

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052468.D
 Acq On : 27 Nov 2018 9:39
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:23 AM

Quant Time: Nov 28 00:55:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 00:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1037136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1628884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1408781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	578213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	55603	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
35) Dibromofluoromethane	7.59	113	49915	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
50) Toluene-d8	10.09	98	190682	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
62) 4-Bromofluorobenzene	12.40	95	60890	4.64	ug/l	0.00
Spiked Amount			Recovery	=	9.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	50465	5.197	ug/l	98
3) Chloromethane	2.06	50	64959	5.068	ug/l	97
4) Vinyl Chloride	2.19	62	66156	5.024	ug/l	98
5) Bromomethane	2.57	94	44898	5.465	ug/l	98
6) Chloroethane	2.71	64	41390	5.189	ug/l	94
7) Trichlorofluoromethane	3.02	101	83597	5.168	ug/l	94
8) Diethyl Ether	3.41	74	29876	5.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52504	5.202	ug/l	98
10) Methyl Iodide	3.95	142	53431	3.975	ug/l	99
11) Tert butyl alcohol	4.77	59	13613	24.080	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	50027	5.149	ug/l	95
13) Acrolein	3.61	56	23301	26.200	ug/l	98
14) Allyl chloride	4.33	41	82909	4.951	ug/l	99
15) Acrylonitrile	4.99	53	86898	24.282	ug/l	99
16) Acetone	3.82	43	73070	24.532	ug/l	99
17) Carbon Disulfide	4.06	76	151300	4.949	ug/l	99
18) Methyl Acetate	4.33	43	40849	4.781	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	125776	4.866	ug/l	97
20) Methylene Chloride	4.55	84	58993	5.061	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	53356	5.142	ug/l	94
22) Diisopropyl ether	5.95	45	173877	4.944	ug/l	96
23) Vinyl Acetate	5.90	43	510900	23.321	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101455	5.052	ug/l	99
25) 2-Butanone	6.84	43	103386	24.489	ug/l	99
26) 2,2-Dichloropropane	6.83	77	66834	4.808	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59465	4.920	ug/l	99
28) Bromochloromethane	7.19	49	46024	5.018	ug/l	99
29) Tetrahydrofuran	7.21	42	65197	23.943	ug/l	99
30) Chloroform	7.37	83	100704	5.026	ug/l	99
31) Cyclohexane	7.65	56	110275	4.908	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	78428	4.941	ug/l	100
36) 1,1-Dichloropropene	7.79	75	75897	4.934	ug/l	99
37) Ethyl Acetate	6.93	43	45362	4.832	ug/l	99
38) Carbon Tetrachloride	7.77	117	69109	4.963	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	90461	4.838	ug/l	98
40) Benzene	8.04	78	229515	5.007	ug/l	97
41) Methacrylonitrile	7.17	41	24288	4.732	ug/l	93
42) 1,2-Dichloroethane	8.12	62	67381	4.854	ug/l	97
43) Isopropyl Acetate	8.16	43	73374	4.619	ug/l #	86
44) Trichloroethene	8.84	130	57968	4.937	ug/l	99
45) 1,2-Dichloropropane	9.12	63	60938	5.000	ug/l	97
46) Dibromomethane	9.21	93	33307	4.937	ug/l	99
47) Bromodichloromethane	9.40	83	70987	4.839	ug/l	98
48) Methyl methacrylate	9.20	41	36883	4.452	ug/l	99
49) 1,4-Dioxane	9.20	88	9156	106.502	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	213170	23.916	ug/l	98
52) Toluene	10.16	92	133441	4.899	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	63539	4.503	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	78940	4.668	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	48058	5.016	ug/l	97
56) Ethyl methacrylate	10.43	69	52714	4.471	ug/l	98
57) 1,3-Dichloropropane	10.71	76	84548	4.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	159681	22.970	ug/l	99
59) 2-Hexanone	10.75	43	139522	23.323	ug/l	99
60) Dibromochloromethane	10.90	129	49228	4.731	ug/l	100
61) 1,2-Dibromoethane	11.00	107	46509	4.888	ug/l	96
64) Tetrachloroethene	10.63	164	56540	5.176	ug/l	98
65) Chlorobenzene	11.43	112	145260	5.001	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	49990	4.949	ug/l	99
67) Ethyl Benzene	11.51	91	250929	4.933	ug/l	97
68) m/p-Xylenes	11.62	106	182585	9.641	ug/l	98
69) o-Xylene	11.95	106	88823	4.830	ug/l	97
70) Styrene	11.96	104	139396	4.759	ug/l	99
71) Bromoform	12.13	173	30737	4.596	ug/l #	100
73) Isopropylbenzene	12.25	105	236001	5.202	ug/l	99
74) N-amyl acetate	12.07	43	52700	4.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	54607	5.292	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	50584m	5.898	ug/l	
77) Bromobenzene	12.53	156	58694	5.235	ug/l	98
78) n-propylbenzene	12.59	91	263153	5.106	ug/l	100
79) 2-Chlorotoluene	12.68	91	160732	5.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	185394	5.124	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	12414	4.650	ug/l	93
82) 4-Chlorotoluene	12.77	91	160030	5.174	ug/l	99
83) tert-Butylbenzene	12.99	119	170784	5.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185399	5.113	ug/l	99
85) sec-Butylbenzene	13.17	105	227546	5.180	ug/l	99
86) p-Isopropyltoluene	13.29	119	185288	4.952	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	98804	5.037	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	96225	4.981	ug/l	95
89) n-Butylbenzene	13.62	91	147151	4.729	ug/l	99
90) Hexachloroethane	13.88	117	31873	5.031	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94356	5.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7044	4.773	ug/l	94

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ClientSampleId :
VSTDICC005

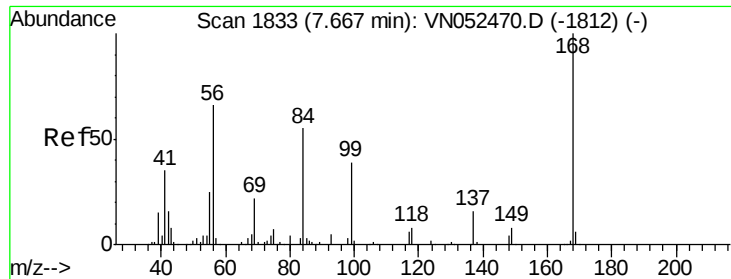
Manual Integrations
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11/28/2018 9:33:23 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
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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	35380	3.993	ug/l	97
94) Hexachlorobutadiene	15.01	225	31592	5.241	ug/l	98
95) Naphthalene	15.14	128	67861	3.710	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	33193	4.011	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 1037136

Ion Ratio Lower Upper

168 100

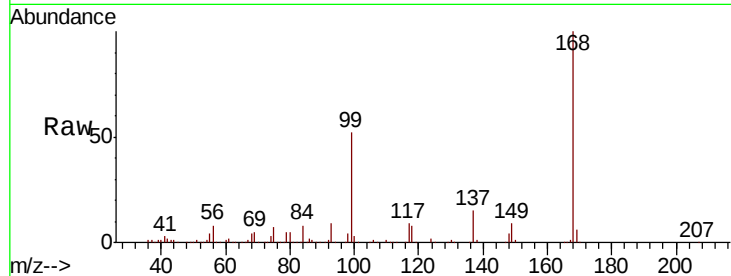
99 51.8 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

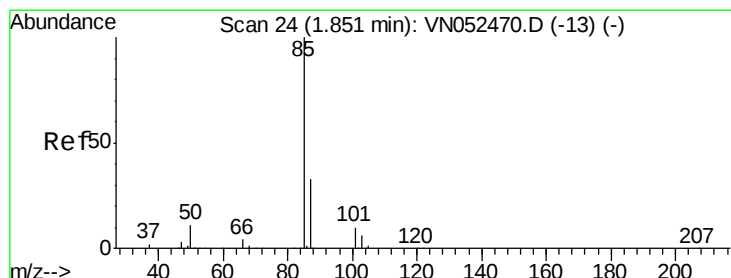
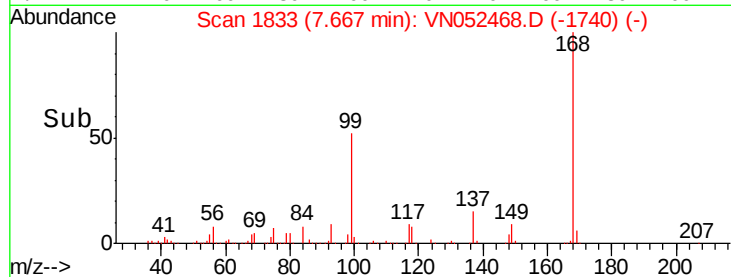
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.197 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052468.D

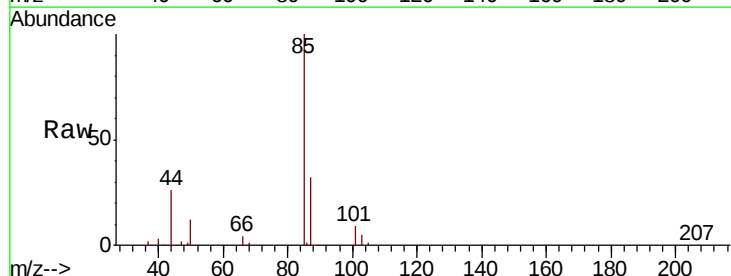
Acq: 27 Nov 2018 9:39

Tgt Ion: 85 Resp: 50465

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

30000

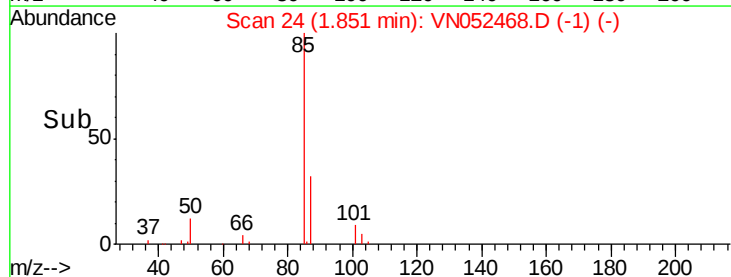
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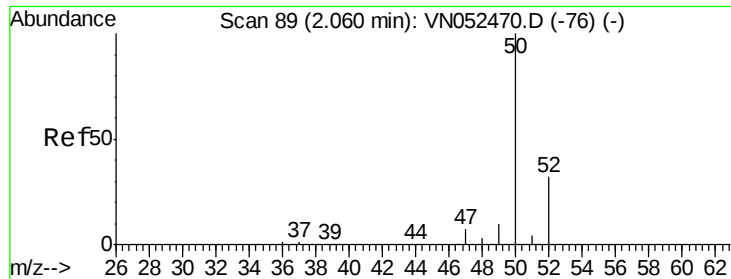
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0

1.80 1.85 1.90 1.95

Time-->





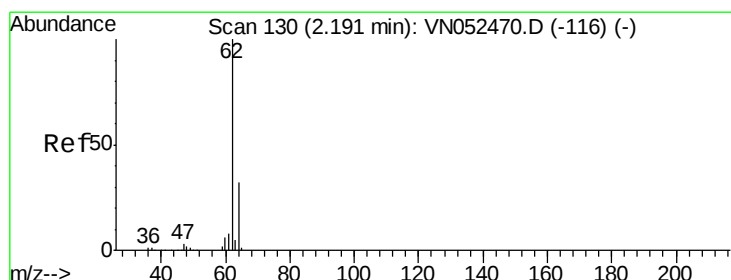
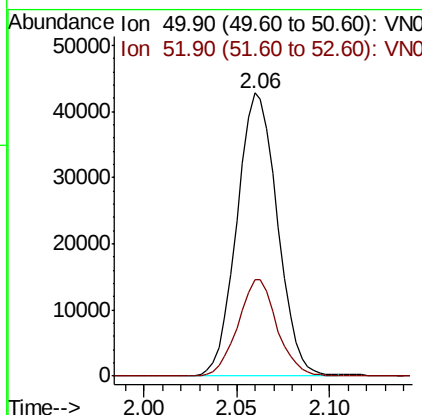
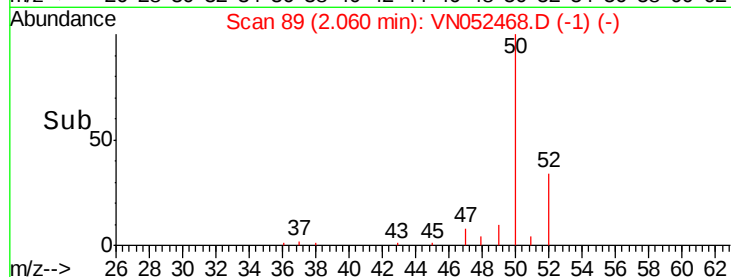
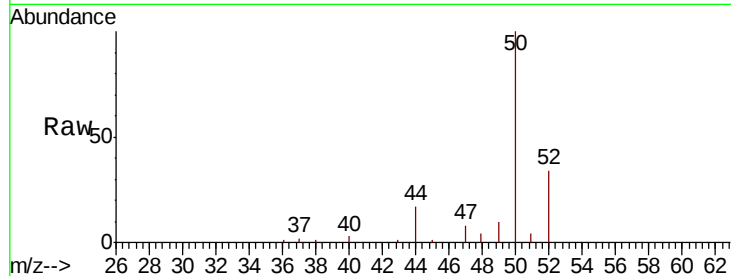
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 Chloromethane
 Concen: 5.068 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.9	38.9

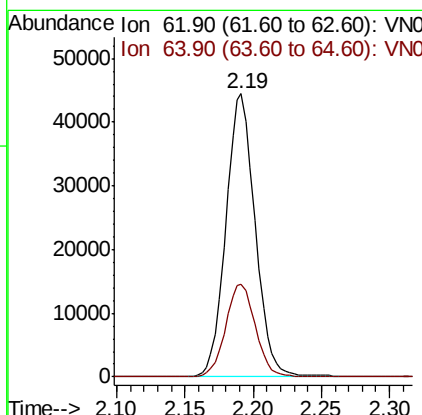
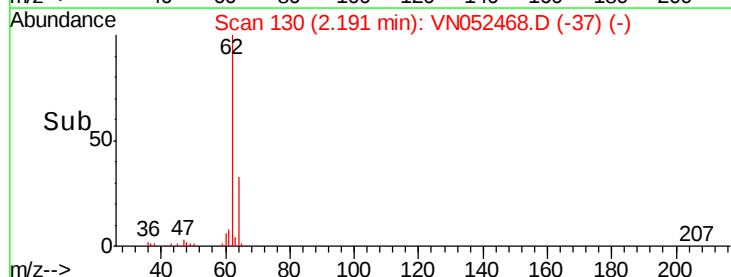
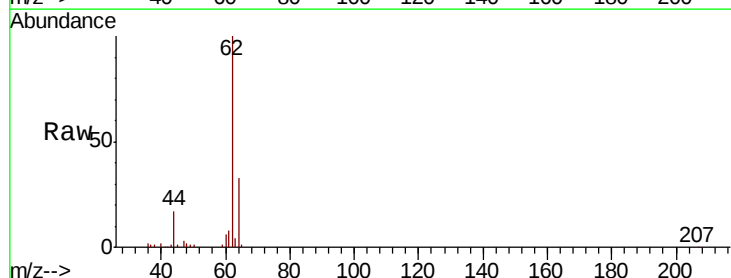
Manual Integrations
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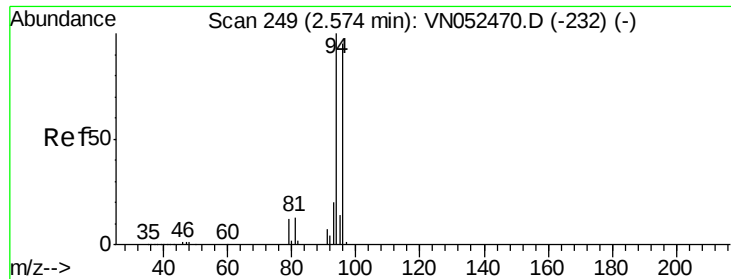
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#4
 Vinyl Chloride
 Concen: 5.024 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.4	38.2





#5

Bromomethane

Concen: 5.465 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 44898

Ion Ratio Lower Upper

94 100

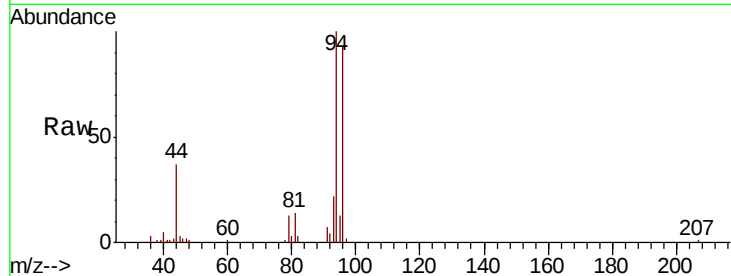
96 92.7 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

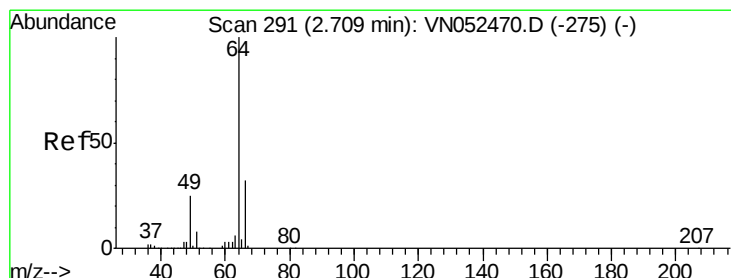
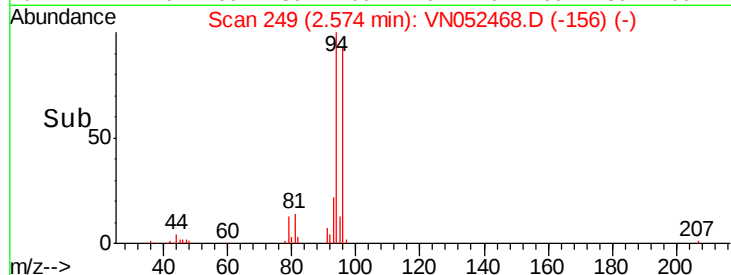
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.189 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052468.D

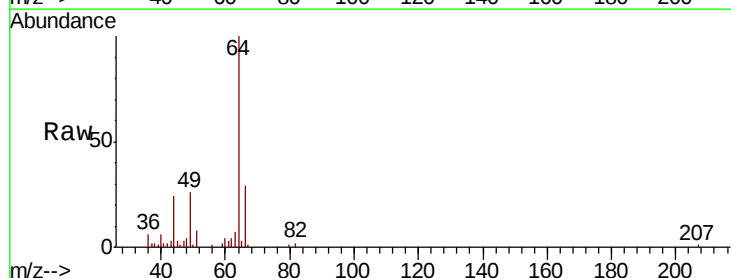
Acq: 27 Nov 2018 9:39

Tgt Ion: 64 Resp: 41390

Ion Ratio Lower Upper

64 100

66 28.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

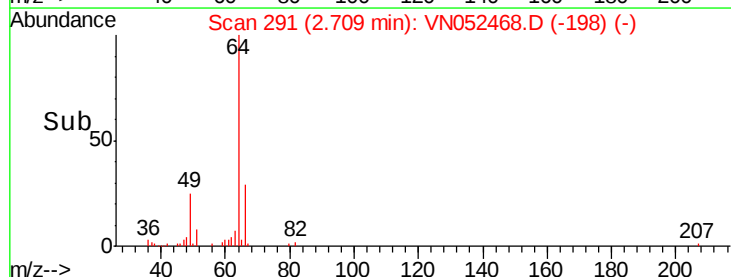
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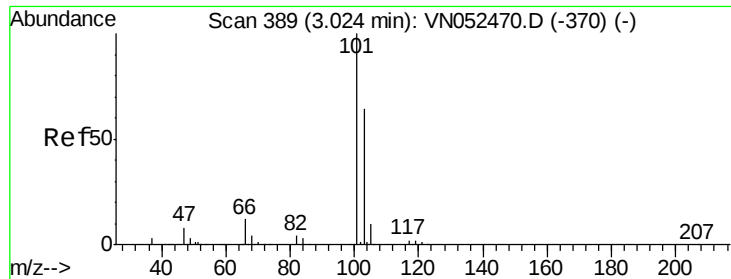
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5000

0

Time-->





#7

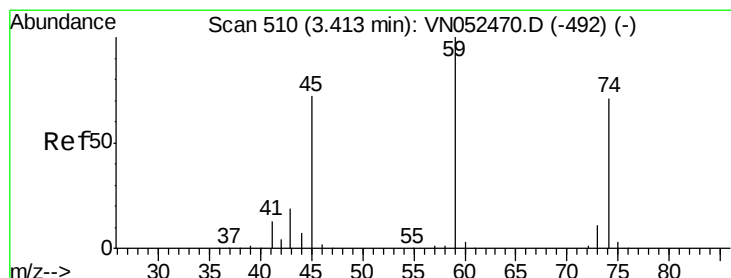
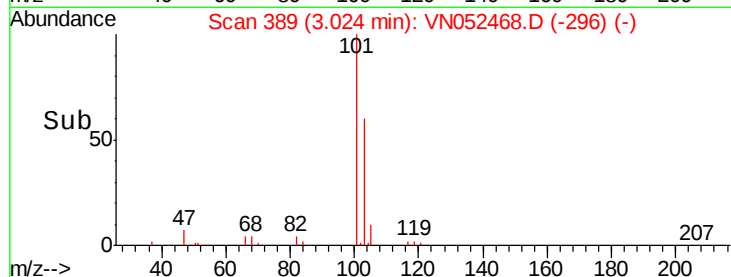
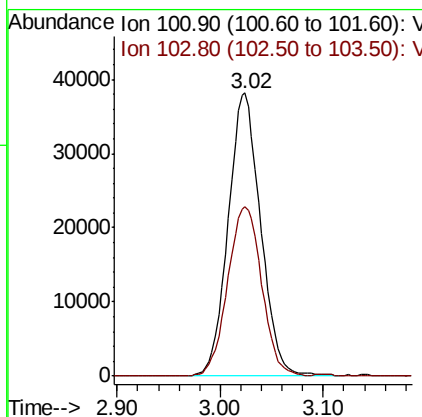
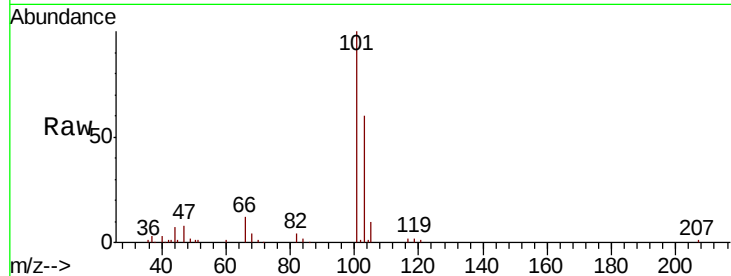
Trichlorofluoromethane
Concen: 5.168 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
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ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.4	77.2

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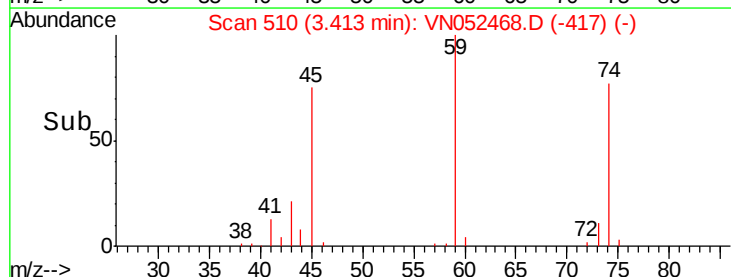
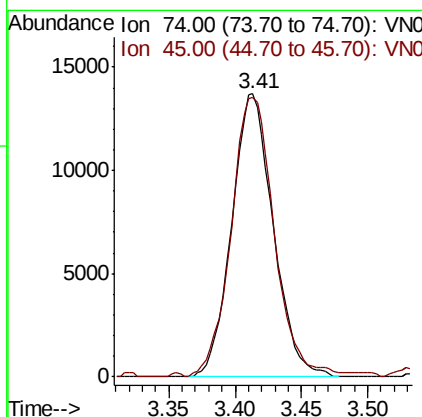
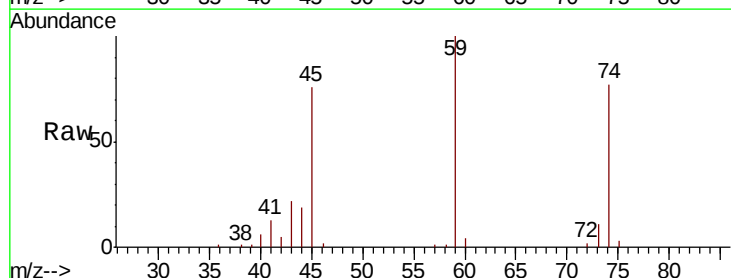
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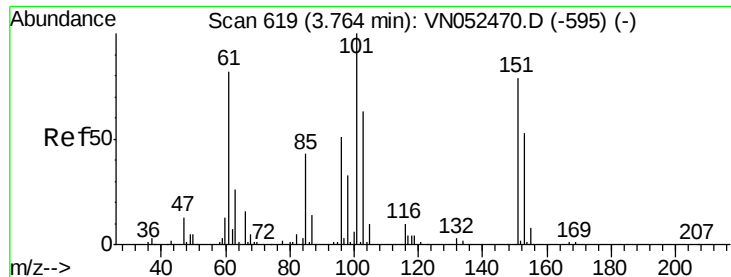


#8

Diethyl Ether
Concen: 5.002 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.202 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

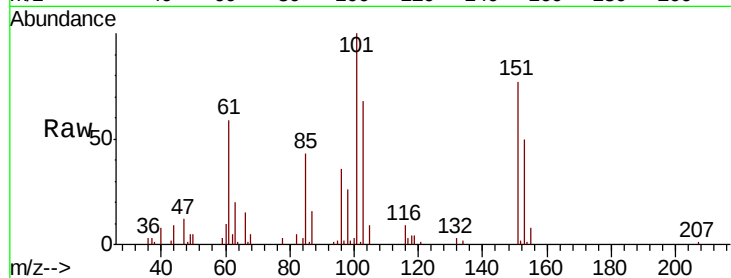
ClientSampleId :

VSTDIC005

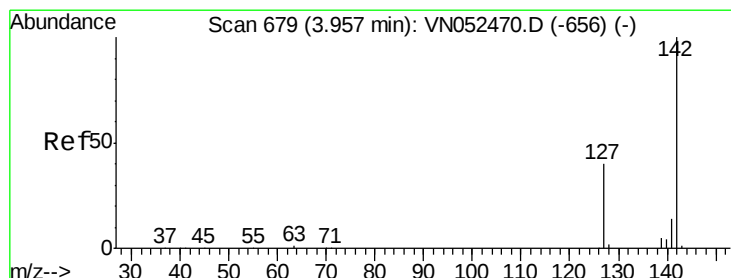
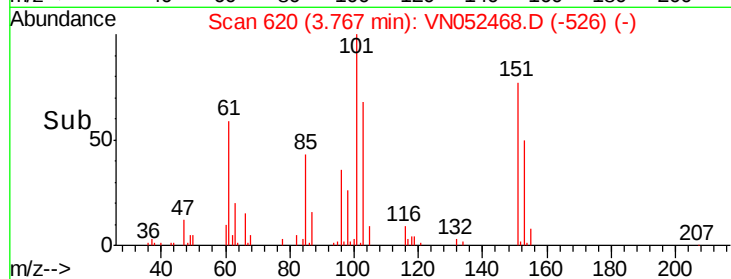
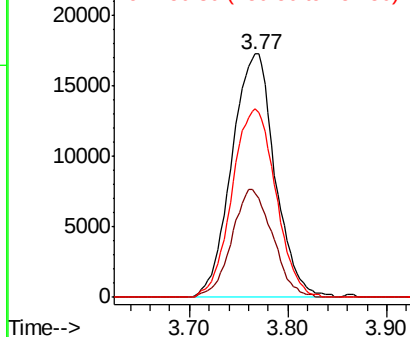
Tgt Ion:	101	Resp:	52504
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	78.2	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.975 ug/l

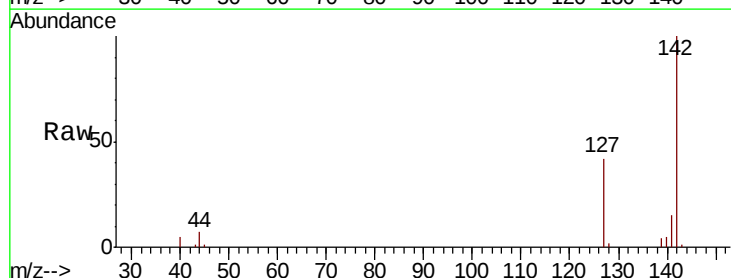
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

