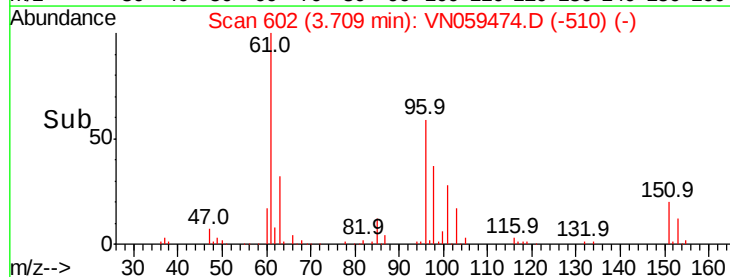
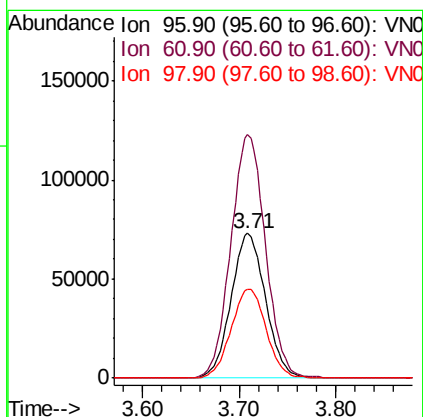
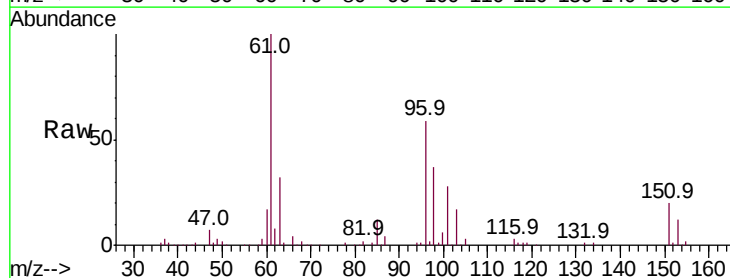
Tot Ion: 59 Resp: 211263
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.1 12.1#

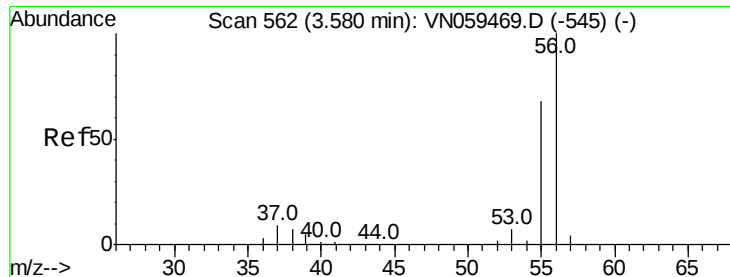


#12

1,1-Dichloroethene
 Concen: 48.983 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Tgt Ion: 96 Resp: 180515
 Ion Ratio Lower Upper
 96 100
 61 168.1 137.1 205.7
 98 61.7 52.4 78.6





#13

Acrolein

Concen: 233.403 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

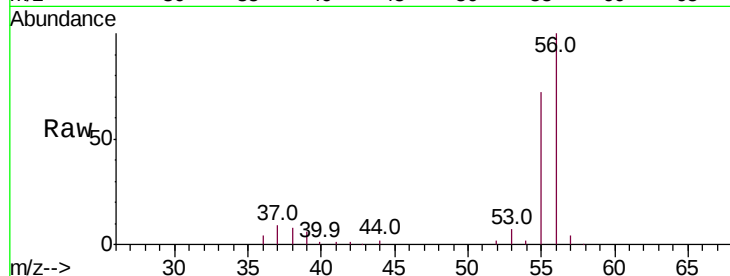
ICVFN120319

Tot Ion: 56 Resp: 168479

Ion Ratio Lower Upper

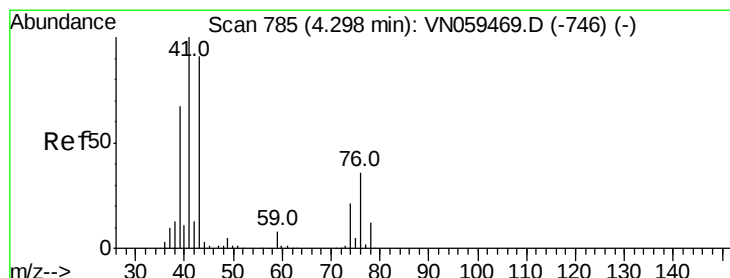
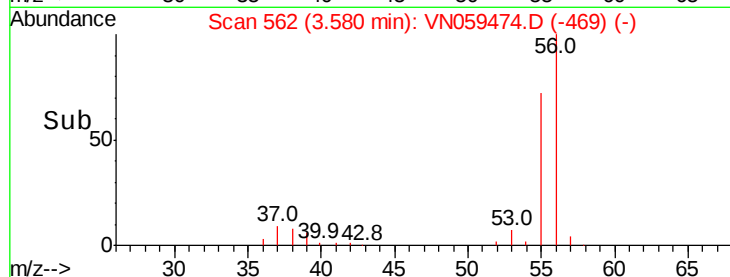
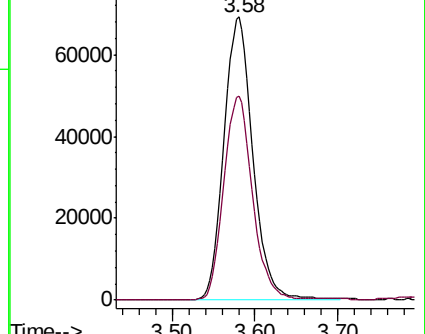
56 100

55 71.3 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.755 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

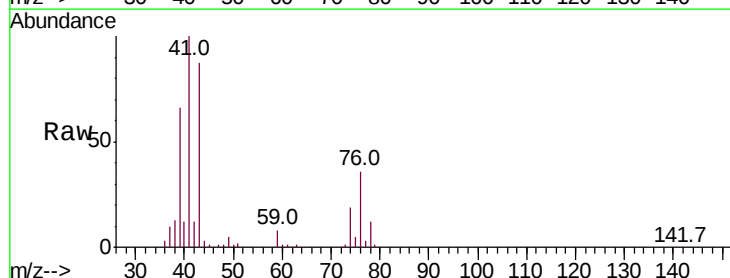
Tgt Ion: 41 Resp: 353885

Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

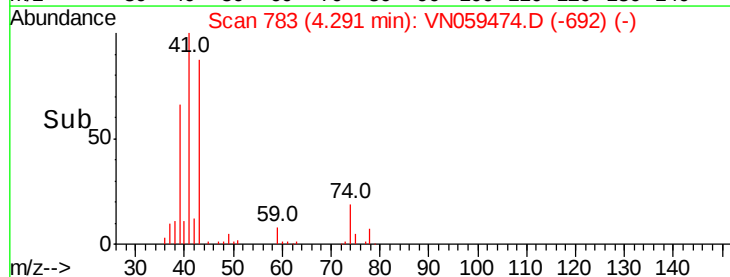
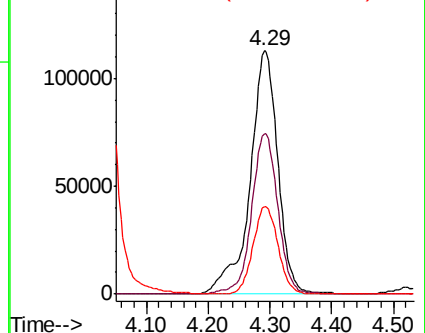
76 32.4 25.6 38.4

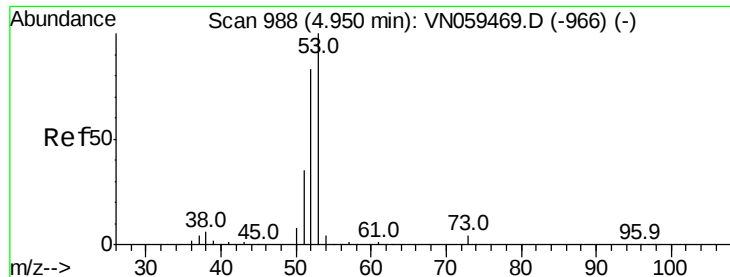


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 245.258 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

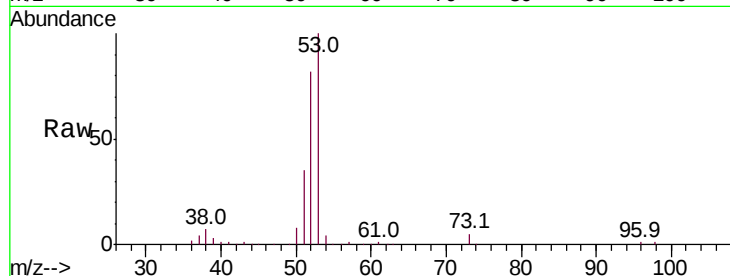
MSVOA_U

ClientSampleId :

ICVFN120319

Tot Ion: 53 Resp: 551866

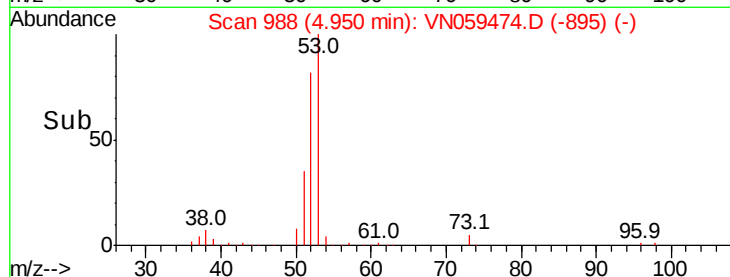
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.9	28.5	42.7



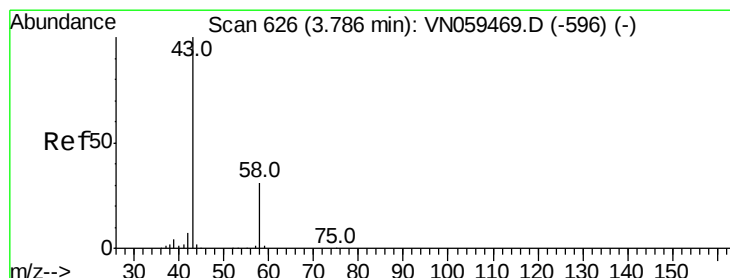
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: 247.905 ug/l

RT: 3.79 min Scan# 627

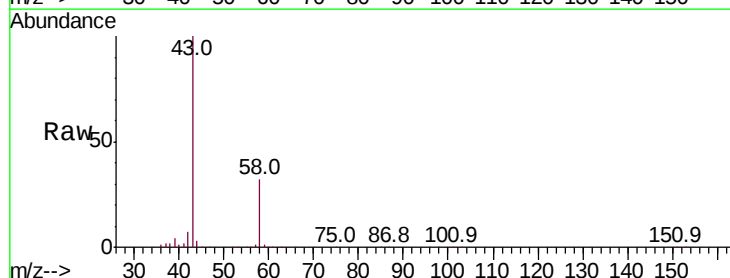
Delta R.T. 0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

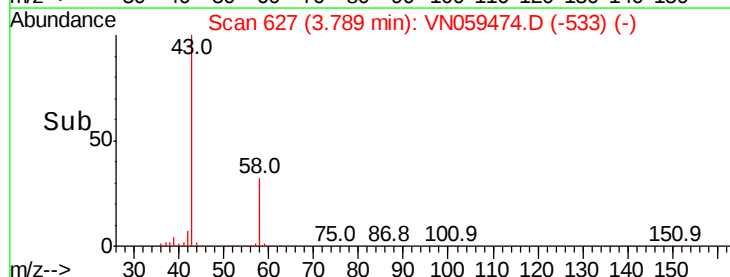
Tgt Ion: 43 Resp: 611152

Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.9	37.3

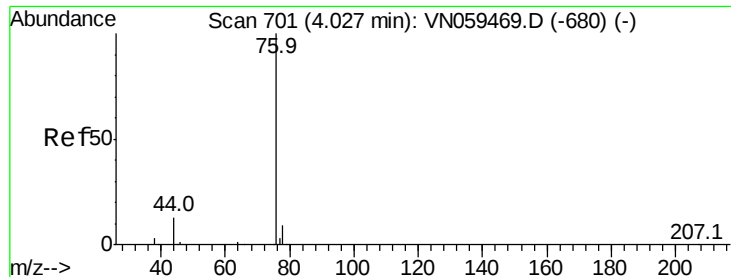


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



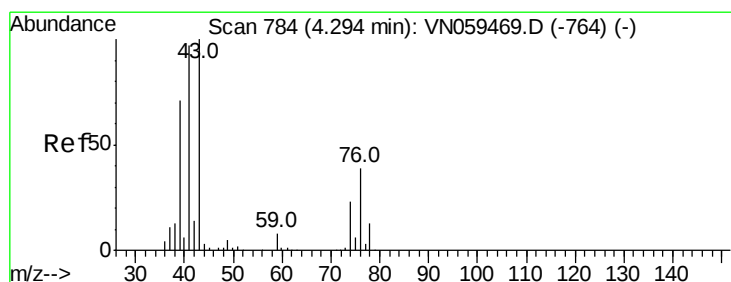
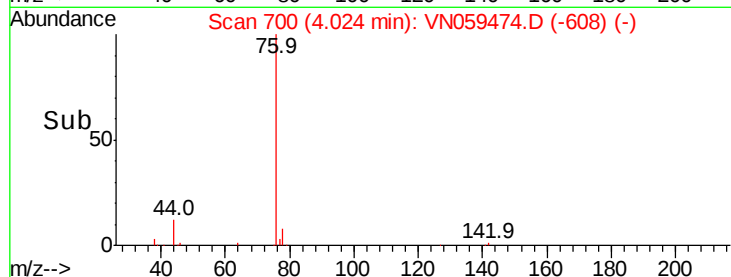
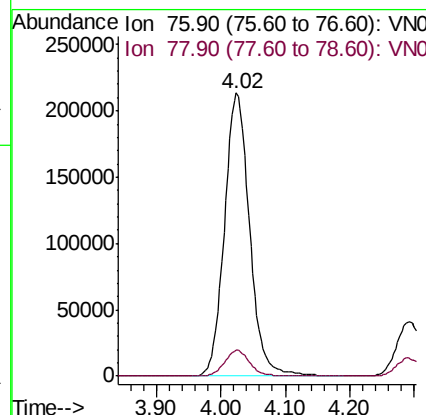
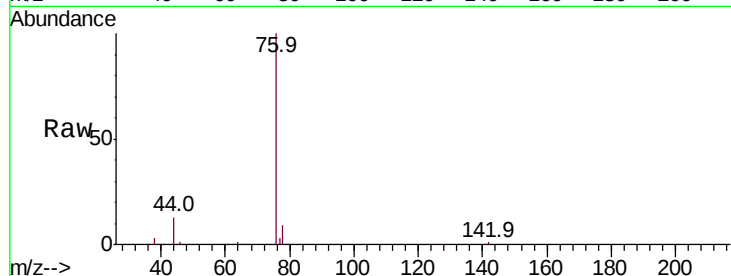
Time-->



#17
Carbon Disulfide
Concen: 46.059 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

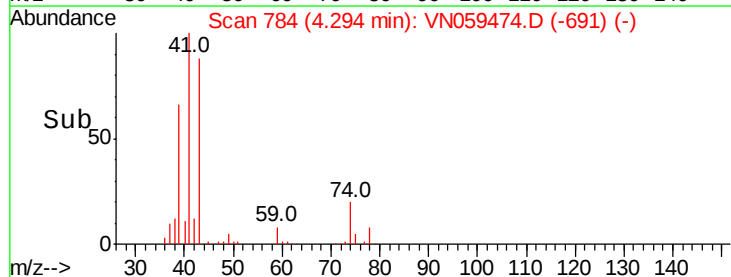
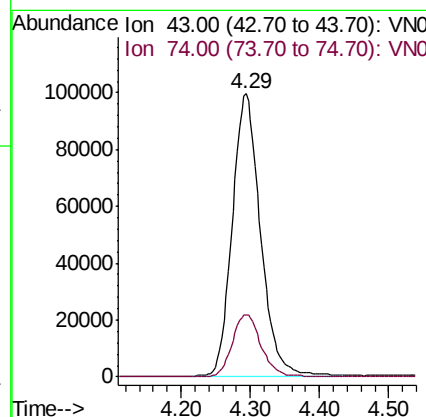
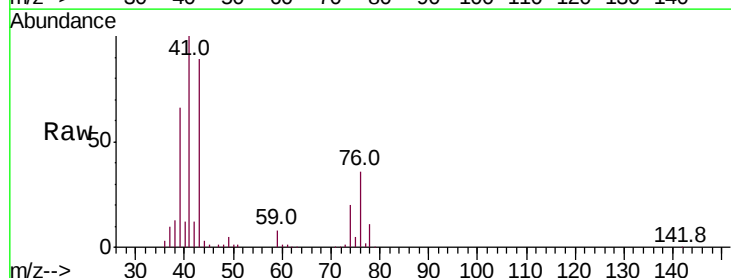
Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

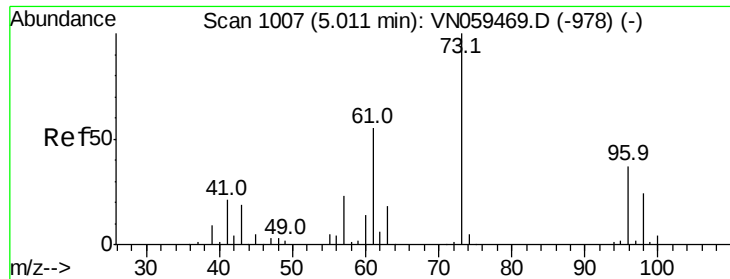
Tot Ion: 76 Resp: 579166
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 47.483 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 43 Resp: 282133
Ion Ratio Lower Upper
43 100
74 22.5 18.3 27.5

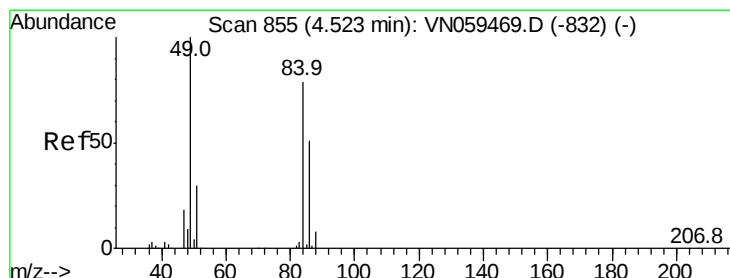
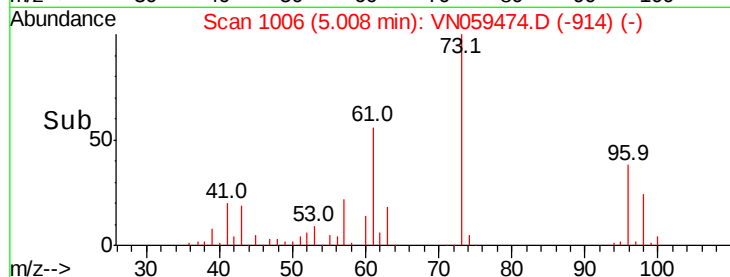
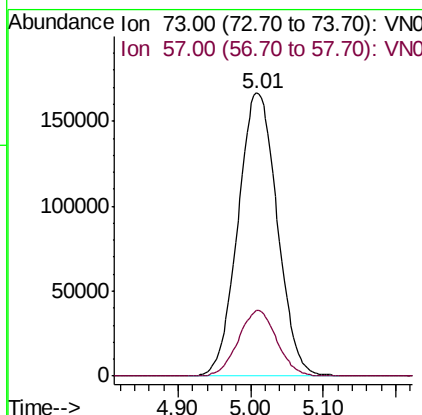
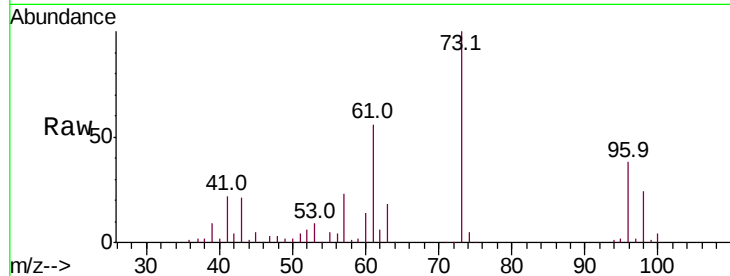




#19
Methyl tert-butyl Ether
Concen: 49.957 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

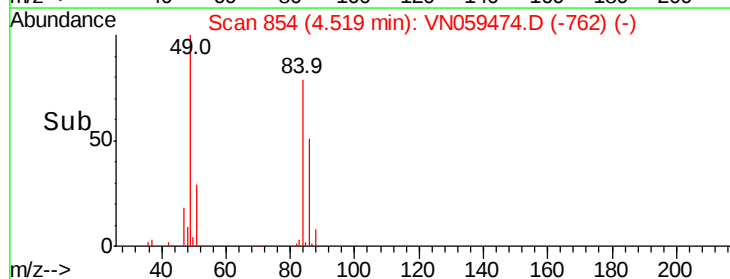
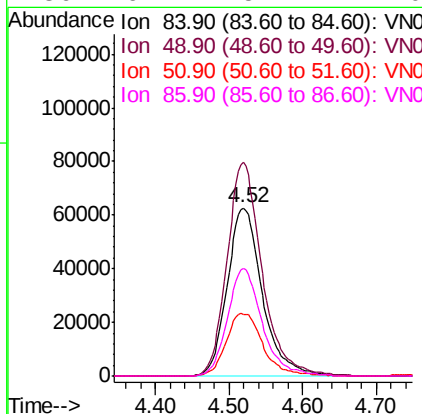
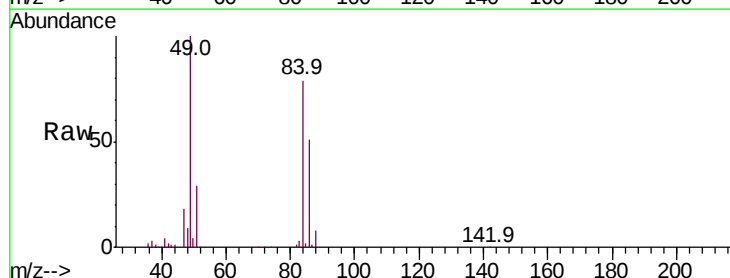
Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

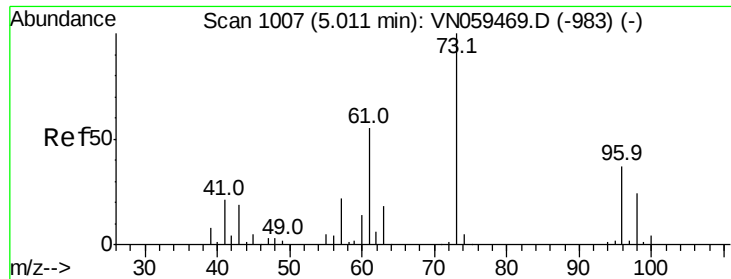
Tot Ion: 73 Resp: 627465
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0



#20
Methylene Chloride
Concen: 50.046 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 84 Resp: 208054
Ion Ratio Lower Upper
84 100
49 127.3 101.1 151.7
51 36.8 30.7 46.1
86 64.4 51.4 77.0

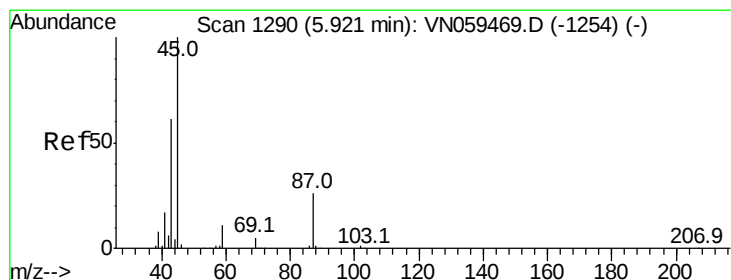
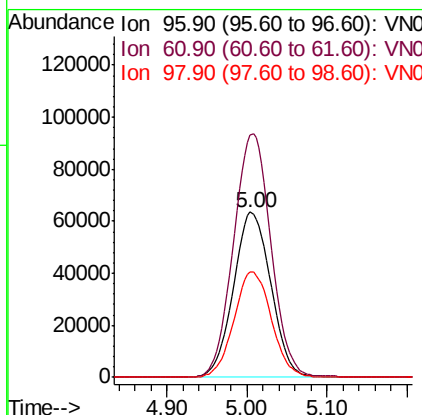
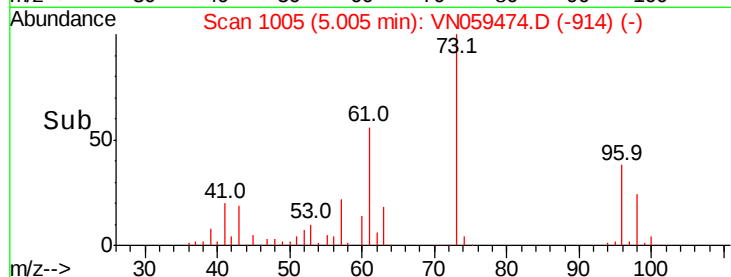
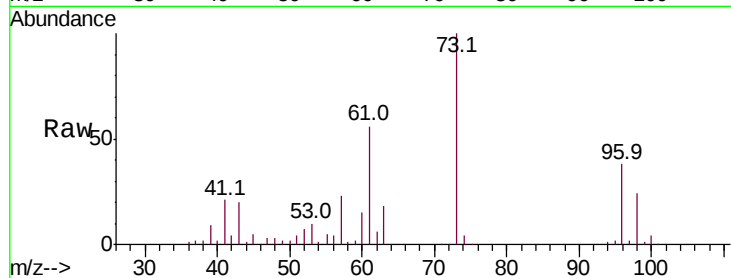




#21
trans-1,2-Dichloroethene
Concen: 48.980 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

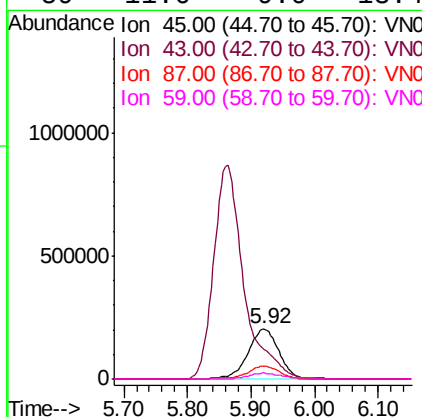
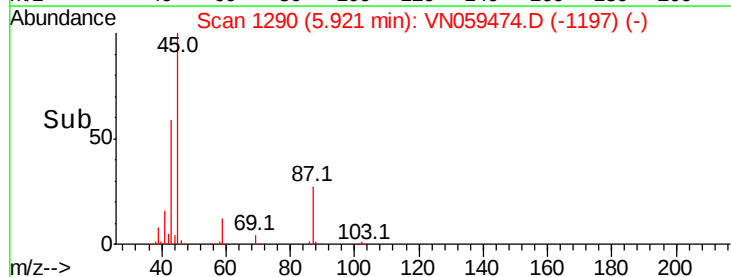
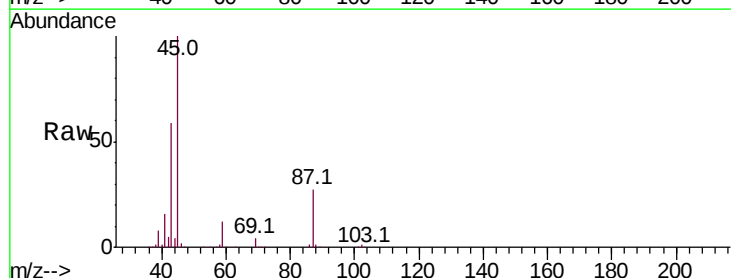
Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

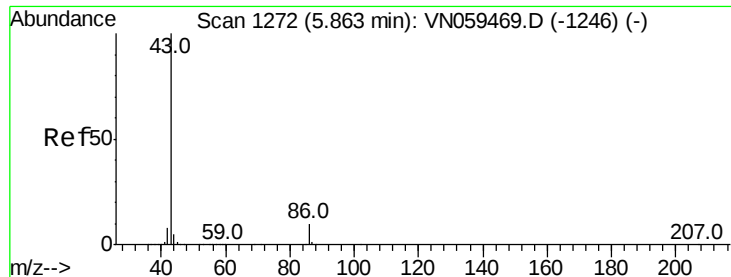
Tot Ion: 96 Resp: 201967
Ion Ratio Lower Upper
96 100
61 146.4 118.9 178.3
98 63.5 51.6 77.4



#22
Diisopropyl ether
Concen: 50.915 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 45 Resp: 687861
Ion Ratio Lower Upper
45 100
43 58.3 49.1 73.7
87 26.7 21.6 32.4
59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 264.446 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

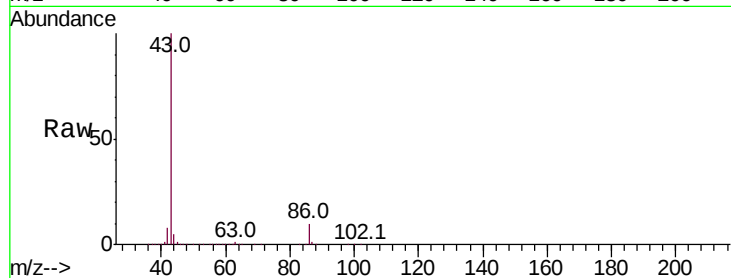
ICVFN120319

Tot Ion: 43 Resp: 2866769

Ion Ratio Lower Upper

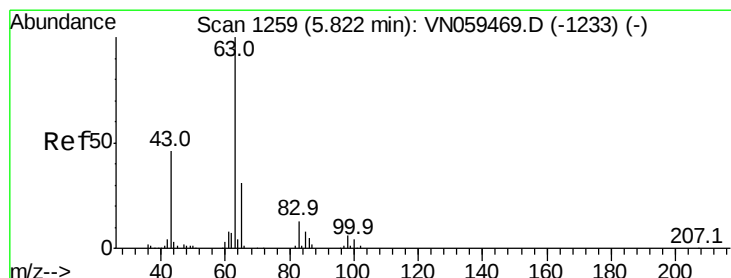
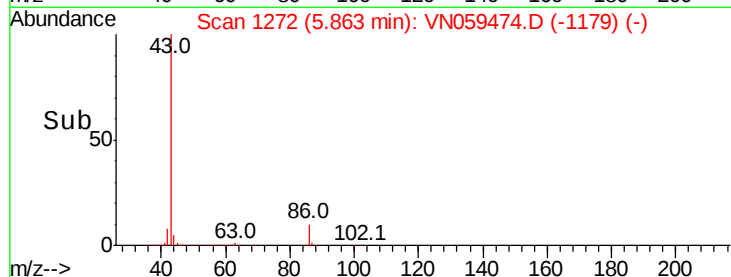
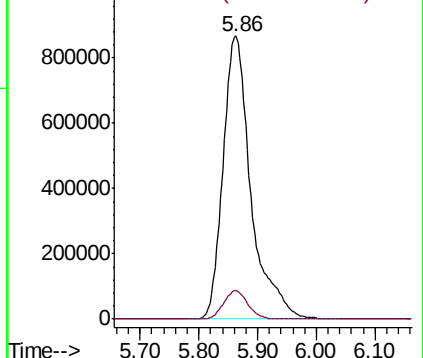
43 100

86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.683 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

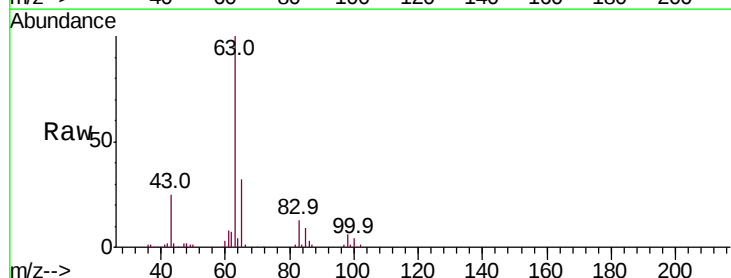
Tgt Ion: 63 Resp: 381299

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

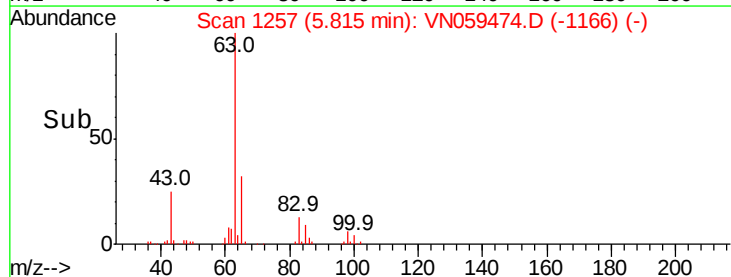
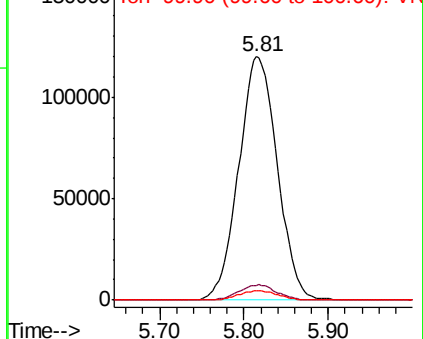
100 3.8 2.0 6.0

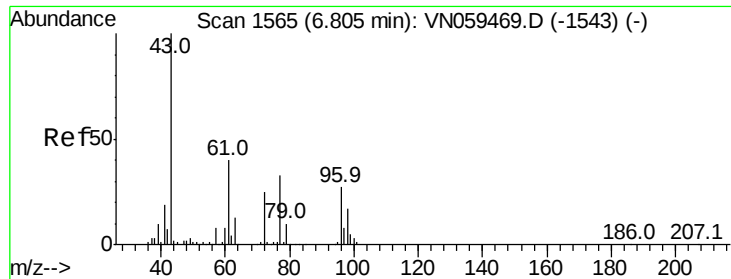


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

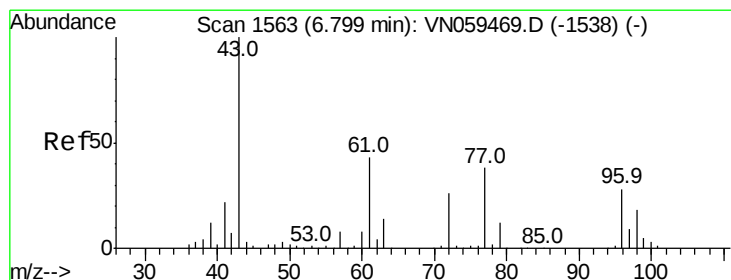
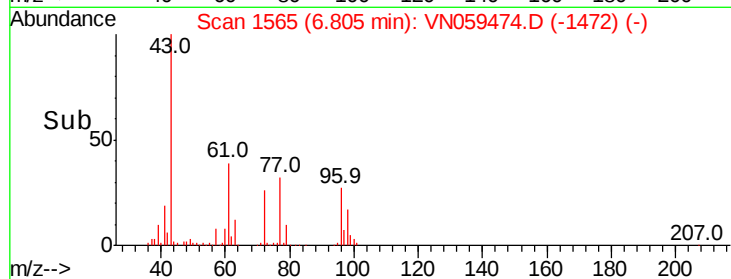
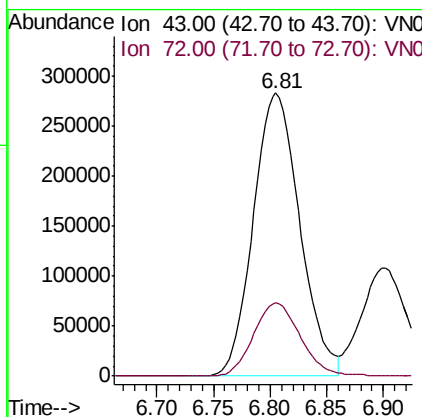
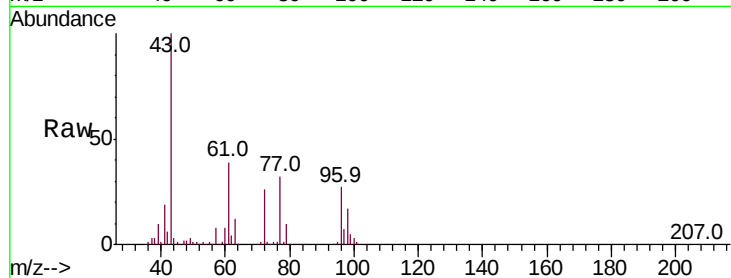




#25
2-Butanone
Concen: 240.045 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

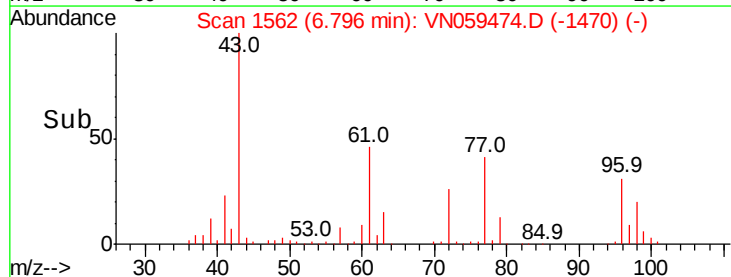
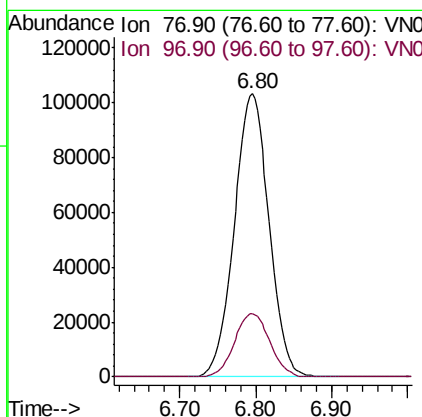
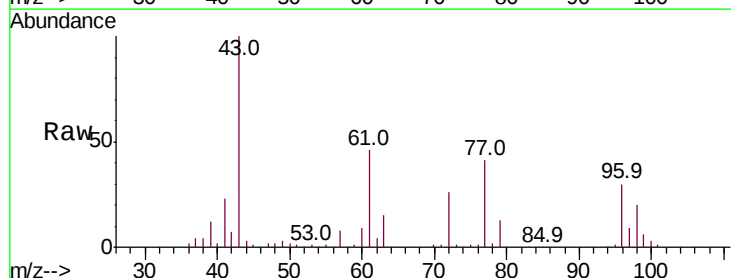
Instrument :
MSVOA_U
ClientSampleId :
ICVVN120319

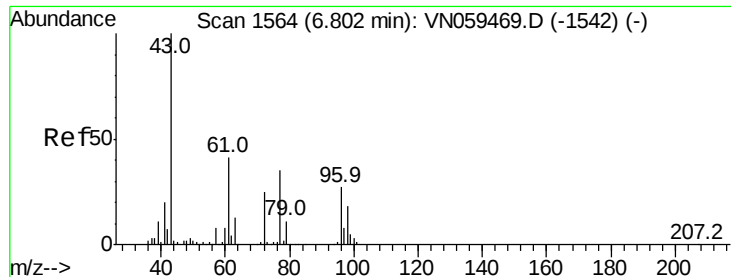
Tot Ion: 43 Resp: 805317
Ion Ratio Lower Upper
43 100
72 25.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 49.187 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 77 Resp: 326497
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.659 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

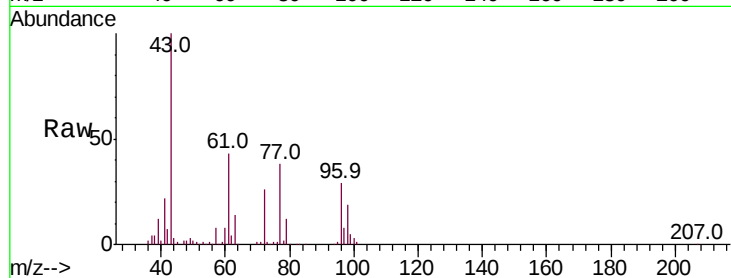
Tot Ion: 96 Resp: 227416

Ion Ratio Lower Upper

96 100

61 151.1 0.0 307.4

98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN059469.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059469.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059469.D (-1542) (-)

150000

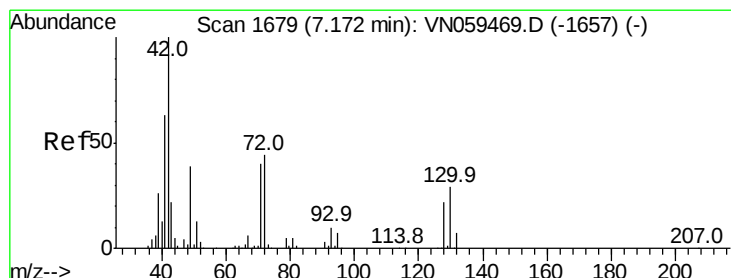
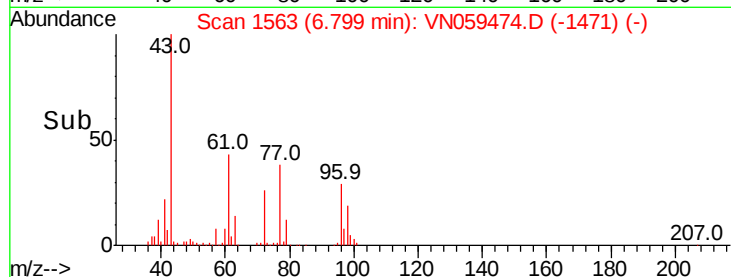
100000

50000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 47.731 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

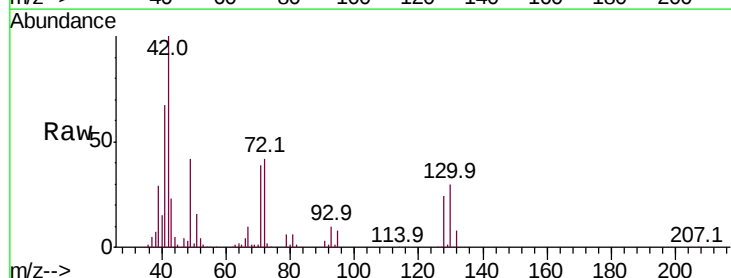
Tgt Ion: 49 Resp: 142539

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.2

130 71.5 58.4 87.6



Abundance Ion 48.90 (48.60 to 49.60): VN059469.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059469.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059469.D (-1657) (-)

60000

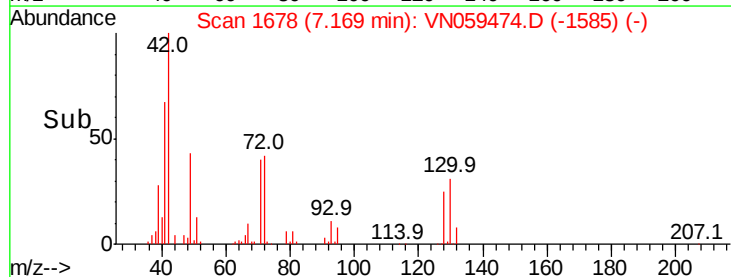
40000

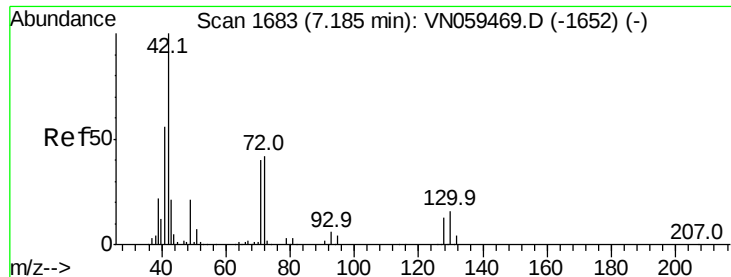
20000

0

7.10 7.17 7.20

Time-->





#29

Tetrahydrofuran

Concen: 239.526 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

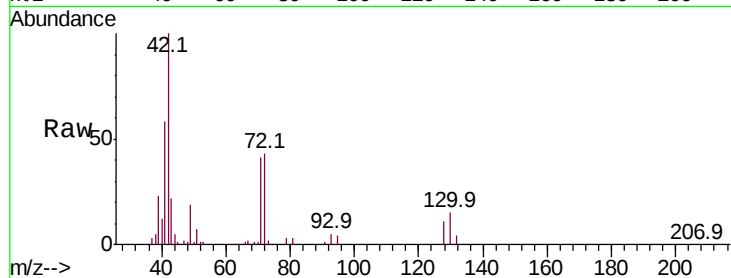
Tot Ion: 42 Resp: 505282

Ion Ratio Lower Upper

42 100

72 42.6 34.2 51.2

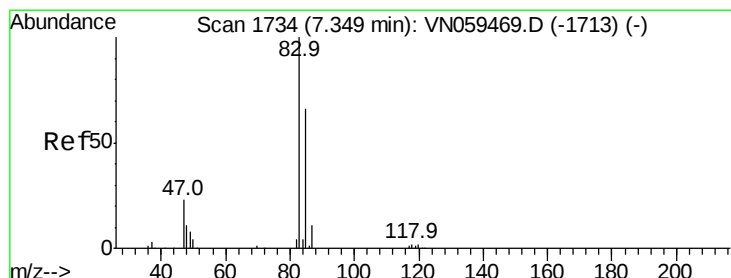
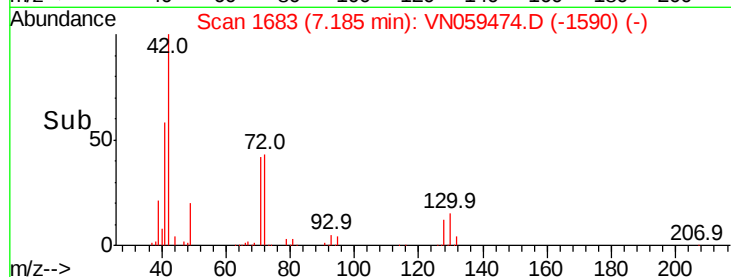
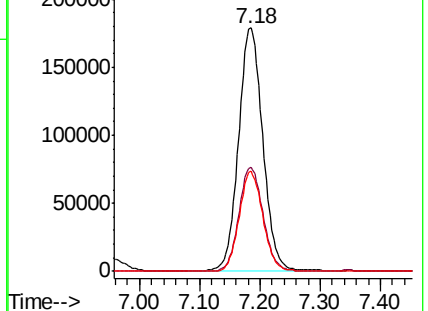
71 40.3 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.047 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059474.D

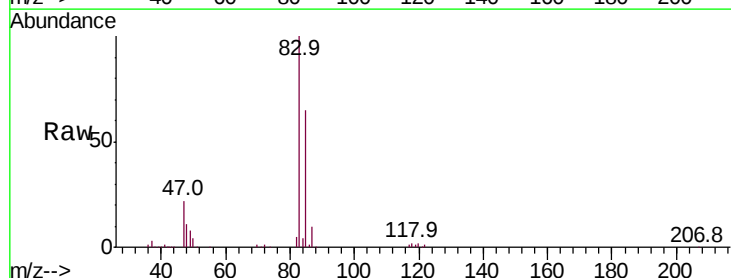
Acq: 3 Dec 2019 17:31

Tgt Ion: 83 Resp: 363442

Ion Ratio Lower Upper

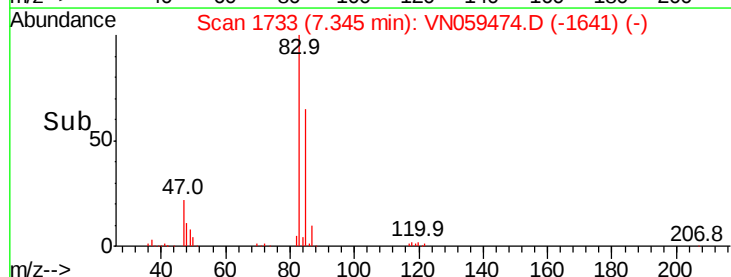
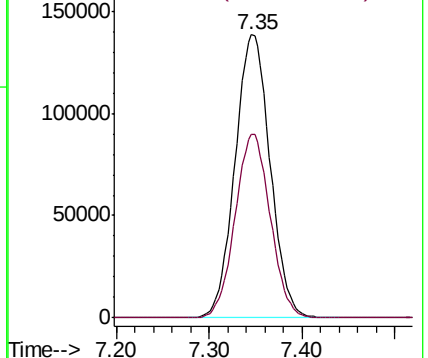
83 100

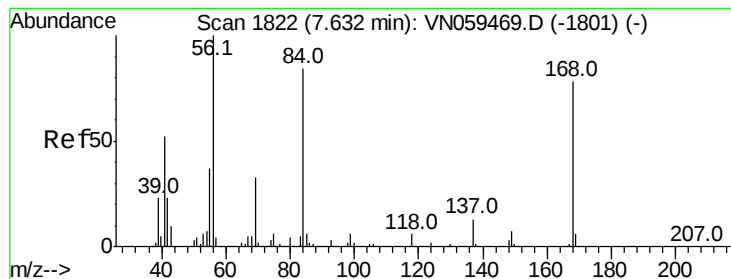
85 64.8 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.891 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

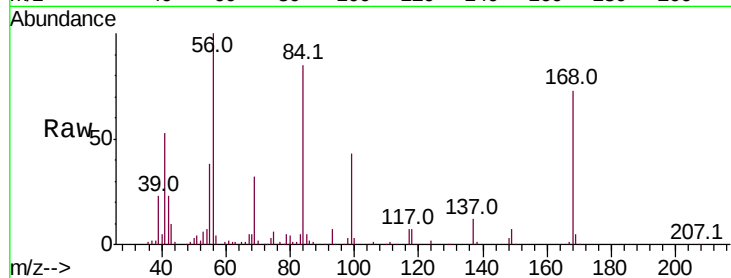
Tot Ion: 56 Resp: 356125

Ion Ratio Lower Upper

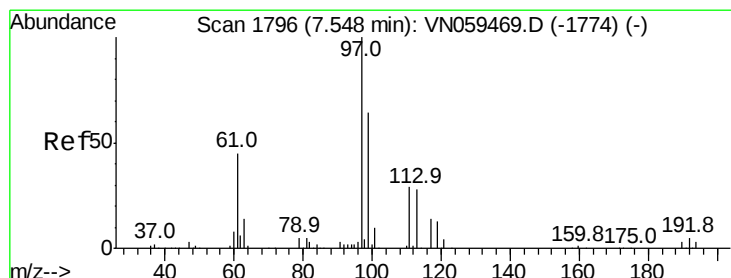
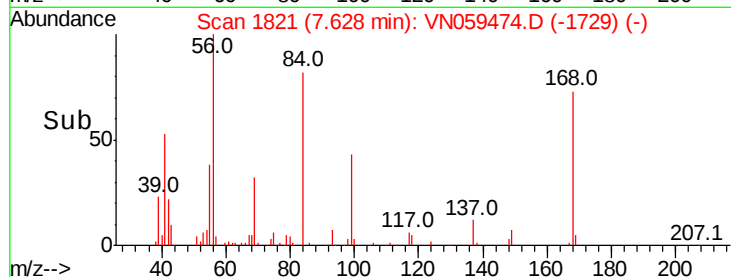
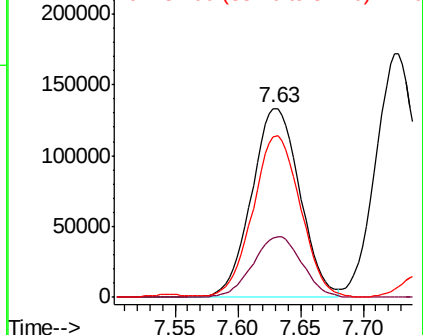
56 100

69 31.6 26.2 39.4

84 84.1 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 48.444 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

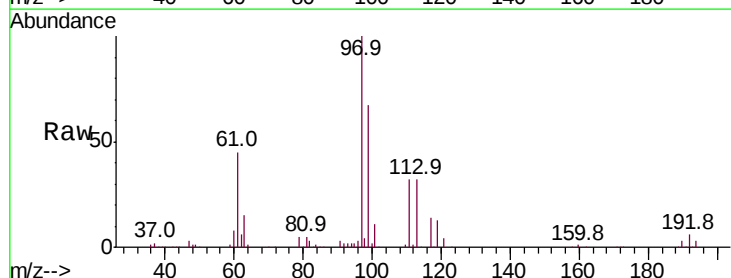
Tgt Ion: 97 Resp: 312003

Ion Ratio Lower Upper

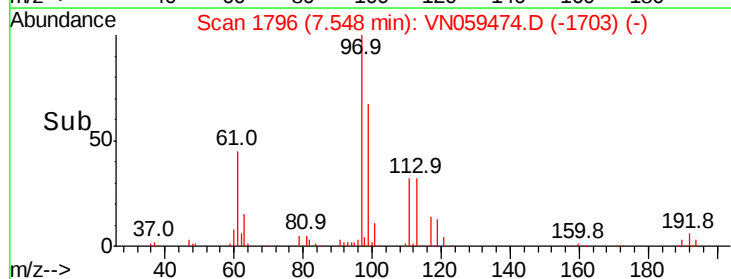
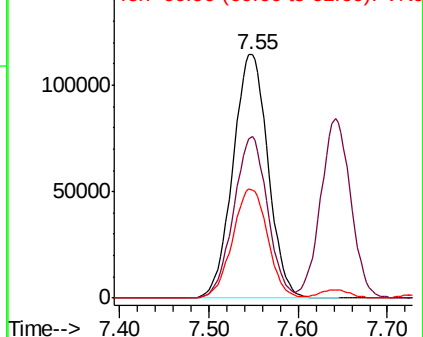
97 100

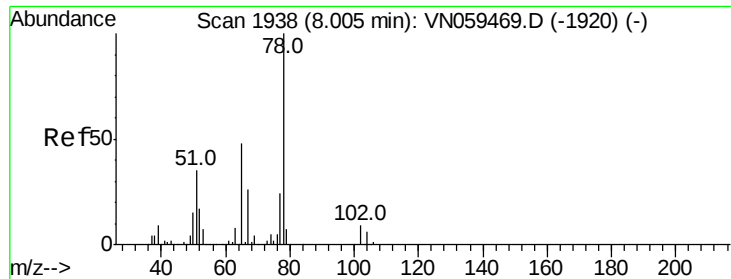
99 64.2 51.7 77.5

61 44.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 49.118 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