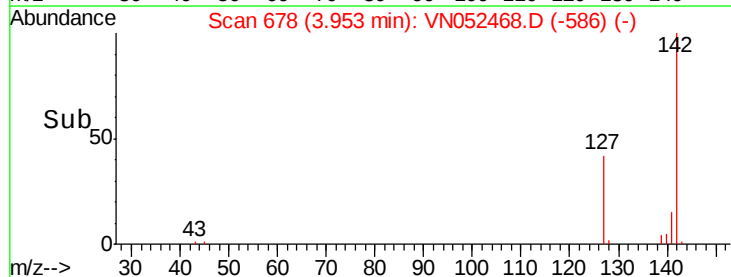
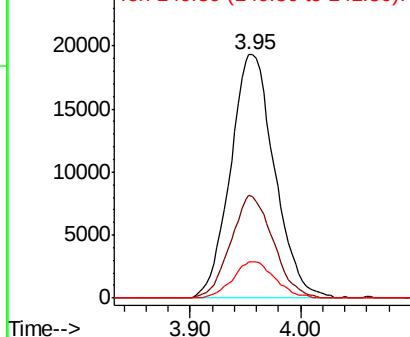
Lab File: VN052468.D

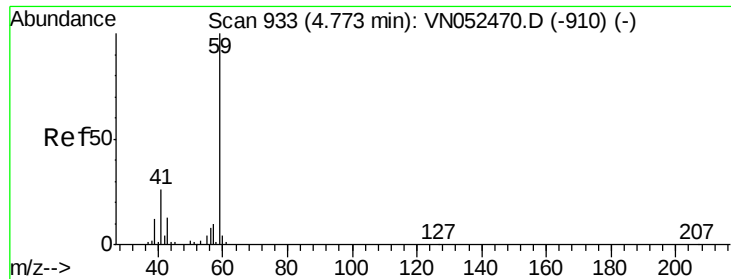
Acq: 27 Nov 2018 9:39

Tgt Ion:	142	Resp:	53431
Ion Ratio	Lower	Upper	
142	100		
127	40.6	31.8	47.6
141	14.4	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





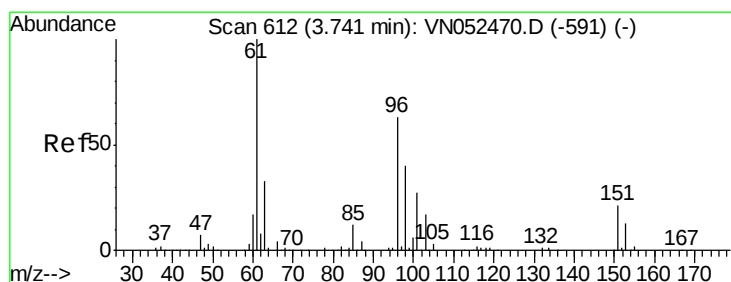
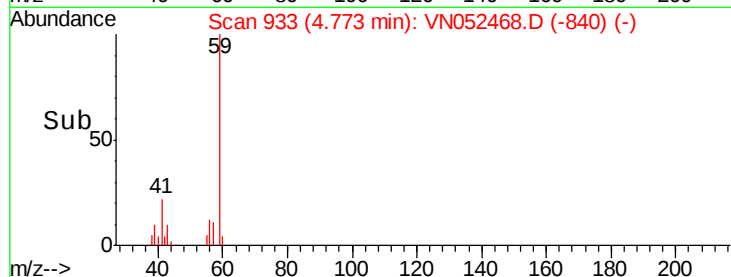
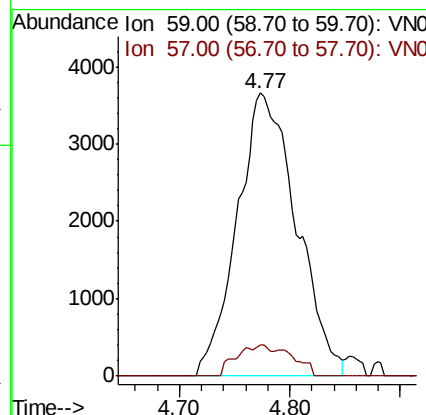
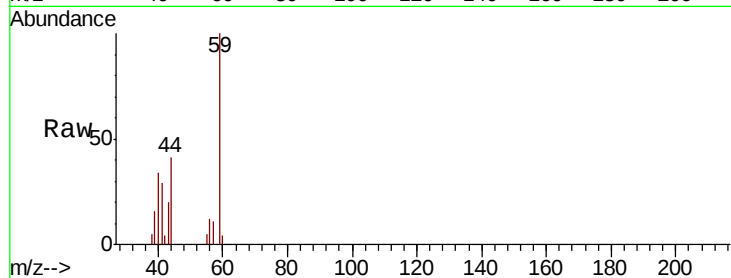
#11
Tert butyl alcohol
Concen: 24.080 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 13613
Ion Ratio Lower Upper
59 100
57 6.7 7.9 11.9#

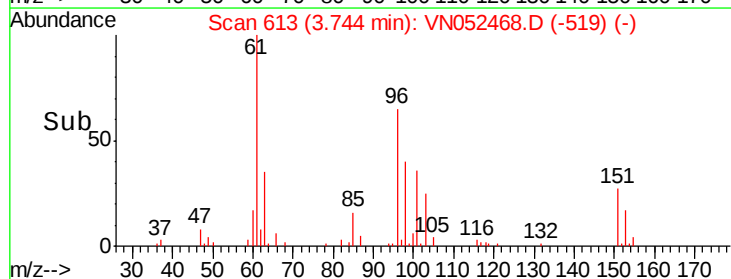
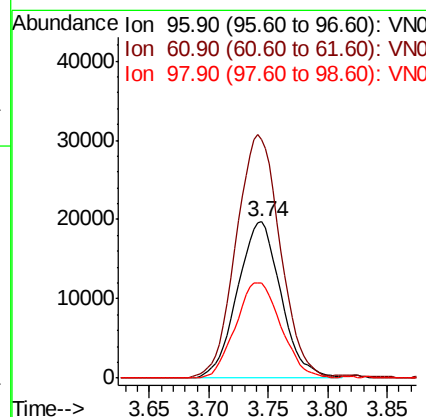
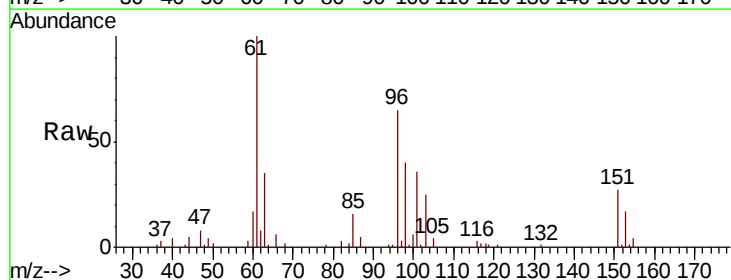
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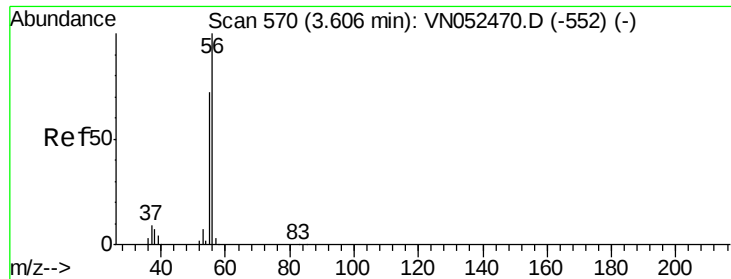
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.149 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 96 Resp: 50027
Ion Ratio Lower Upper
96 100
61 151.7 127.0 190.6
98 60.6 50.3 75.5





#13

Acrolein

Concen: 26.200 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 23301

Ion Ratio Lower Upper

56 100

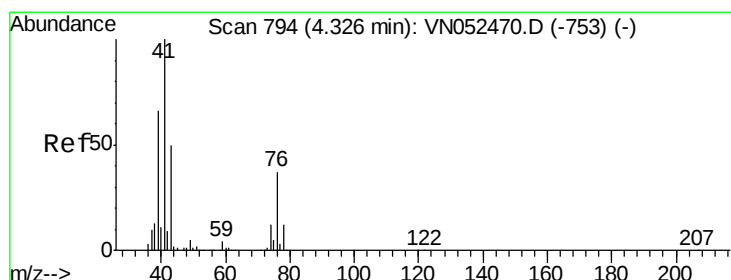
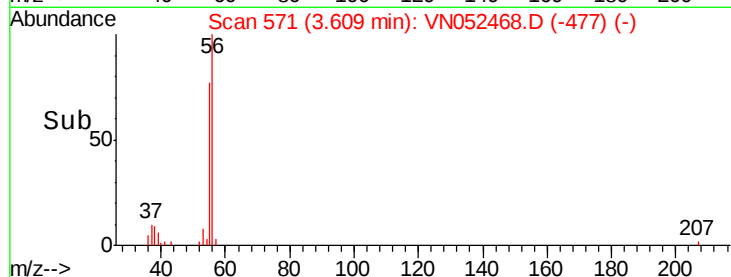
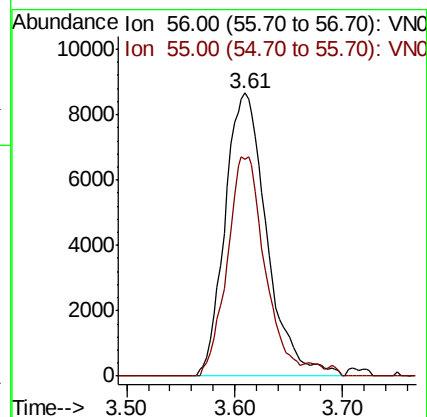
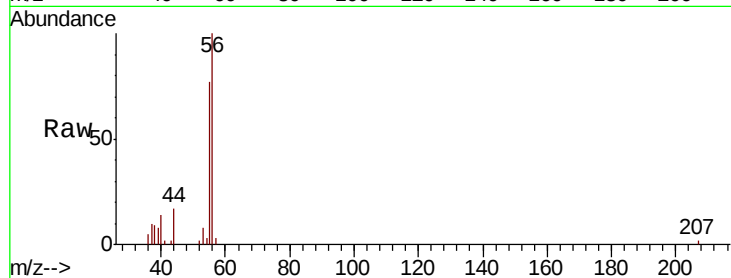
55 69.7 56.8 85.2

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#14

Allyl chloride

Concen: 4.951 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

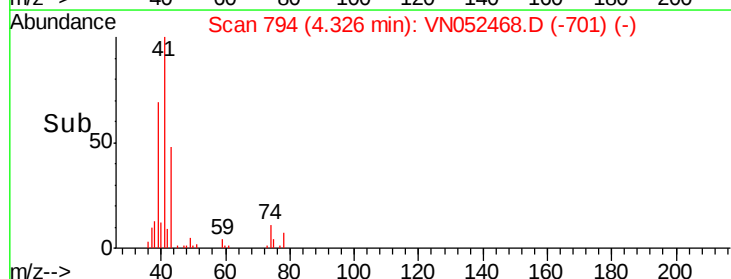
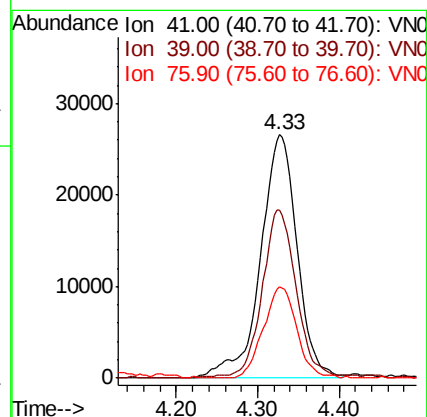
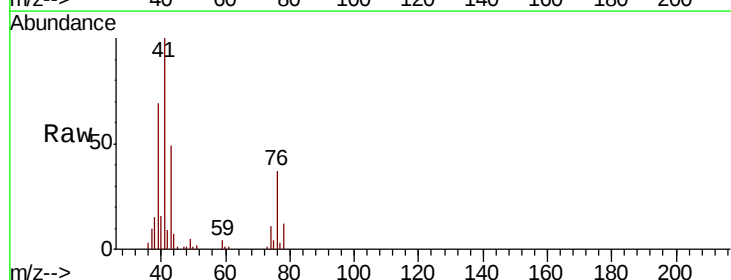
Tgt Ion: 41 Resp: 82909

Ion Ratio Lower Upper

41 100

39 64.7 50.6 76.0

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 24.282 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

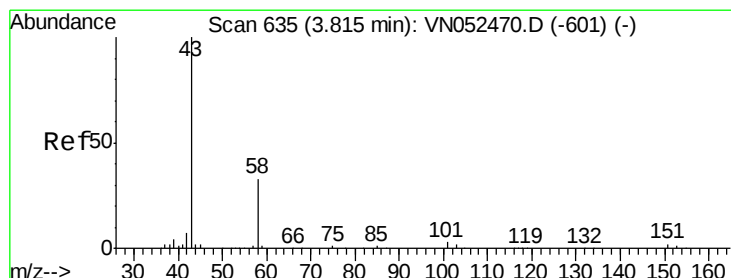
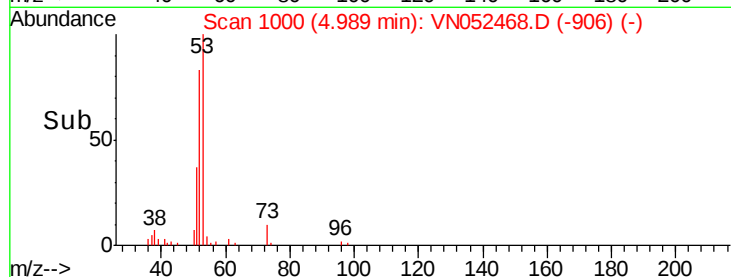
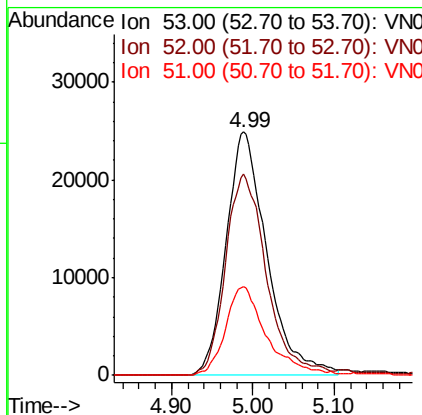
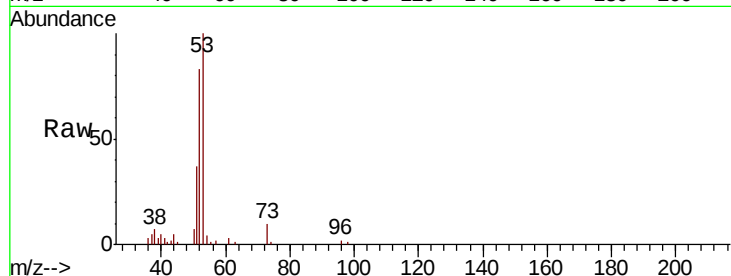
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	86898
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.4	28.1	42.1

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#16

Acetone

Concen: 24.532 ug/l

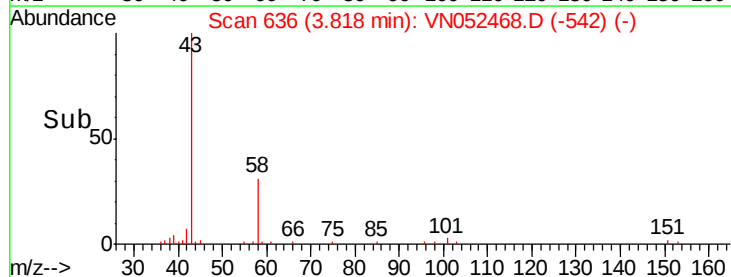
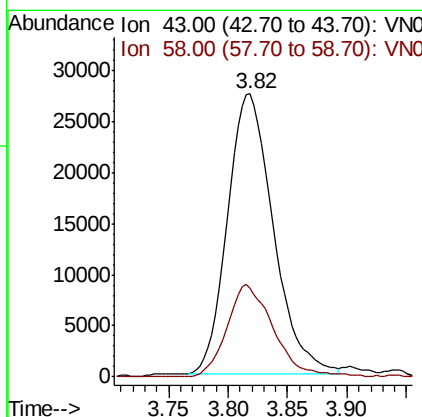
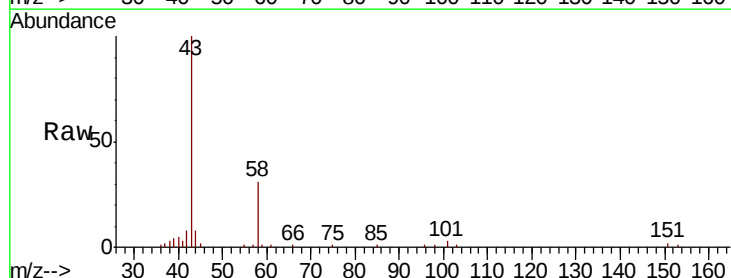
RT: 3.82 min Scan# 636

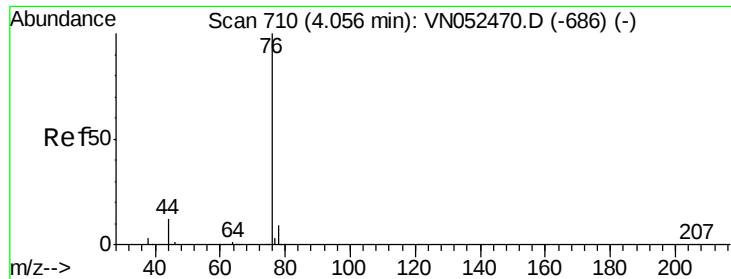
Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	43	Resp:	73070
Ion	Ratio	Lower	Upper
43	100		
58	31.7	26.0	39.0





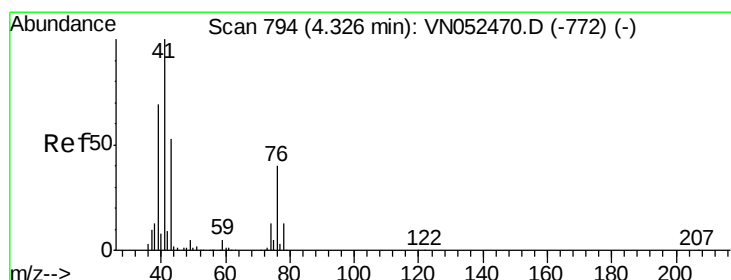
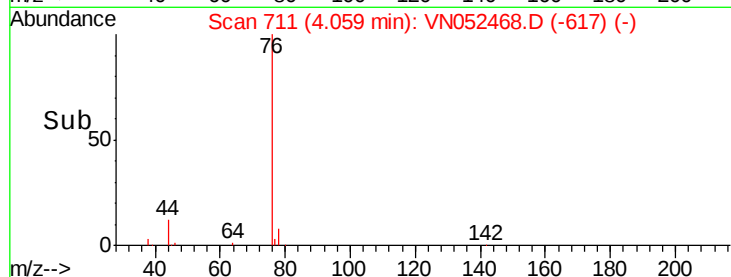
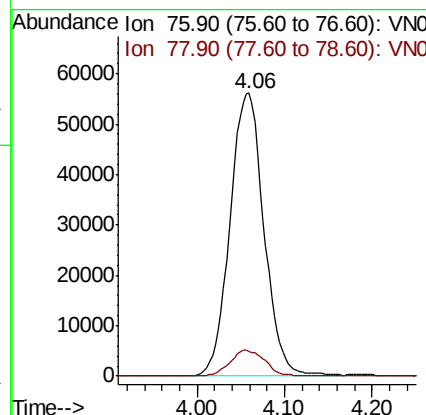
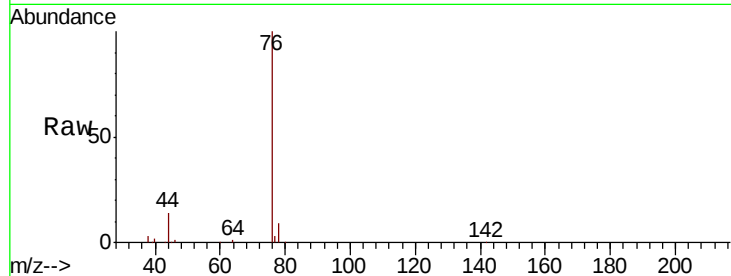
#17
Carbon Disulfide
Concen: 4.949 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

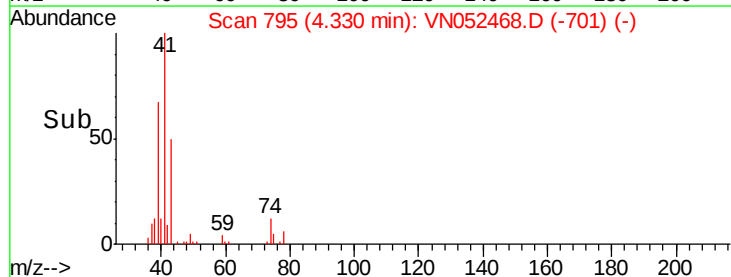
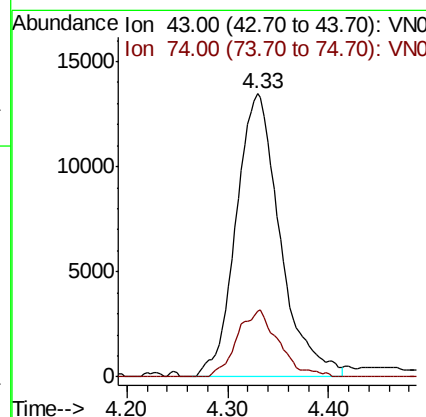
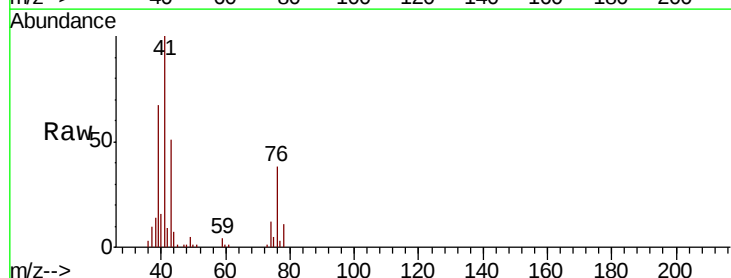
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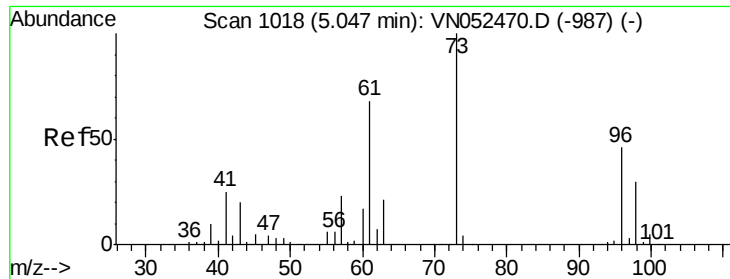
MMDadoda
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#18
Methyl Acetate
Concen: 4.781 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.6	27.8





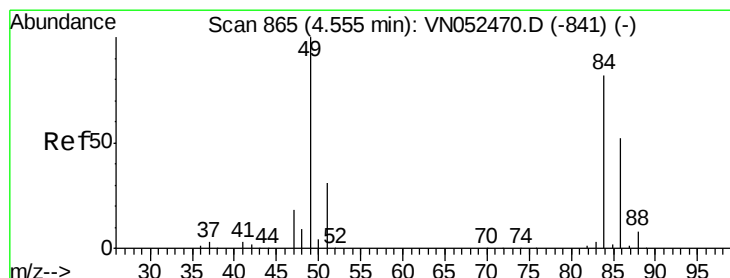
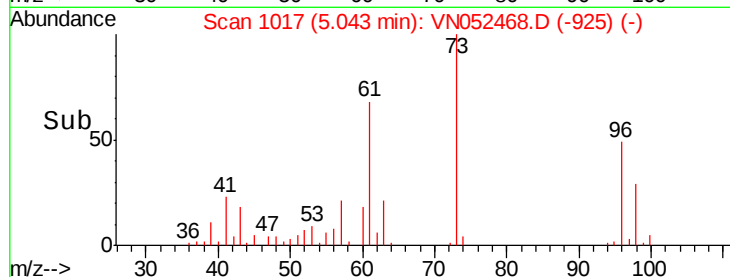
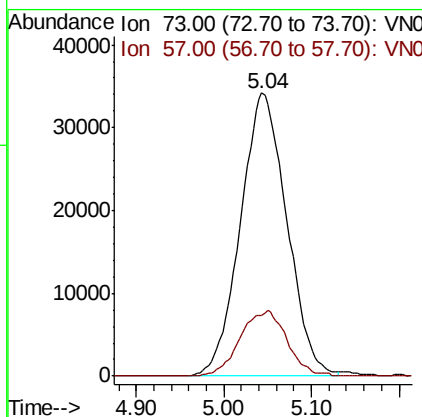
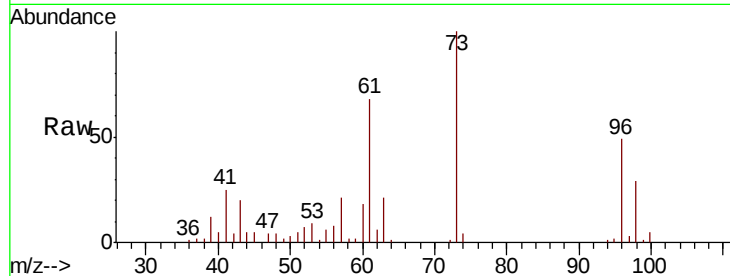
#19
Methyl tert-butyl Ether
Concen: 4.866 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 125776
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.2

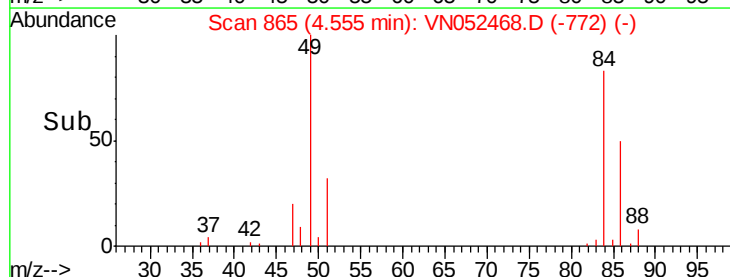
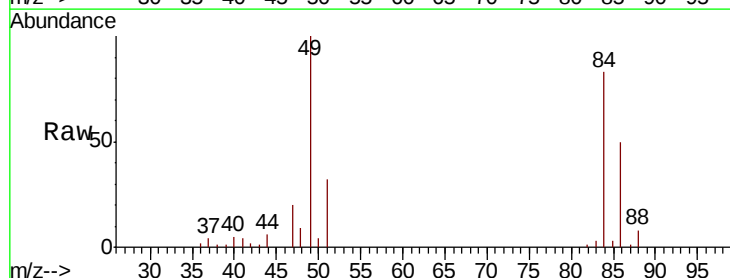
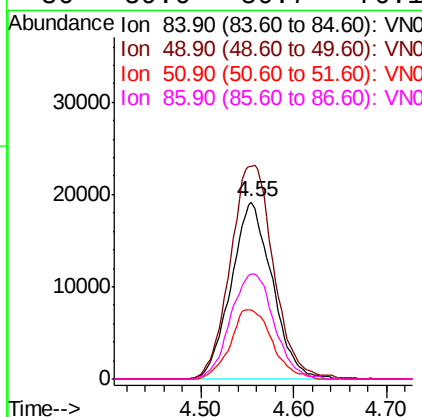
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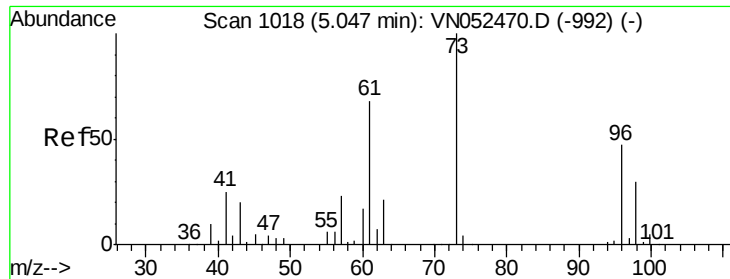
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#20
Methylene Chloride
Concen: 5.061 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 84 Resp: 58993
Ion Ratio Lower Upper
84 100
49 120.3 98.0 147.0
51 38.7 30.1 45.1
86 59.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 5.142 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