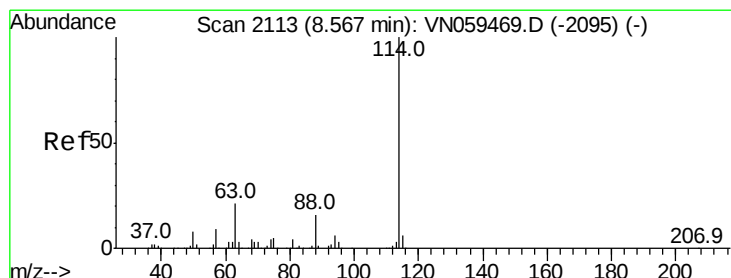
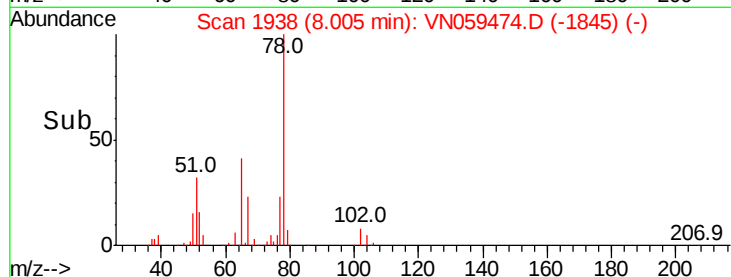
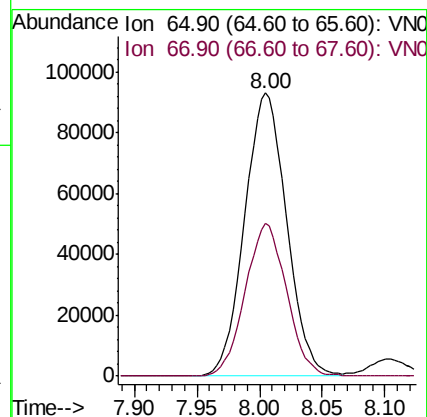
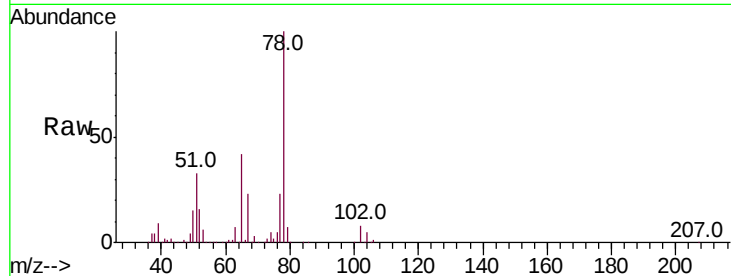
ICVFN120319

Tot Ion: 65 Resp: 216798

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

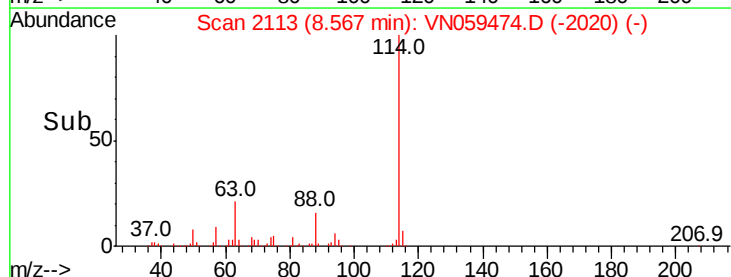
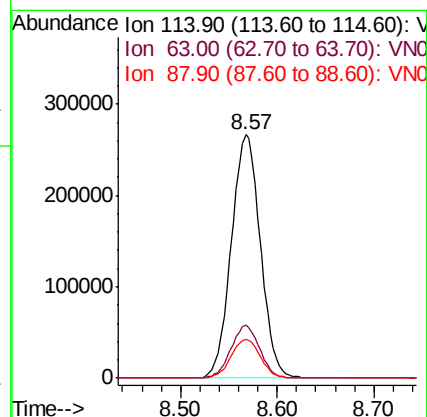
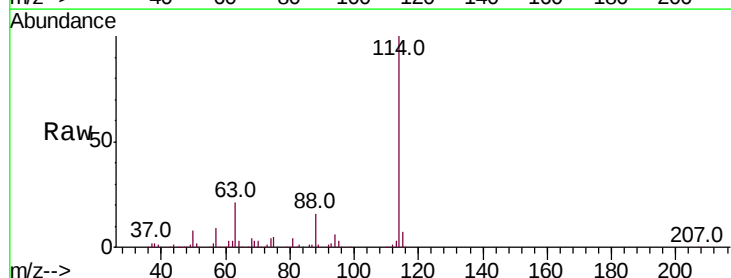
Tgt Ion: 114 Resp: 556695

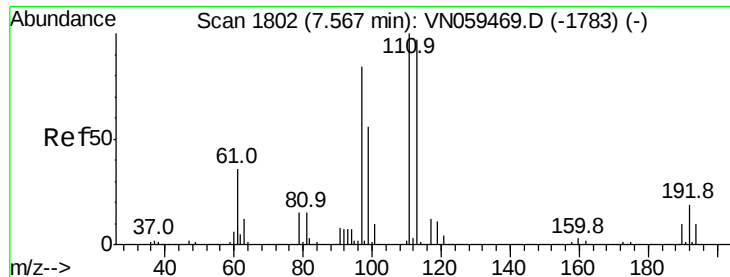
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.9 0.0 32.8

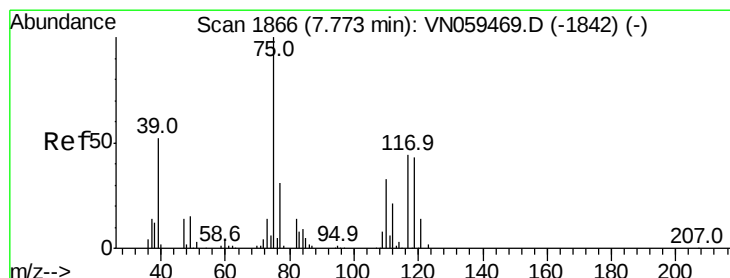
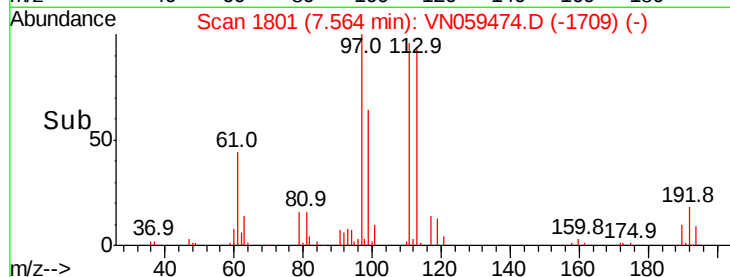
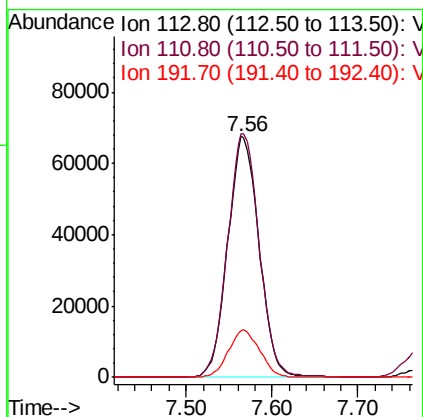
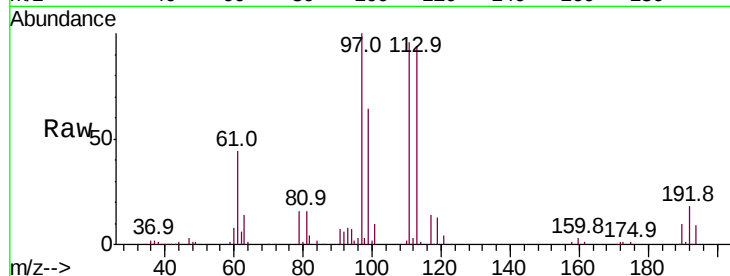




#35
 Dibromofluoromethane
 Concen: 49.317 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

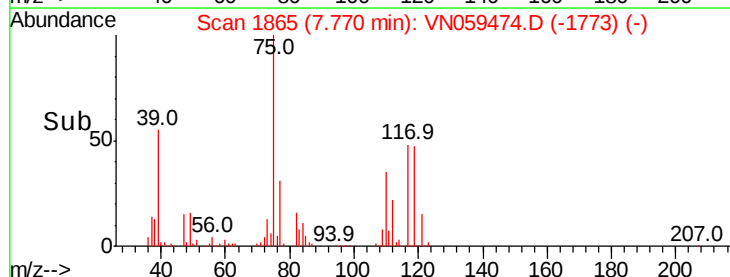
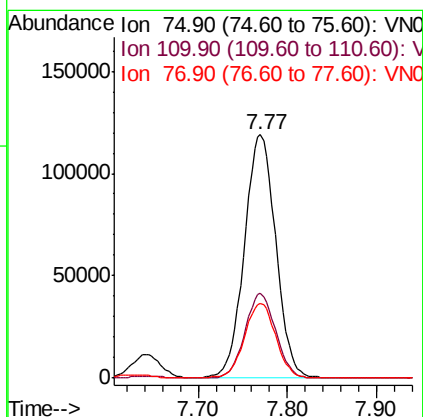
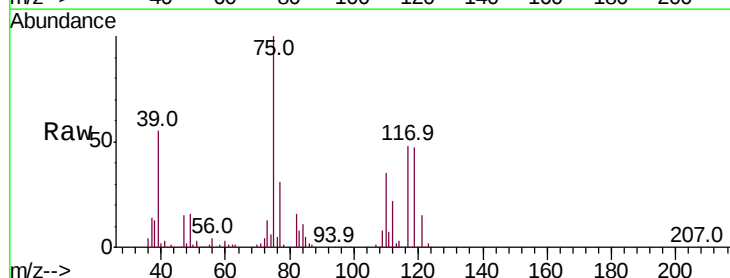
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVN120319

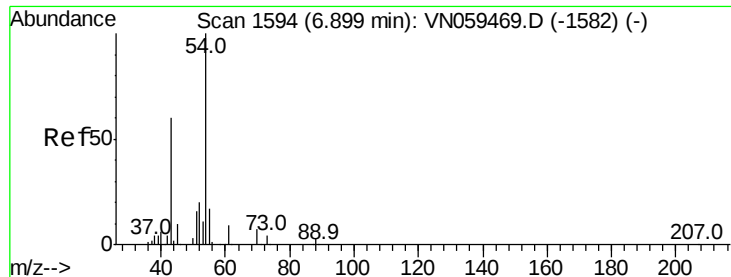
Tot Ion:113 Resp: 170995
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.5 123.7
 192 19.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 49.996 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Tgt Ion: 75 Resp: 289633
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.9 50.7
 77 30.9 25.1 37.7

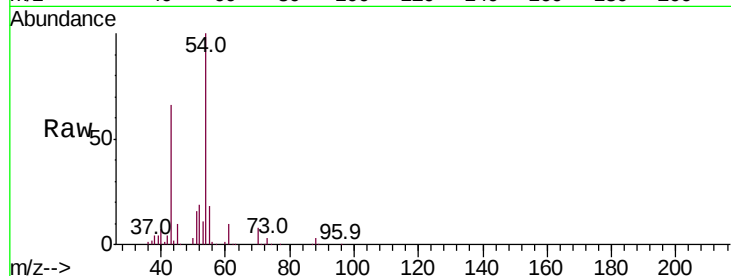




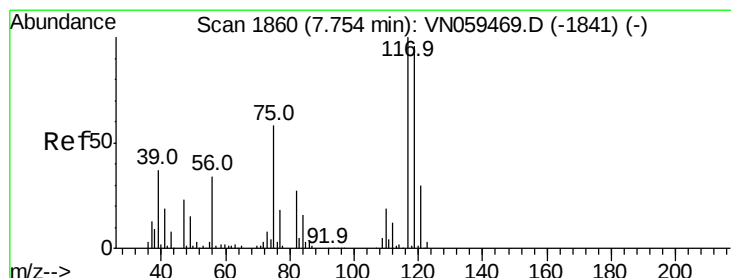
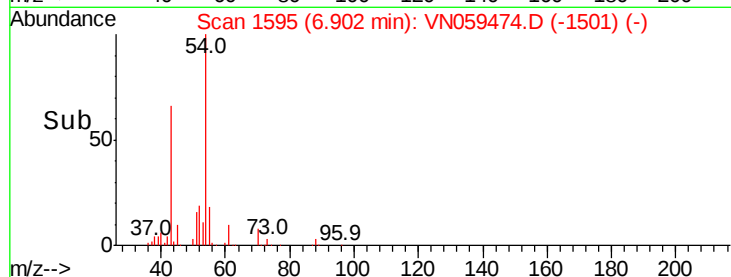
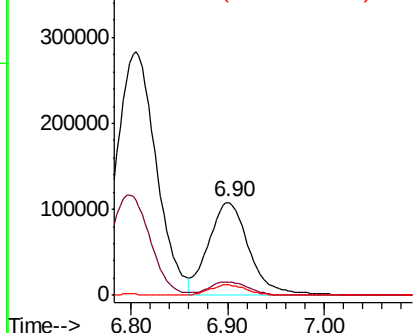
#37
Ethyl Acetate
Concen: 47.910 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Instrument :
MSVOA_U
ClientSampleId :
ICVVN120319

Tot Ion: 43 Resp: 310021
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 10.5 8.3 12.5

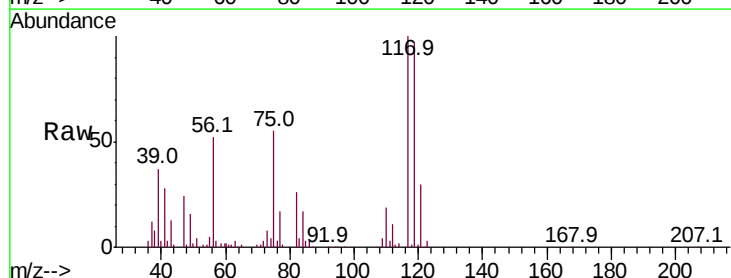


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

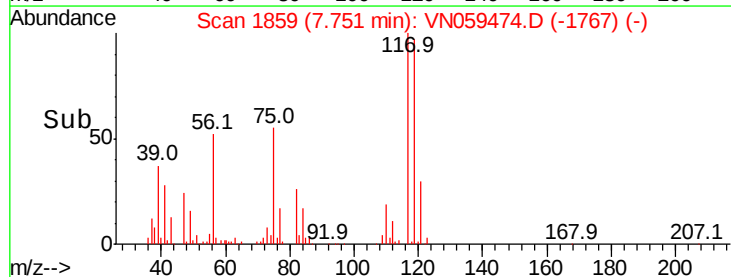
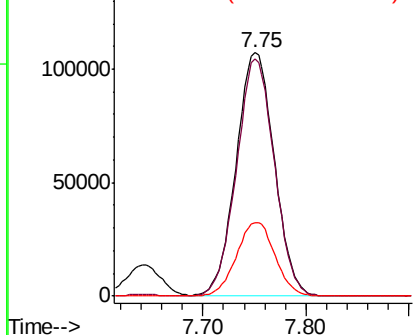


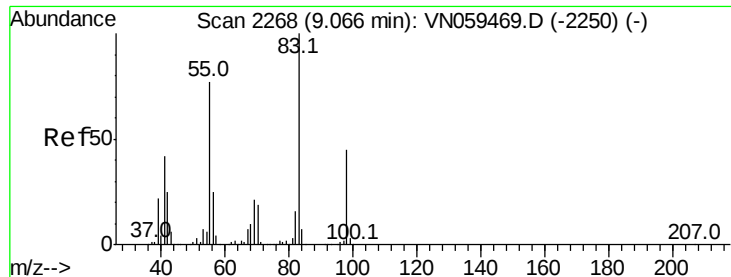
#38
Carbon Tetrachloride
Concen: 49.682 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 117 Resp: 276820
Ion Ratio Lower Upper
117 100
119 97.4 76.6 114.8
121 30.3 24.0 36.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

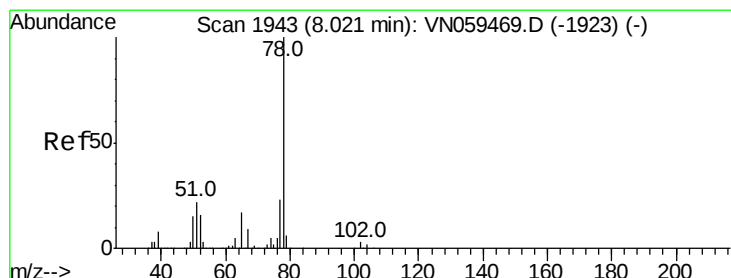
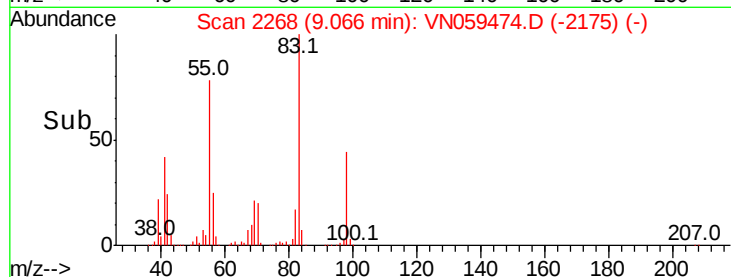
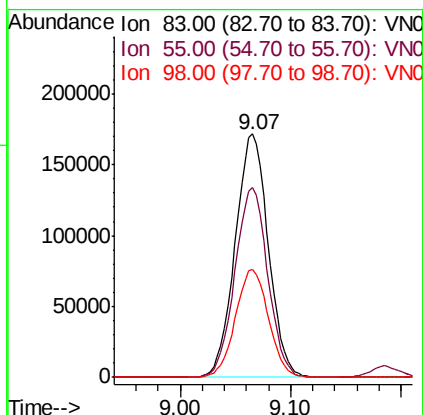
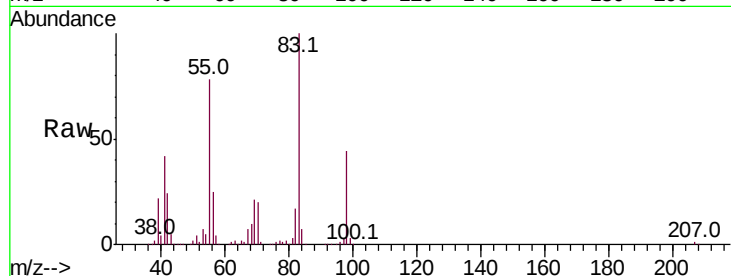




#39
Methvlcvclohexane
Concen: 51.189 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

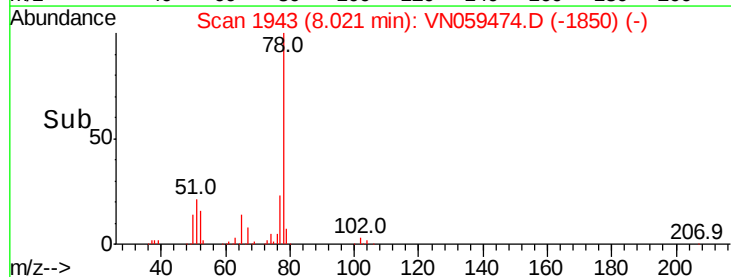
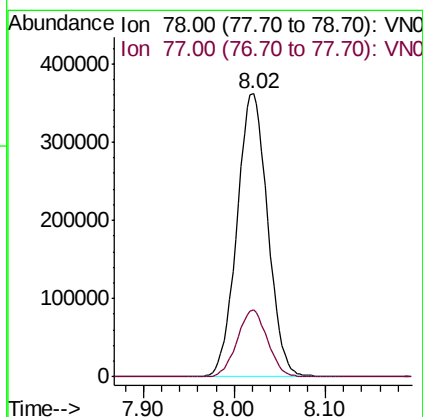
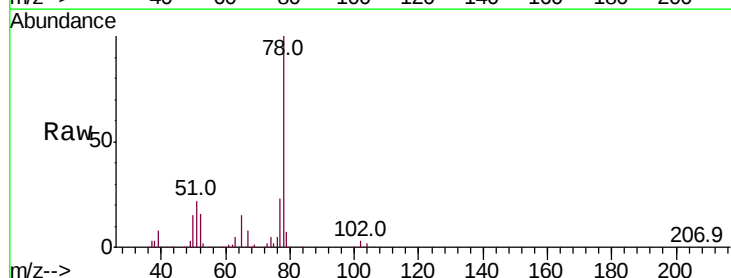
Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

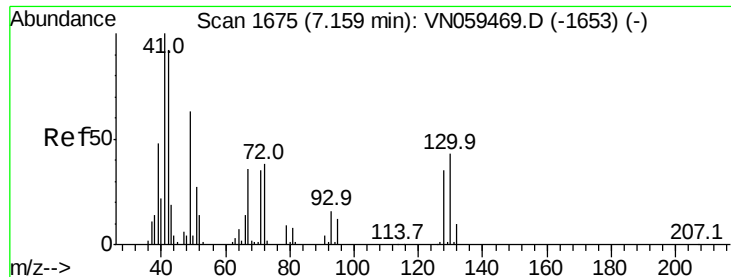
Tot Ion: 83 Resp: 356865
Ion Ratio Lower Upper
83 100
55 77.9 61.8 92.6
98 44.2 36.2 54.2



#40
Benzene
Concen: 50.148 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 78 Resp: 850715
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

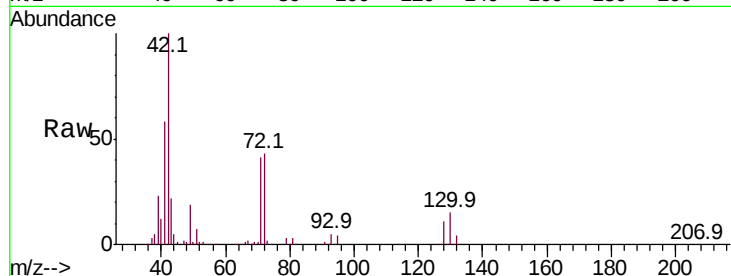




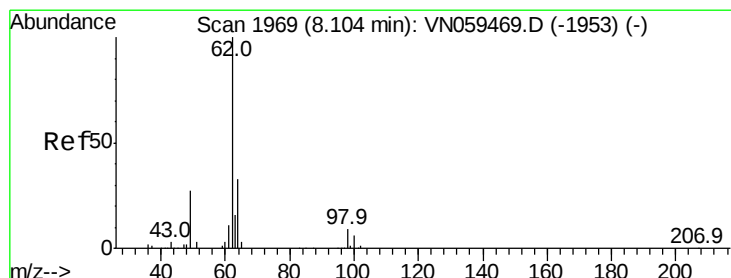
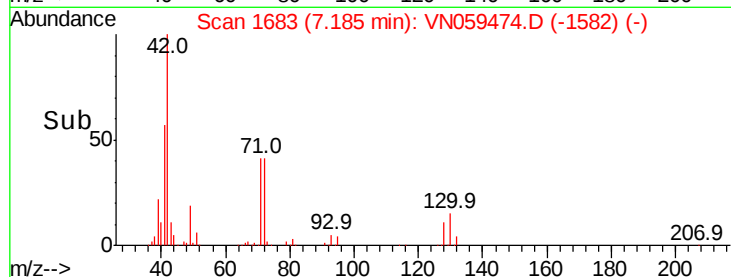
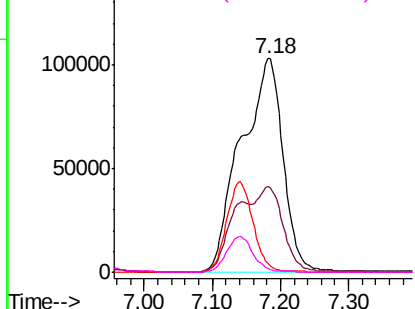
#41
Methacrylonitrile
Concen: 167.541 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

Tot Ion:	41	Resp:	439387
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

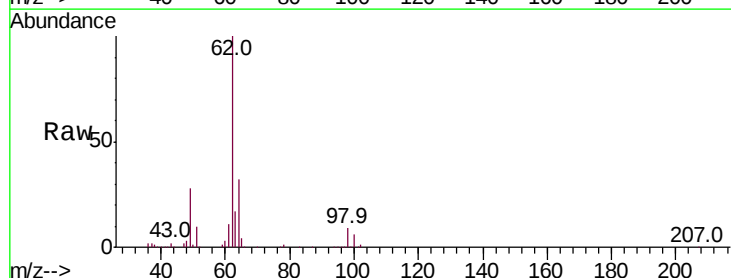


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

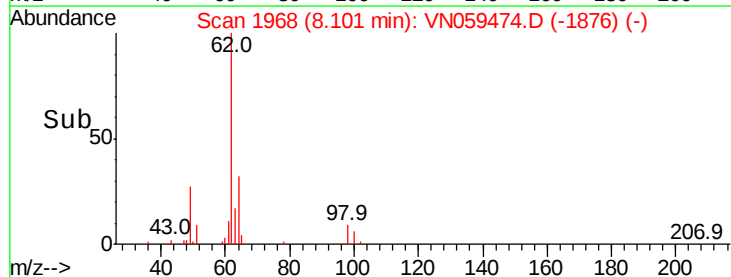
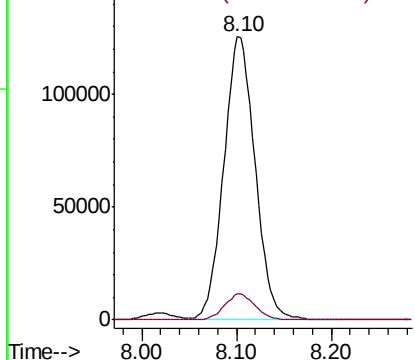


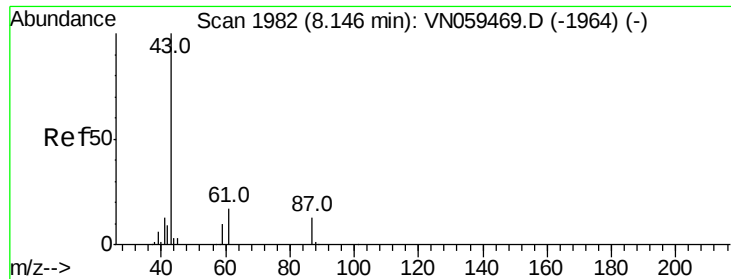
#42
1,2-Dichloroethane
Concen: 49.964 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion:	62	Resp:	287920
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

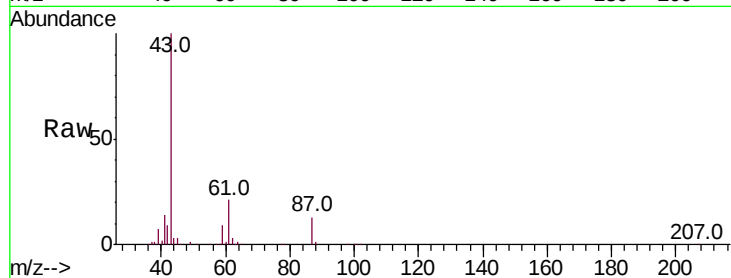




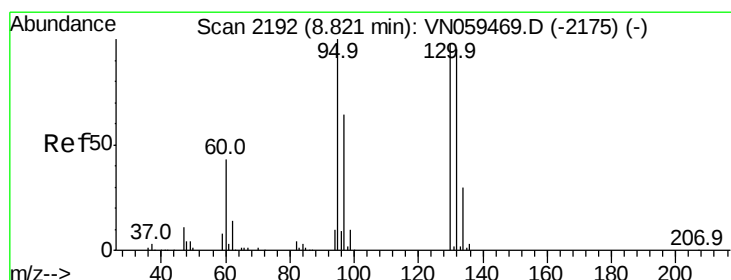
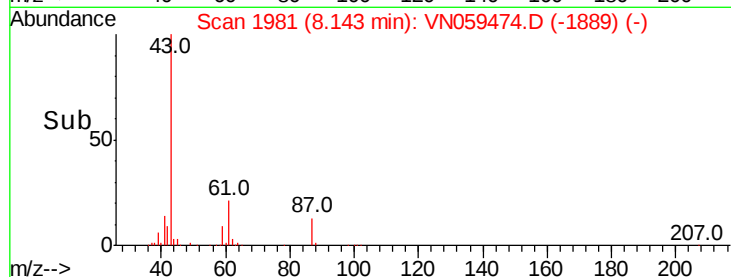
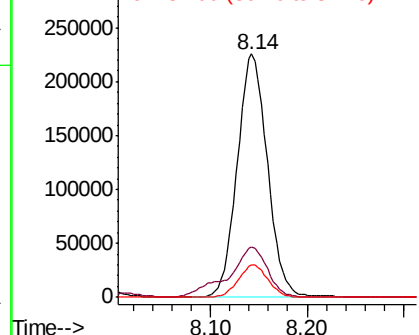
#43
Isopropyl Acetate
Concen: 50.712 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Instrument :
MSVOA_U
ClientSampleId :
ICVVN120319

Tot Ion: 43 Resp: 488070
Ion Ratio Lower Upper
43 100
61 26.4 21.0 31.6
87 13.1 10.4 15.6

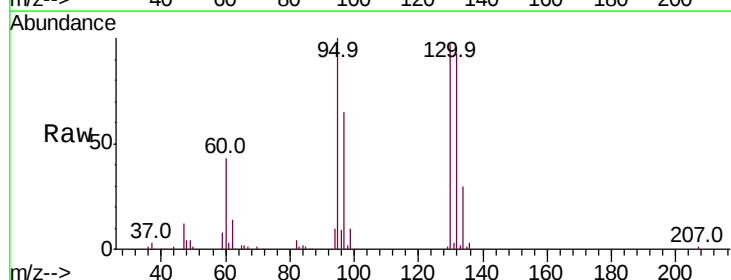


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

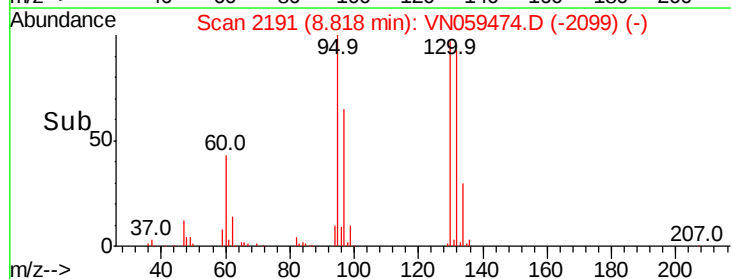
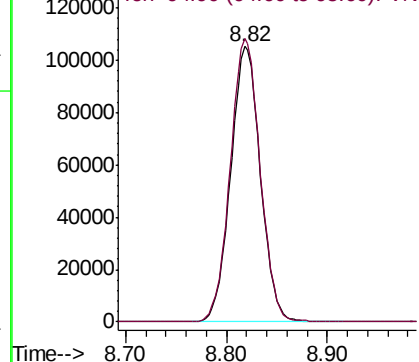


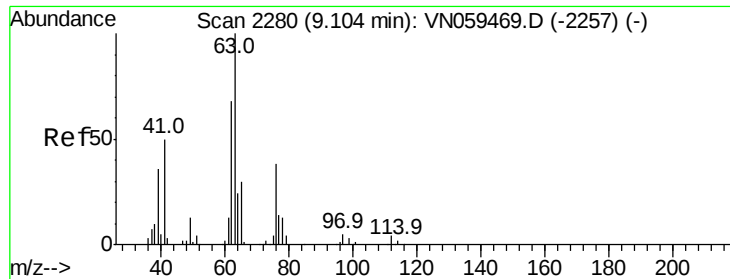
#44
Trichloroethene
Concen: 48.677 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion:130 Resp: 215796
Ion Ratio Lower Upper
130 100
95 102.8 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 50.177 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

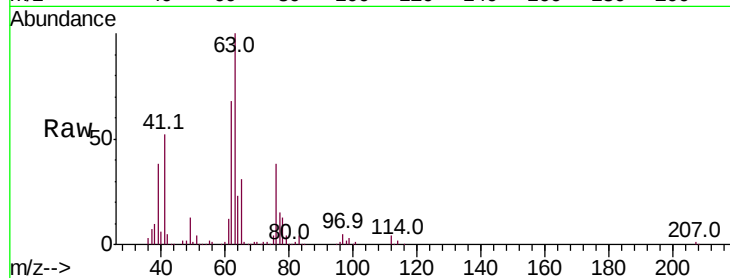
ICVFN120319

Tot Ion: 63 Resp: 227413

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.10

120000

100000

80000

60000

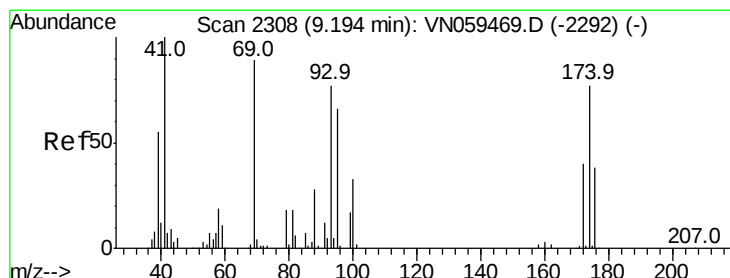
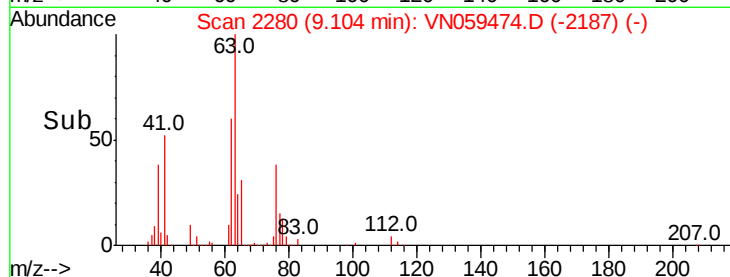
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 49.835 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

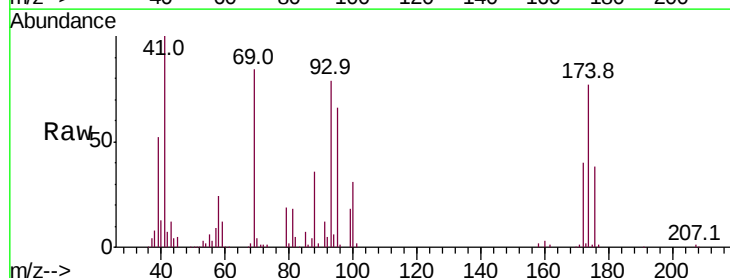
Tgt Ion: 93 Resp: 140621

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.6

174 99.4 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.19

80000

60000

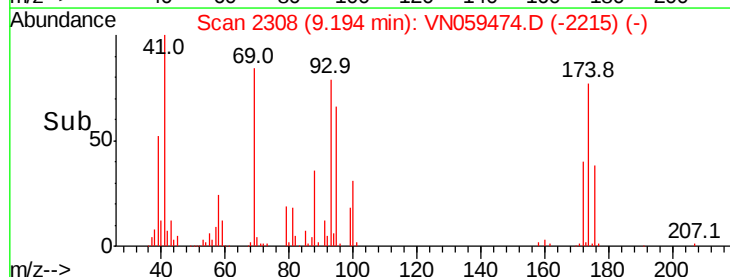
40000

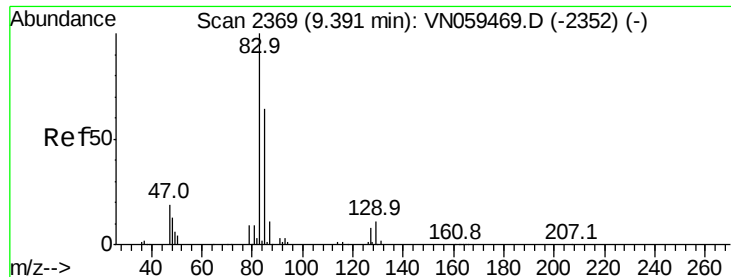
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 50.898 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

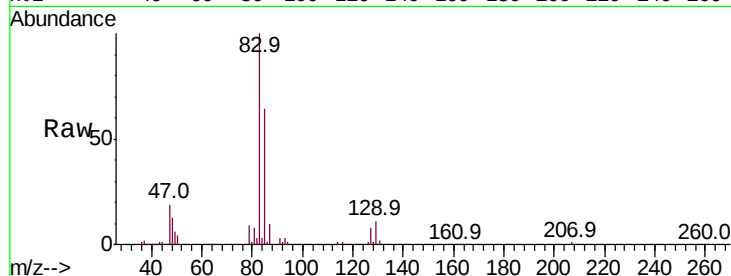
Tot Ion: 83 Resp: 287971

Ion Ratio Lower Upper

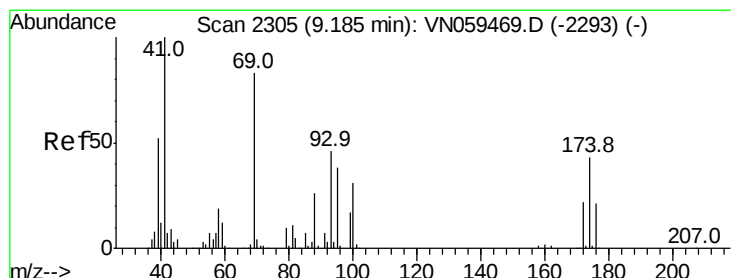
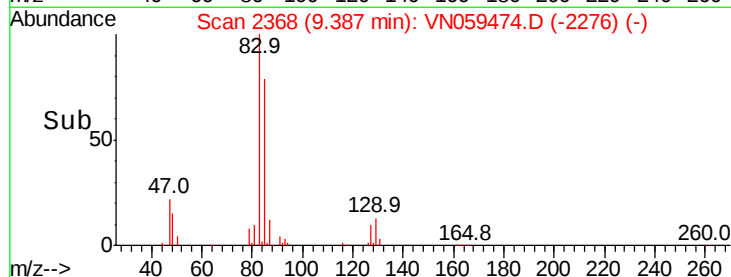
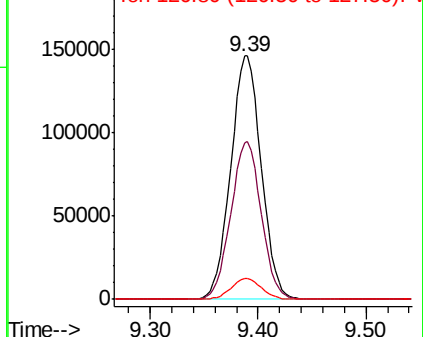
83 100

85 64.3 51.0 76.6

127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.465 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

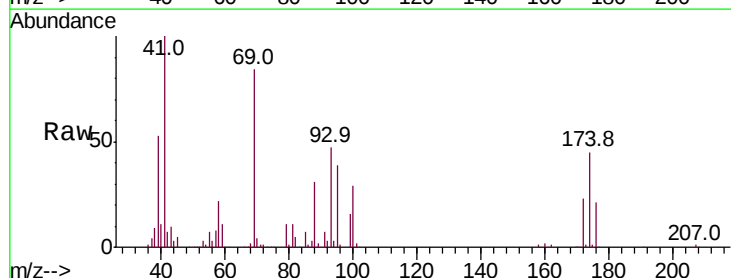
Tgt Ion: 41 Resp: 219123

Ion Ratio Lower Upper

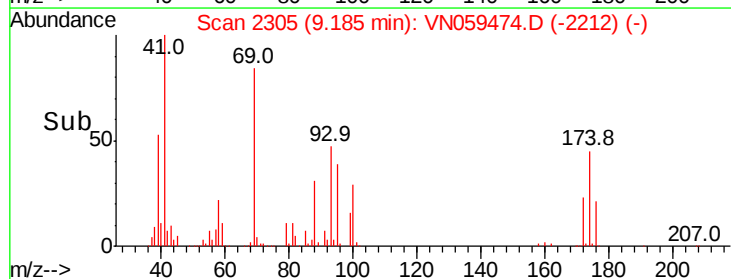
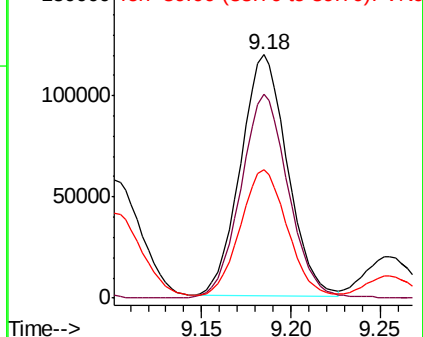
41 100

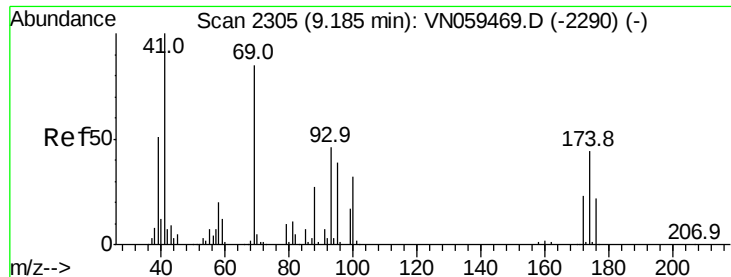
69 85.8 68.6 103.0

39 53.8 43.2 64.8



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





#49

1,4-Dioxane

Concen: 1169.595 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

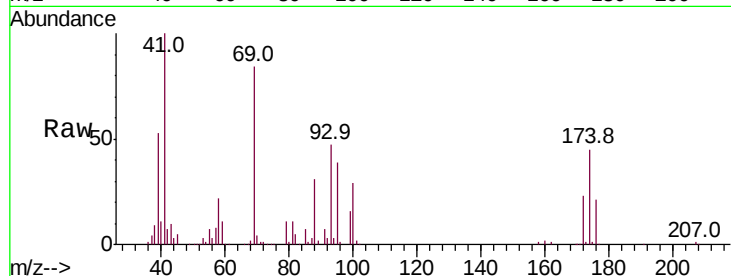
Tot Ion: 88 Resp: 76846

Ion Ratio Lower Upper

88 100

43 32.9 27.1 40.7

58 71.3 57.8 86.6

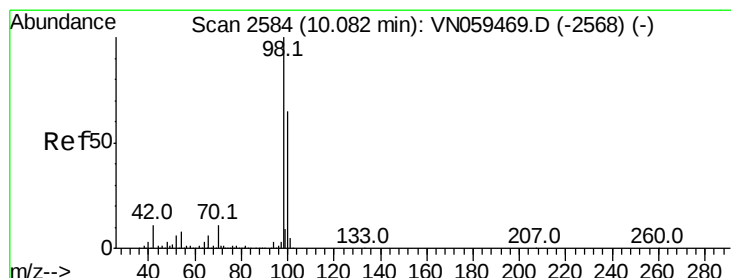
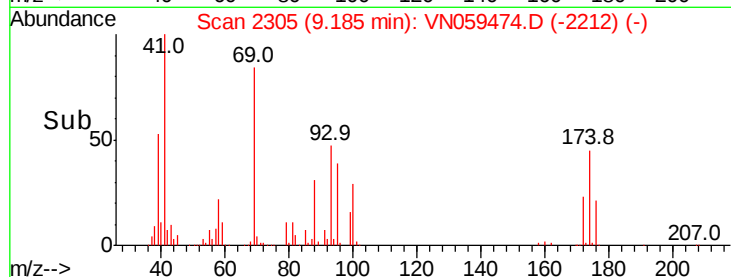
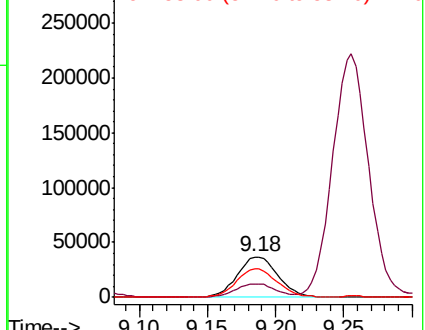


Abundance

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



#50

Toluene-d8

Concen: 49.317 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059474.D

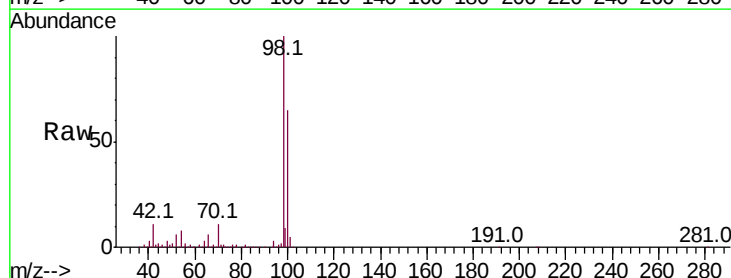
Acq: 3 Dec 2019 17:31

Tgt Ion: 98 Resp: 674191

Ion Ratio Lower Upper

98 100

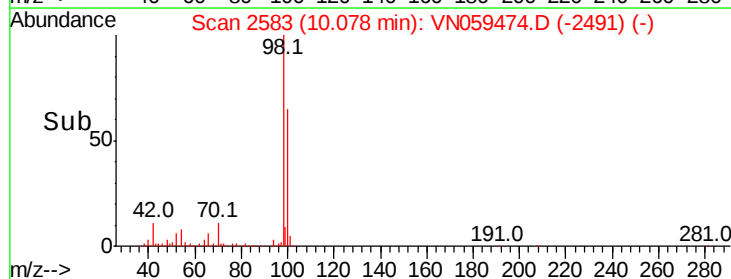
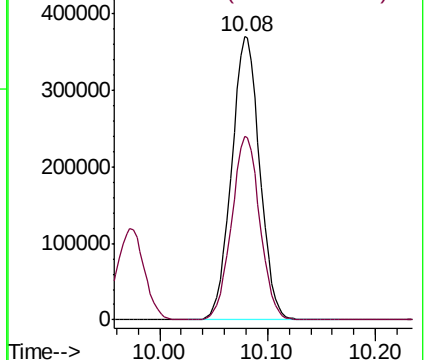
100 64.9 52.1 78.1

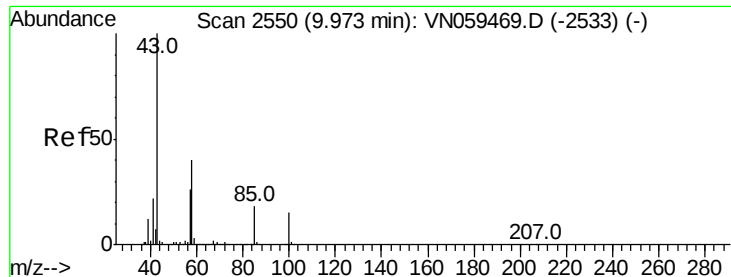


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 259.109 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

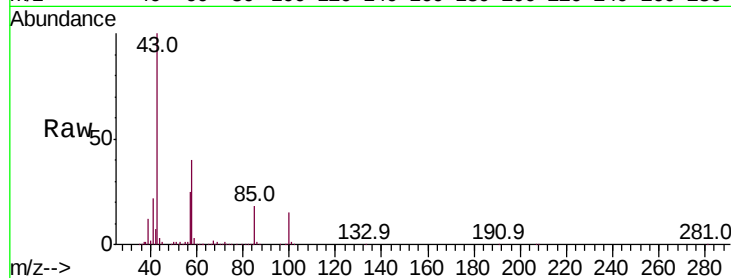
ICVFN120319

Tot Ion: 43 Resp: 1480273

Ion Ratio Lower Upper

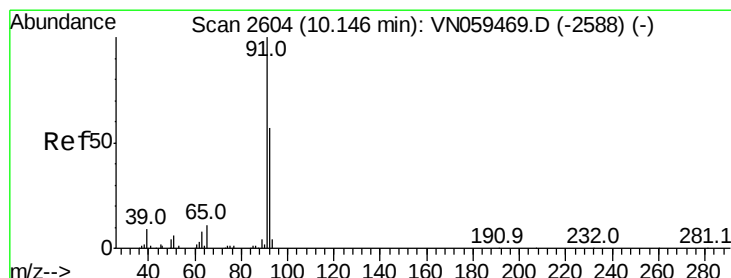
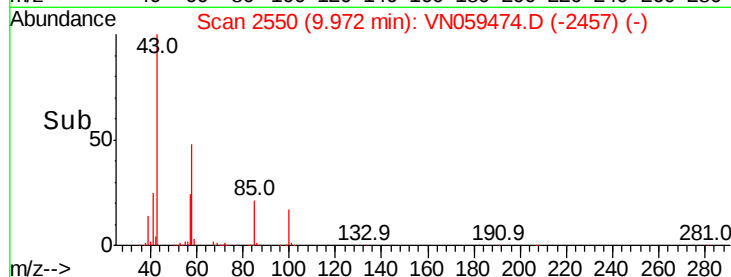
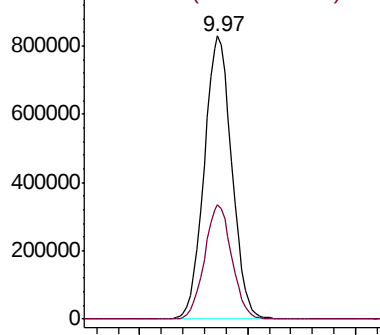
43 100

58 39.9 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.645 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059474.D

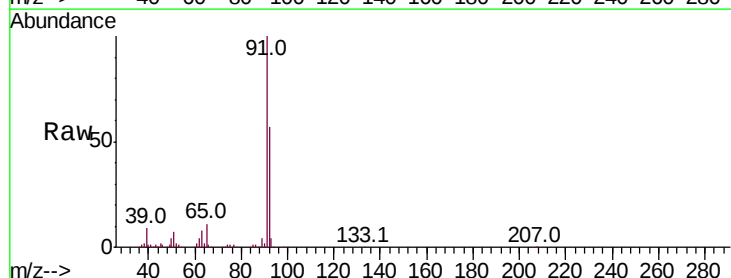
Acq: 3 Dec 2019 17:31

Tgt Ion: 92 Resp: 519610

Ion Ratio Lower Upper

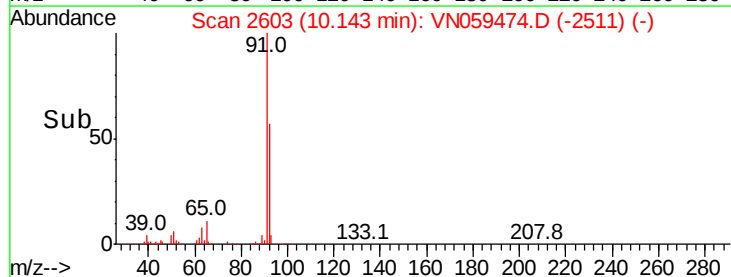
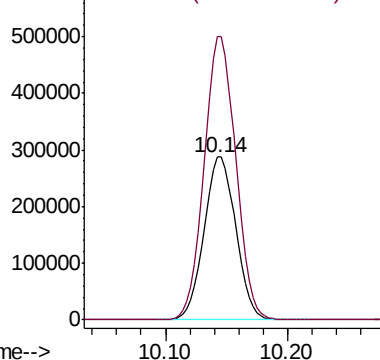
92 100

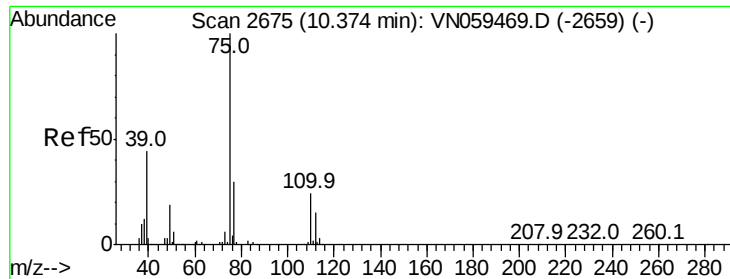
91 173.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.573 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

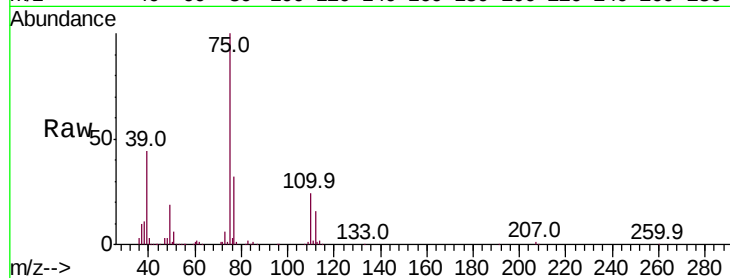
ICVFN120319

Tot Ion: 75 Resp: 336694

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

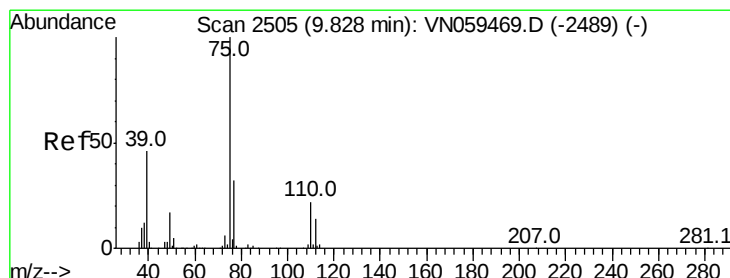
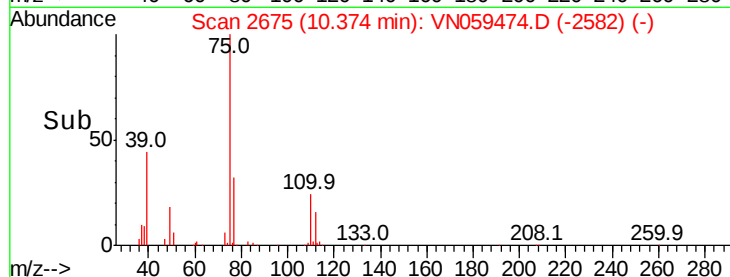
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.710 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

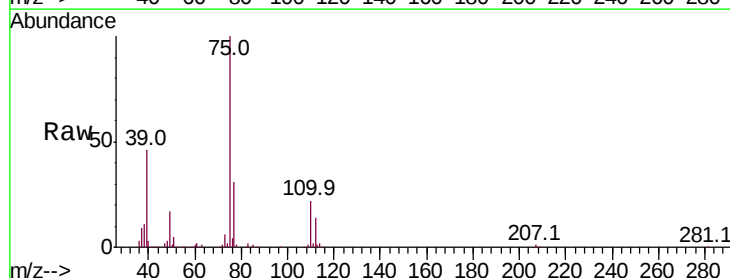
Tgt Ion: 75 Resp: 364898

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 45.5 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