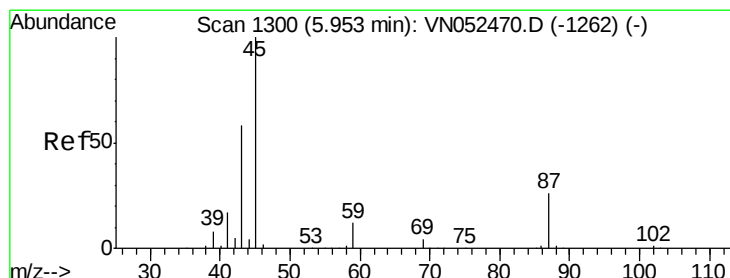
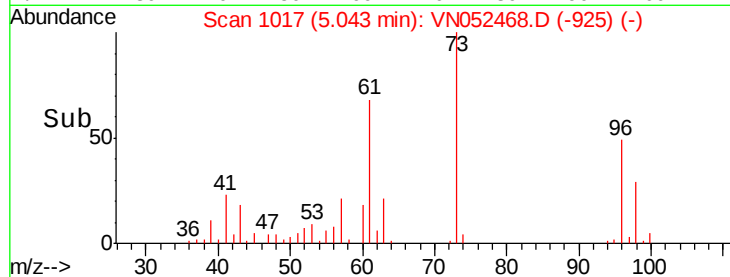
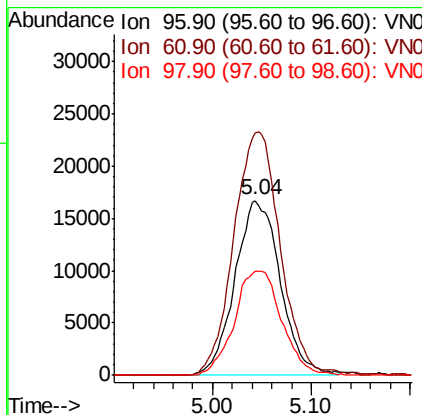
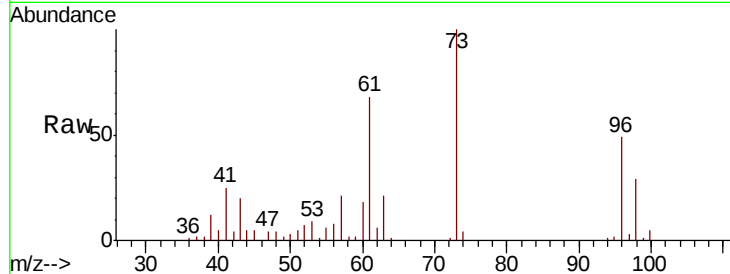
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	53356
Ion	Ratio	Lower	Upper
96	100		
61	138.9	117.0	175.4
98	59.5	51.8	77.6

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#22

Diisopropyl ether

Concen: 4.944 ug/l

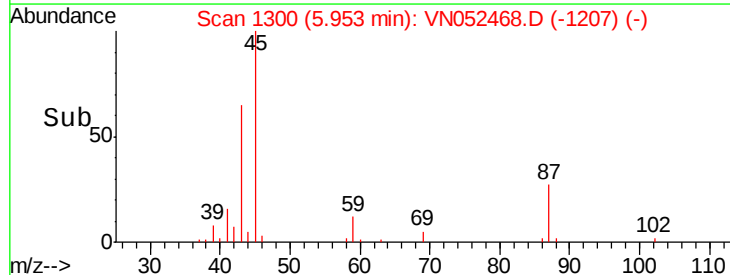
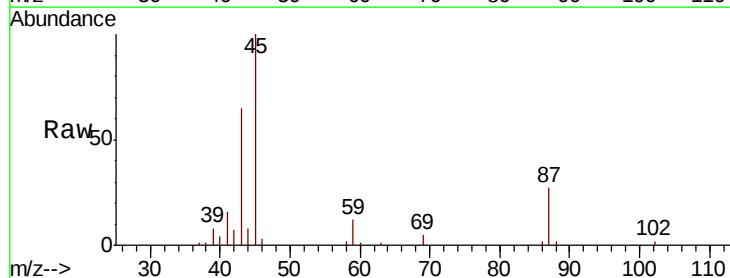
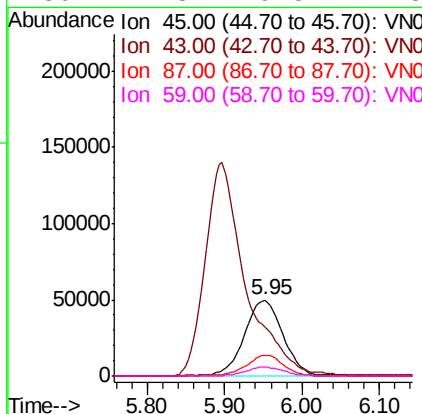
RT: 5.95 min Scan# 1300

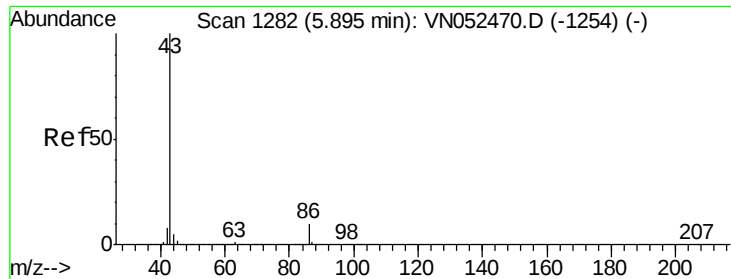
Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	45	Resp:	173877
Ion	Ratio	Lower	Upper
45	100		
43	62.5	46.1	69.1
87	26.7	21.3	31.9
59	11.8	9.5	14.3





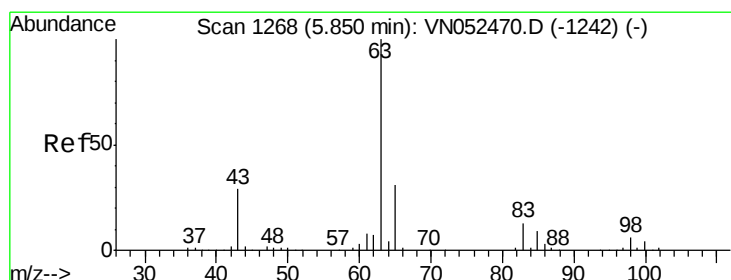
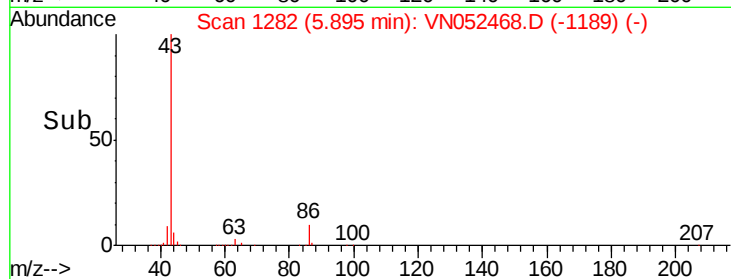
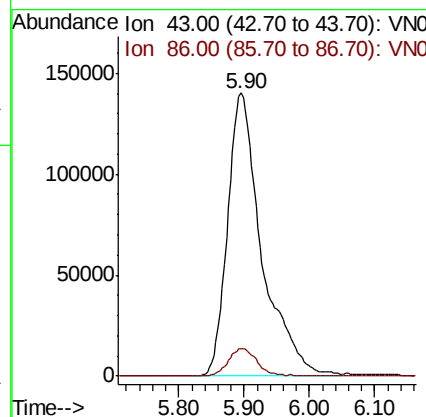
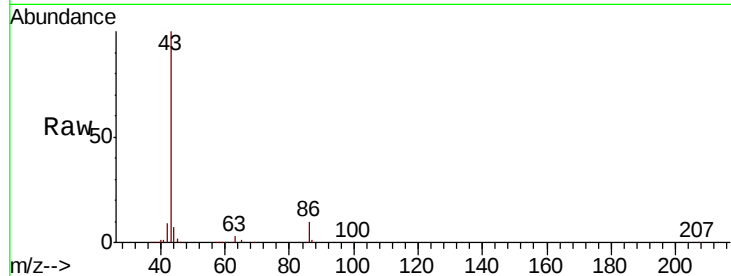
#23
 Vinyl Acetate
 Concen: 23.321 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

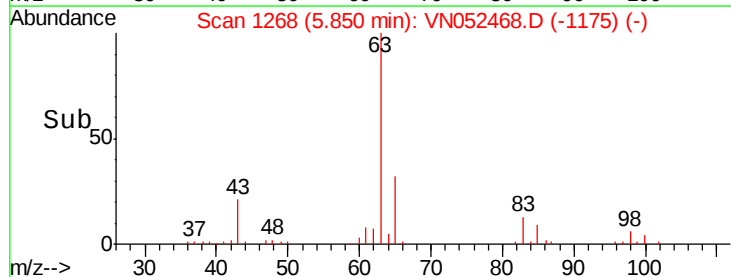
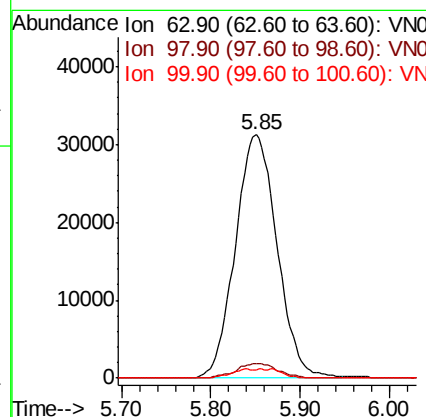
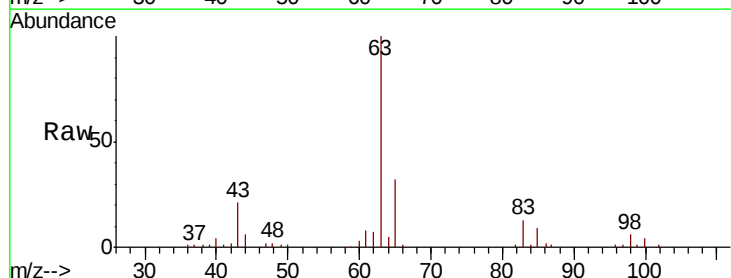
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#24
 1,1-Dichloroethane
 Concen: 5.052 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.5	2.0	5.8





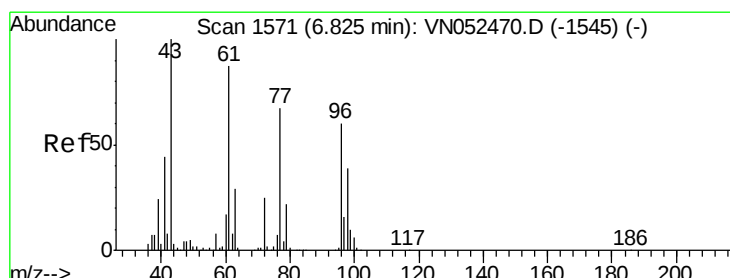
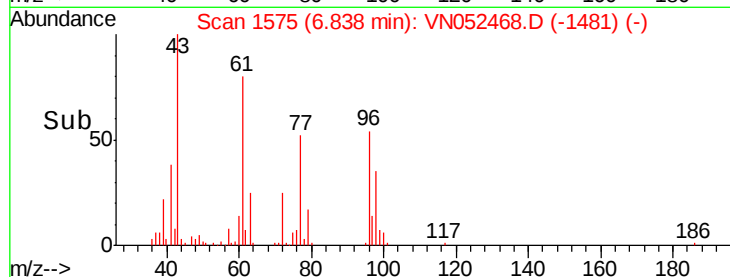
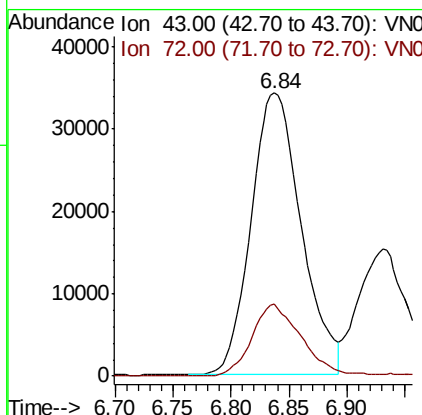
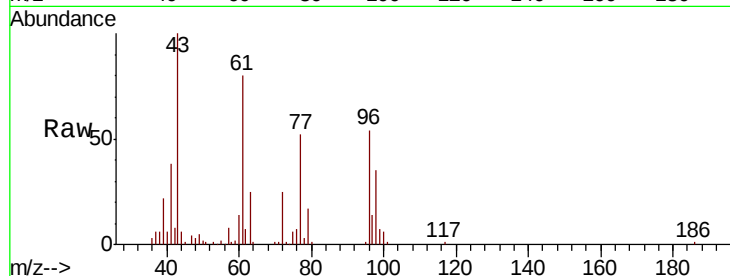
#25
2-Butanone
Concen: 24.489 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 103386
Ion Ratio Lower Upper
43 100
72 25.4 20.1 30.1

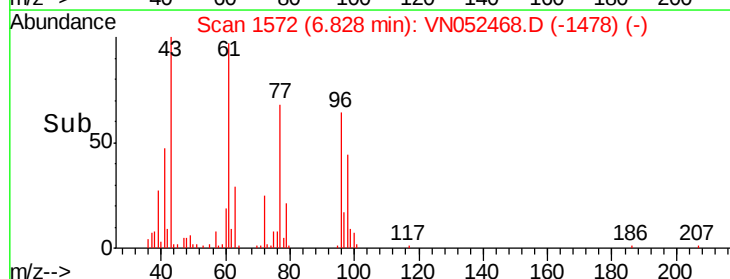
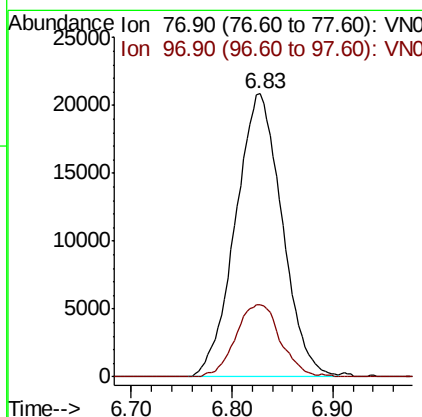
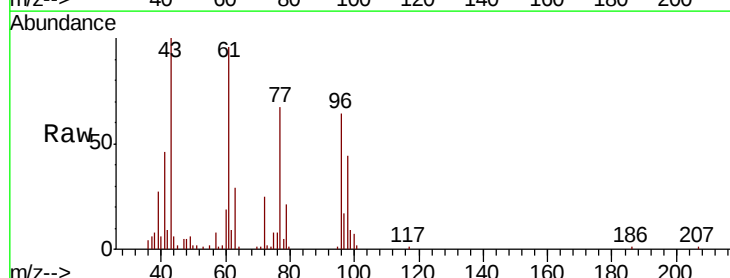
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 4.808 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 77 Resp: 66834
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 4.920 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

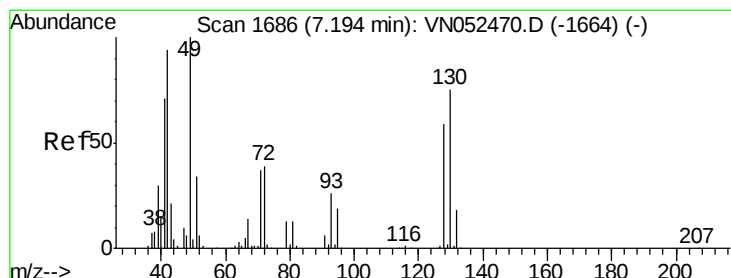
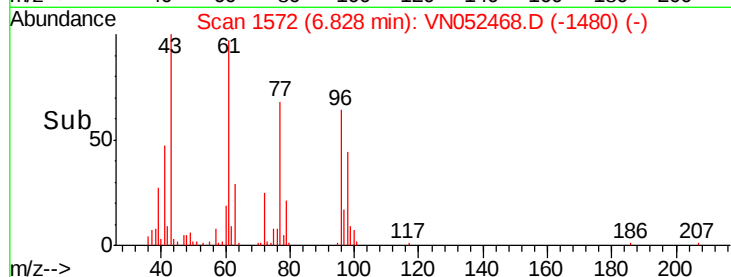
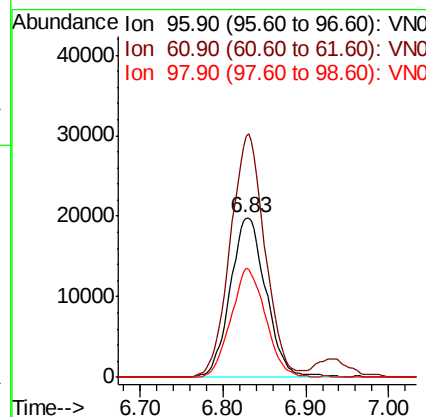
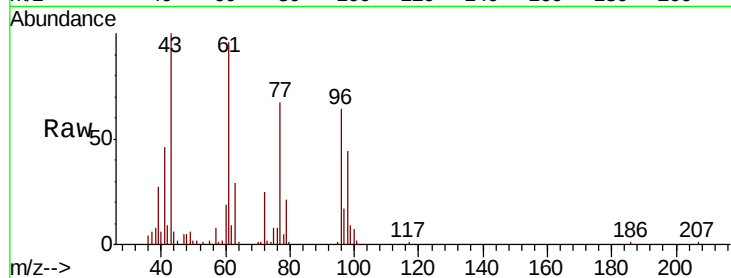
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	59465
Ion Ratio	Lower	Upper	
96	100		
61	147.0	0.0	291.0
98	65.9	0.0	130.0

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#28

Bromochloromethane

Concen: 5.018 ug/l

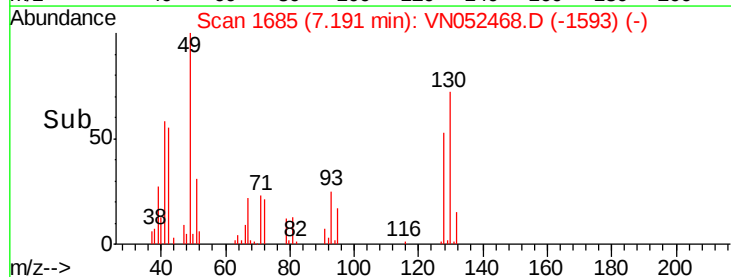
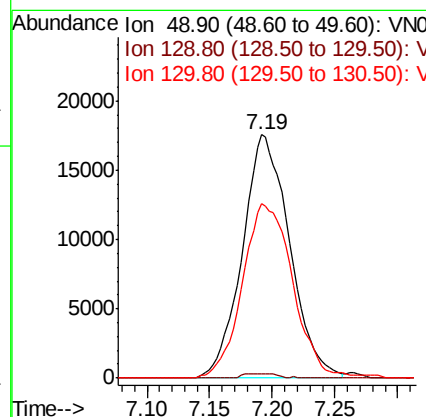
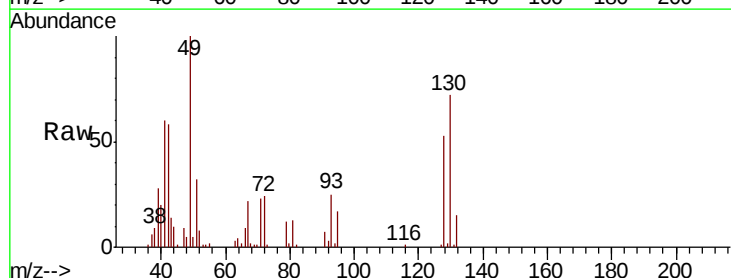
RT: 7.19 min Scan# 1685

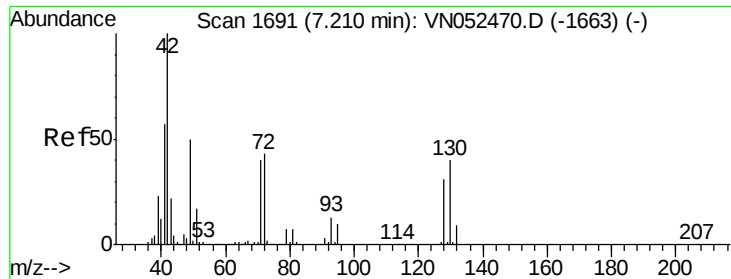
Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	49	Resp:	46024
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	3.8
130	76.3	60.2	90.2





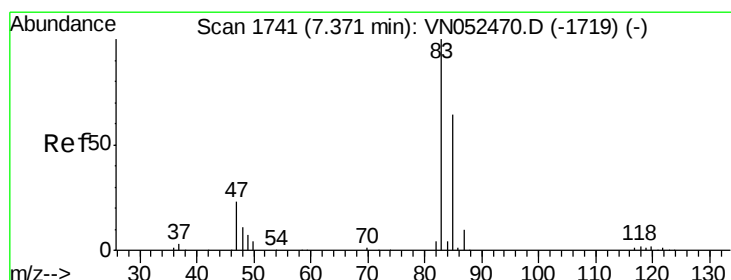
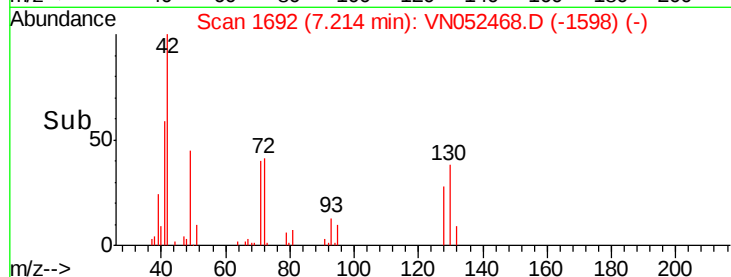
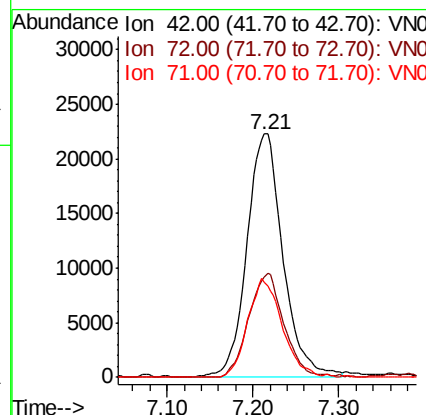
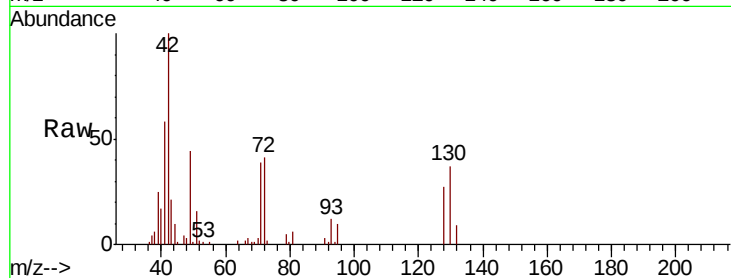
#29
Tetrahydrofuran
Concen: 23.943 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.3	49.9
71	38.5	32.0	48.0

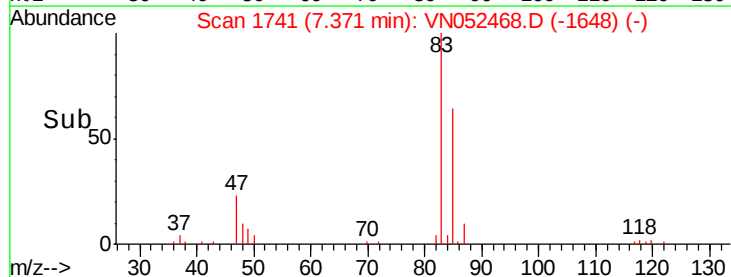
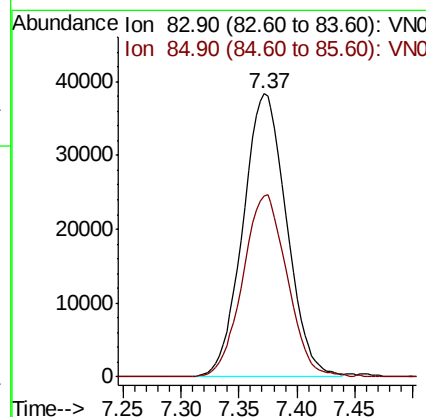
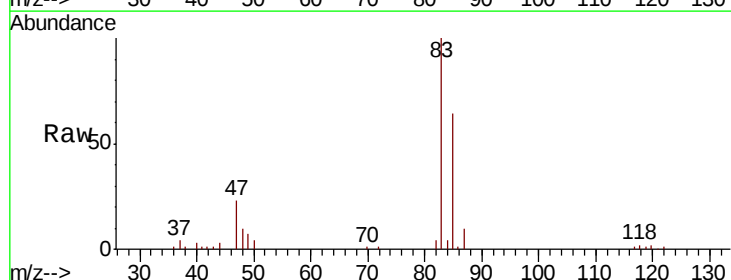
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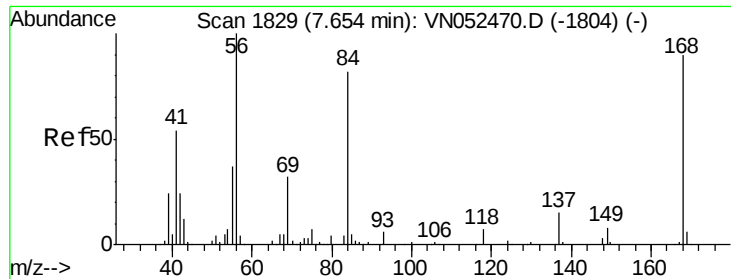
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#30
Chloroform
Concen: 5.026 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4





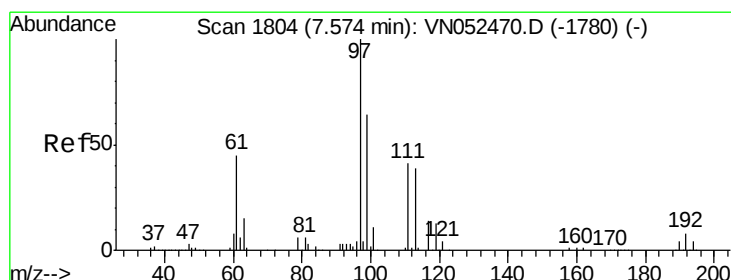
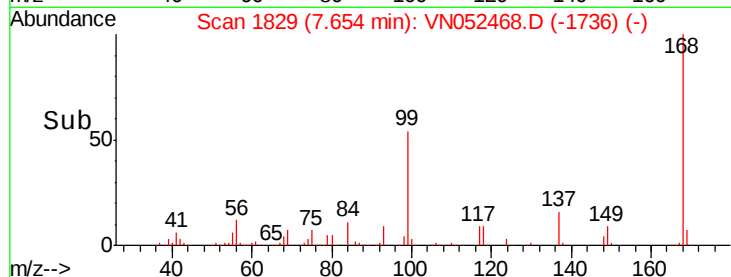
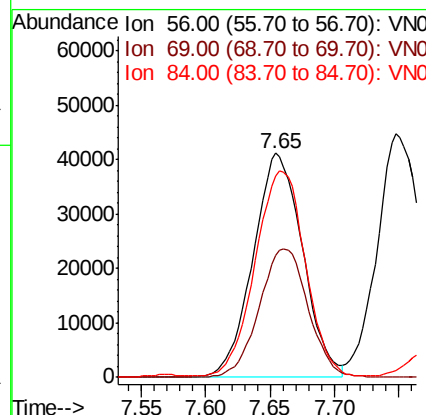
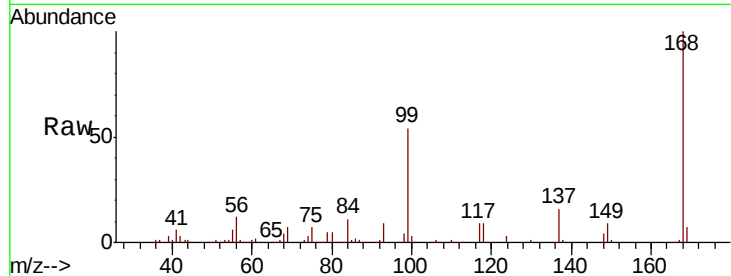
#31
Cyclohexane
Concen: 4.908 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	54.5	25.8	38.6#
84	89.0	65.3	97.9