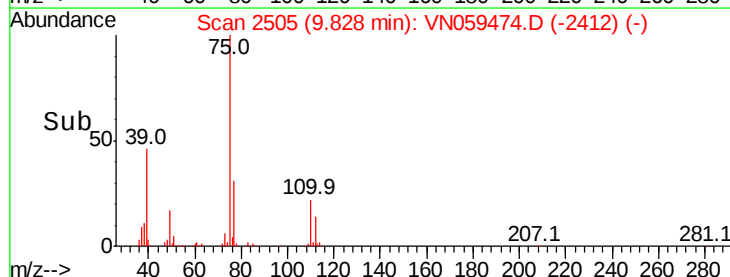
150000

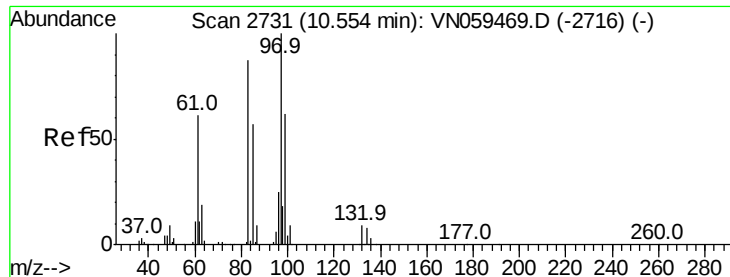
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.969 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

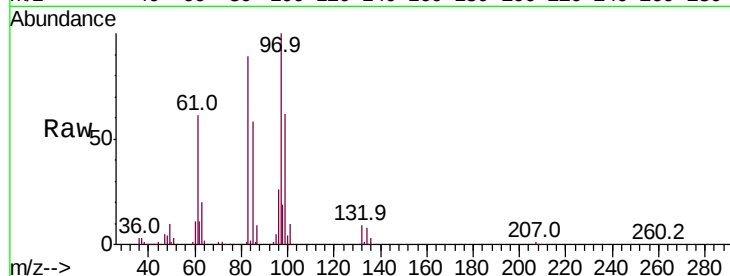
MSVOA_U

ClientSampleId :

ICVFN120319

Tot Ion: 97 Resp: 202103

Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.8	104.8
85	57.8	45.5	68.3
99	62.3	50.0	75.0

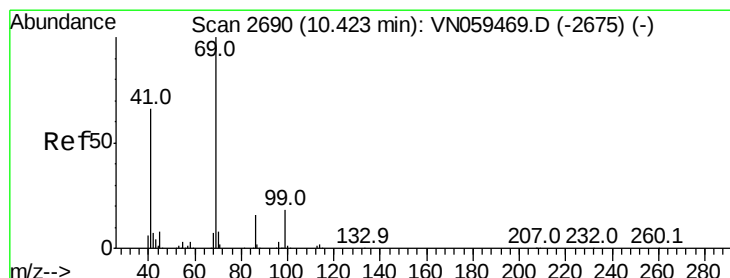
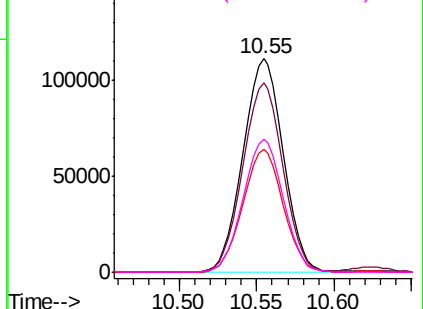
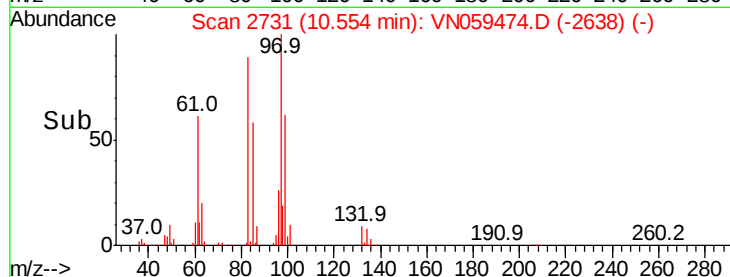


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.738 ug/l

RT: 10.42 min Scan# 2690

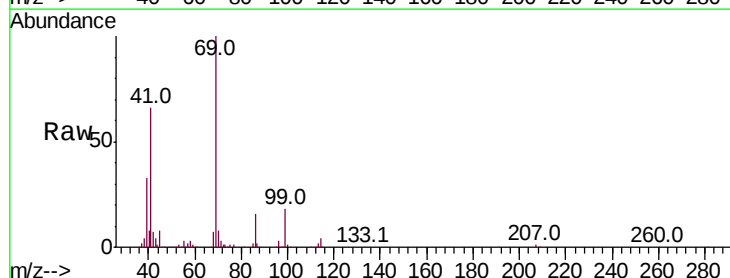
Delta R.T. 0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Tgt Ion: 69 Resp: 318886

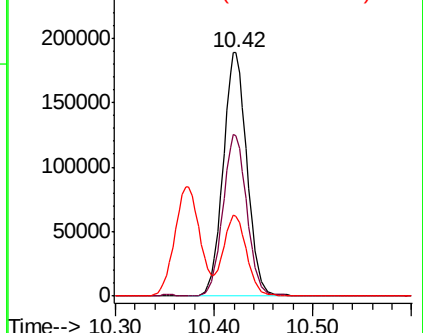
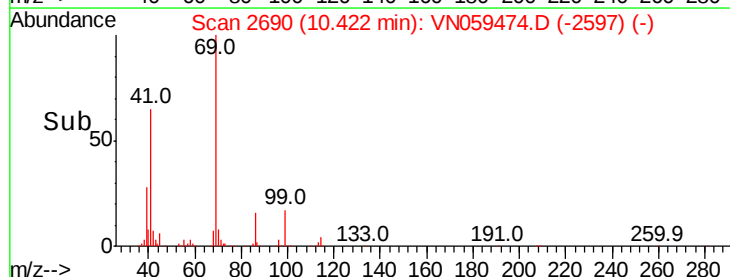
Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.7	79.1
39	31.9	25.0	37.6

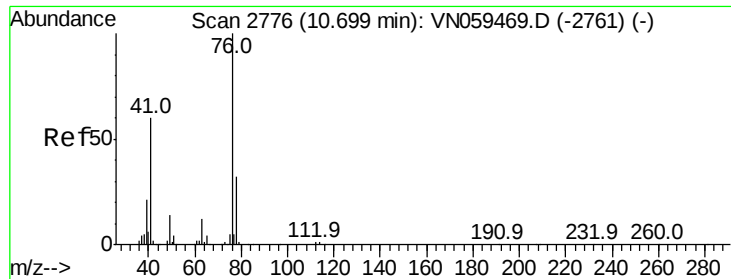


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.339 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

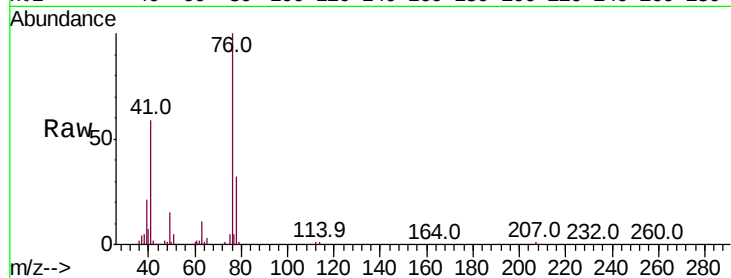
ICVFN120319

Tot Ion: 76 Resp: 352083

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

150000

100000

50000

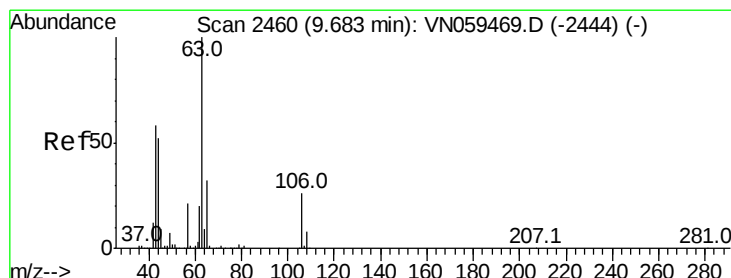
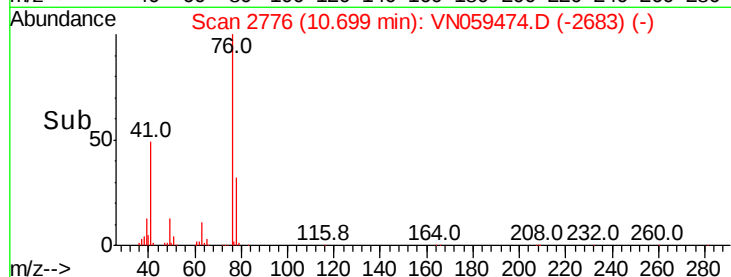
0

Time-->

10.60

10.70

10.80



#58

2-Chloroethyl Vinyl ether

Concen: 230.458 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059474.D

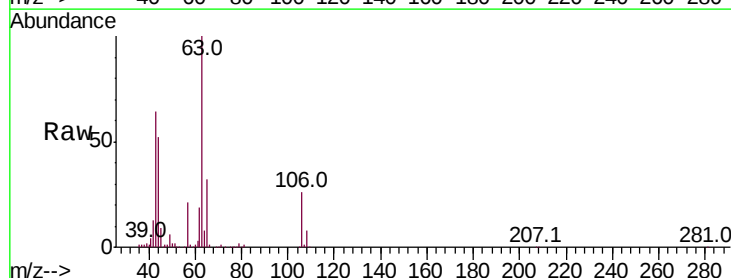
Acq: 3 Dec 2019 17:31

Tgt Ion: 63 Resp: 511706

Ion Ratio Lower Upper

63 100

106 25.6 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

200000

100000

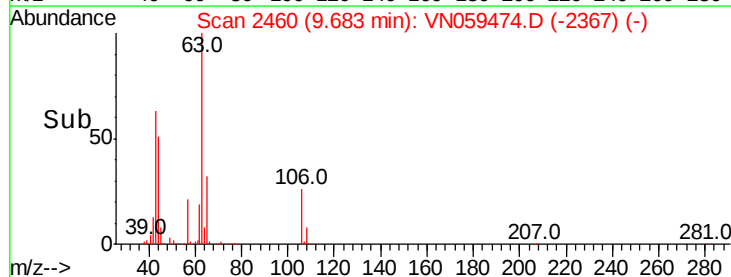
0

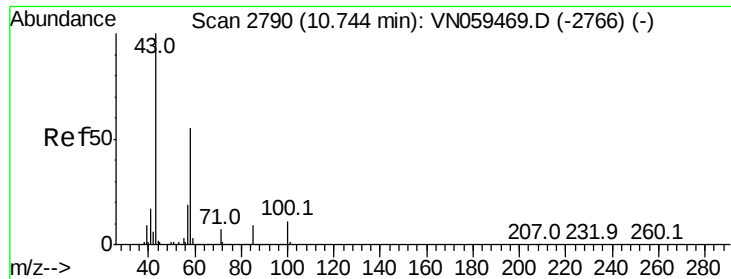
Time-->

9.60

9.70

9.80

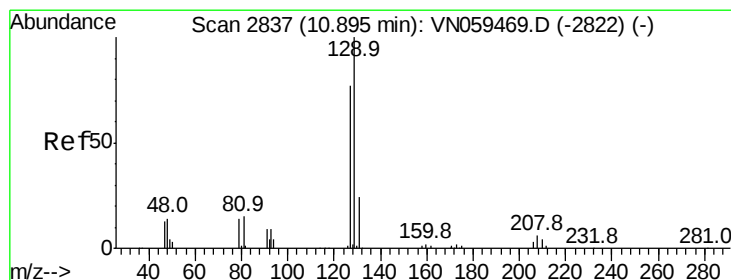
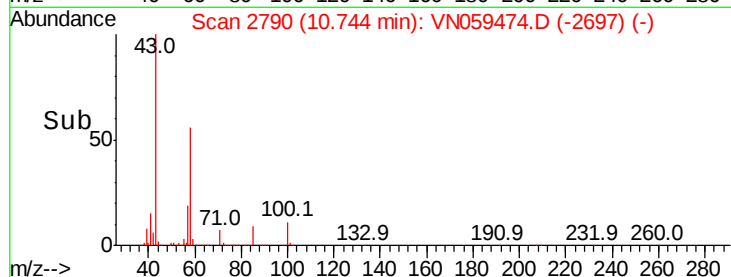
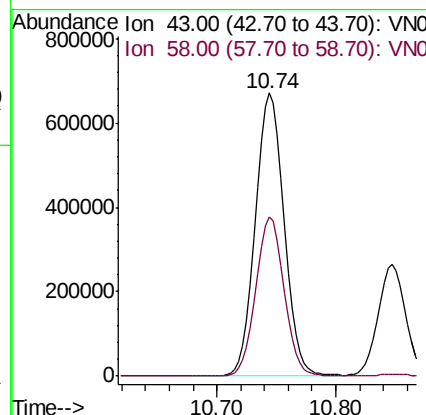
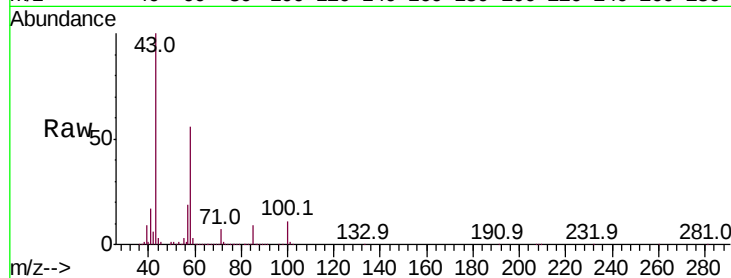




#59
2-Hexanone
Concen: 260.897 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

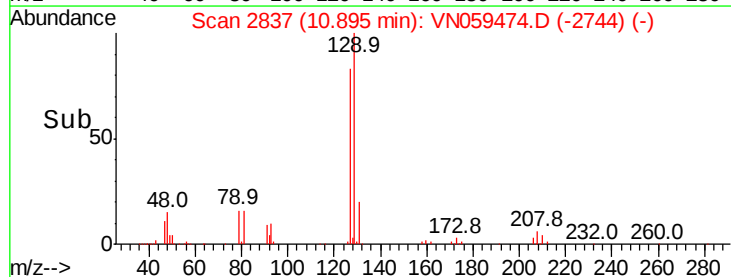
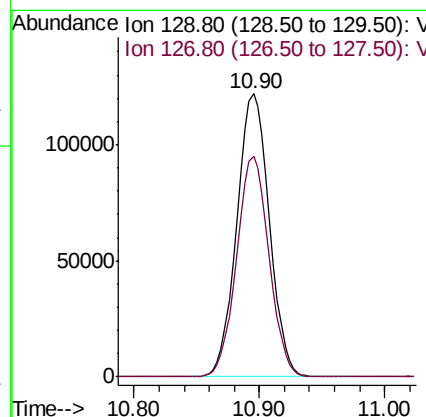
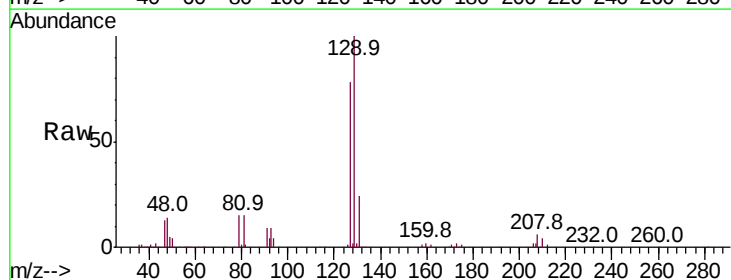
Instrument :
MSVOA_U
ClientSampleId :
ICVVN120319

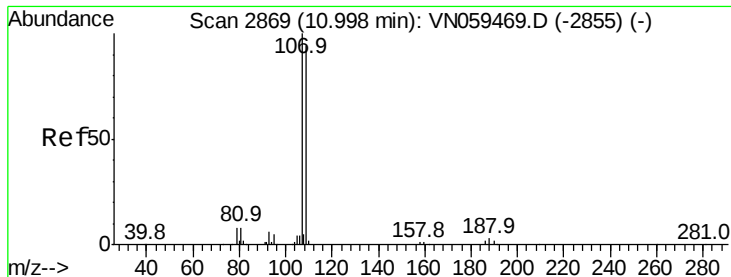
Tot Ion: 43 Resp: 1121699
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 50.940 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 129 Resp: 219985
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9

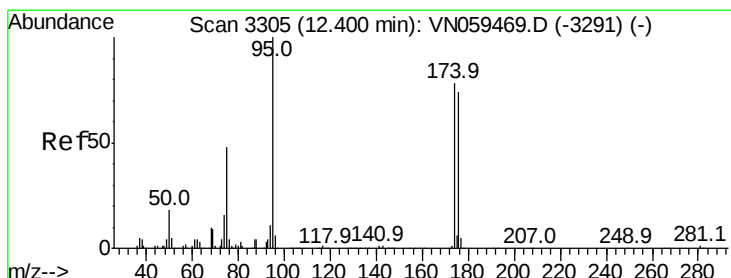
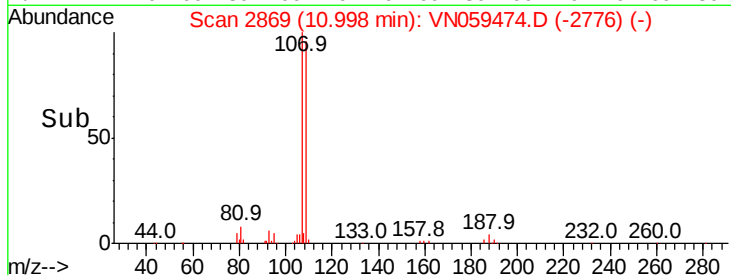
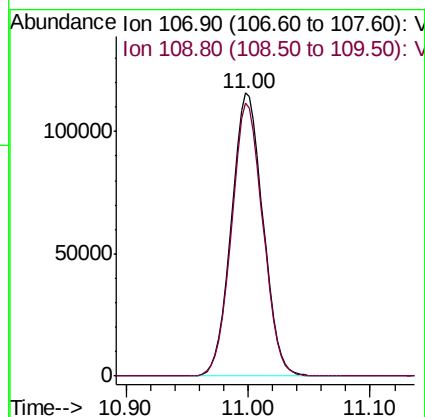
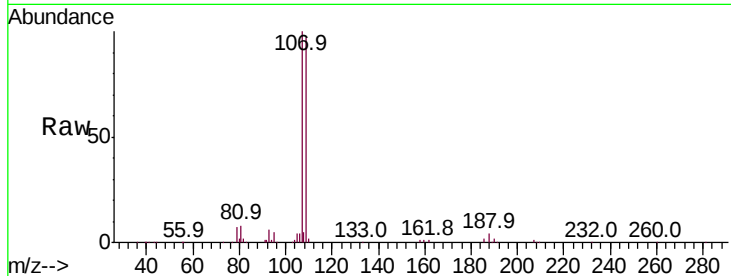




#61
1,2-Dibromoethane
Concen: 49.860 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

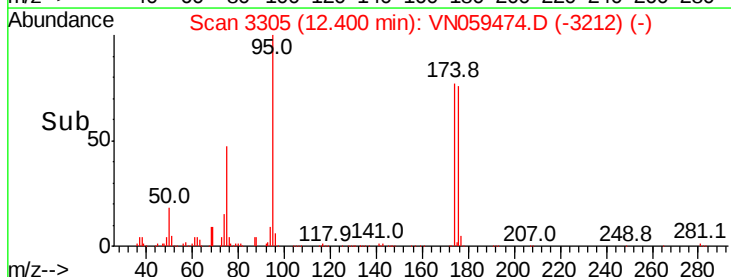
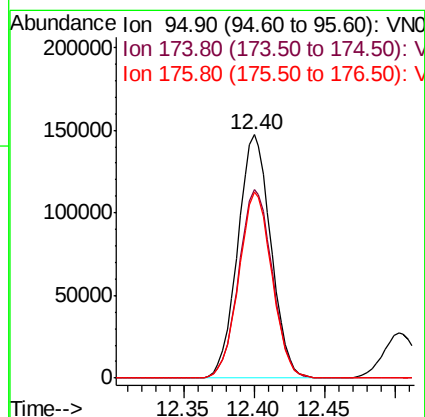
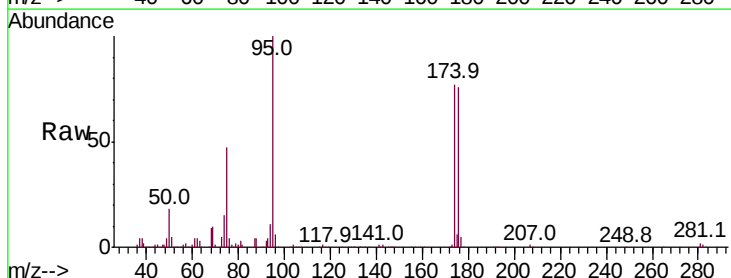
Instrument :
MSVOA_U
ClientSampleId :
ICVVN120319

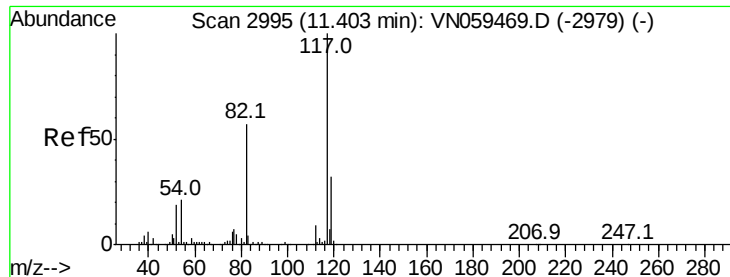
Tot Ion:107 Resp: 208377
Ion Ratio Lower Upper
107 100
109 95.8 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 50.863 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion: 95 Resp: 242829
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.0
176 76.6 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

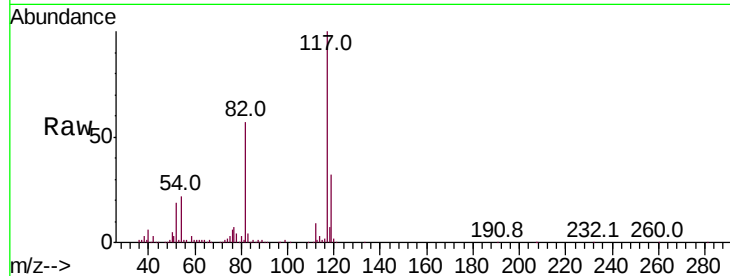
Tot Ion:117 Resp: 507152

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

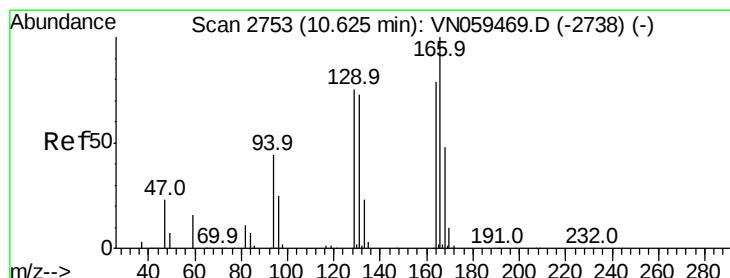
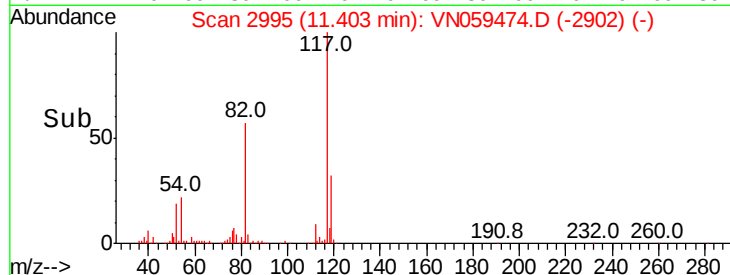
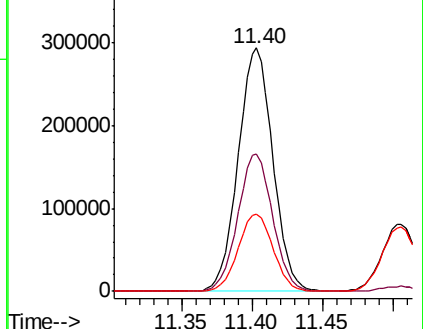
119 31.9 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.431 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Tgt Ion:164 Resp: 200298

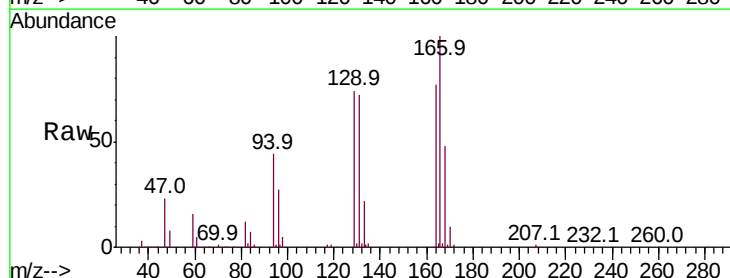
Ion Ratio Lower Upper

164 100

166 129.2 101.2 151.8

129 96.1 76.1 114.1

131 93.1 73.7 110.5

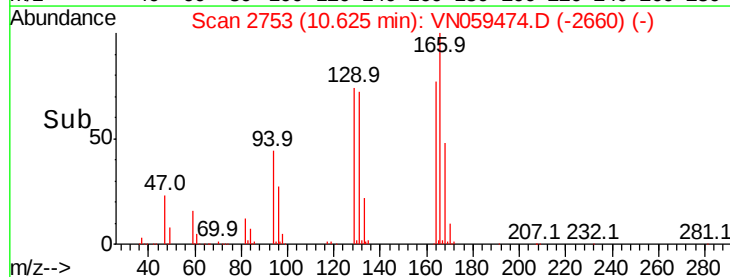
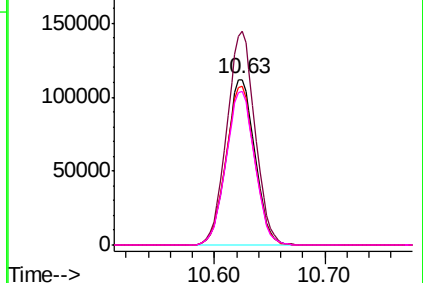


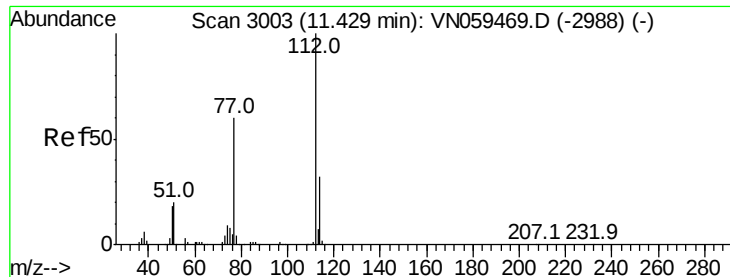
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.846 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