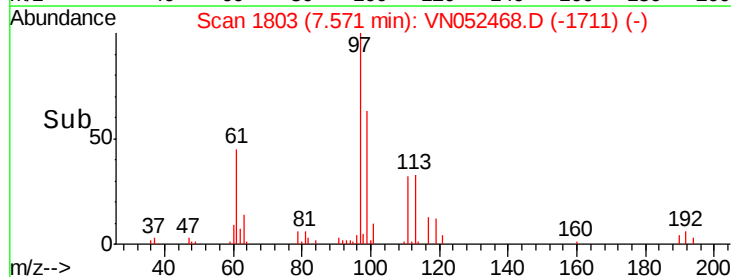
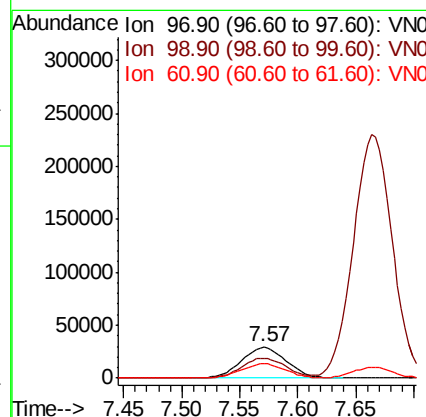
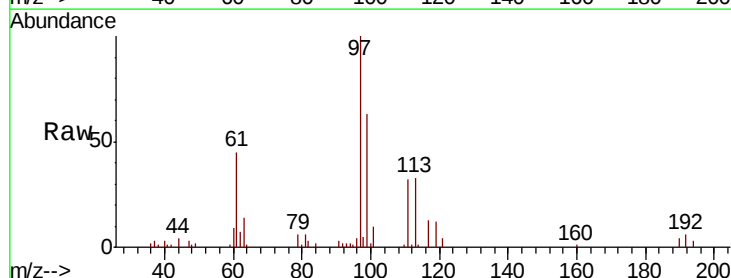
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#32
1,1,1-Trichloroethane
Concen: 4.941 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	46.2	36.8	55.2





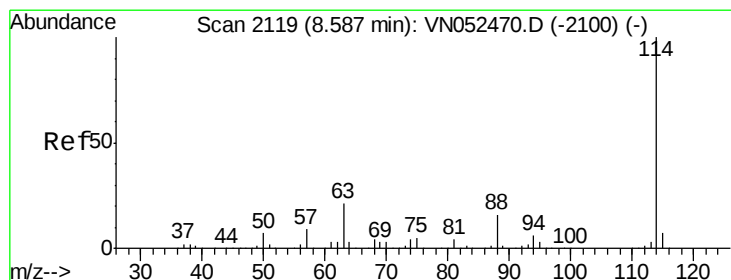
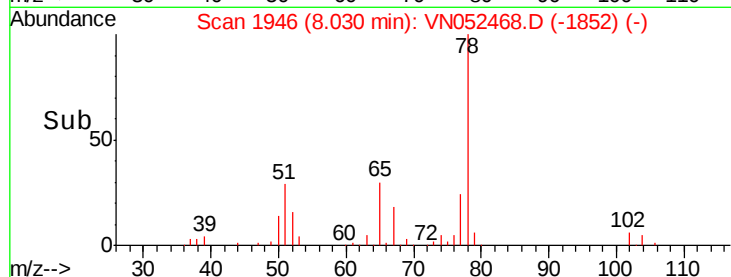
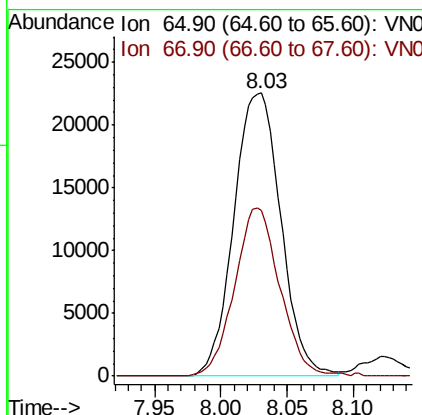
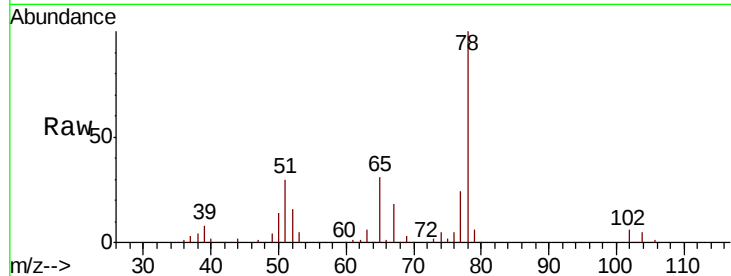
#33
 1,2-Dichloroethane-d4
 Concen: 4.941 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 55603
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 109.8

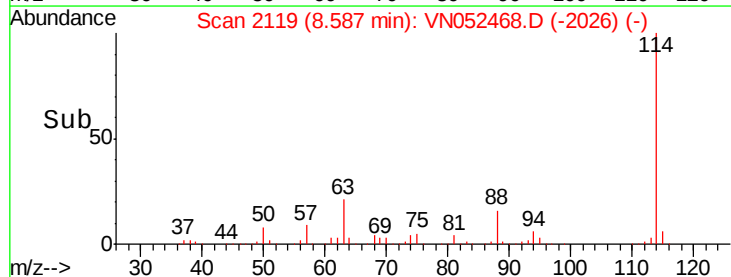
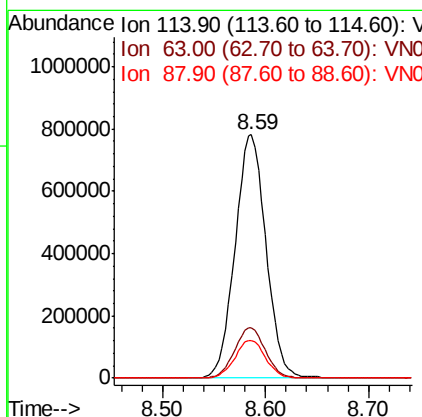
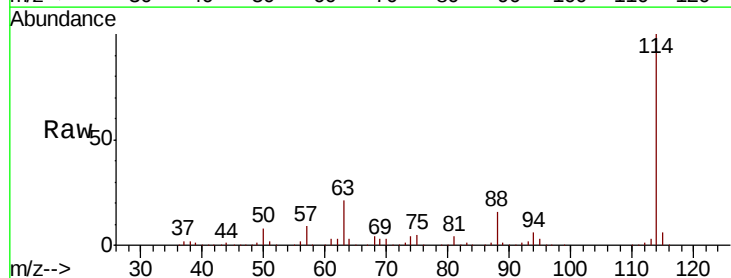
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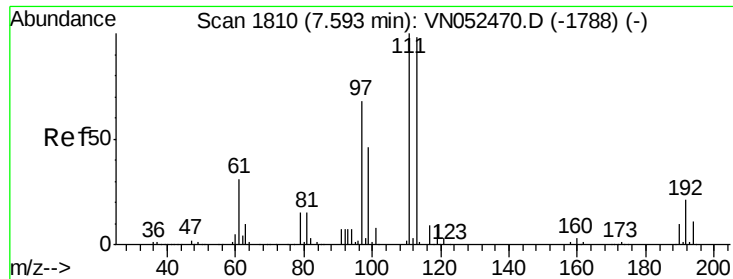
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 114 Resp: 1628884
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.8
 88 15.6 0.0 31.6





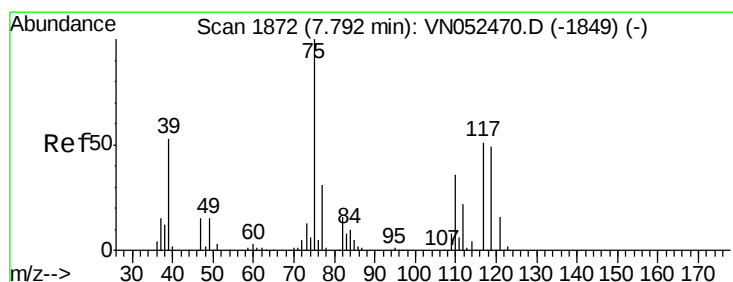
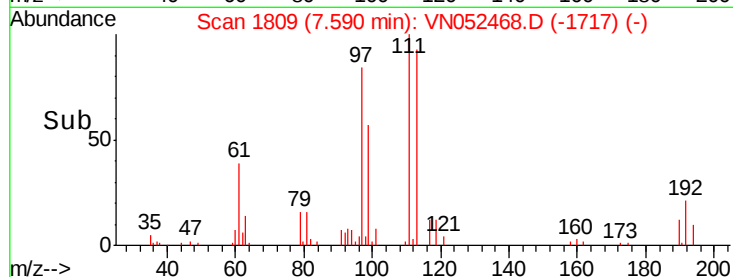
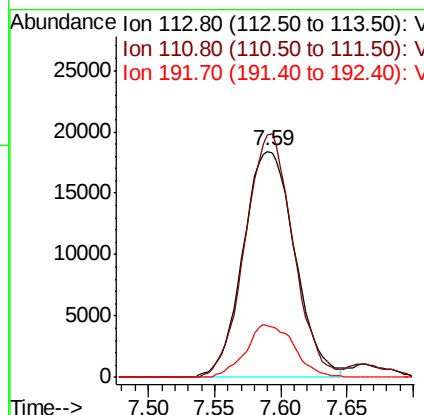
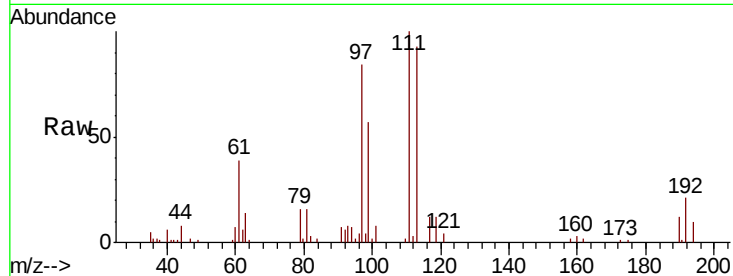
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	49915		
111	100.1	82.0	123.0	
192	21.7	17.0	25.6	

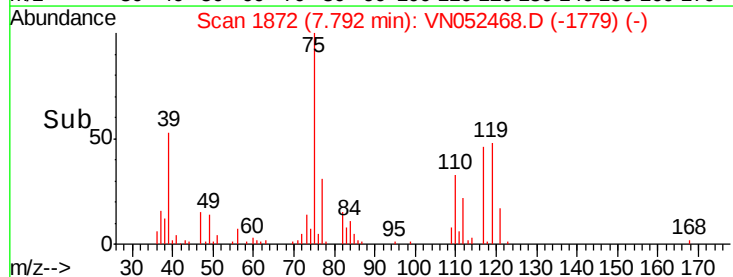
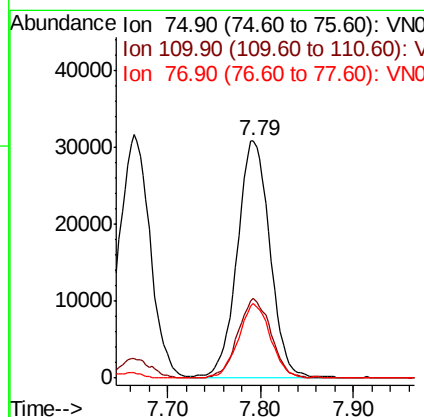
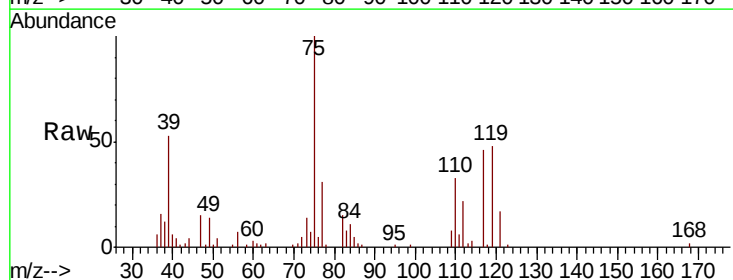
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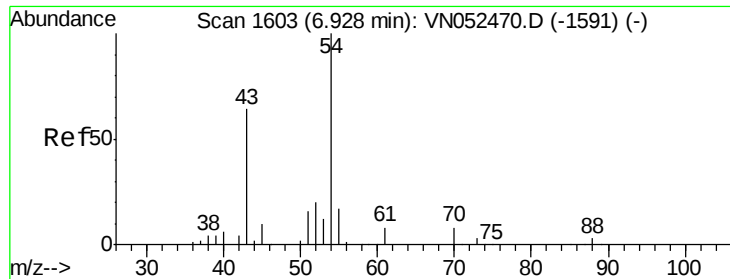
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#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75897		
110	33.7	17.5	52.6	
77	30.6	24.5	36.7	





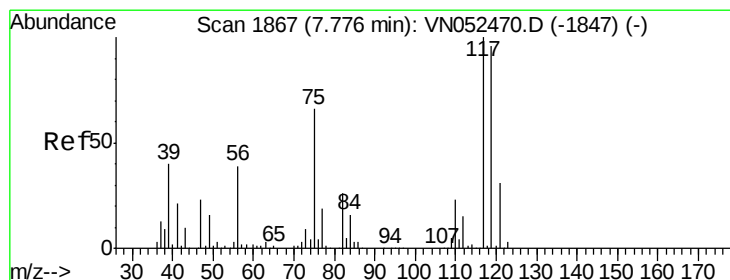
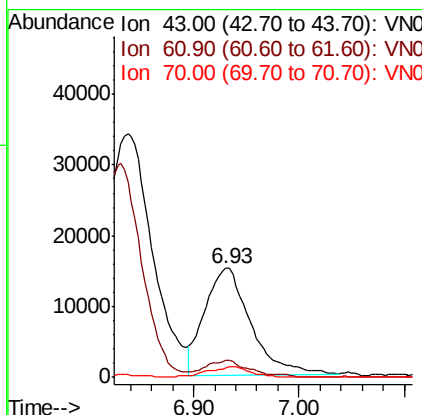
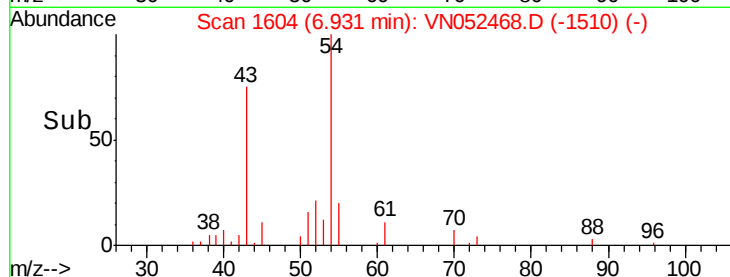
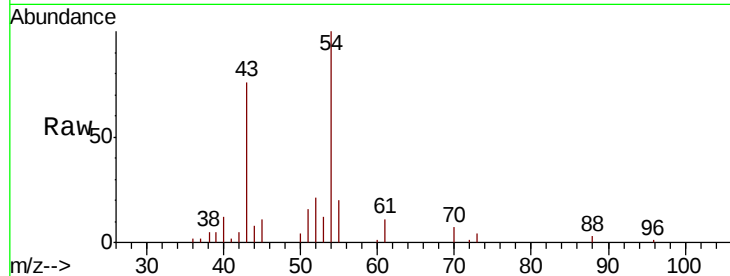
#37
Ethyl Acetate
 Concen: 4.832 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	9.1	7.8	11.8

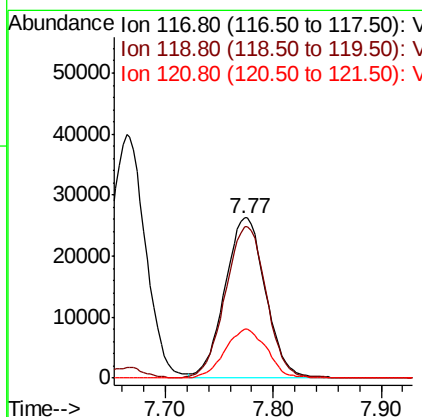
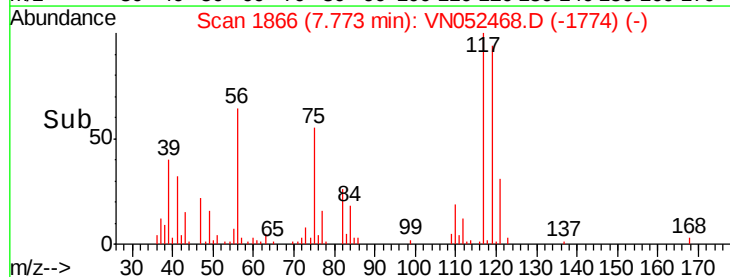
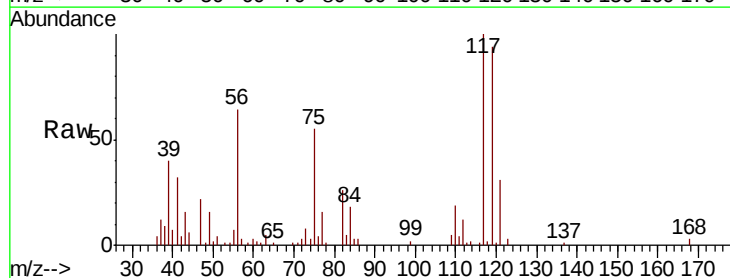
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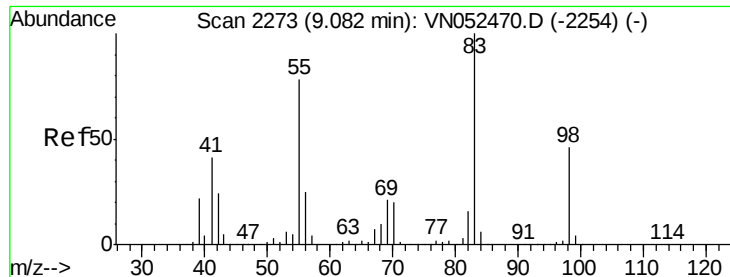
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#38
Carbon Tetrachloride
 Concen: 4.963 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	30.6	24.9	37.3





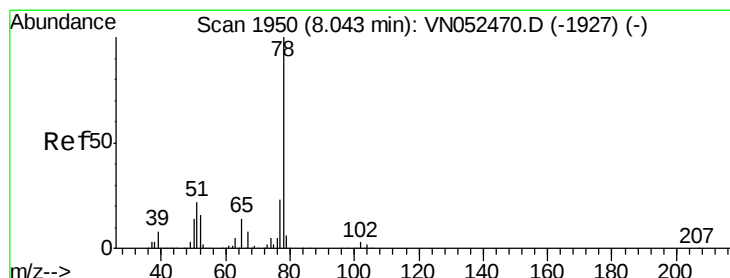
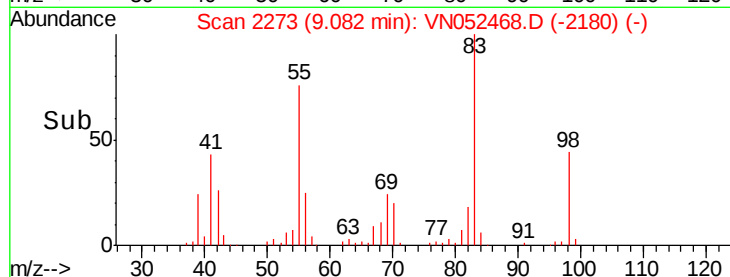
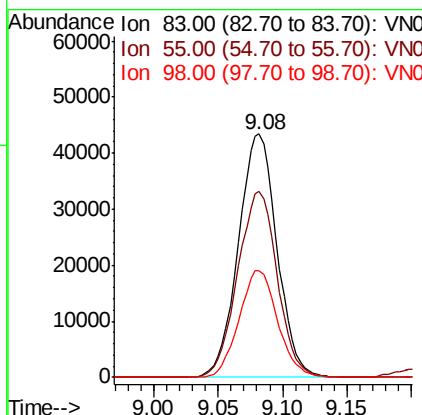
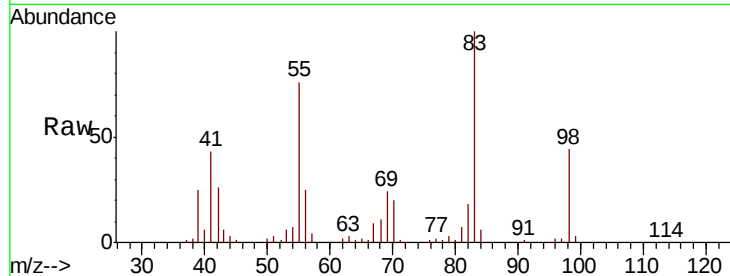
#39
Methylcyclohexane
Concen: 4.838 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.3	62.2	93.2
98	44.0	36.4	54.6

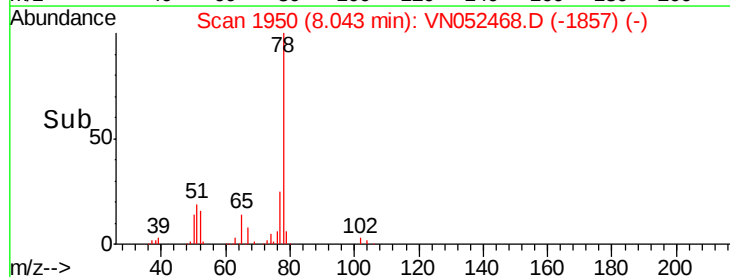
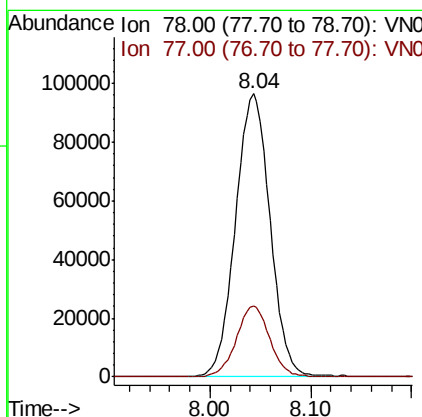
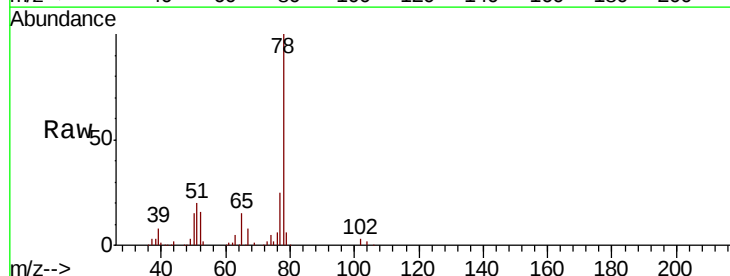
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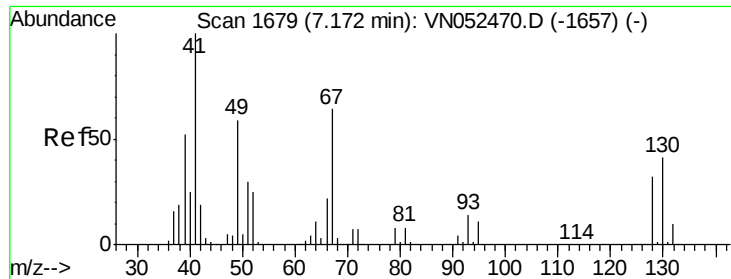
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#40
Benzene
Concen: 5.007 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.8	28.2





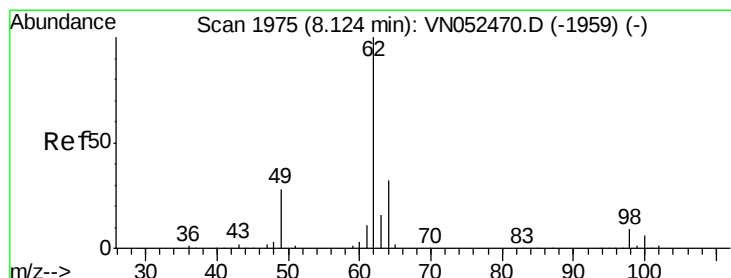
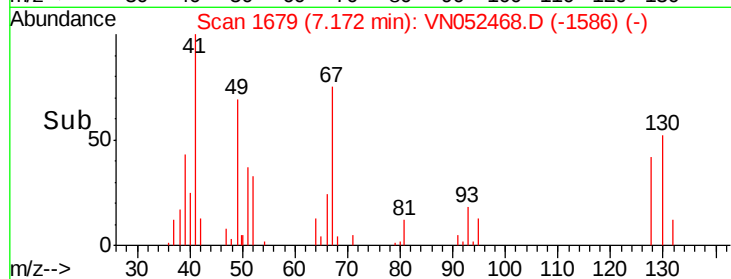
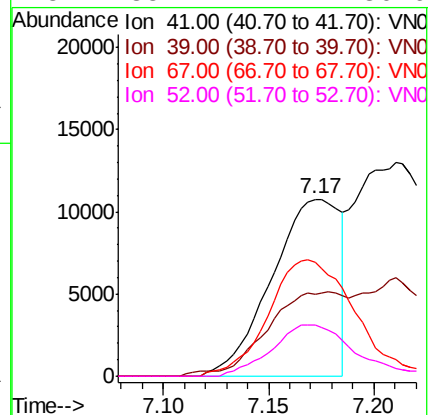
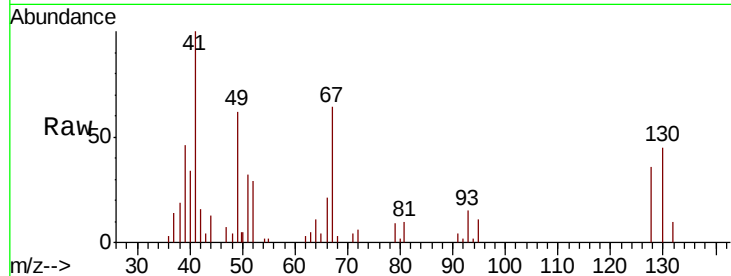
#41
Methacrylonitrile
Concen: 4.732 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.7	50.9	76.3
67	82.8	63.6	95.4
52	35.4	24.4	36.6

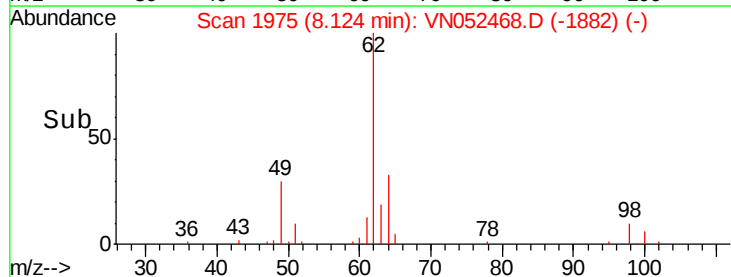
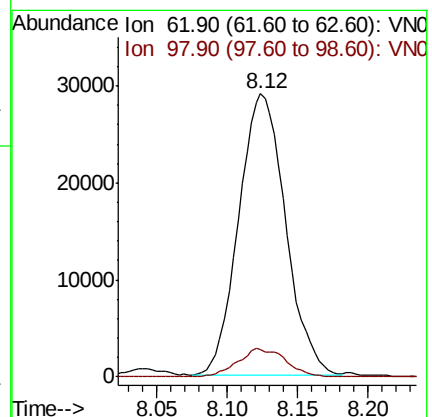
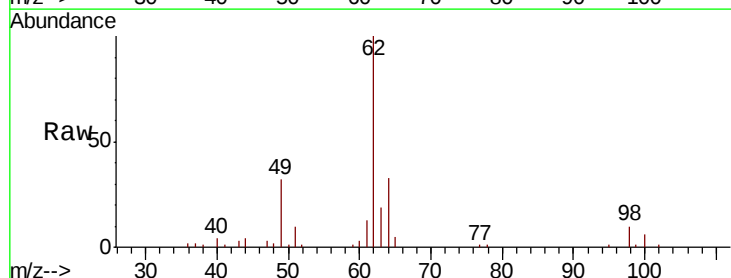
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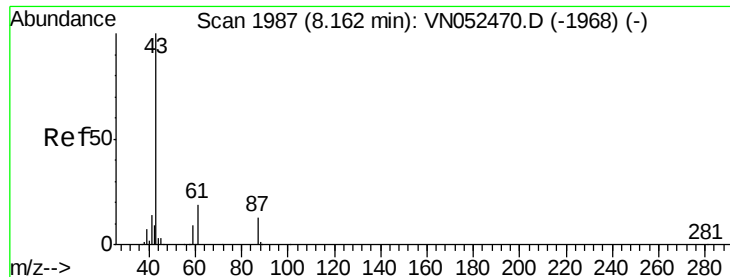
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#42
1,2-Dichloroethane
Concen: 4.854 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6





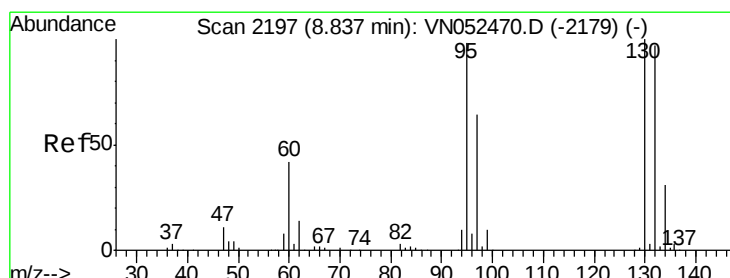
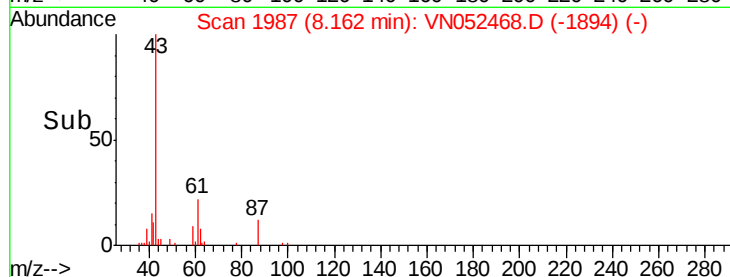
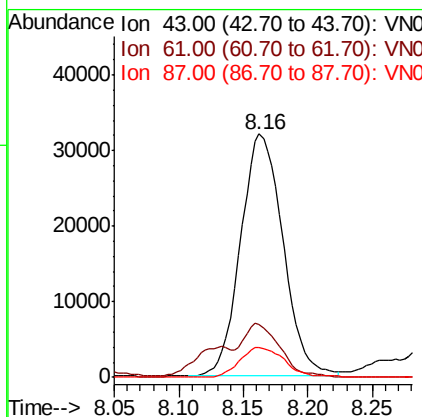
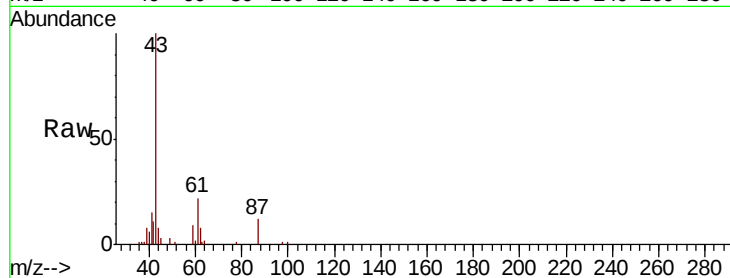
#43
Isopropyl Acetate
Concen: 4.619 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	24.1	36.1#
87	12.8	10.6	15.8

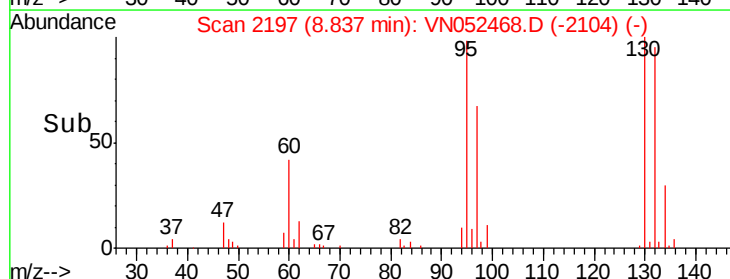
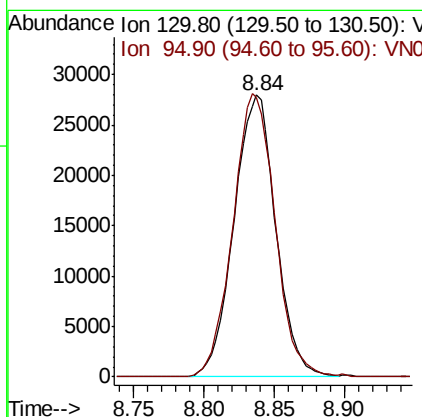
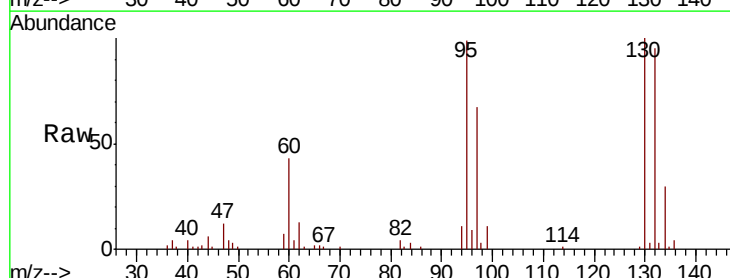
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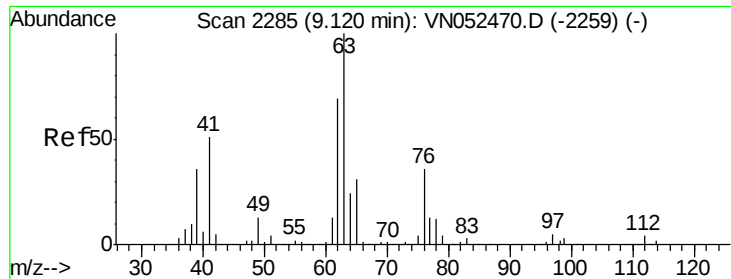
MMDadoda
11/28/2018 9:33:23 AM



#44
Trichloroethene
Concen: 4.937 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	195.6





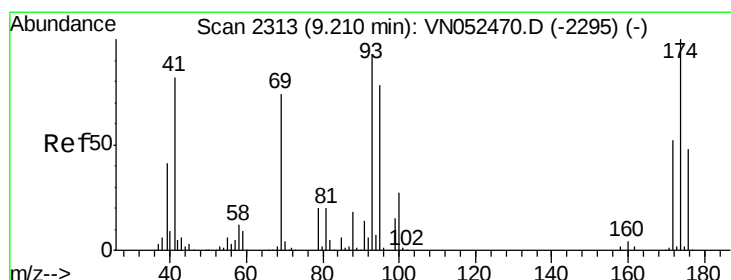
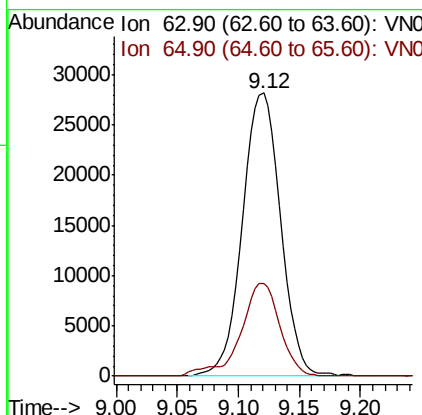
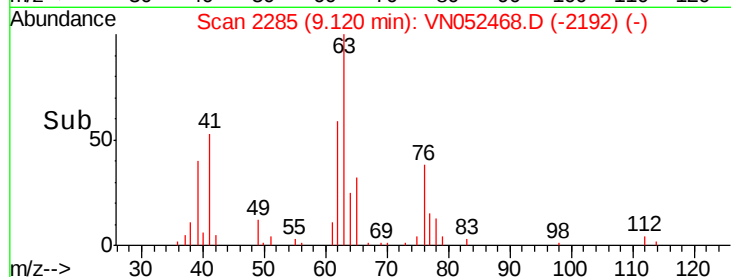
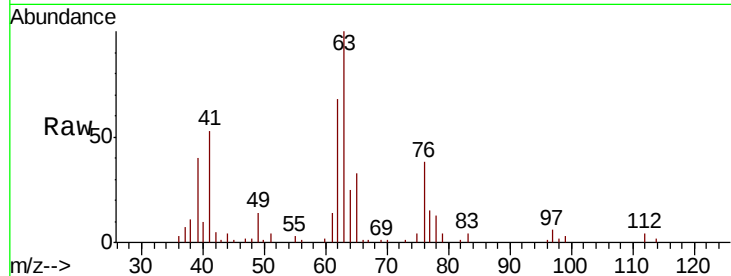
#45
 1,2-Dichloropropane
 Concen: 5.000 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 60938
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6

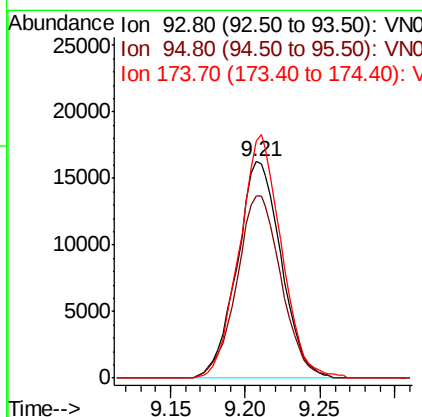
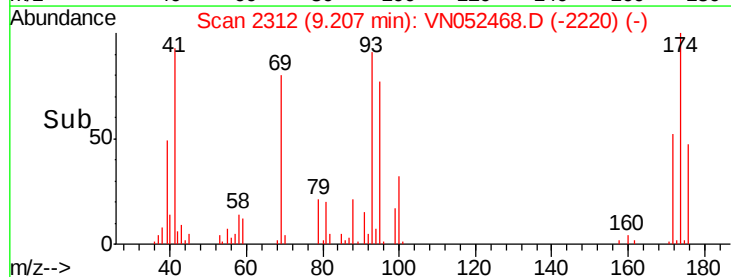
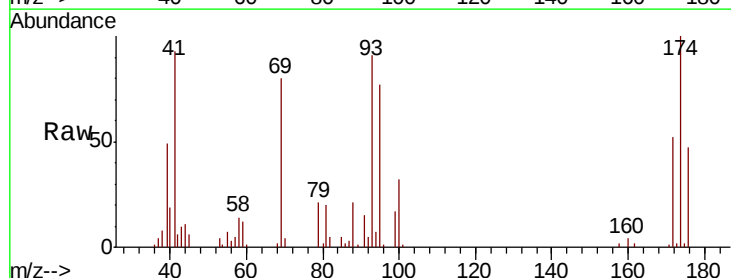
Manual Integrations
 APPROVED

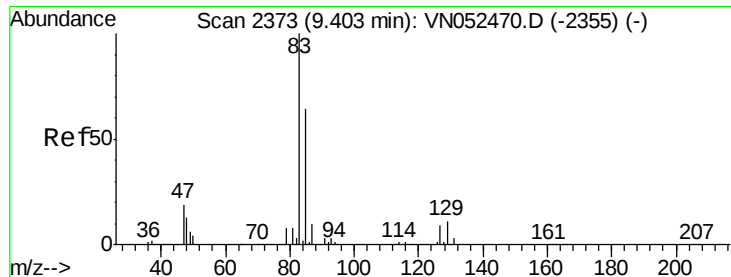
MMDadoda
 11/28/2018 9:33:23 AM



#46
 Dibromomethane
 Concen: 4.937 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 93 Resp: 33307
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.1 100.7
 174 107.0 85.8 128.8





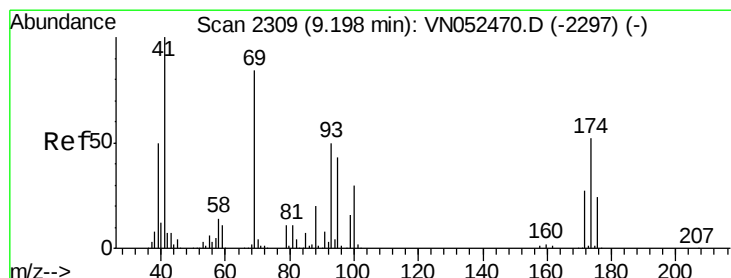
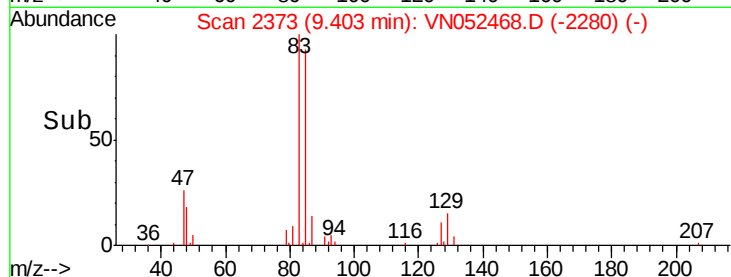
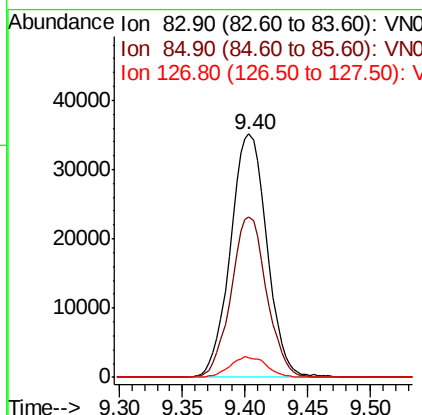
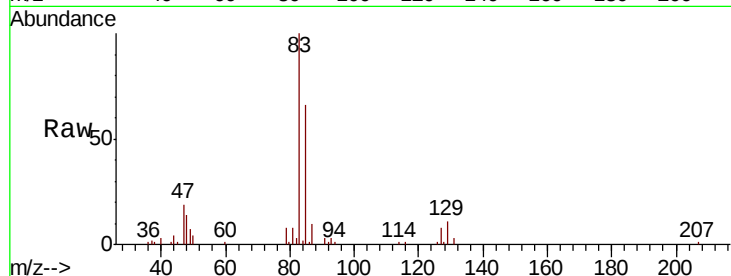
#47
Bromodichloromethane
Concen: 4.839 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9
127	8.2	6.9	10.3

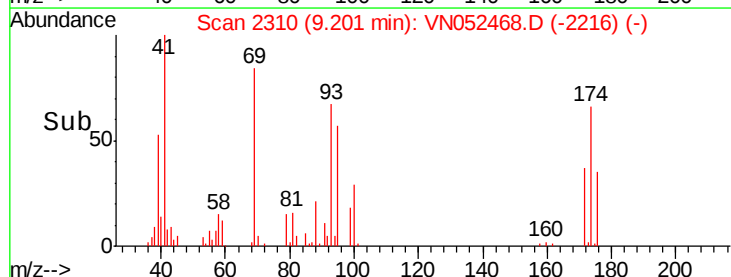
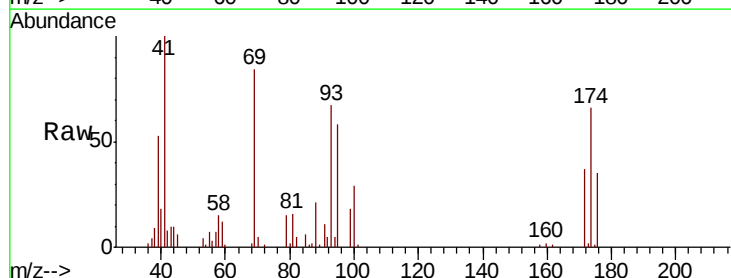
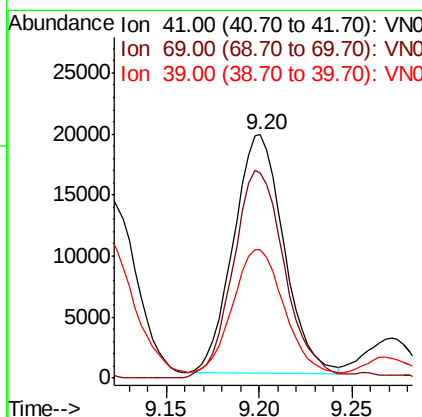
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#48
Methyl methacrylate
Concen: 4.452 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	70.0	105.0
39	53.1	42.6	64.0





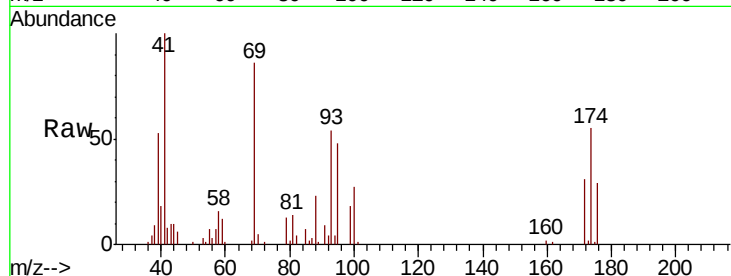
#49
1,4-Dioxane
Concen: 106.502 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.4	39.6
58	70.8	55.4	83.0

Manual Integrations
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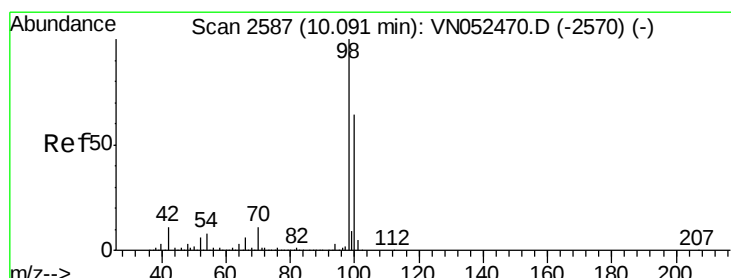
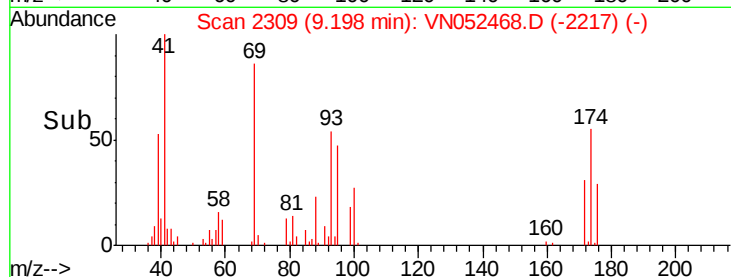
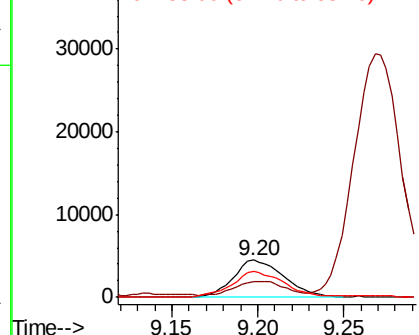


Abundance

Ion 88.00 (87.70 to 88.70): VN052470.D (-2295) (-)

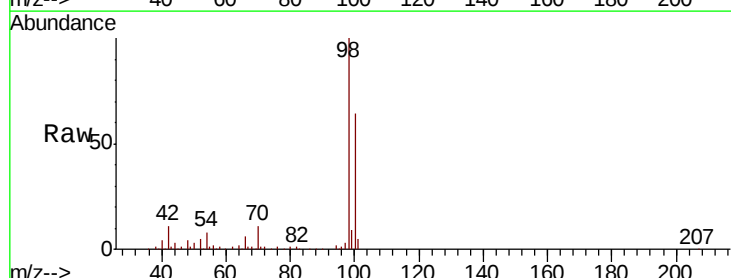
Ion 43.00 (42.70 to 43.70): VN052470.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2295) (-)



#50
Toluene-d8
Concen: 106.502 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

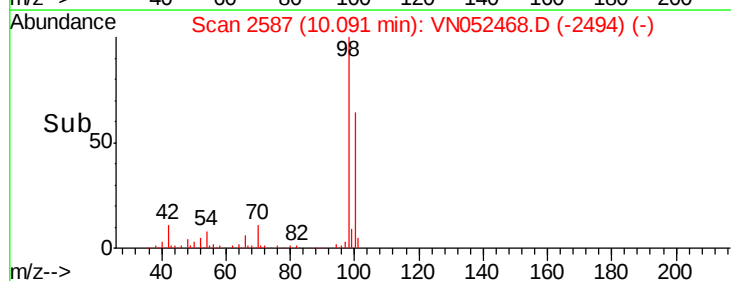
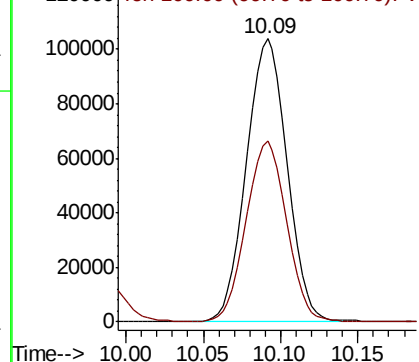
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9

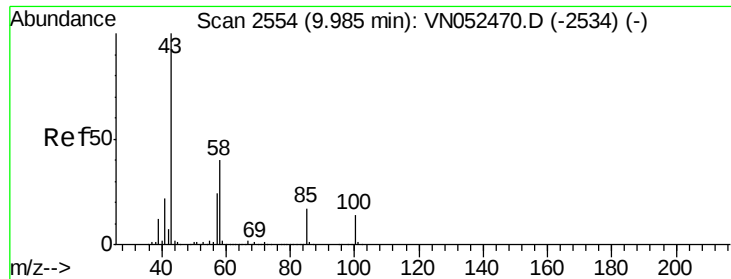


Abundance

Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)





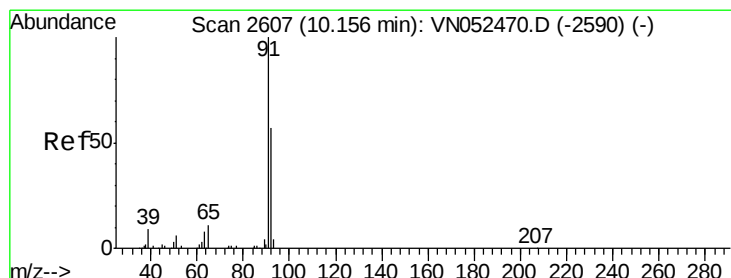
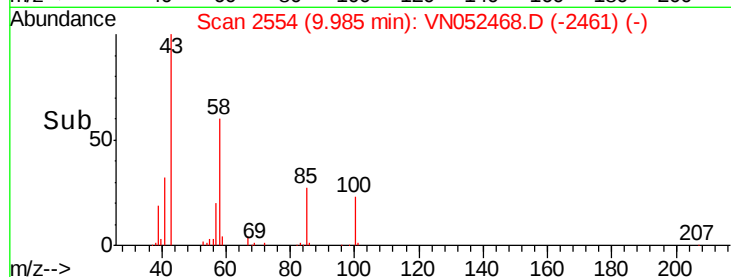
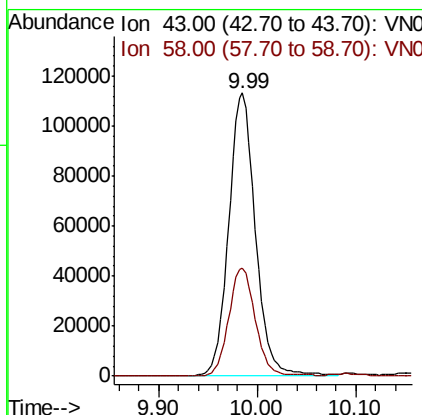
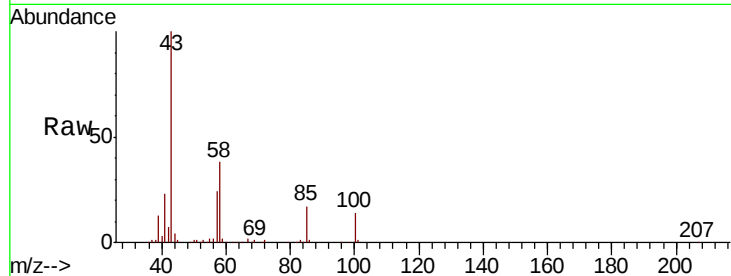
#51
 4-Methyl-2-Pentanone
 Concen: 23.916 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 213170
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.5 47.3

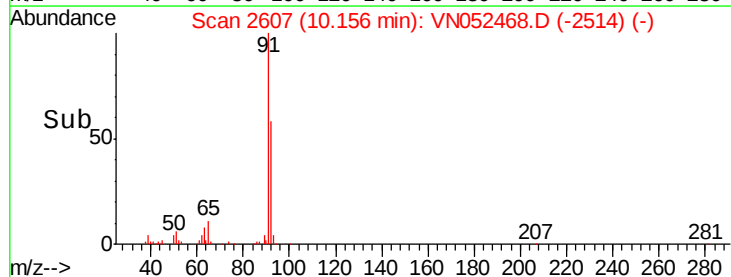
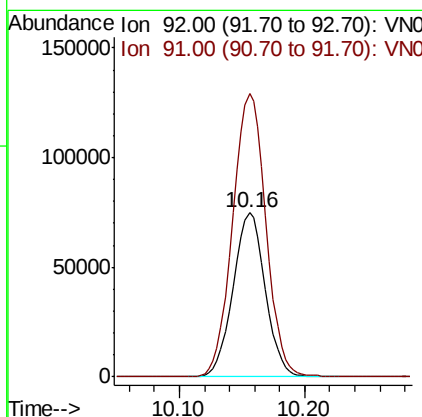
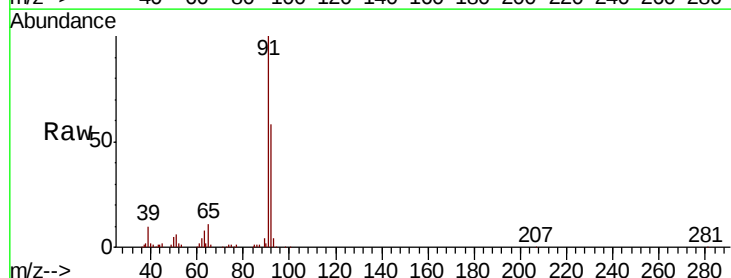
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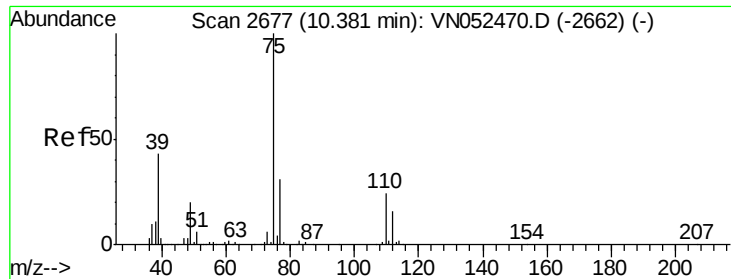
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#52
 Toluene
 Concen: 4.899 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 92 Resp: 133441
 Ion Ratio Lower Upper
 92 100
 91 178.0 141.0 211.4





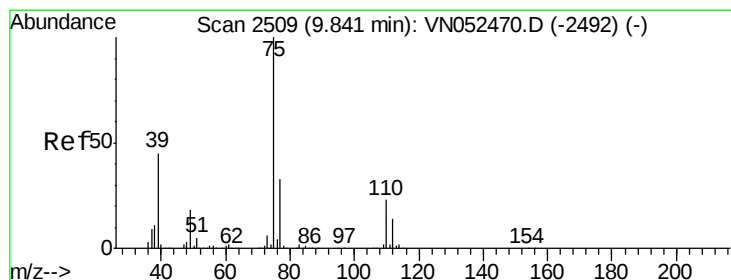
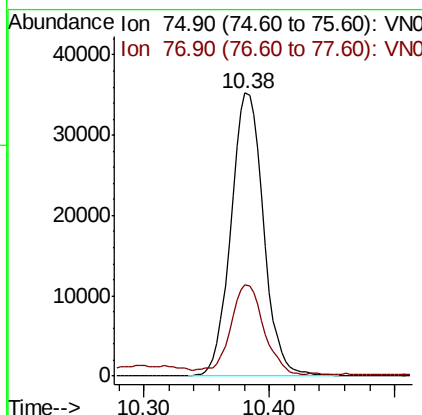
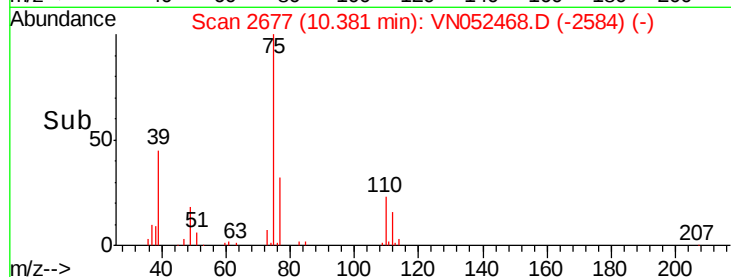
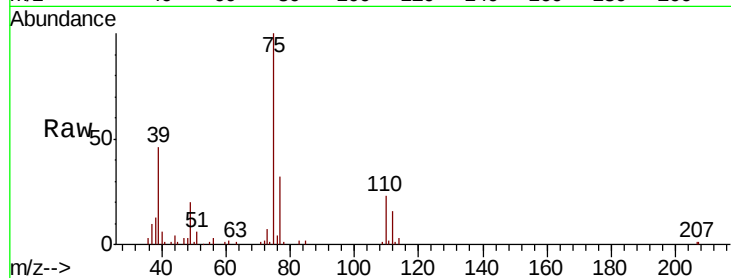
#53
t-1,3-Dichloropropene
Concen: 4.503 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 63539
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

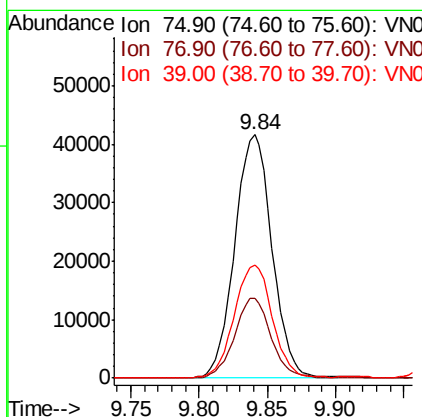
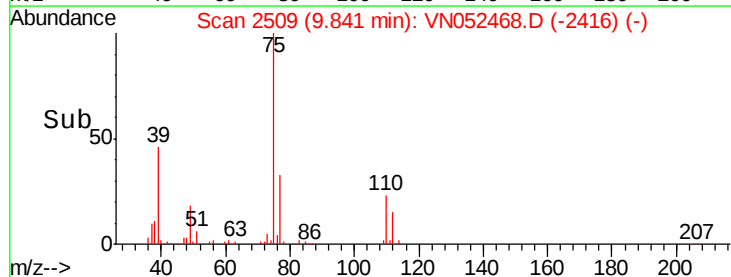
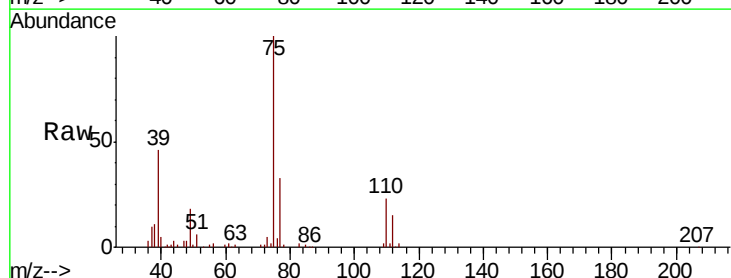
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#54
cis-1,3-Dichloropropene
Concen: 4.668 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 75 Resp: 78940
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.2
39 46.4 36.0 54.0