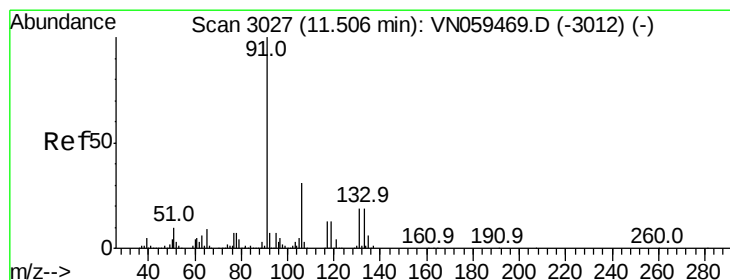
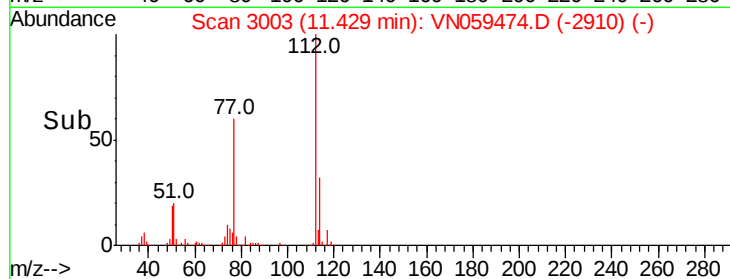
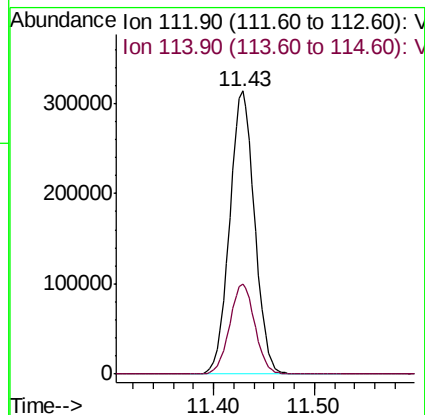
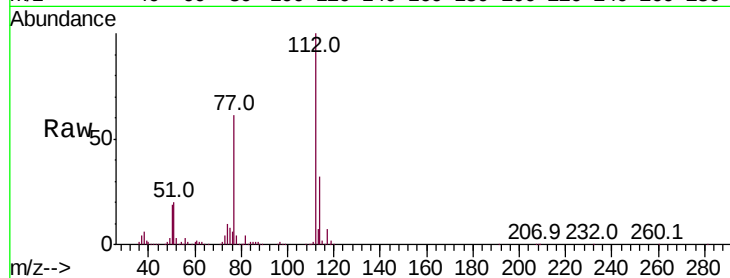
ICVFN120319

Tot Ion:112 Resp: 541557

Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 50.296 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

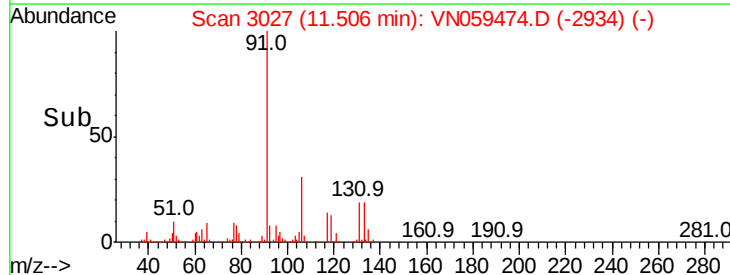
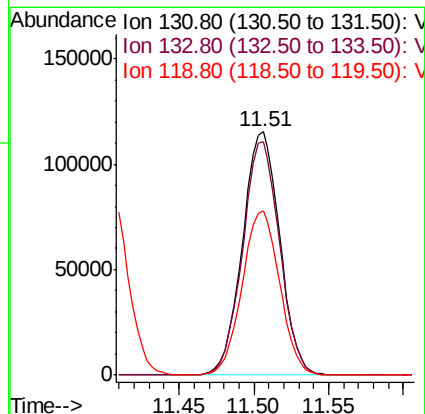
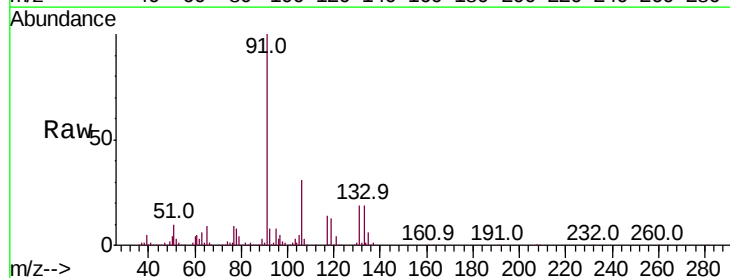
Tgt Ion:131 Resp: 200367

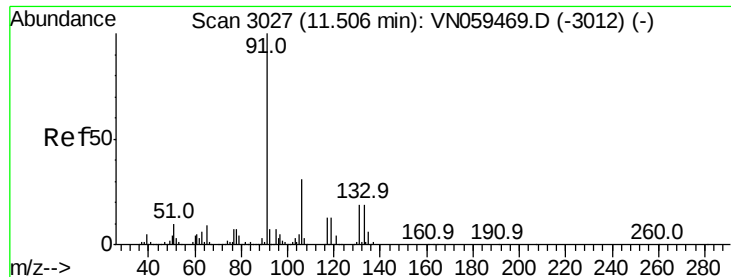
Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 67.8 33.9 101.6





#67

Ethyl Benzene

Concen: 51.031 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

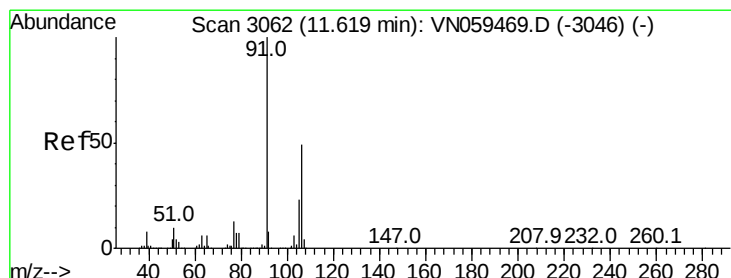
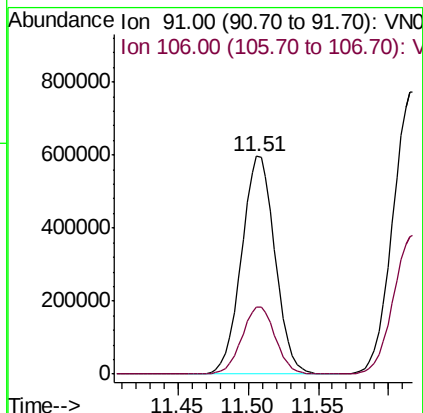
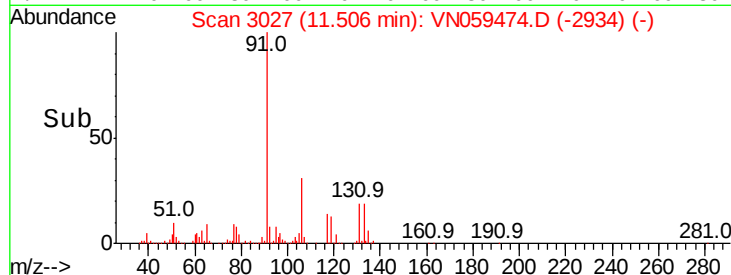
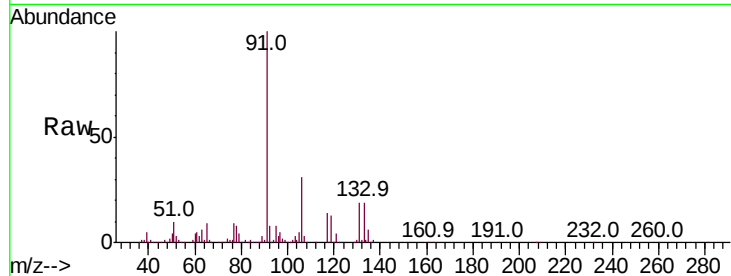
ICVFN120319

Tot Ion: 91 Resp: 991279

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 102.836 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059474.D

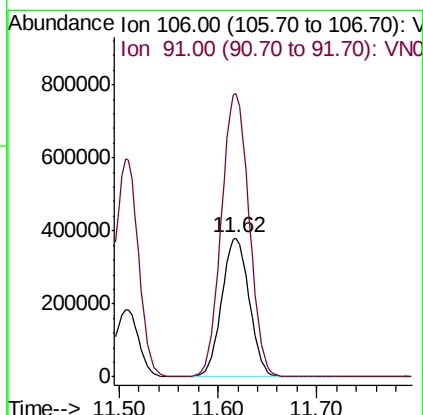
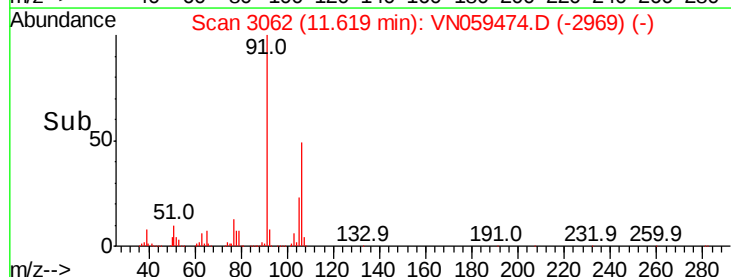
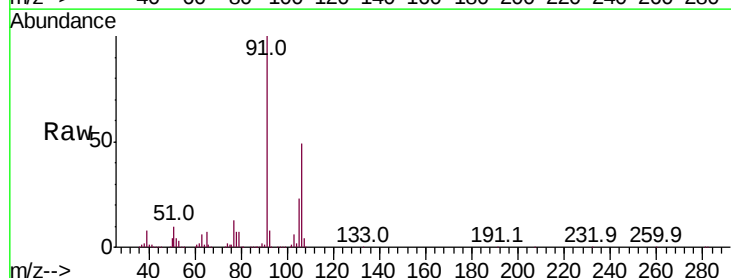
Acq: 3 Dec 2019 17:31

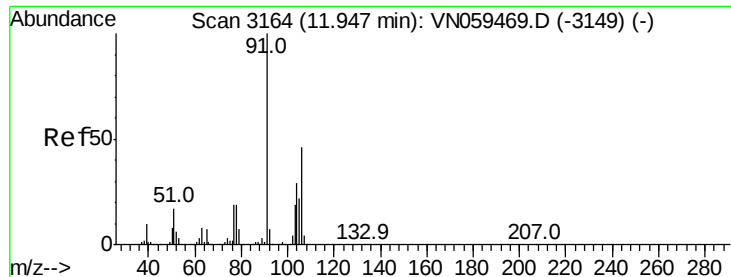
Tgt Ion: 106 Resp: 743804

Ion Ratio Lower Upper

106 100

91 205.5 162.2 243.4

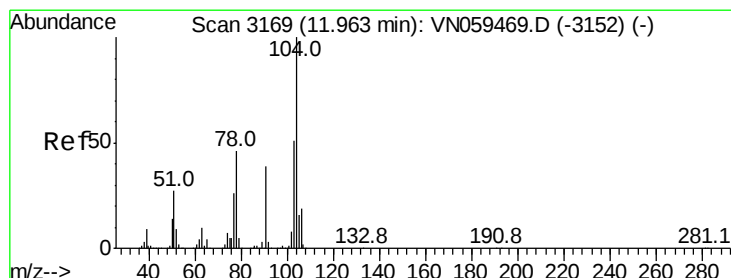
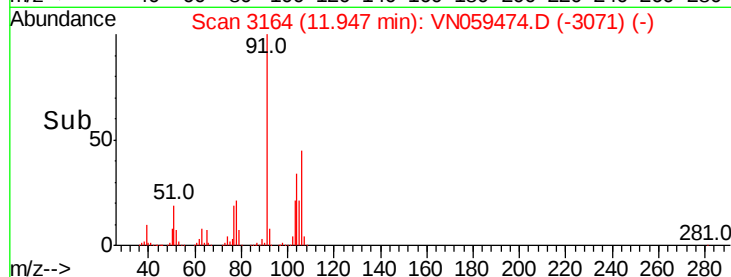
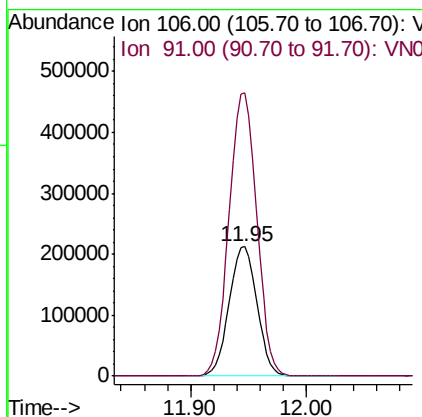
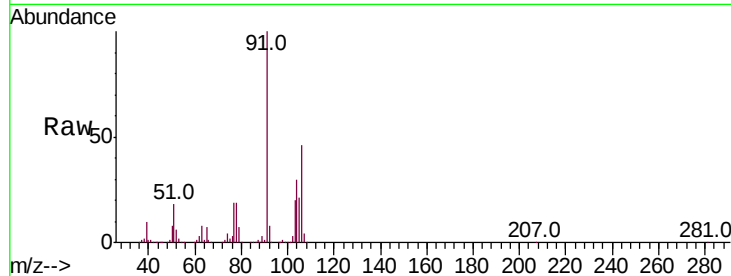




#69
o-Xylene
Concen: 51.280 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

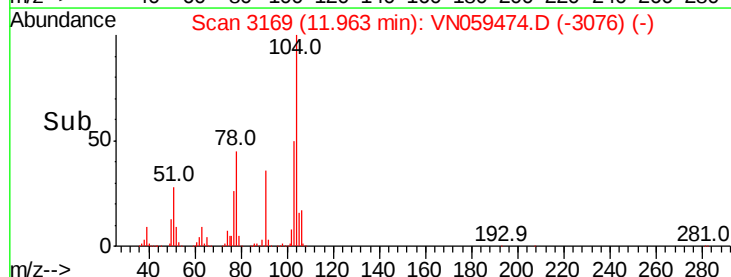
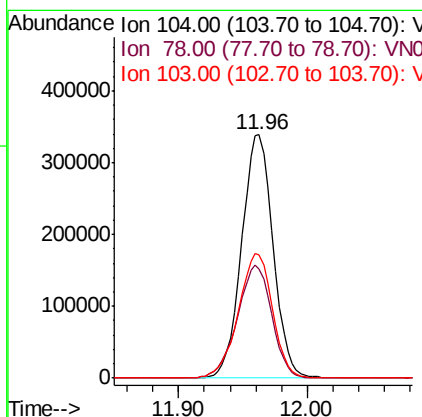
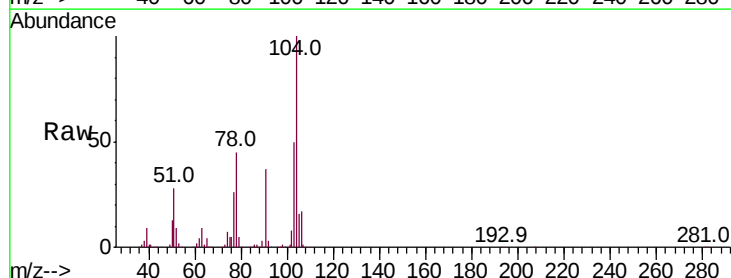
Instrument :
MSVOA_U
ClientSampleId :
ICVFN120319

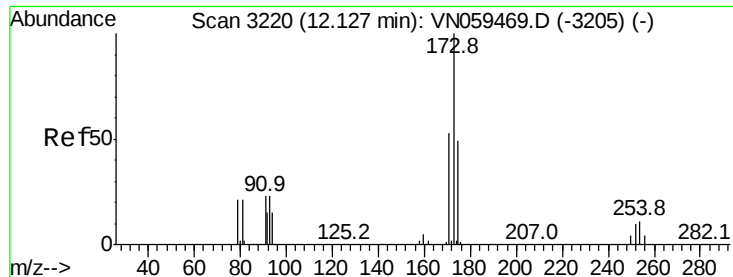
Tot Ion:106 Resp: 353116
Ion Ratio Lower Upper
106 100
91 218.2 108.5 325.3



#70
Styrene
Concen: 52.335 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059474.D
Acq: 3 Dec 2019 17:31

Tgt Ion:104 Resp: 575290
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.4
103 55.6 44.7 67.1





#71

Bromoform

Concen: 50.890 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

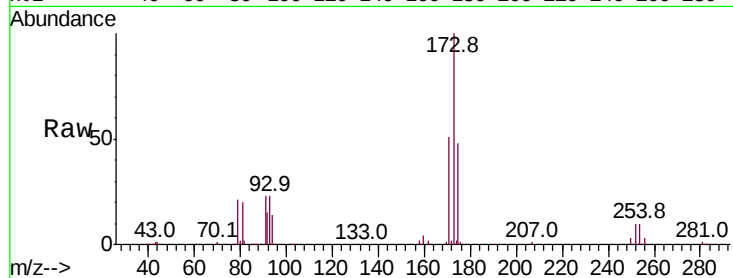
Tot Ion:173 Resp: 158023

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

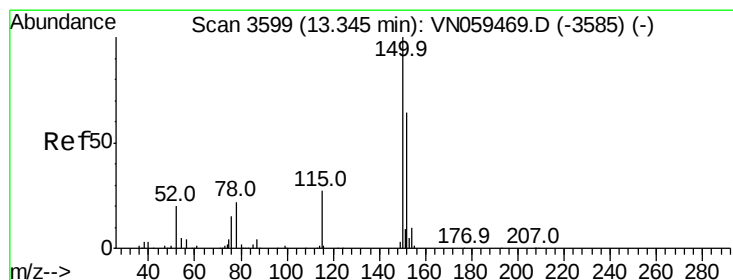
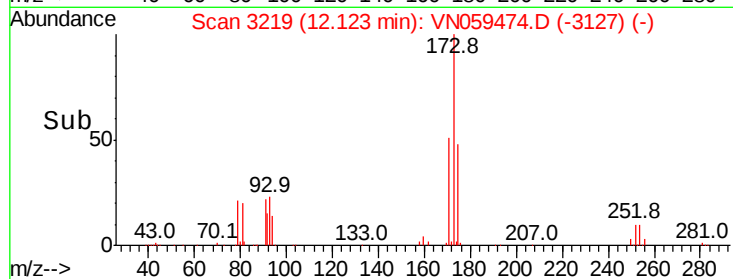
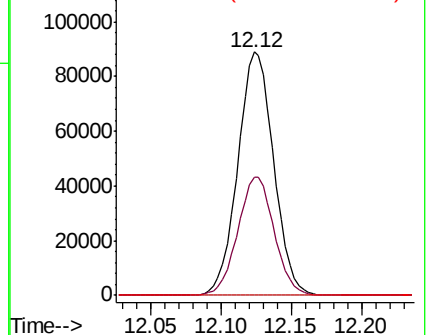
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

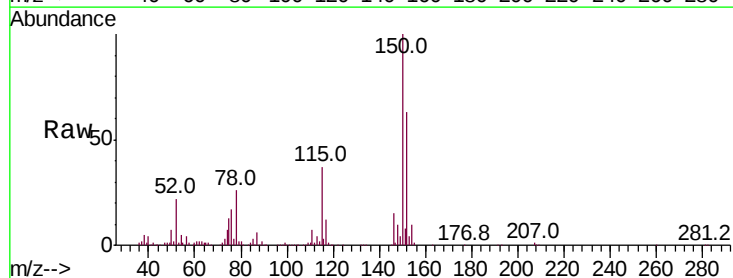
Tgt Ion:152 Resp: 242951

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

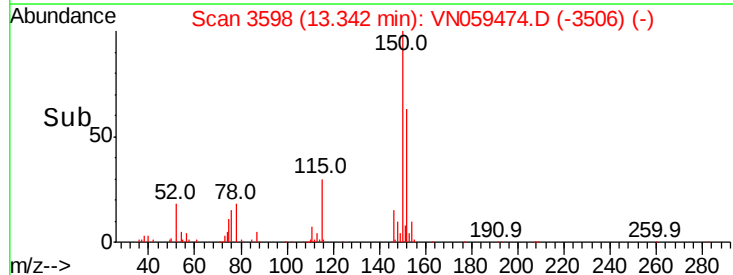
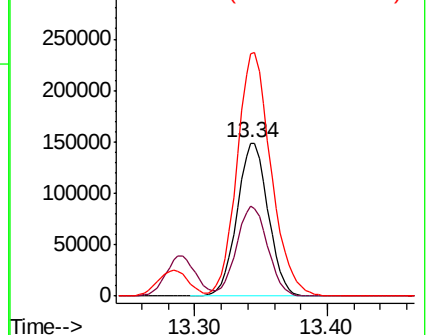
150 173.9 0.0 352.8

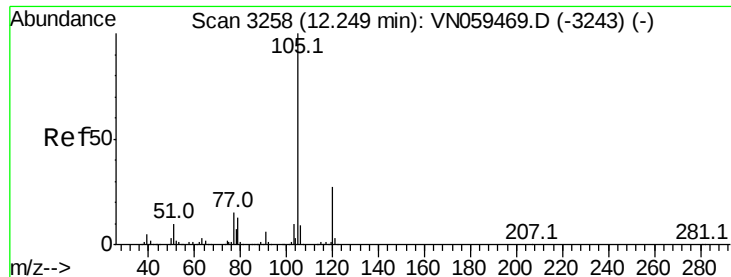


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.640 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

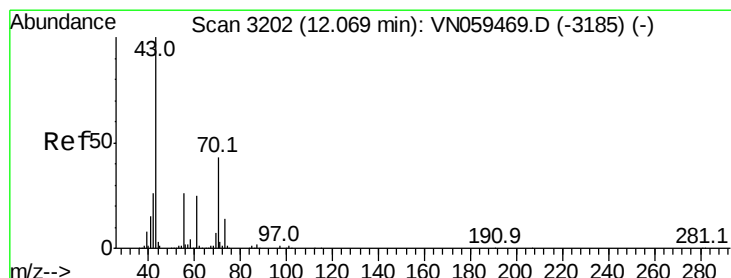
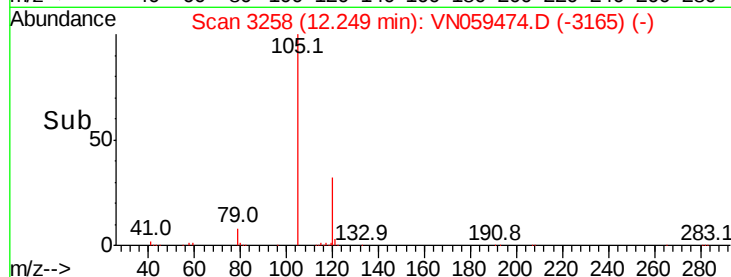
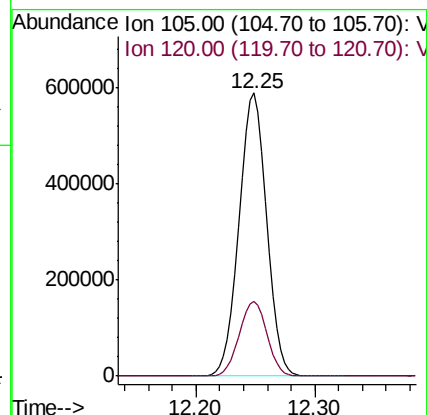
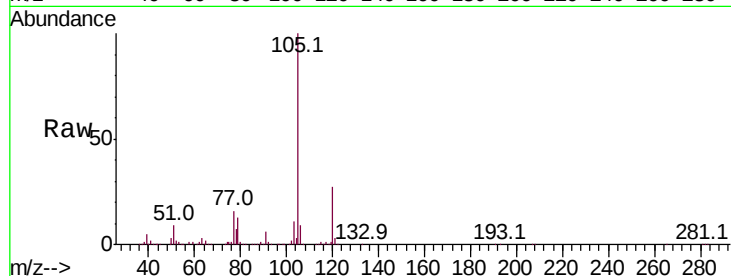
ICVNN120319

Tot Ion:105 Resp: 947702

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 50.732 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Tgt Ion: 43 Resp: 398146

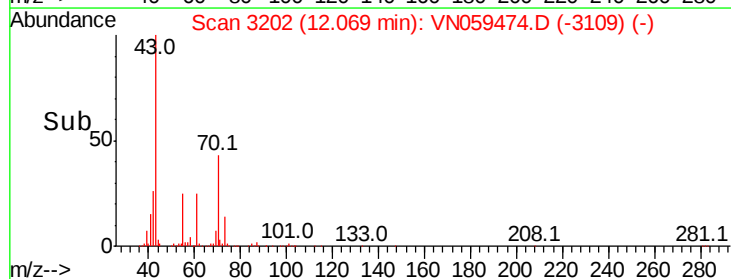
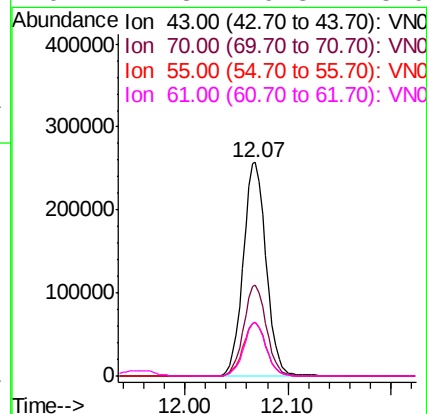
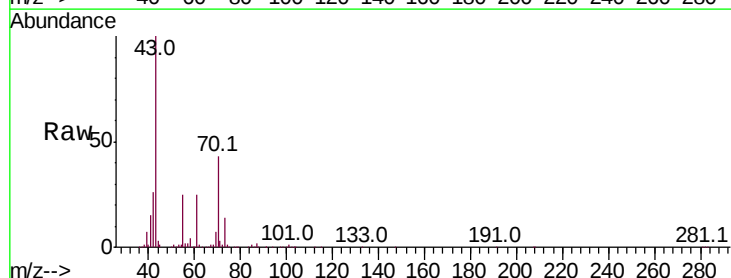
Ion Ratio Lower Upper

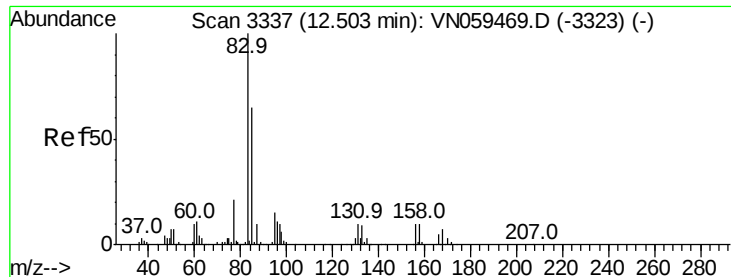
43 100

70 42.4 34.2 51.2

55 25.3 20.6 31.0

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.029 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

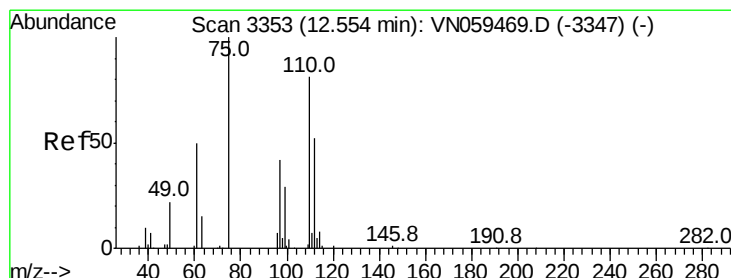
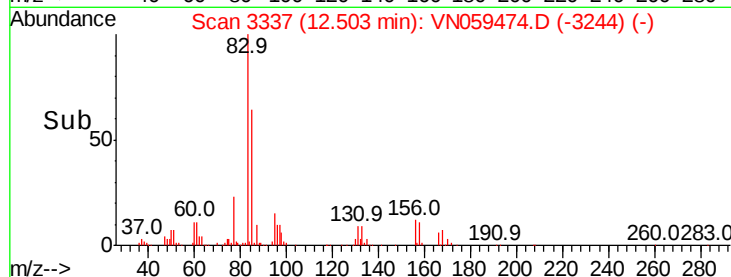
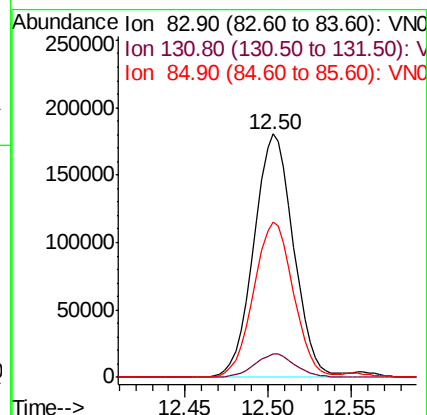
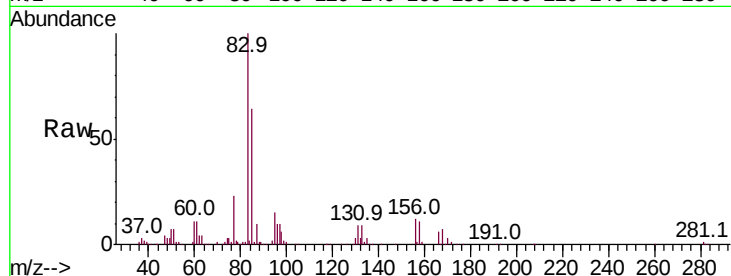
Tot Ion: 83 Resp: 300173