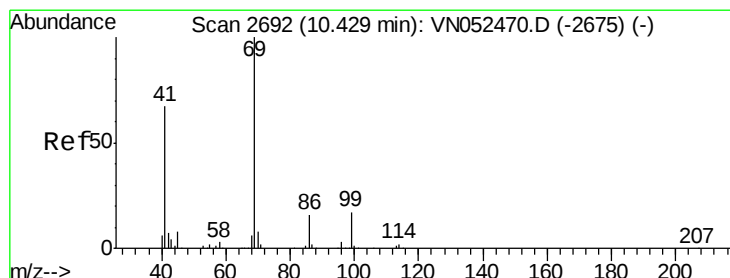
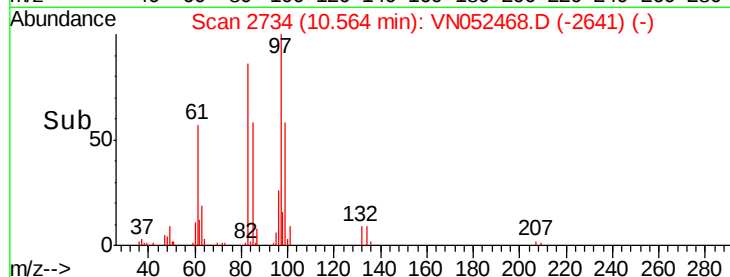
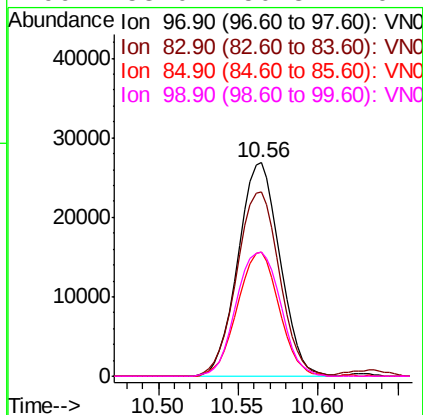
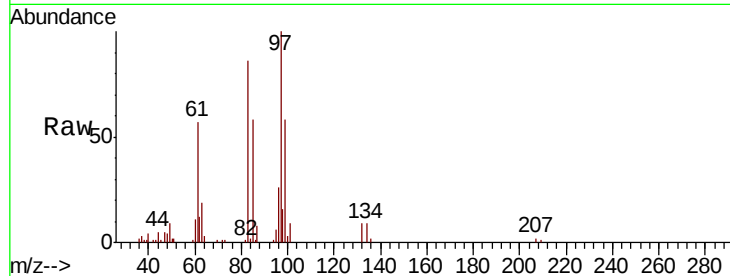
#55
 1,1,2-Trichloroethane
 Concen: 5.016 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.7	106.1
85	57.9	46.1	69.1
99	58.0	50.8	76.2

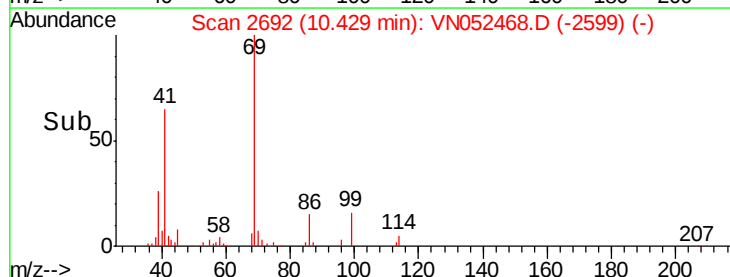
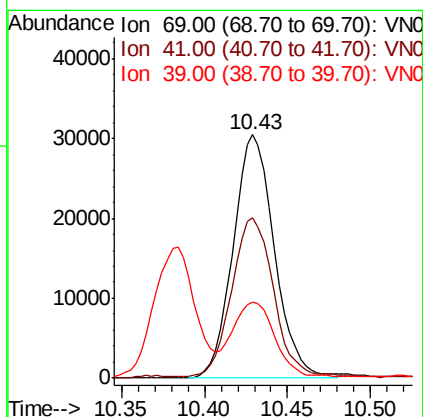
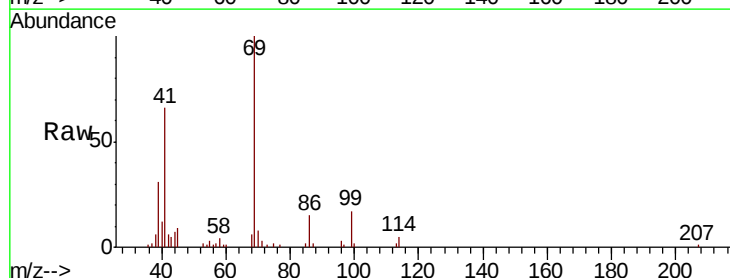
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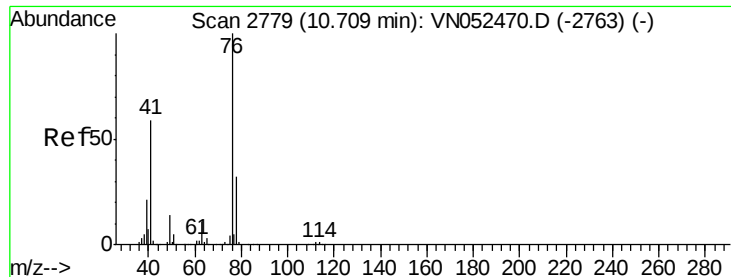
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#56
 Ethyl methacrylate
 Concen: 4.471 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.3	52.6	79.0
39	32.0	25.9	38.9





#57

1,3-Dichloropropane

Concen: 4.998 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 76 Resp: 84548

Ion Ratio Lower Upper

76 100

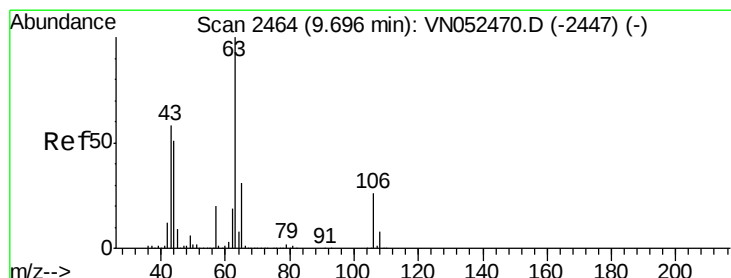
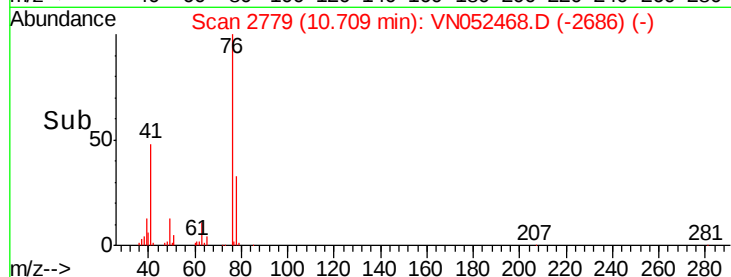
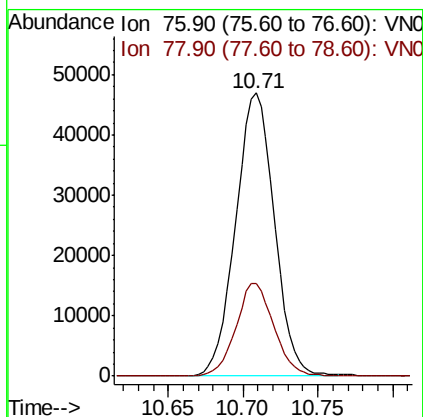
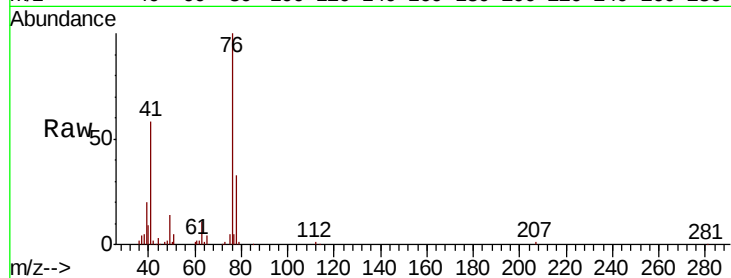
78 32.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 22.970 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052468.D

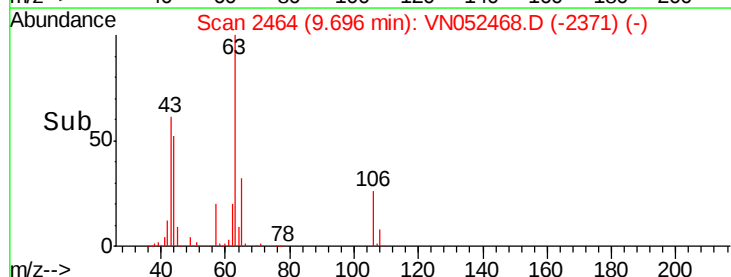
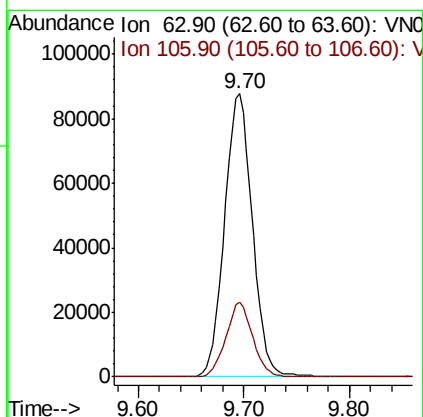
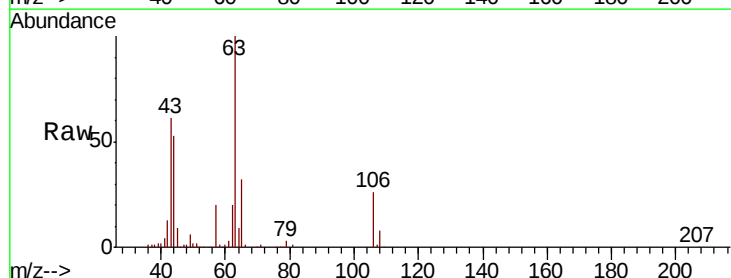
Acq: 27 Nov 2018 9:39

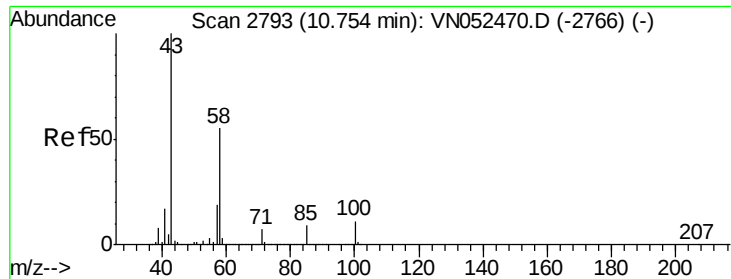
Tgt Ion: 63 Resp: 159681

Ion Ratio Lower Upper

63 100

106 25.4 20.6 30.8





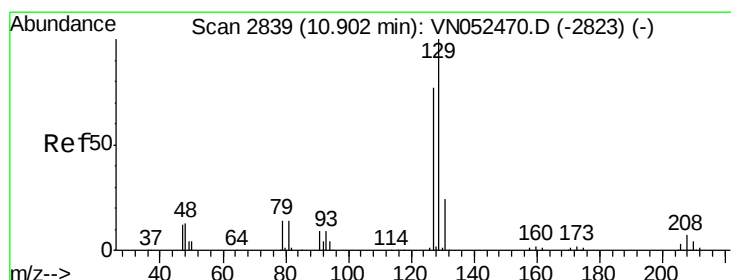
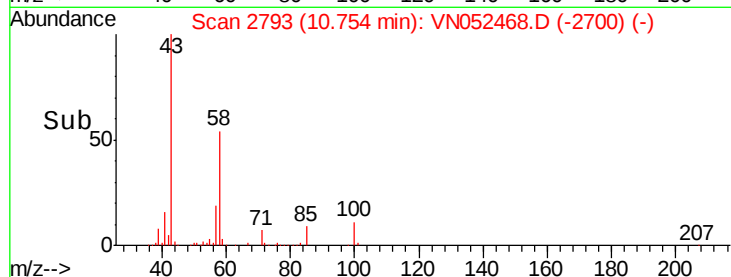
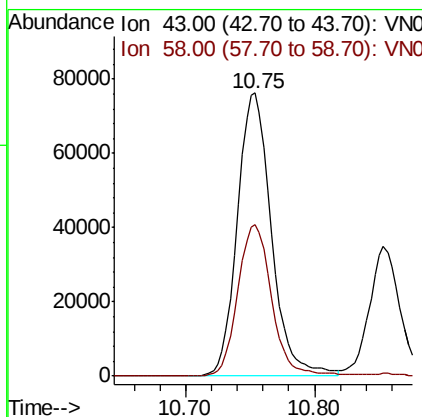
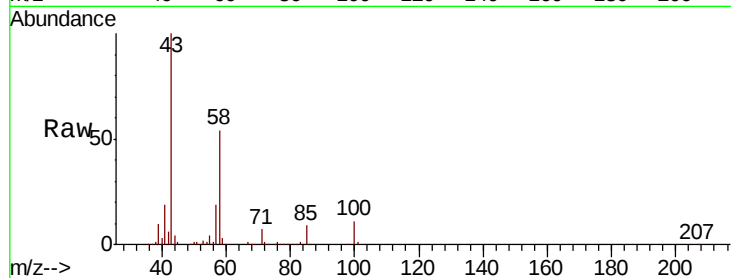
#59
2-Hexanone
Concen: 23.323 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 139522
Ion Ratio Lower Upper
43 100
58 53.7 27.4 82.0

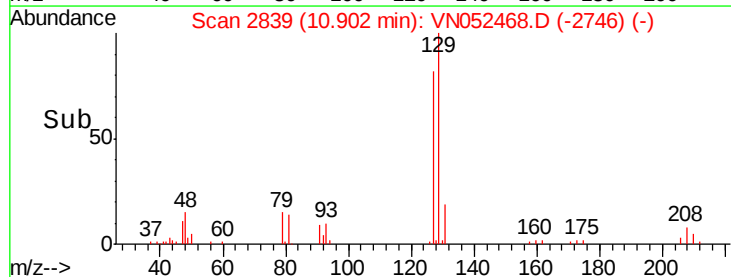
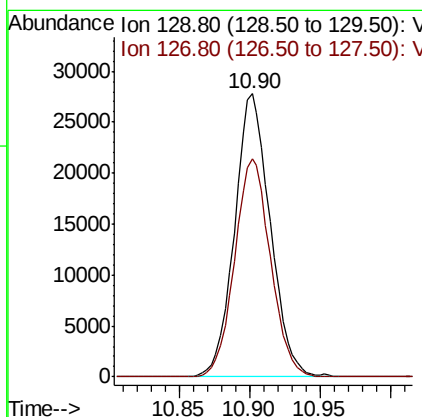
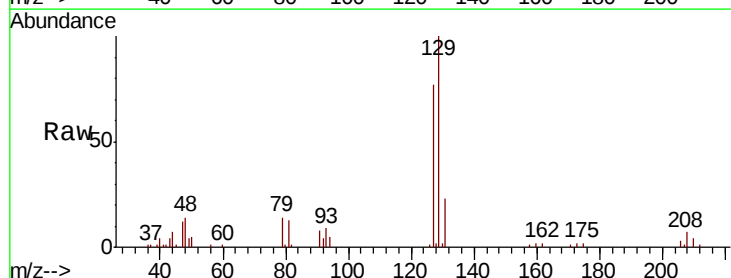
Manual Integrations
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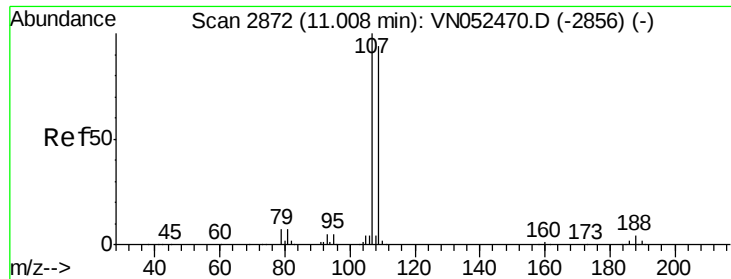
MMDadoda
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#60
Dibromochloromethane
Concen: 4.731 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 129 Resp: 49228
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 4.888 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 46509

Ion Ratio Lower Upper

107 100

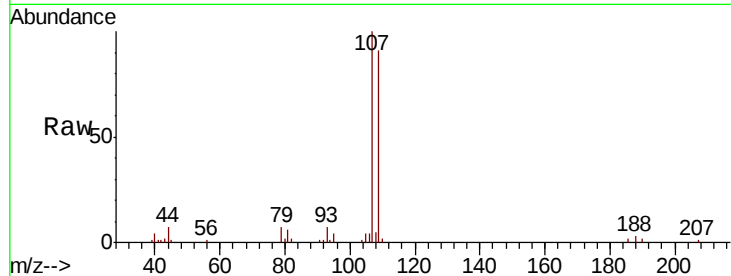
109 90.5 75.6 113.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

25000

20000

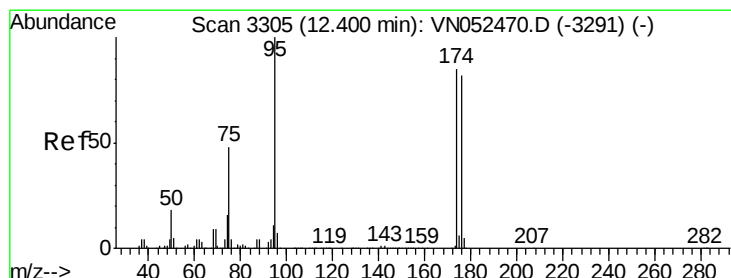
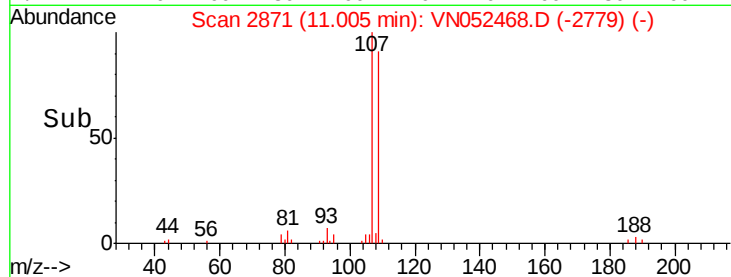
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 4.888 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

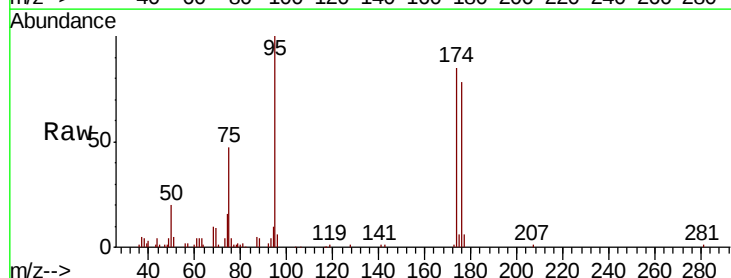
Tgt Ion: 95 Resp: 60890

Ion Ratio Lower Upper

95 100

174 84.9 0.0 173.0

176 80.3 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

50000

40000

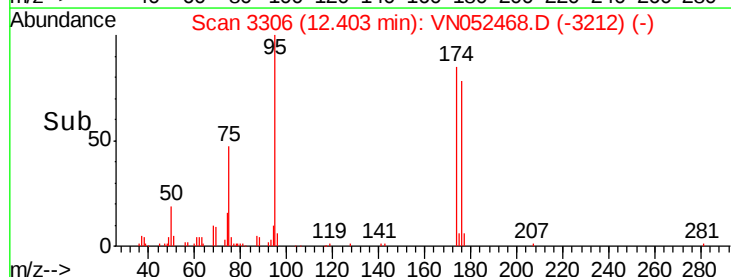
30000

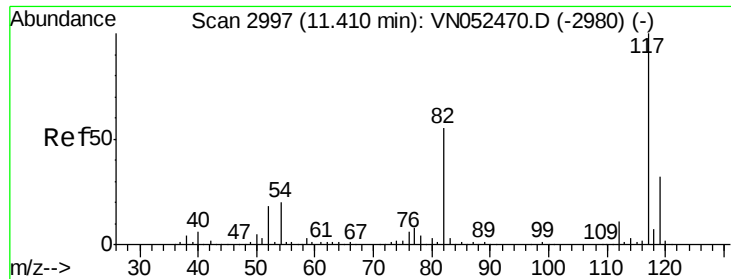
20000

10000

0

Time-->





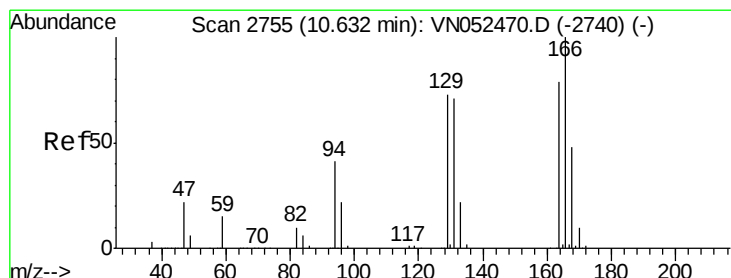
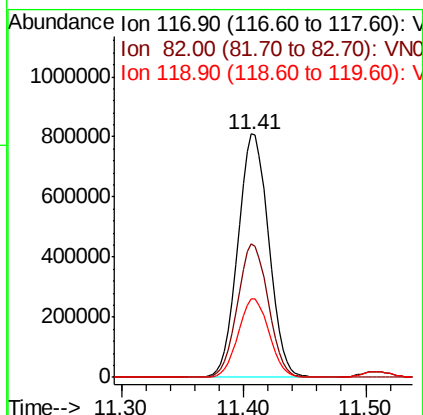
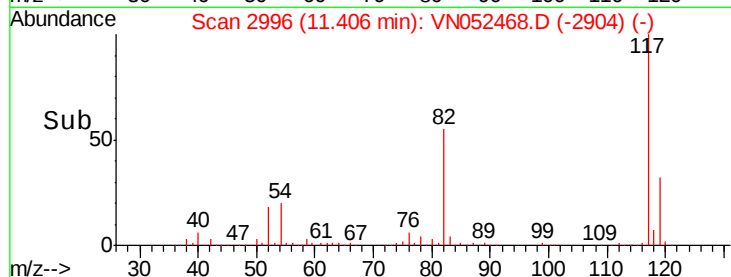
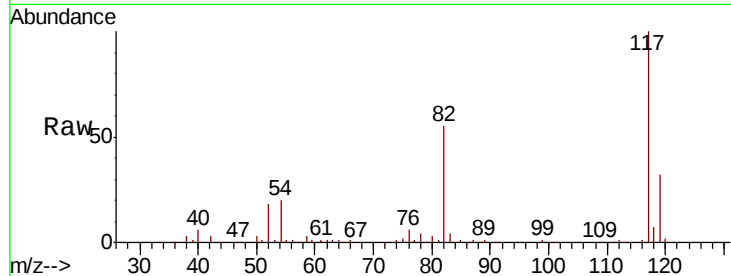
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1408781
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.1 25.4 38.2

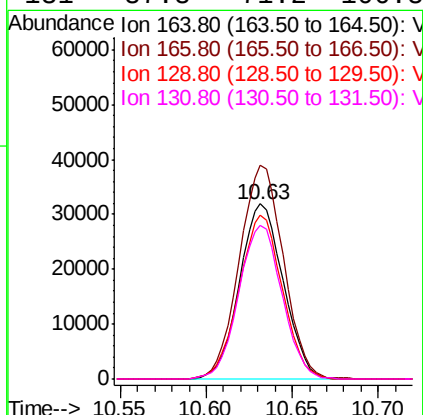
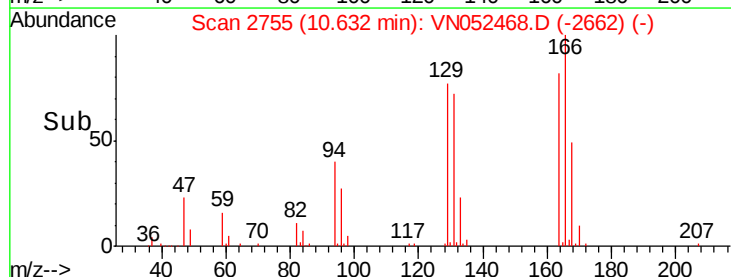
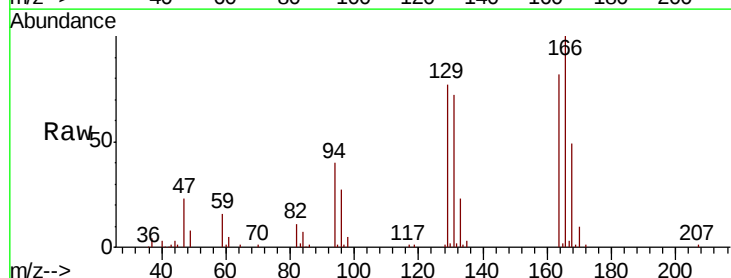
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#64
Tetrachloroethene
Concen: 5.176 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:164 Resp: 56540
Ion Ratio Lower Upper
164 100
166 122.1 101.0 151.4
129 93.7 73.8 110.6
131 87.8 71.2 106.8





#65

Chlorobenzene

Concen: 5.001 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 145260

Ion Ratio Lower Upper

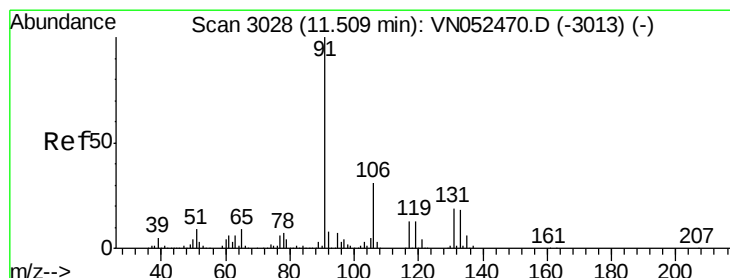
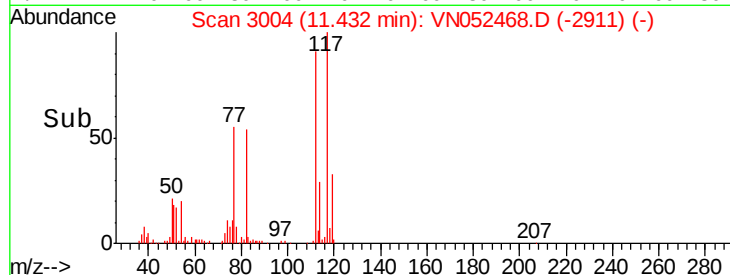
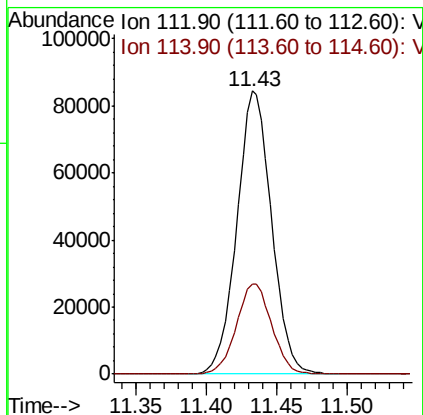
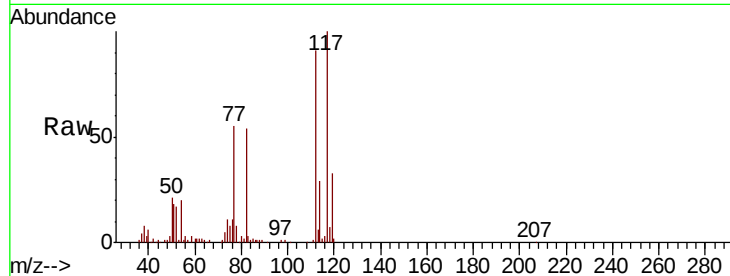
112 100