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.1	32.2	96.6

83 100

131 9.8 4.9 14.7

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 67.280 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059474.D

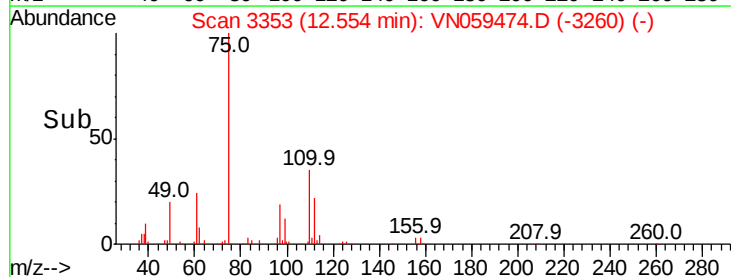
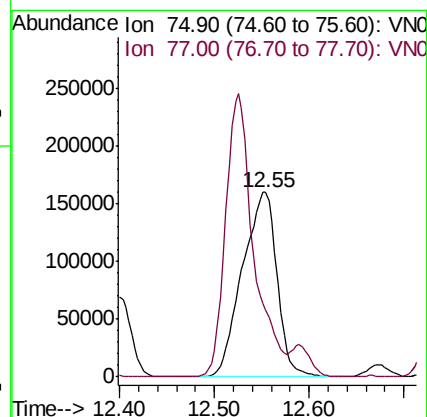
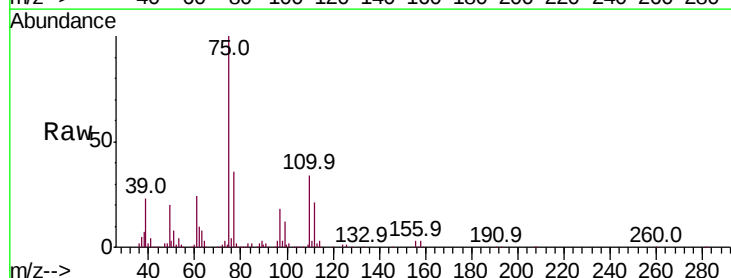
Acq: 3 Dec 2019 17:31

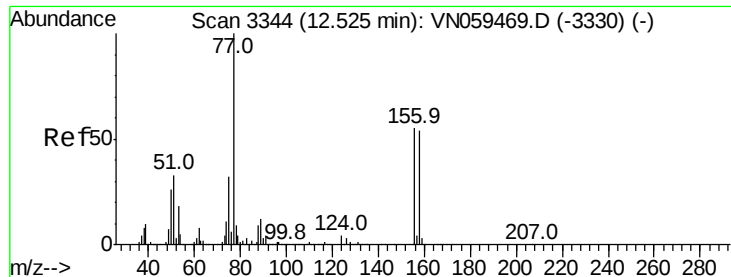
Tgt Ion: 75 Resp: 406425

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.036 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

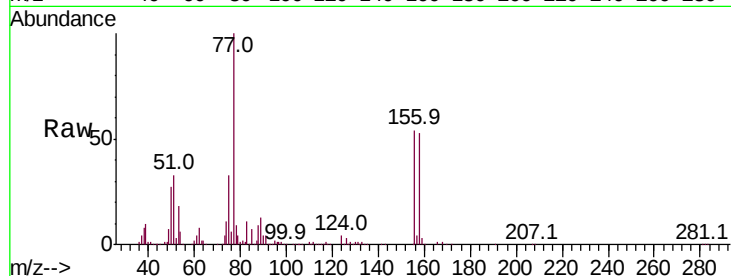
Tot Ion:156 Resp: 229011

Ion Ratio Lower Upper

156 100

77 221.6 110.3 331.0

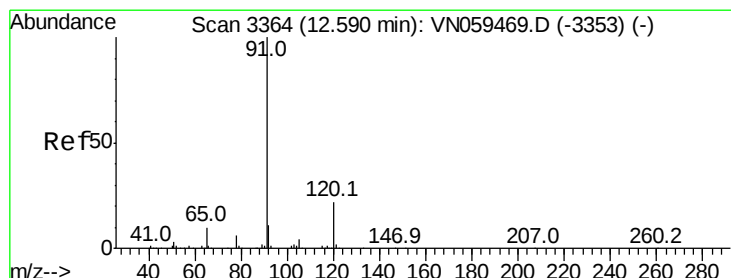
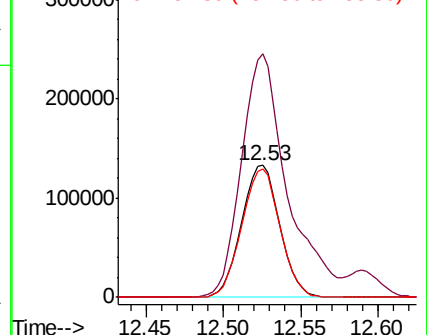
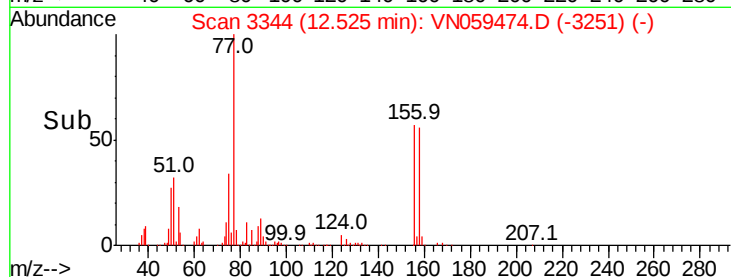
158 97.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.581 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059474.D

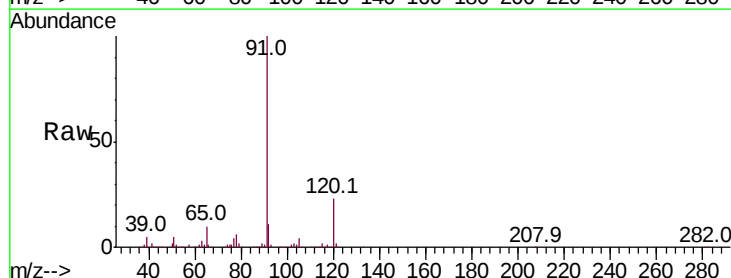
Acq: 3 Dec 2019 17:31

Tgt Ion: 91 Resp: 1124190

Ion Ratio Lower Upper

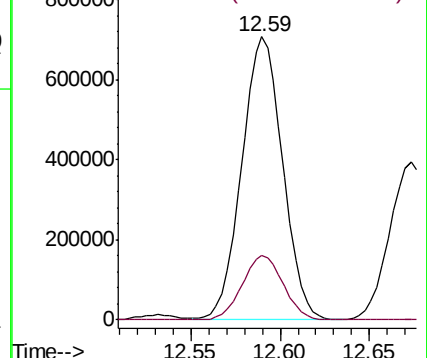
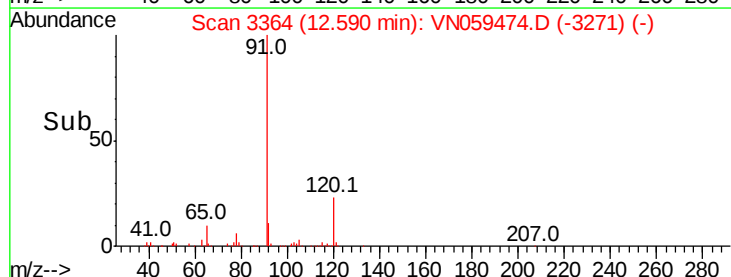
91 100

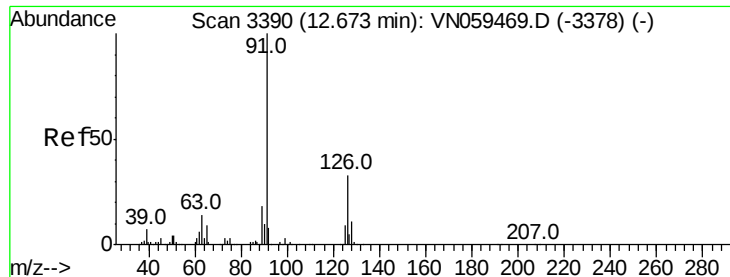
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.807 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

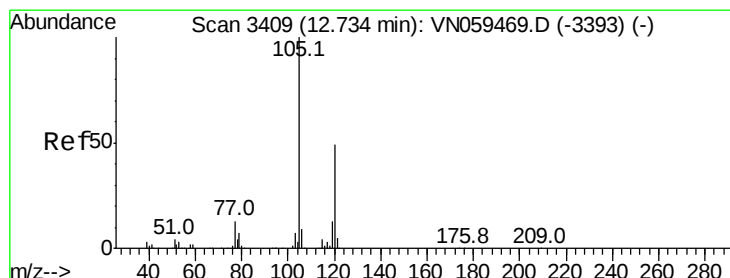
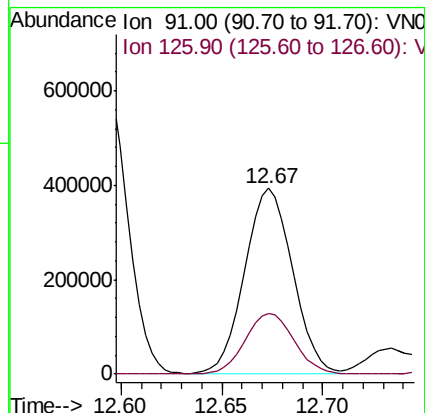
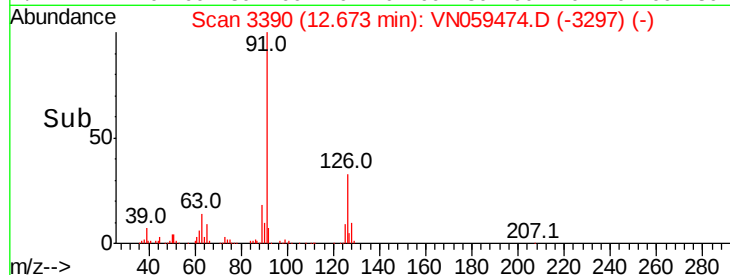
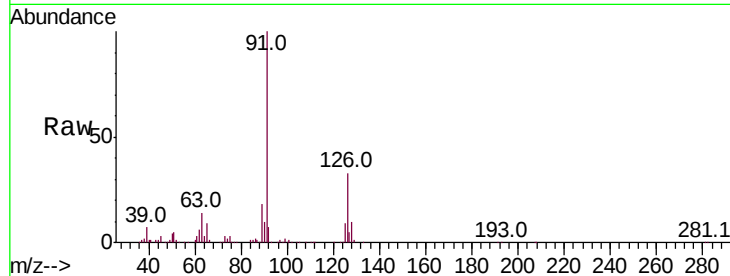
ICVFN120319

Tot Ion: 91 Resp: 653437

Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 49.839 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059474.D

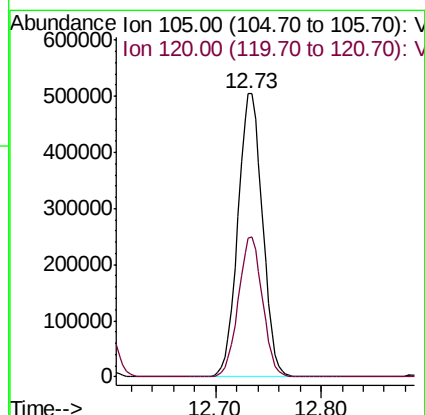
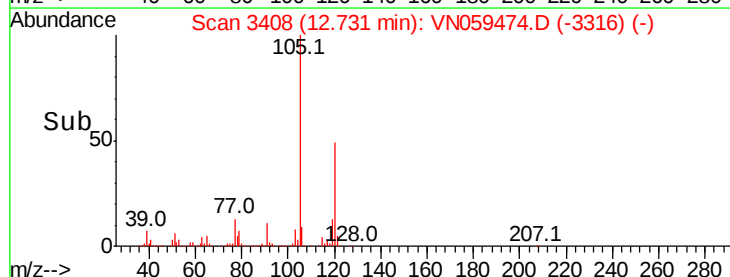
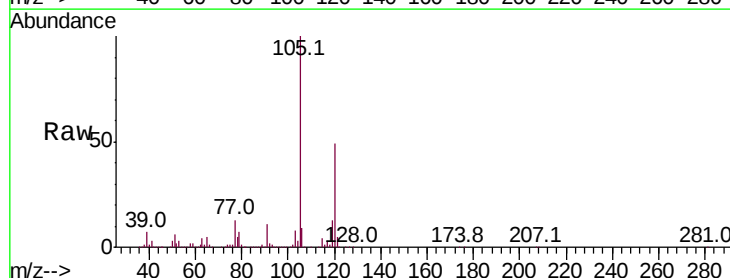
Acq: 3 Dec 2019 17:31

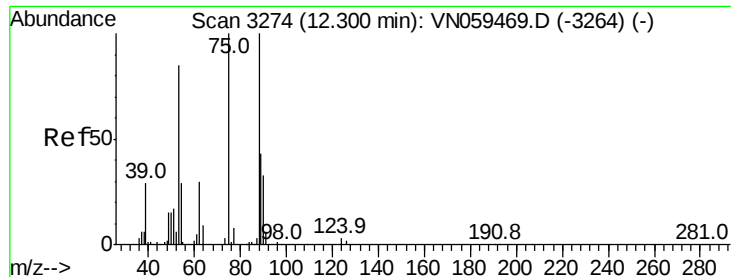
Tgt Ion: 105 Resp: 811506

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.059 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

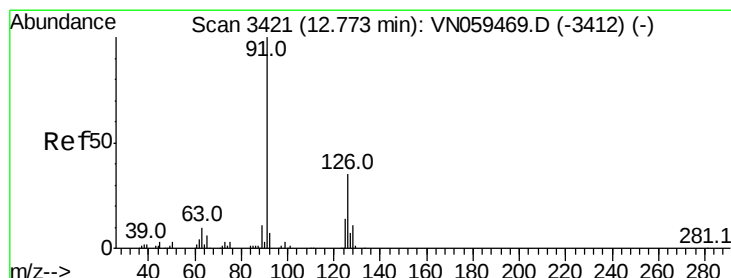
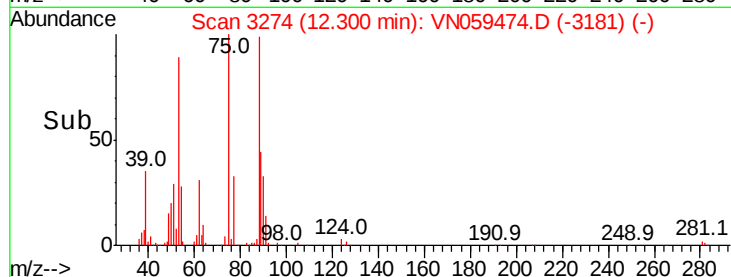
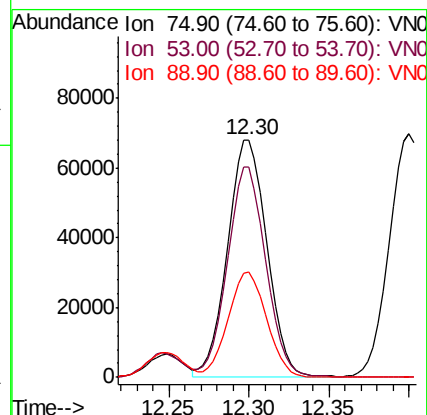
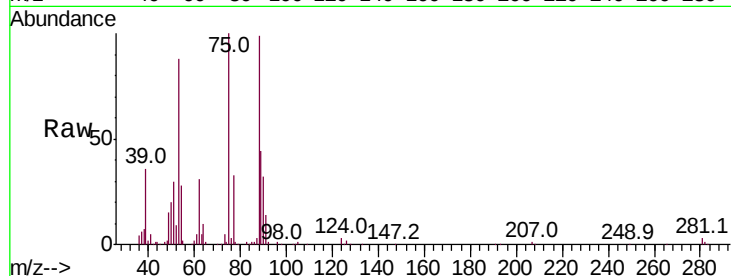
Tot Ion: 75 Resp: 112925

Ion Ratio Lower Upper

75 100

53 87.6 69.8 104.6

89 43.8 35.2 52.8



#82

4-Chlorotoluene

Concen: 48.372 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059474.D

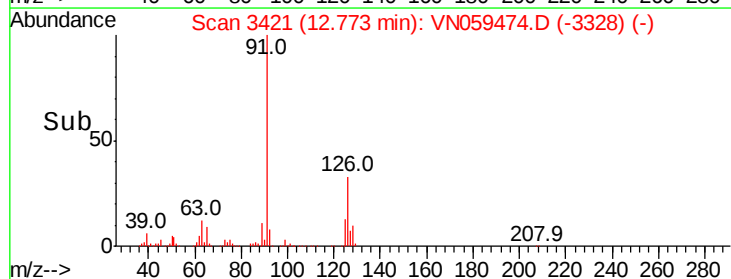
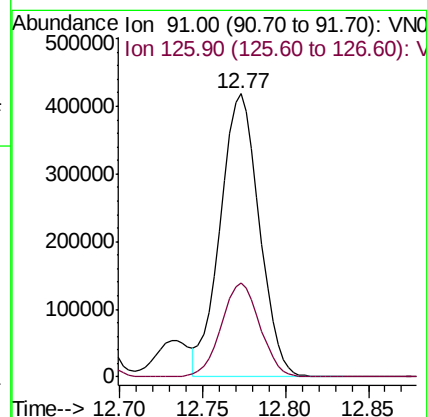
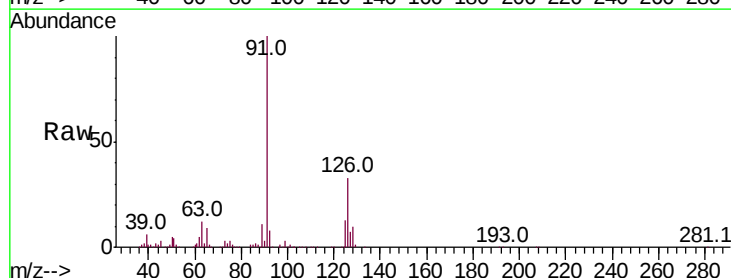
Acq: 3 Dec 2019 17:31

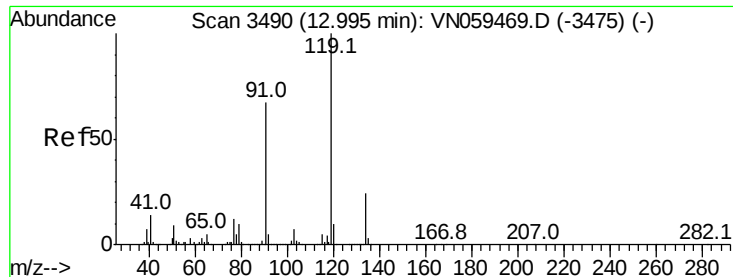
Tgt Ion: 91 Resp: 682150

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.2





#83

tert-Butylbenzene

Concen: 48.775 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

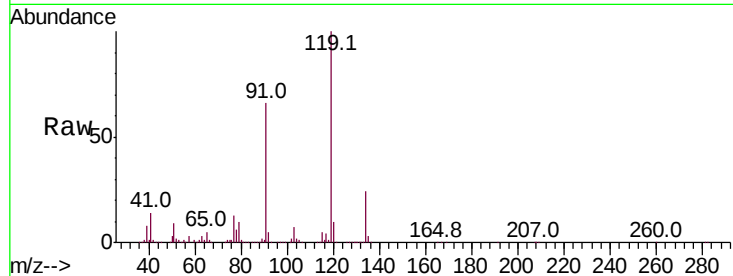
Tot Ion:119 Resp: 689493

Ion Ratio Lower Upper

119 100

91 64.6 32.6 97.7

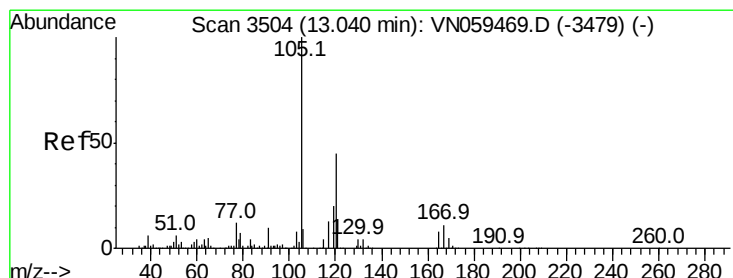
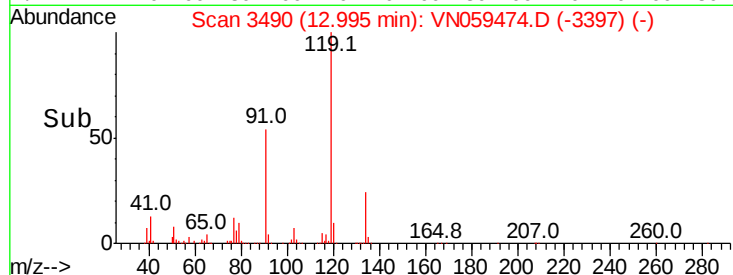
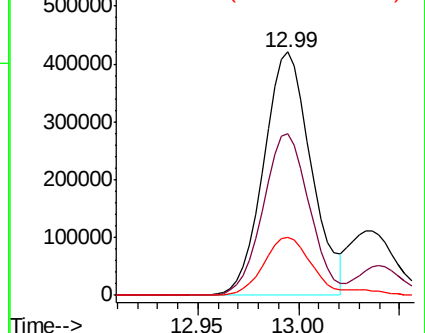
134 25.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.064 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059474.D

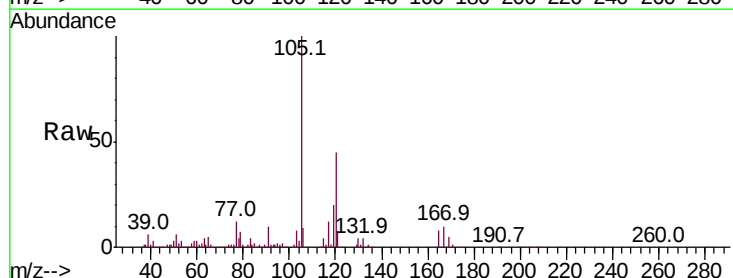
Acq: 3 Dec 2019 17:31

Tgt Ion:105 Resp: 812555

Ion Ratio Lower Upper

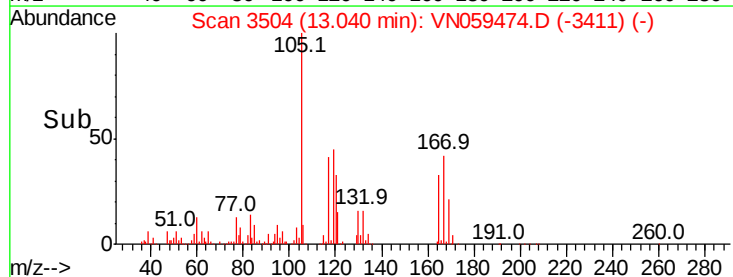
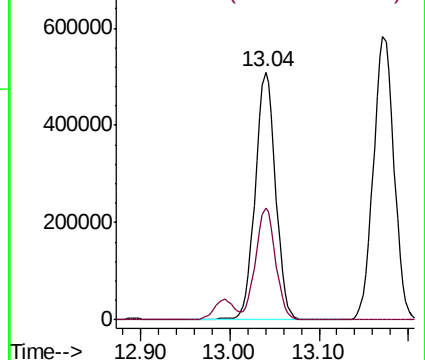
105 100

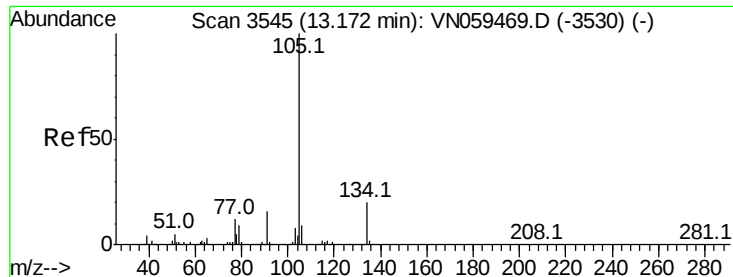
120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.593 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

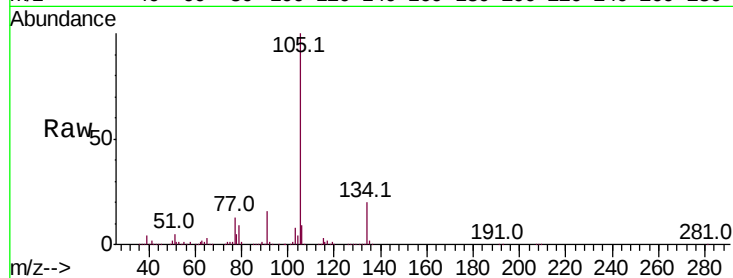
ICVFN120319

Tot Ion:105 Resp: 929140

Ion Ratio Lower Upper

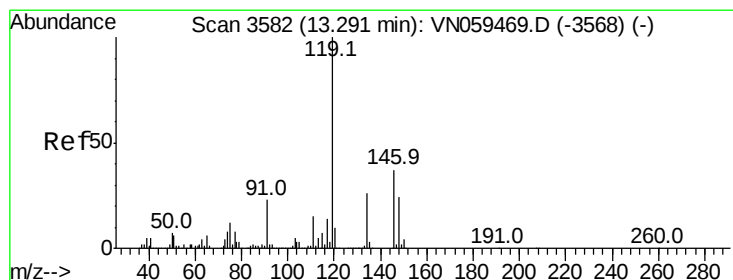
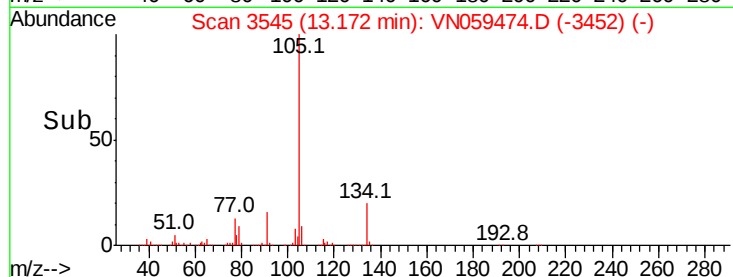
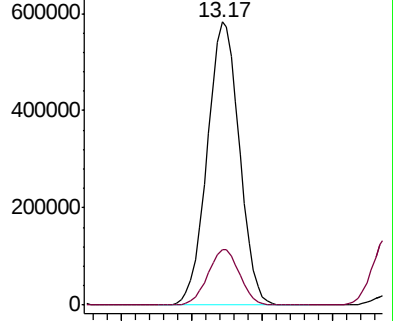
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.346 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