114 32.0 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 4.949 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

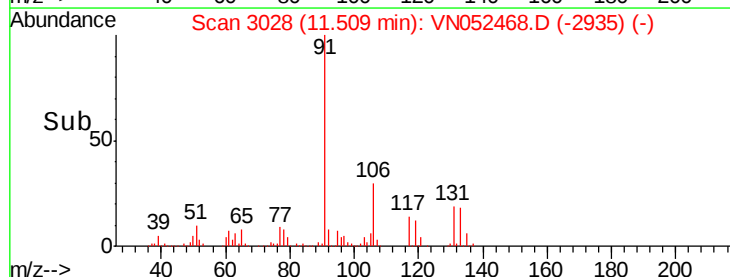
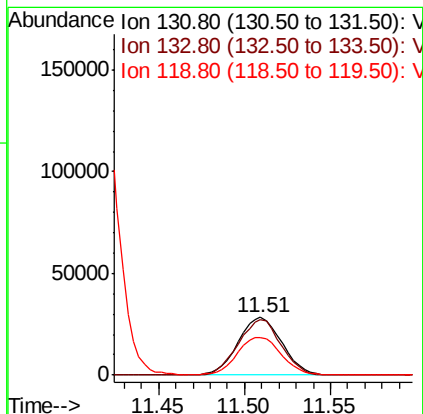
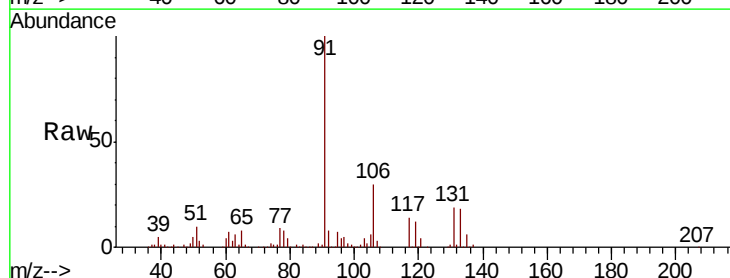
Tgt Ion:131 Resp: 49990

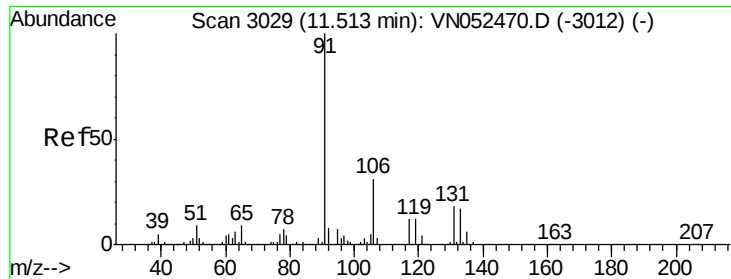
Ion Ratio Lower Upper

131 100

133 94.1 47.6 142.8

119 66.6 33.2 99.6





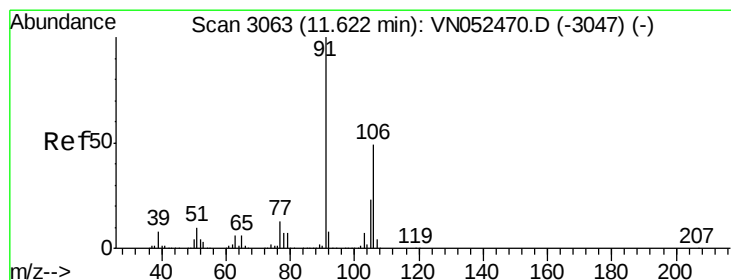
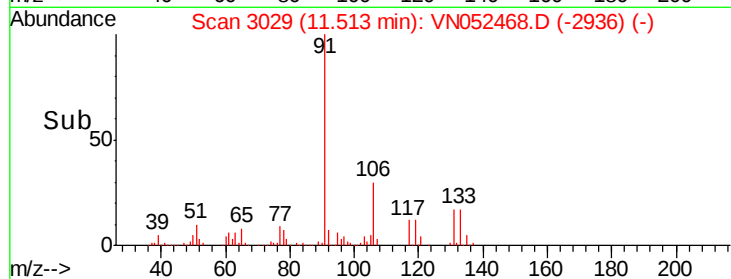
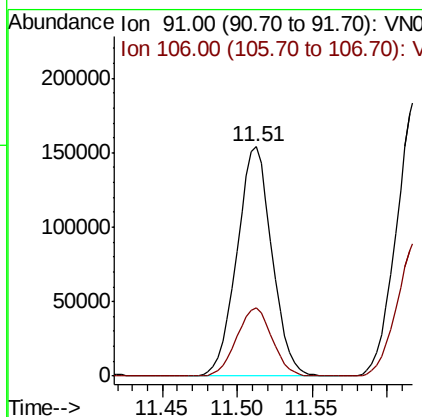
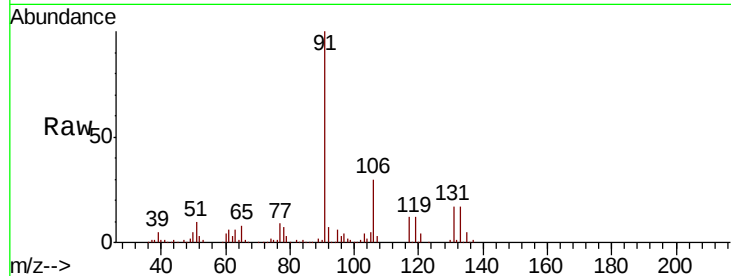
#67
Ethyl Benzene
Concen: 4.933 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 250929
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3

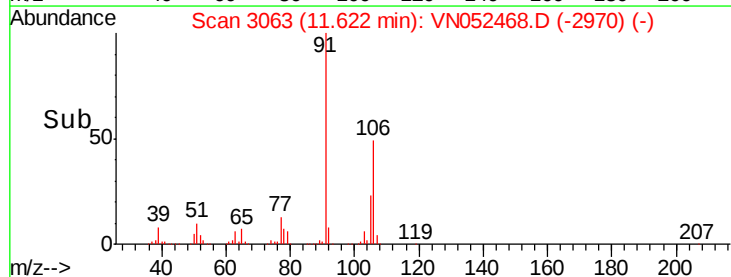
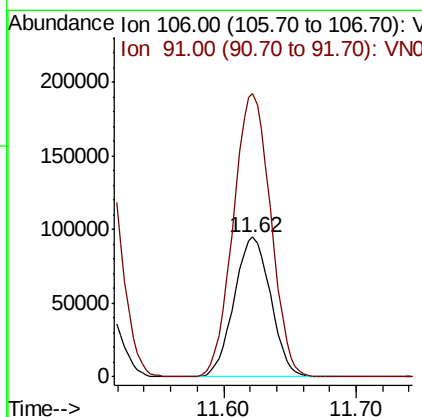
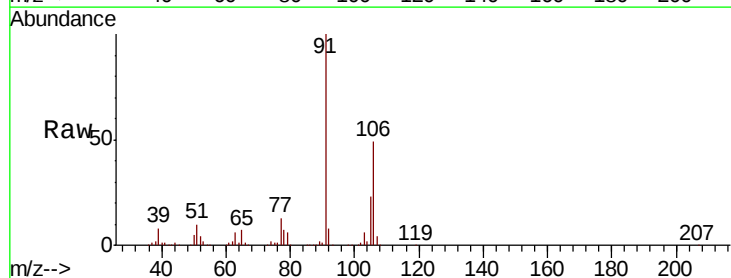
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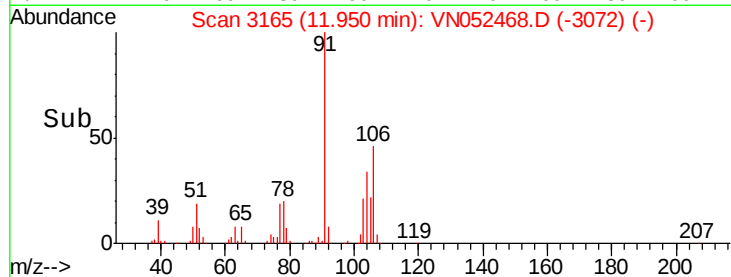
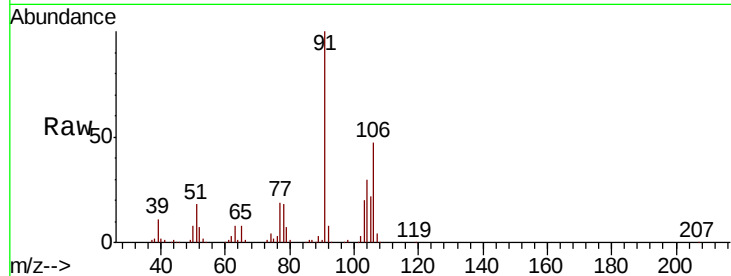
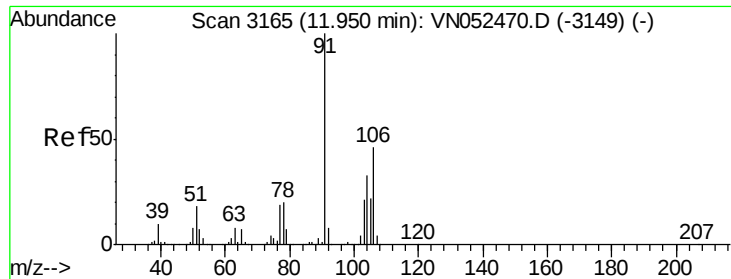
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#68
m/p-Xylenes
Concen: 9.641 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 106 Resp: 182585
Ion Ratio Lower Upper
106 100
91 207.0 163.2 244.8





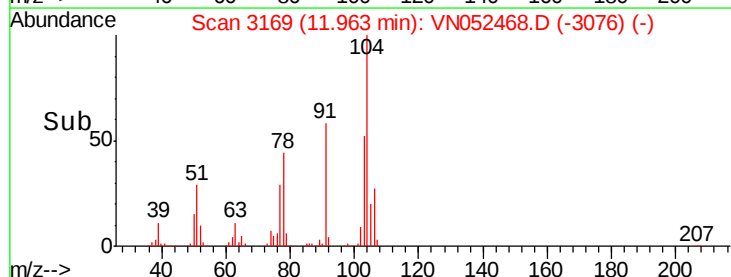
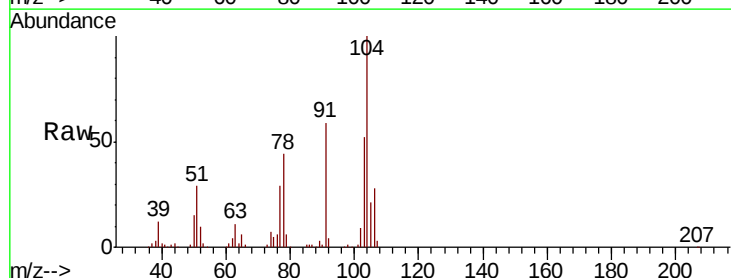
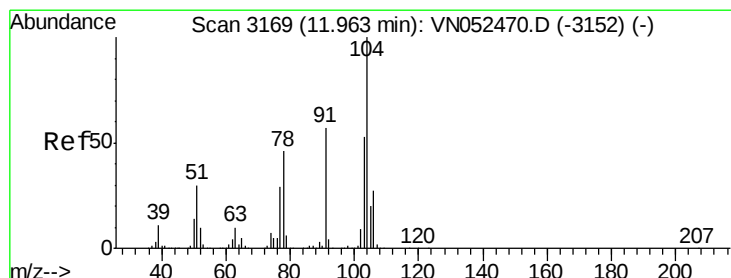
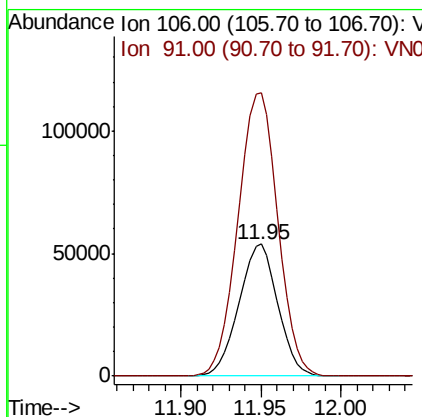
#69
o-Xylene
Concen: 4.830 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:106 Resp: 88823
Ion Ratio Lower Upper
106 100
91 220.7 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

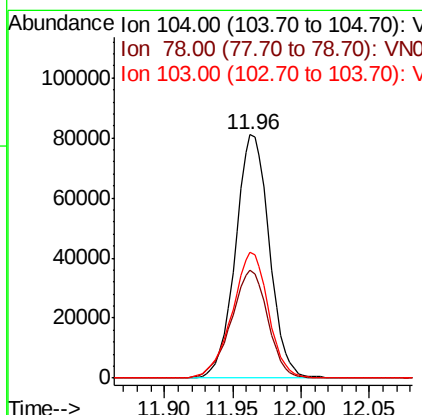
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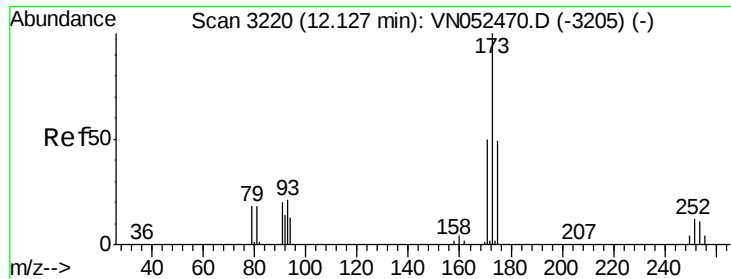
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#70
Styrene
Concen: 4.759 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:104 Resp: 139396
Ion Ratio Lower Upper
104 100
78 48.1 39.4 59.2
103 55.4 44.9 67.3





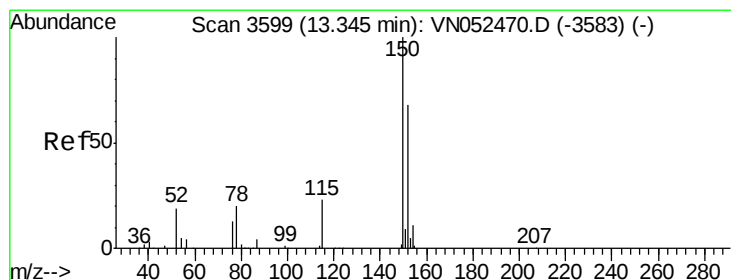
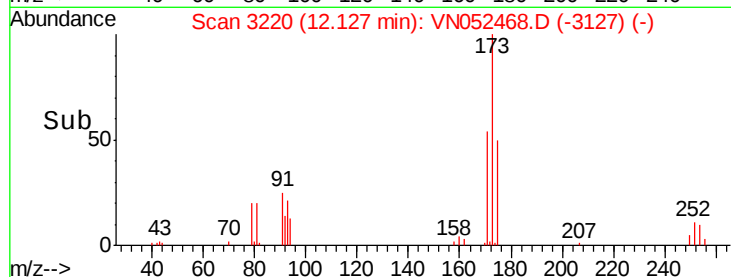
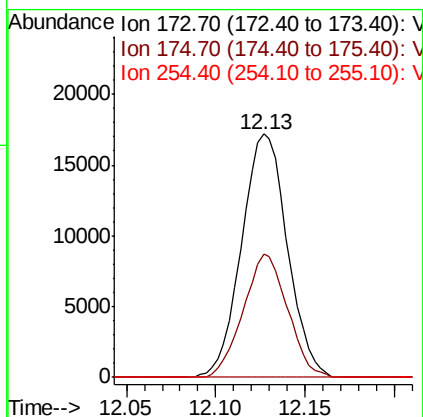
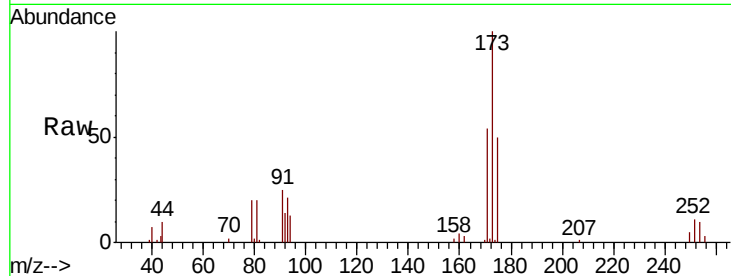
#71
Bromoform
Concen: 4.596 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.1	0.1#

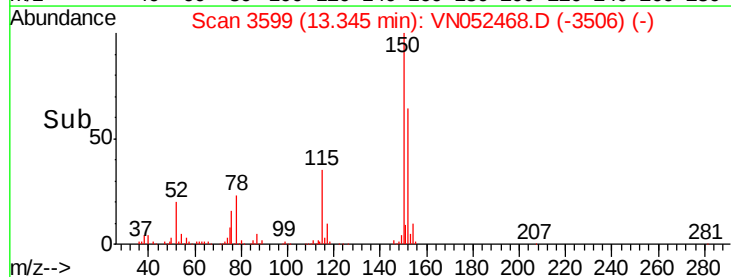
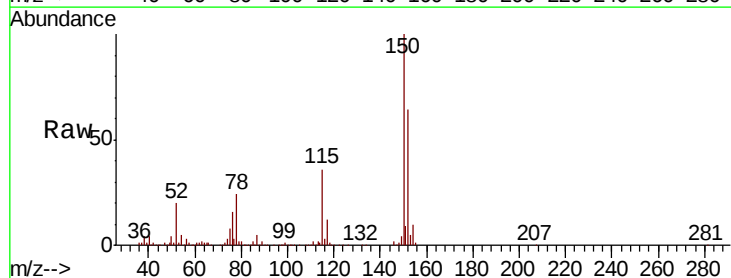
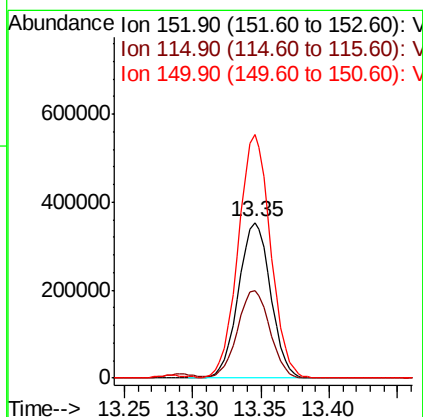
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.2
150	157.3	0.0	346.0





#73

Isopropylbenzene

Concen: 5.202 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 236001

Ion Ratio Lower Upper

105 100

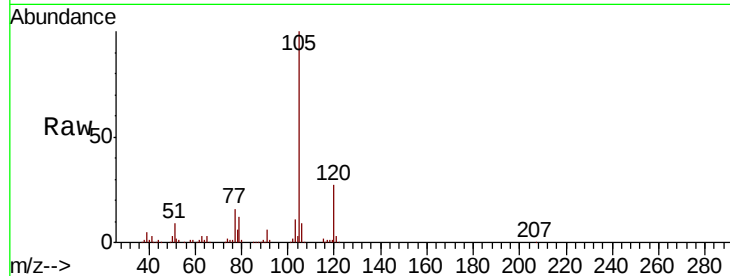
120 26.7 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

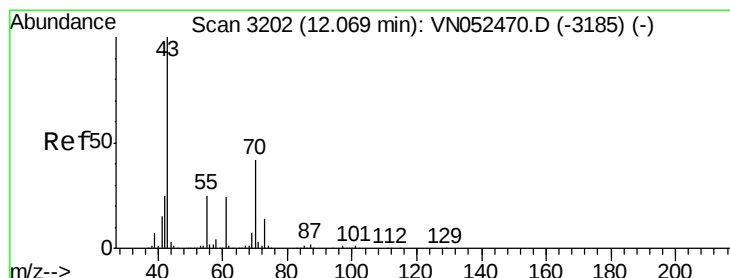
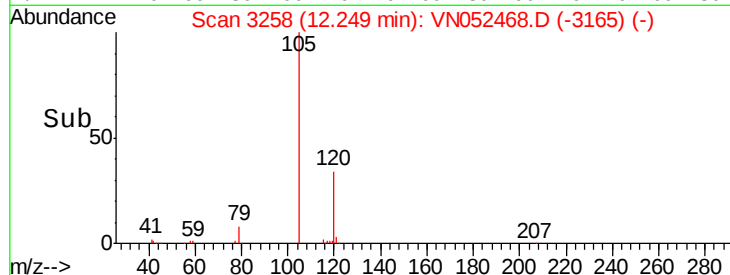
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 4.598 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion: 43 Resp: 52700

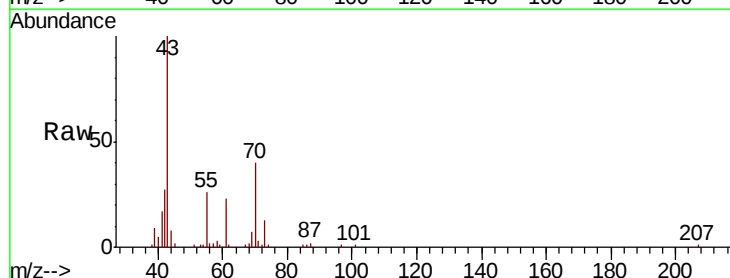
Ion Ratio Lower Upper

43 100

70 43.6 33.8 50.8

55 26.0 20.0 30.0

61 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

50000

40000

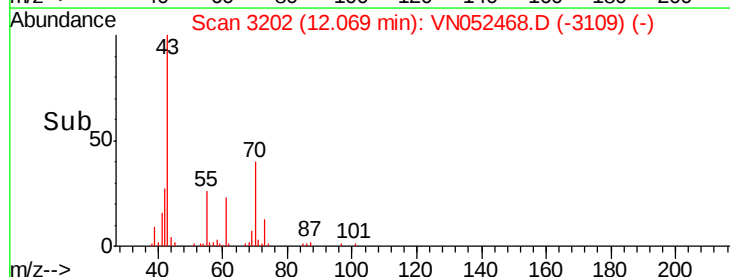
30000

20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.292 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

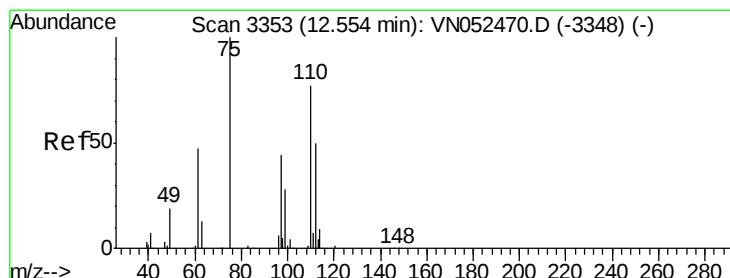
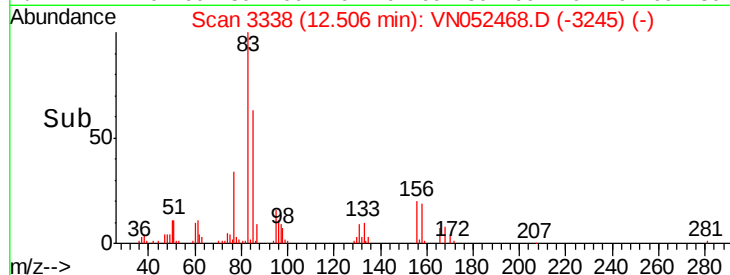
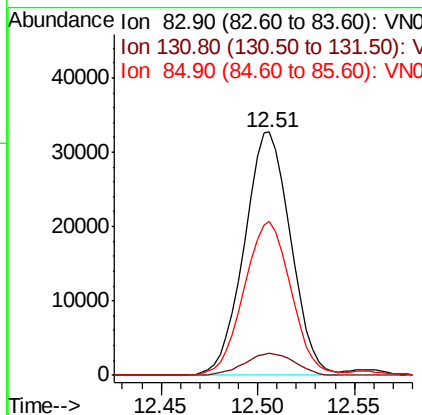
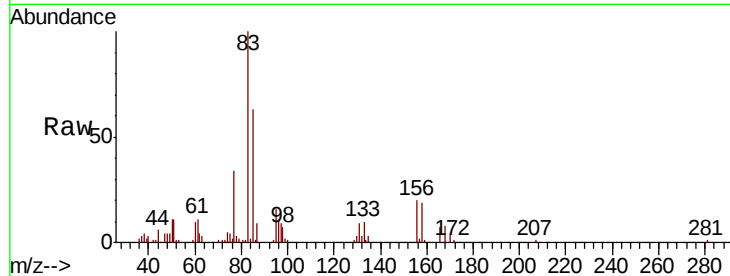
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	54607
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 5.898 ug/l m

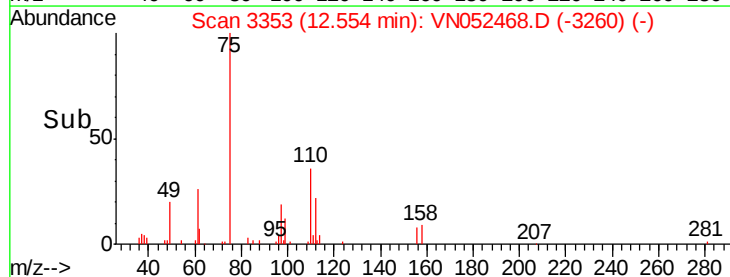
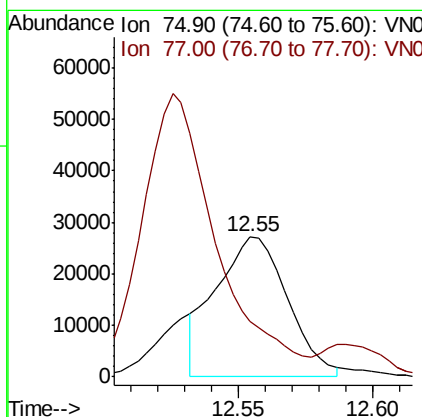
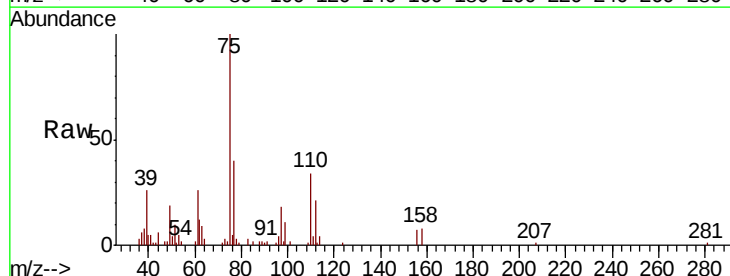
RT: 12.55 min Scan# 3353

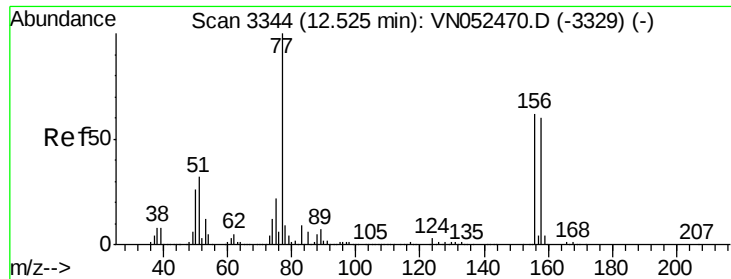
Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	75	Resp:	50584
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





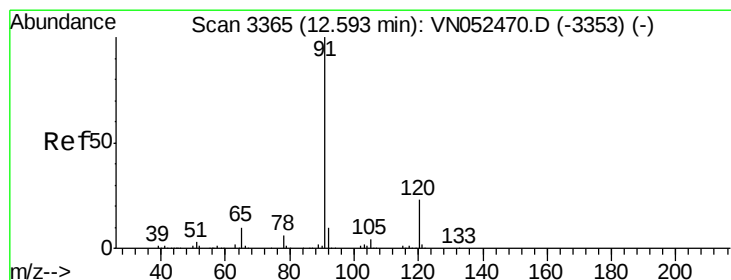
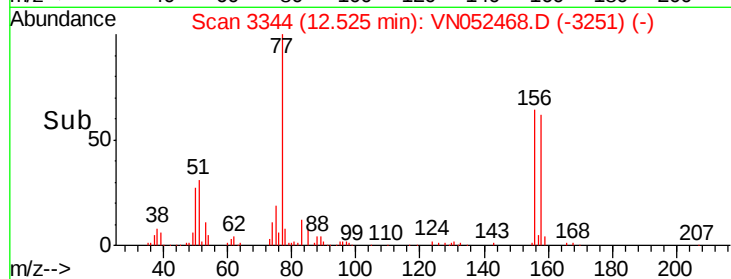
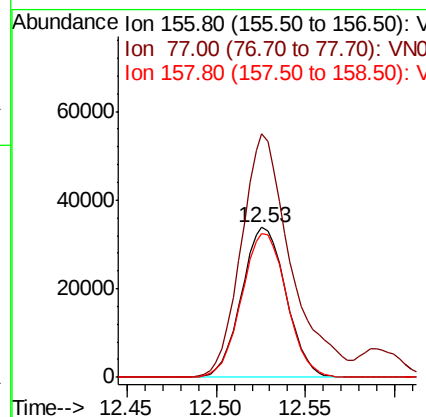
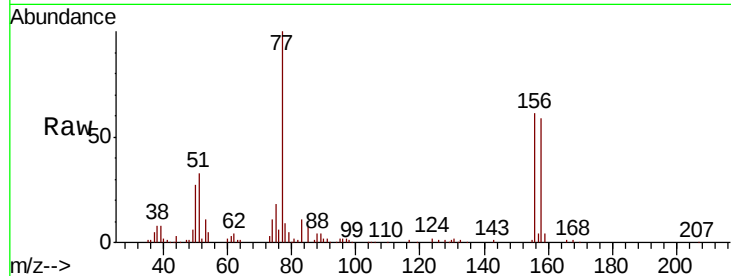
#77
Bromobenzene
Concen: 5.235 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	182.9	93.5	280.4
158	97.3	48.3	144.9