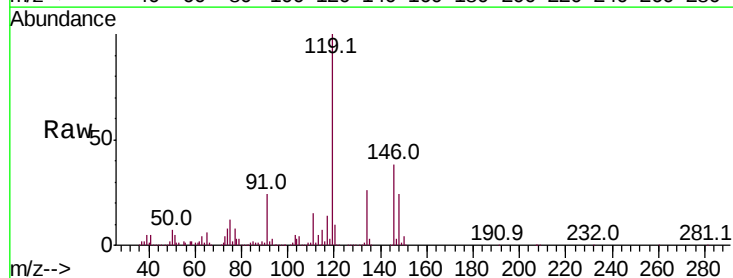
Tgt Ion:119 Resp: 845277

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

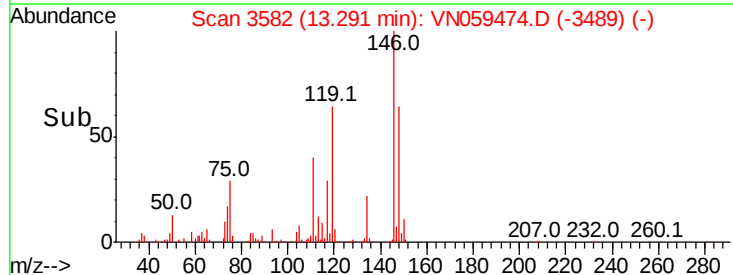
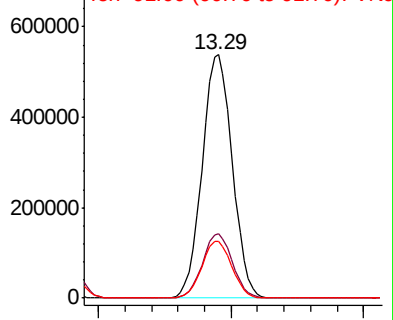
91 23.3 11.7 35.1

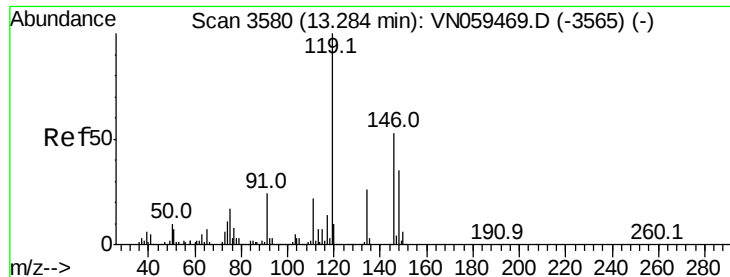


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.499 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

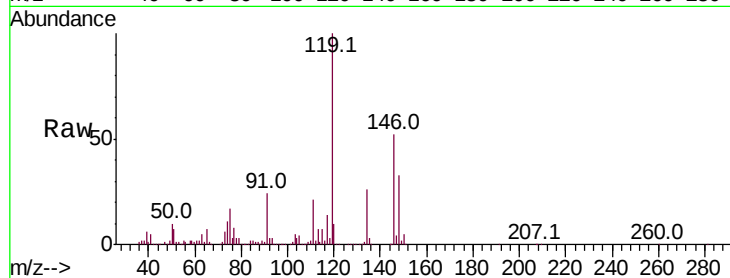
Tot Ion:146 Resp: 416337

Ion Ratio Lower Upper

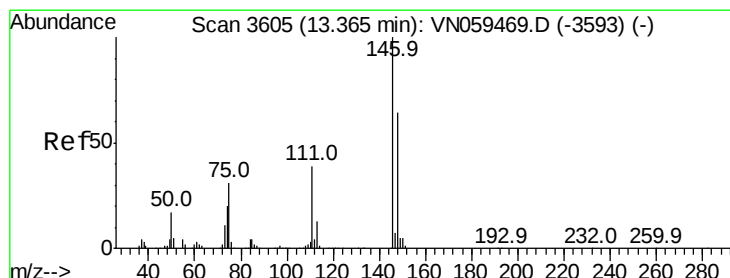
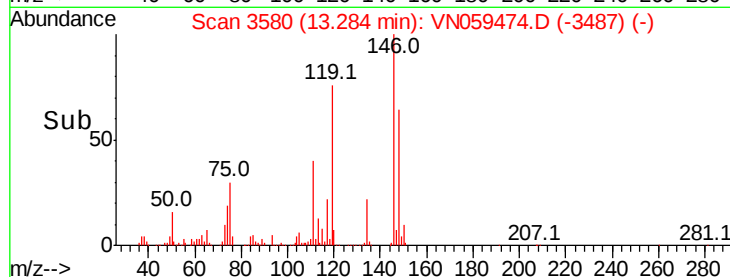
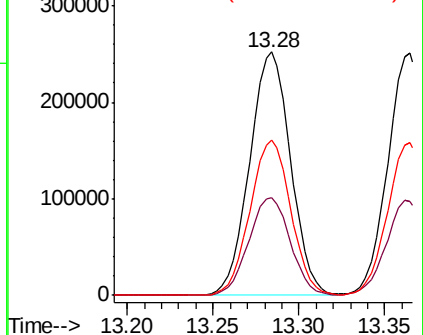
146 100

111 40.5 20.4 61.3

148 63.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.801 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

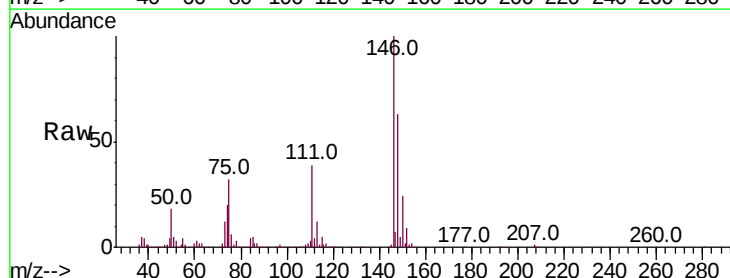
Tgt Ion:146 Resp: 413846

Ion Ratio Lower Upper

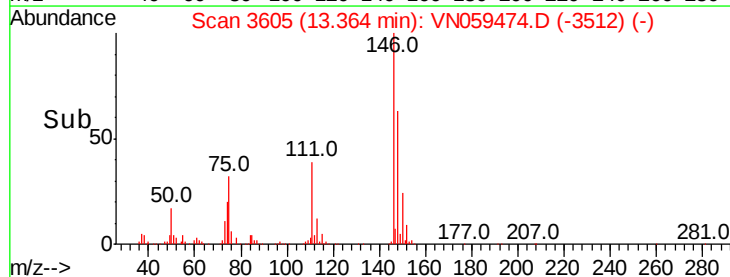
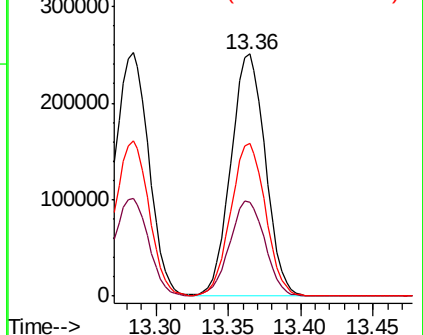
146 100

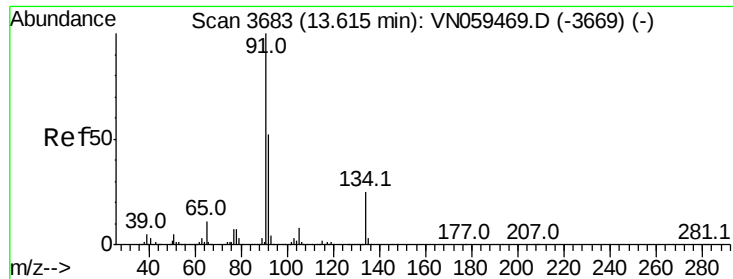
111 40.0 19.8 59.3

148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.343 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVFN120319

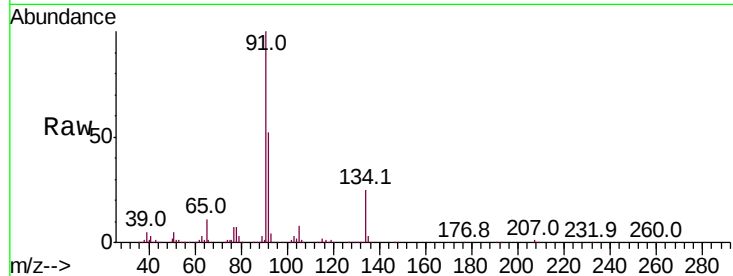
Tot Ion: 91 Resp: 742222

Ion Ratio Lower Upper

91 100

92 52.4 25.9 77.8

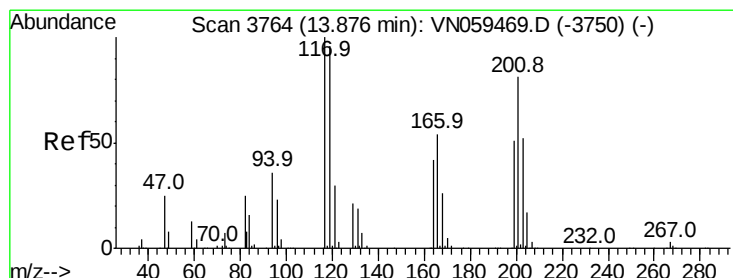
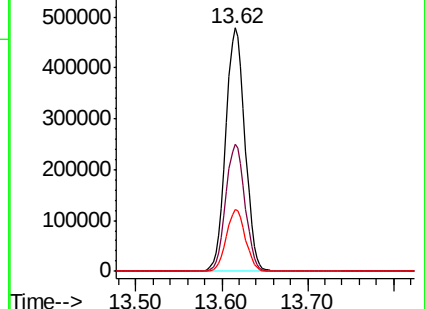
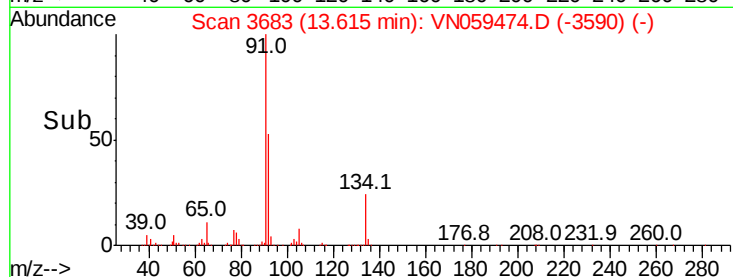
134 25.2 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN059474.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059474.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059474.D (-3669) (-)



#90

Hexachloroethane

Concen: 47.186 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059474.D

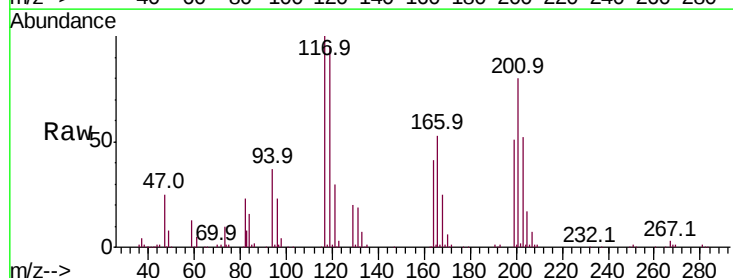
Acq: 3 Dec 2019 17:31

Tgt Ion: 117 Resp: 152793

Ion Ratio Lower Upper

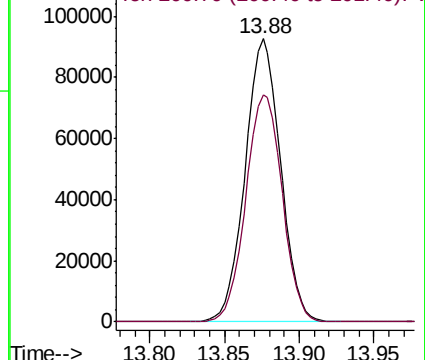
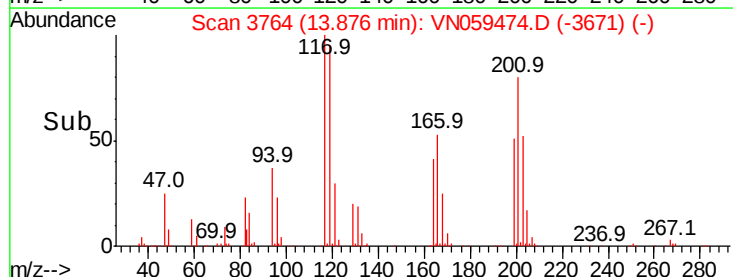
117 100

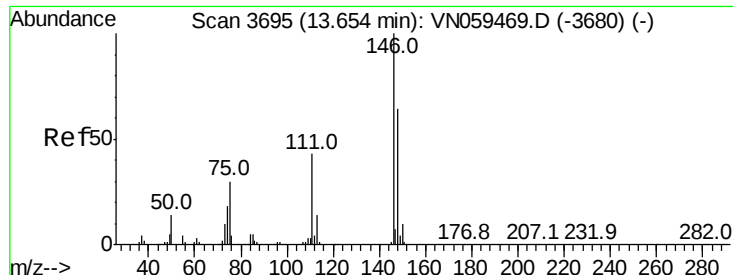
201 82.4 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): VN059474.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059474.D (-3750) (-)

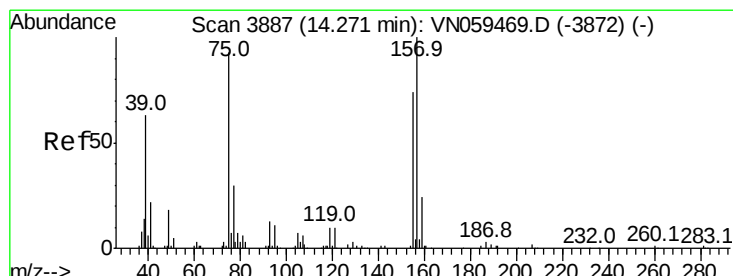
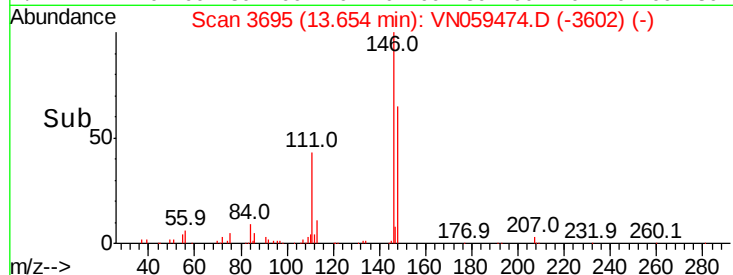
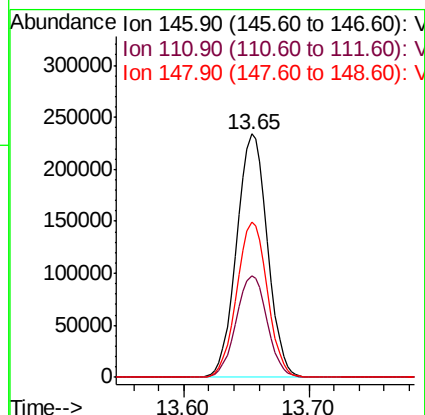
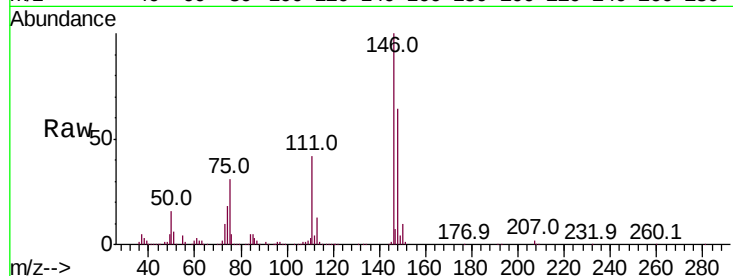




#91
 1,2-Dichlorobenzene
 Concen: 48.553 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

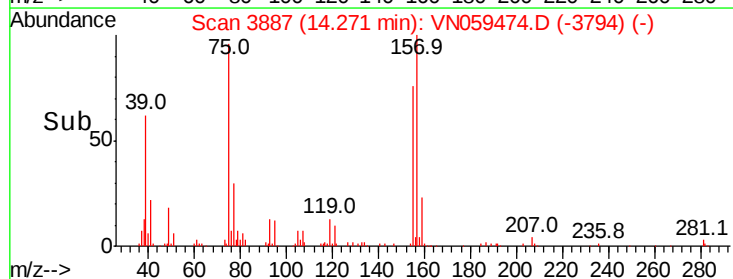
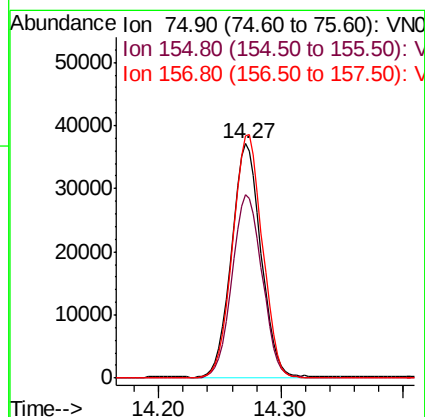
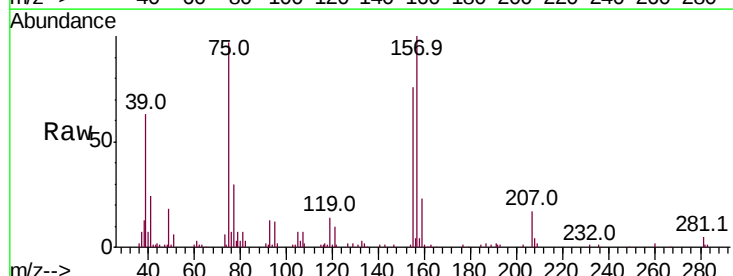
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVN120319

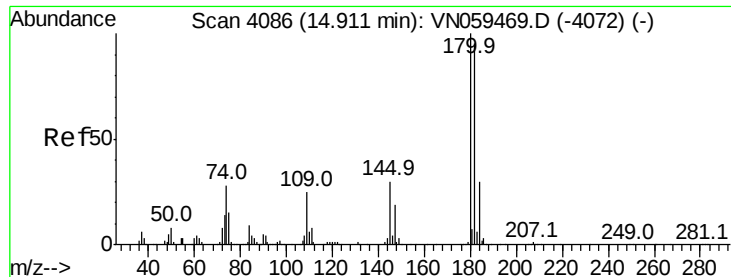
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.7
148	63.7	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.258 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.6	122.0
157	105.2	52.9	158.7

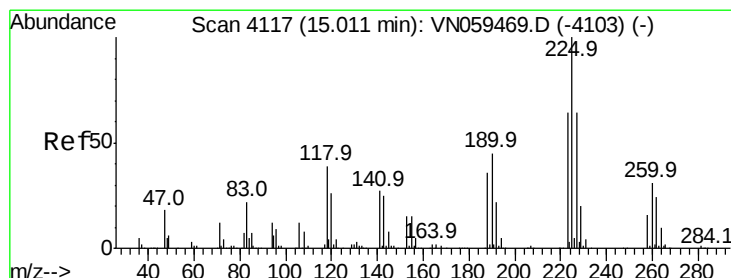
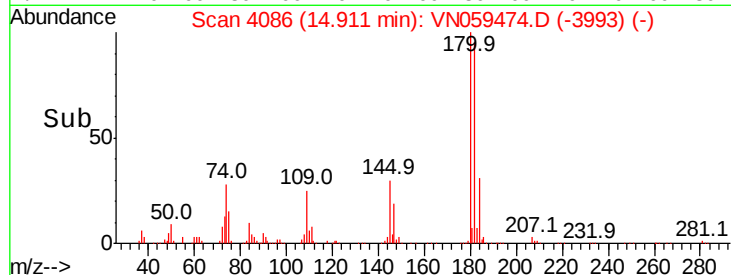
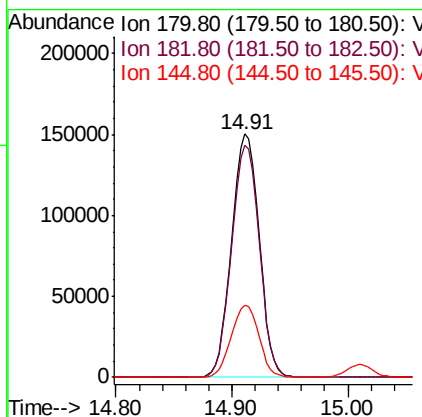
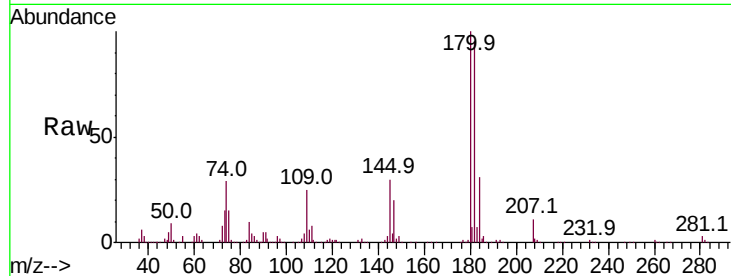




#93
 1,2,4-Trichlorobenzene
 Concen: 49.292 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

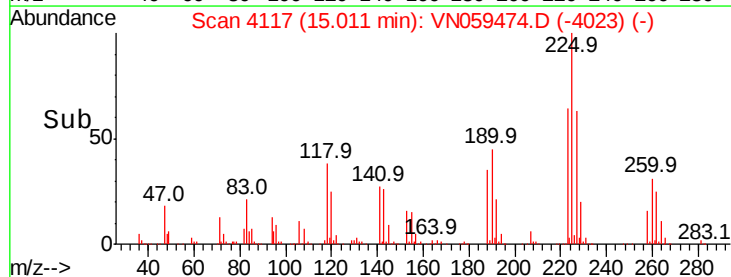
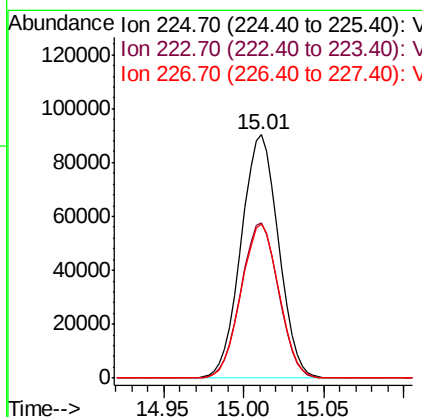
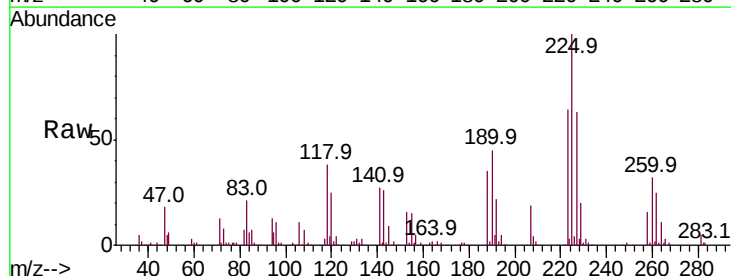
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVN120319

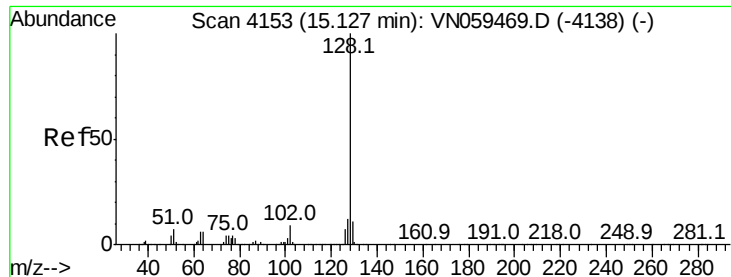
Tot Ion:180 Resp: 247640
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 29.7 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 50.837 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059474.D
 Acq: 3 Dec 2019 17:31

Tgt Ion:225 Resp: 144403
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.9 95.5
 227 63.9 32.0 96.2





#95

Naphthalene

Concen: 46.925 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

Instrument :

MSVOA_U

ClientSampleId :

ICVVN120319

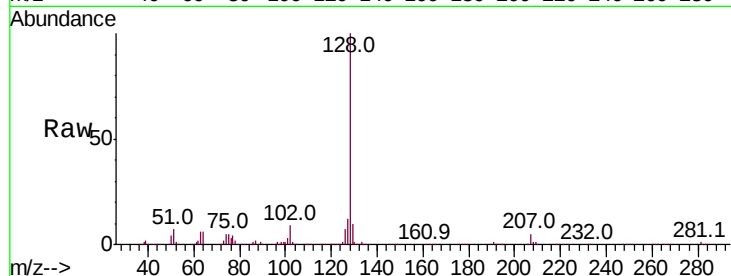
Tot Ion:128 Resp: 647321

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

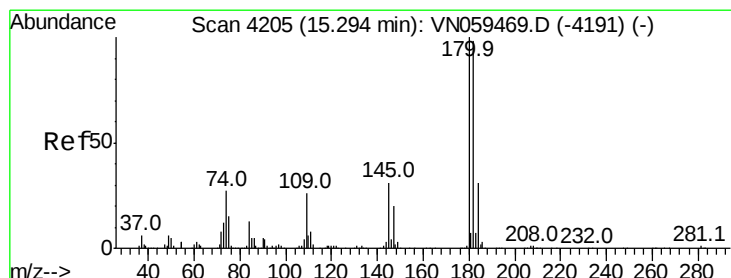
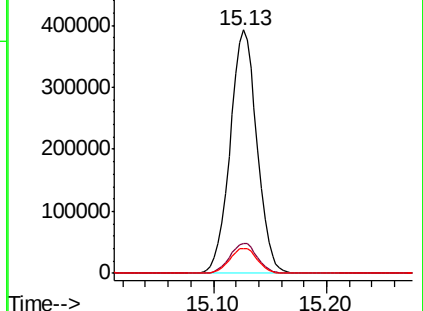
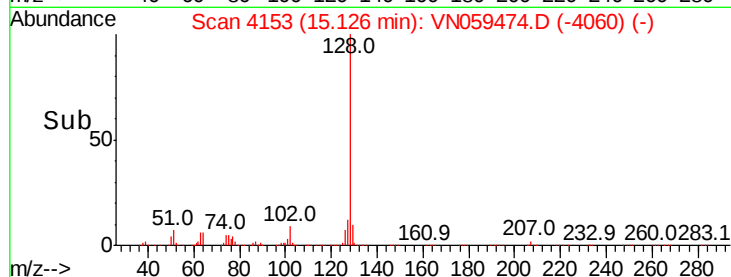
129 10.6 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 49.176 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059474.D

Acq: 3 Dec 2019 17:31

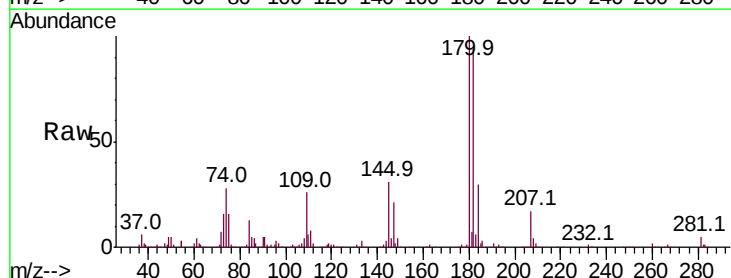
Tgt Ion:180 Resp: 248015

Ion Ratio Lower Upper

180 100

182 94.7 48.5 145.5

145 31.4 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