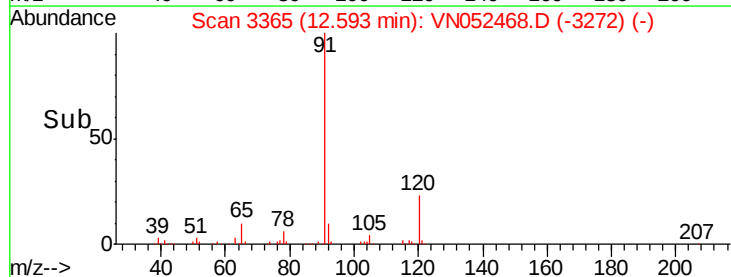
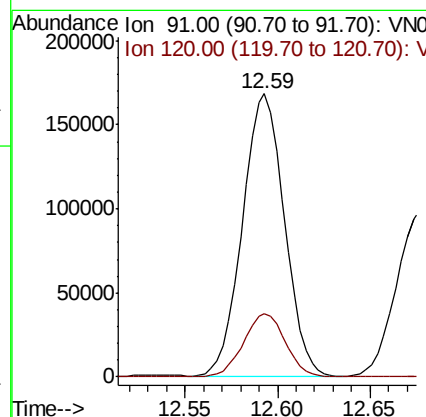
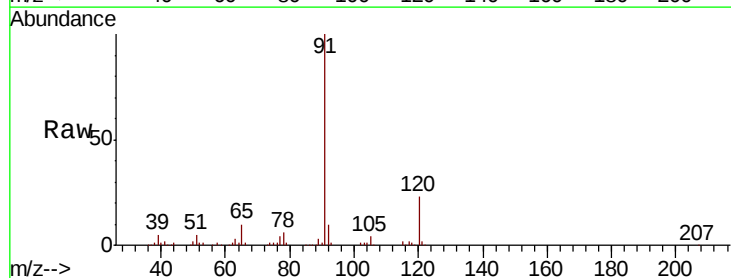
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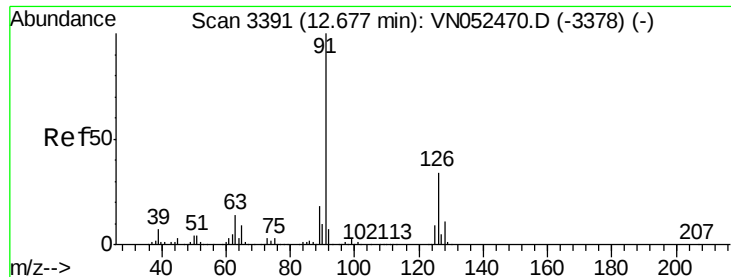
MMDadoda
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#78
n-propylbenzene
Concen: 5.106 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 5.237 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 160732

Ion Ratio Lower Upper

91 100

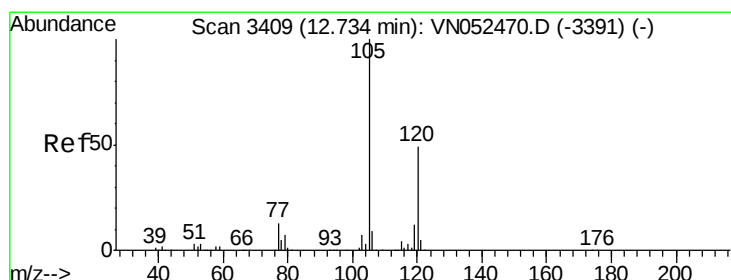
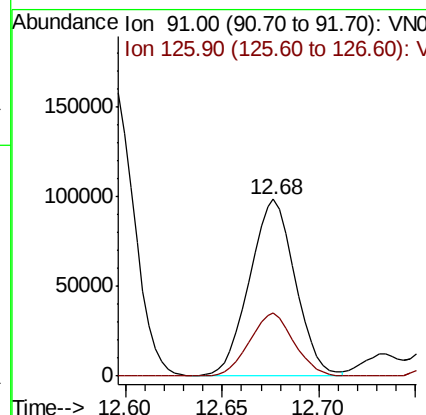
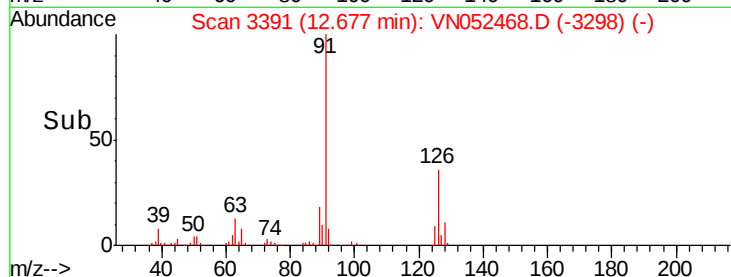
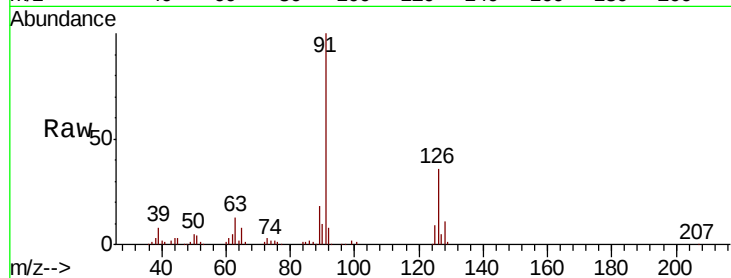
126 34.9 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 5.124 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052468.D

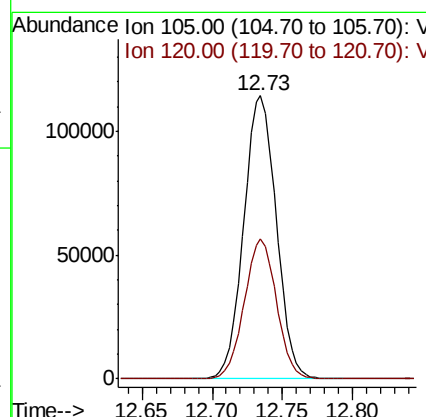
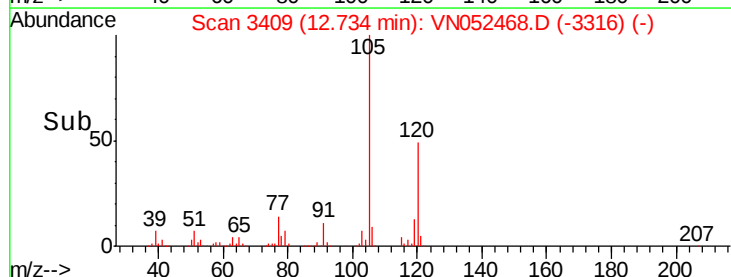
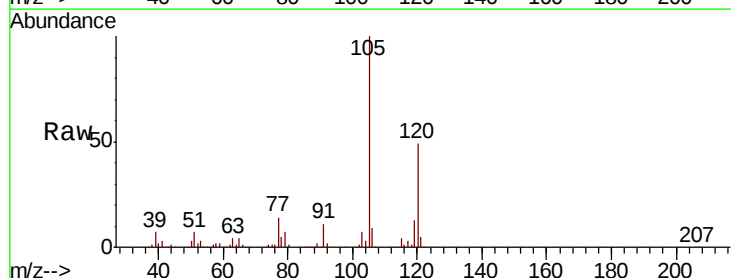
Acq: 27 Nov 2018 9:39

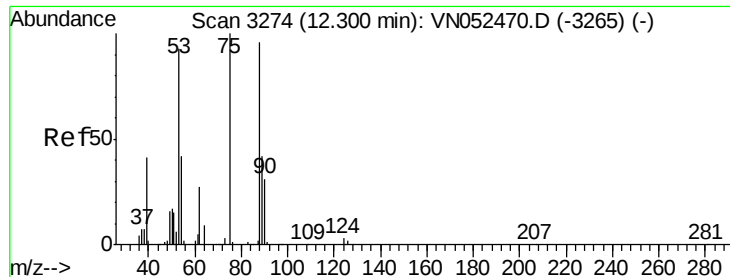
Tgt Ion: 105 Resp: 185394

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

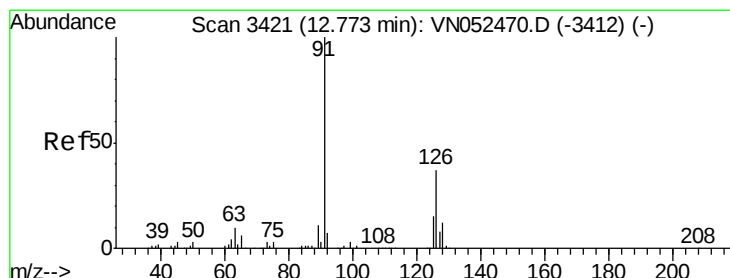
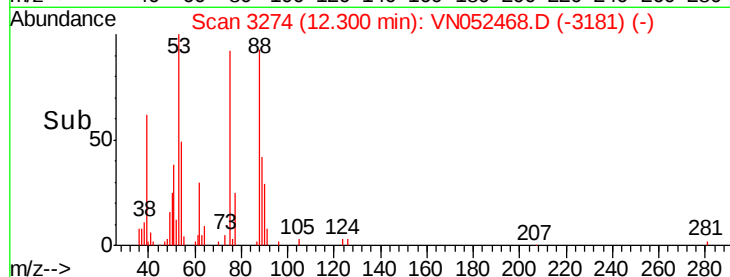
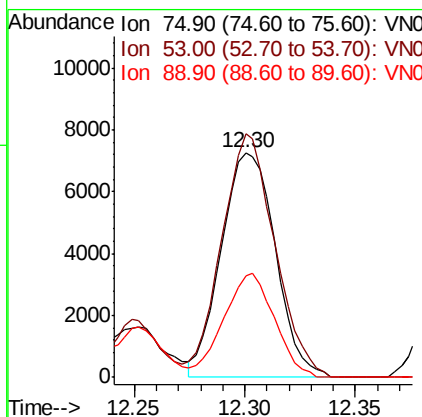
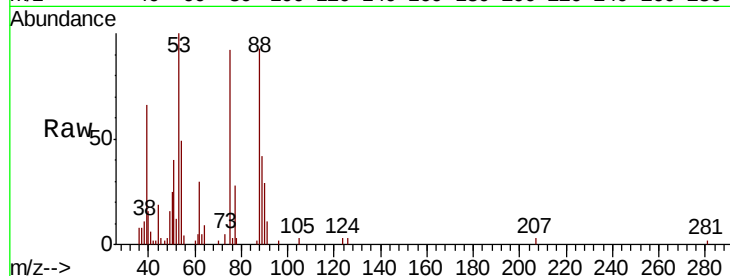
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	12414
Ion Ratio	Lower	Upper	
75	100		
53	106.1	77.4	116.0
89	43.2	35.4	53.2

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#82

4-Chlorotoluene

Concen: 5.174 ug/l

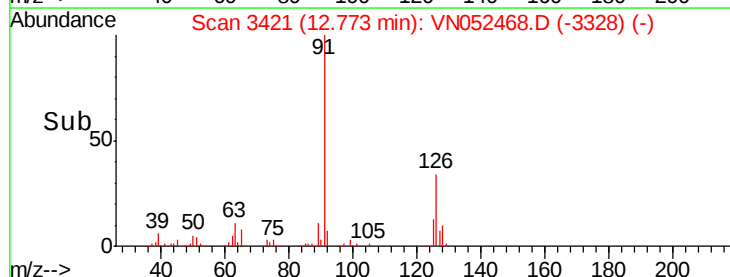
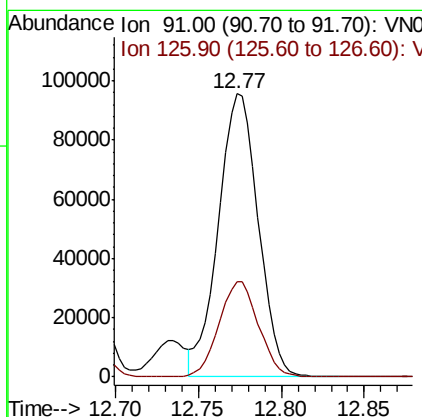
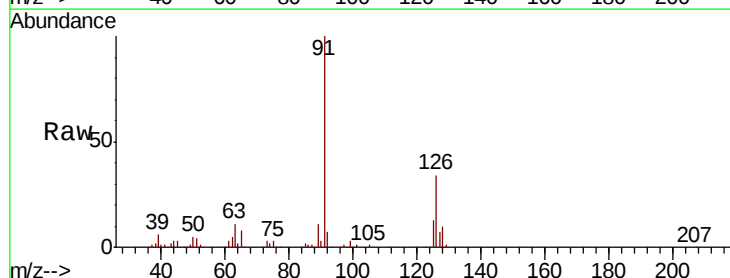
RT: 12.77 min Scan# 3421

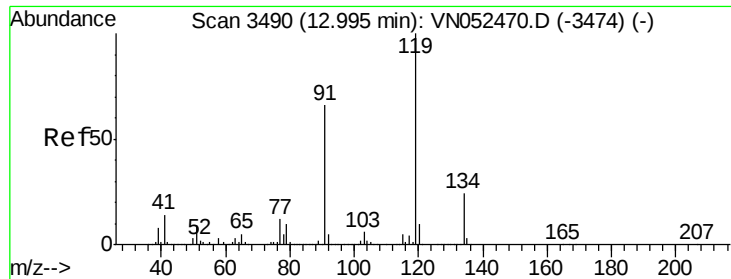
Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	91	Resp:	160030
Ion Ratio	Lower	Upper	
91	100		
126	33.3	16.9	50.6





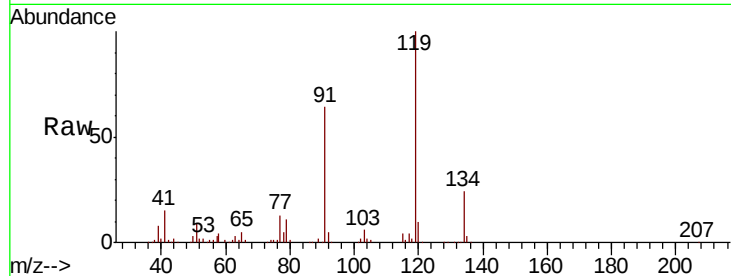
#83
 tert-Butylbenzene
 Concen: 5.295 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

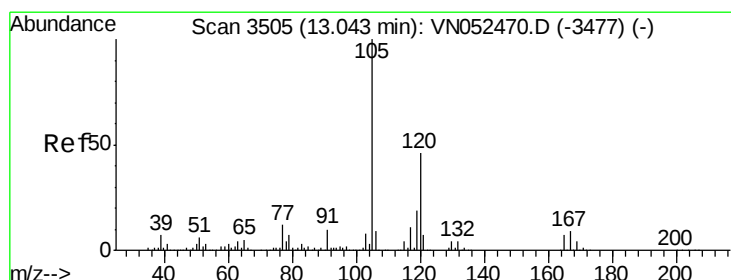
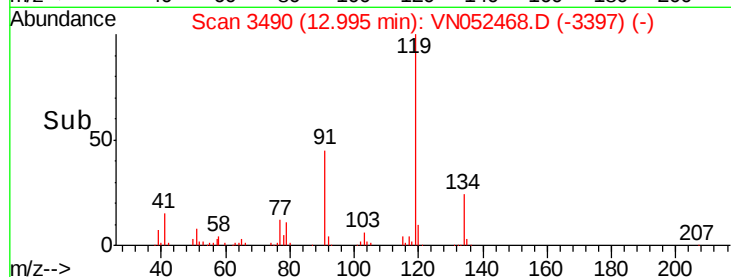
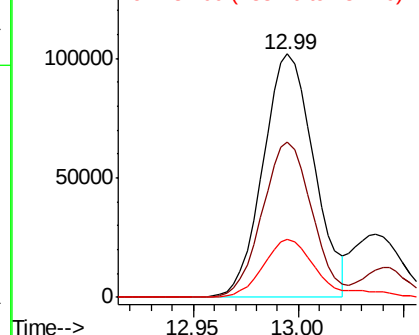
Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.3	96.9
134	25.6	13.0	38.9

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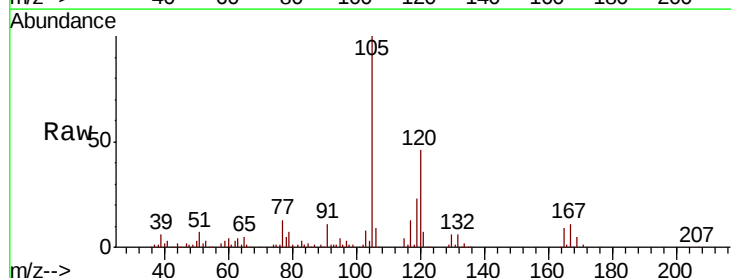


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

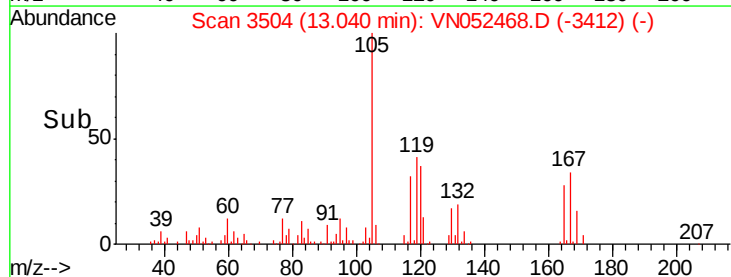
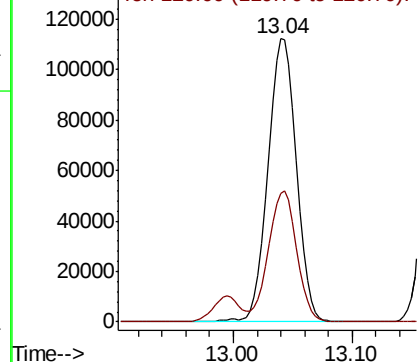


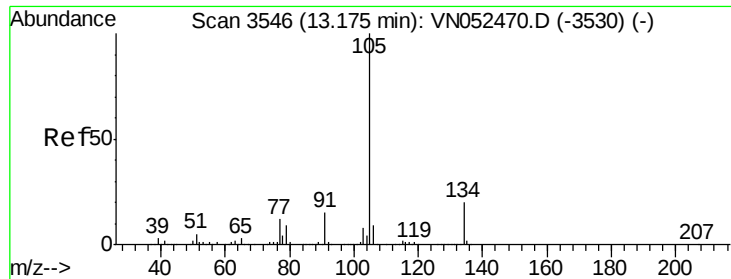
#84
 1,2,4-Trimethylbenzene
 Concen: 5.113 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.8	68.4



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





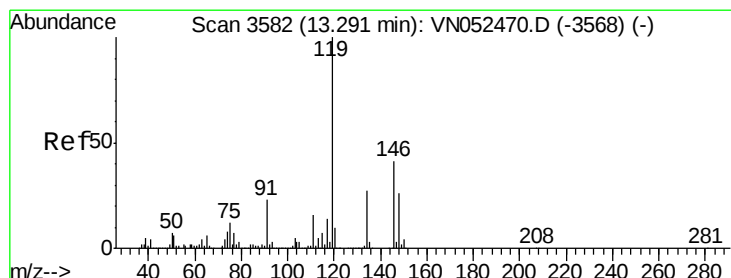
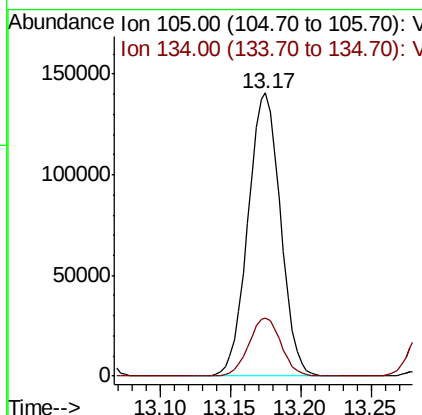
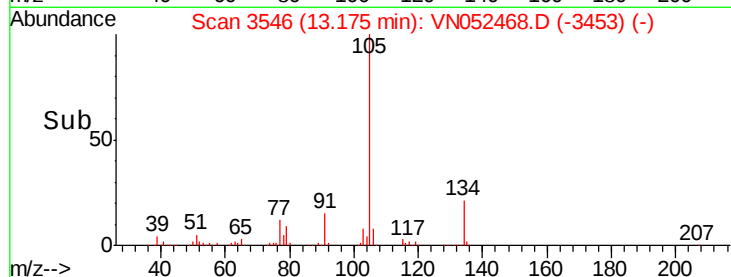
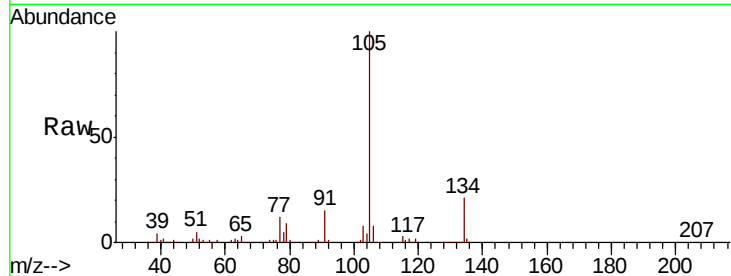
#85
 sec-Butylbenzene
 Concen: 5.180 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227546		
134	20.2	9.9	29.7	

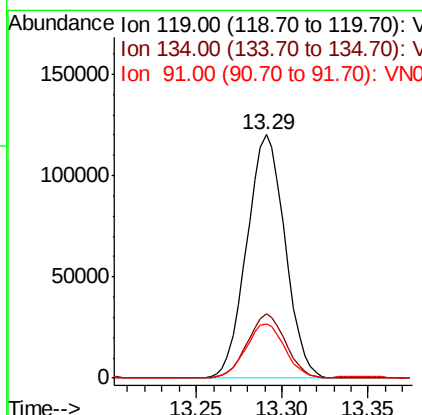
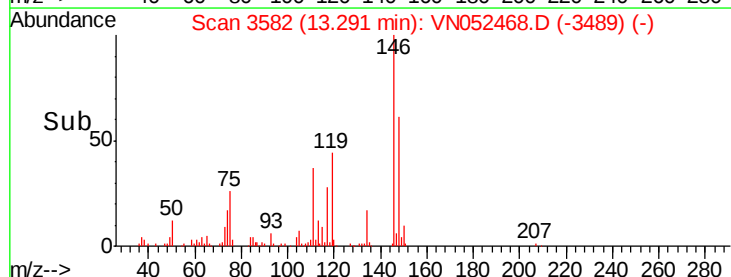
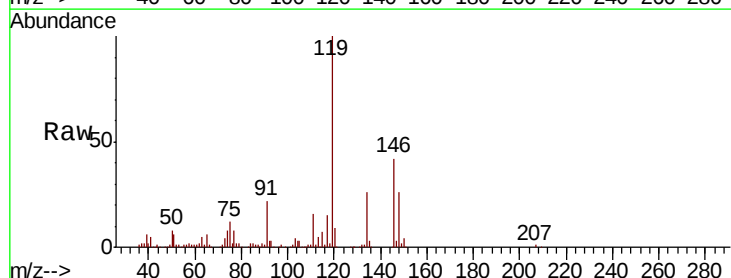
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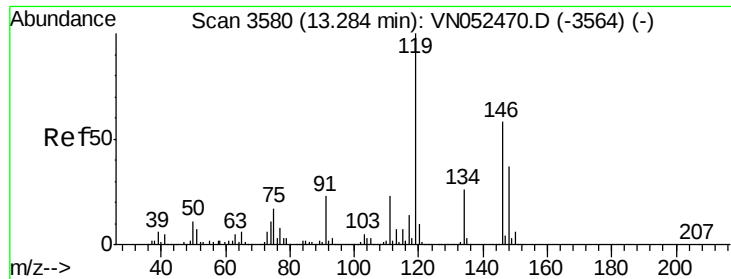
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#86
 p-Isopropyltoluene
 Concen: 4.952 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	185288		
134	26.4	13.4	40.2	
91	22.9	11.4	34.2	





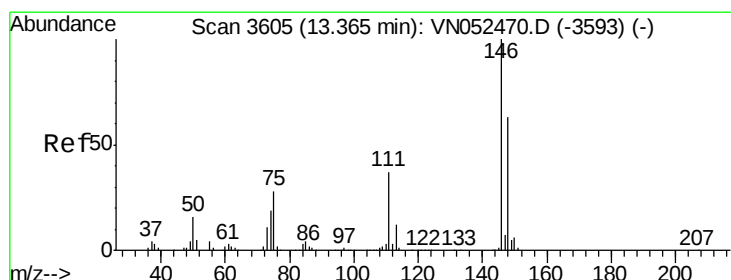
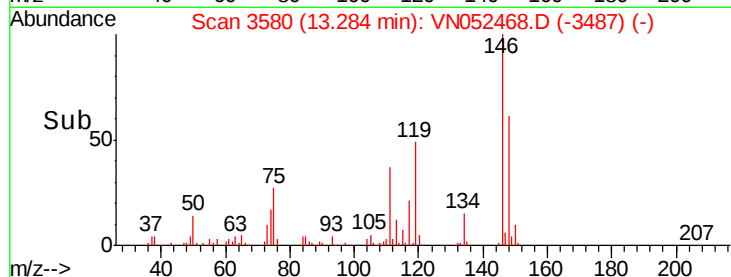
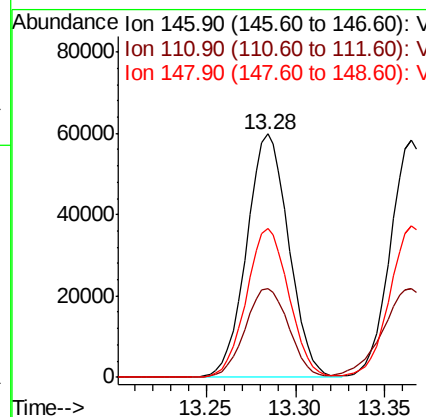
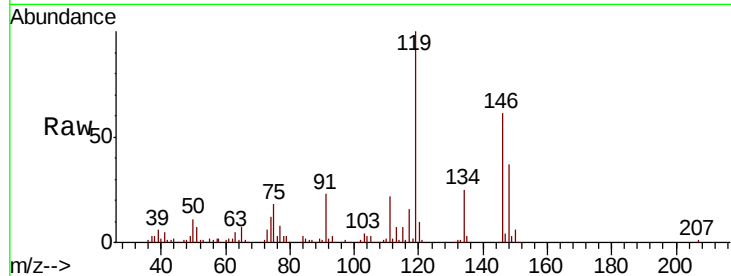
#87
 1,3-Dichlorobenzene
 Concen: 5.037 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.4
148	61.7	31.8	95.4

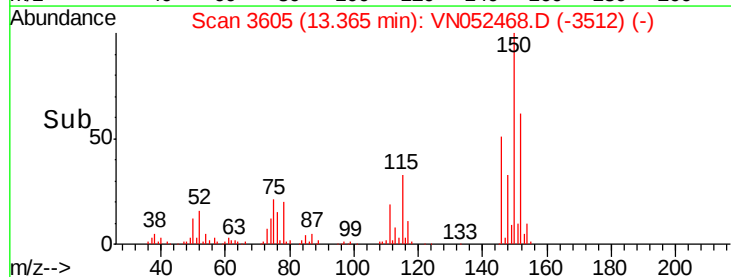
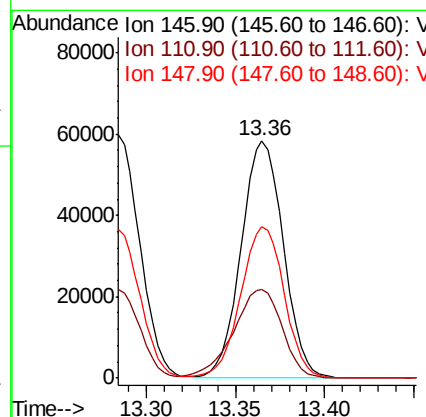
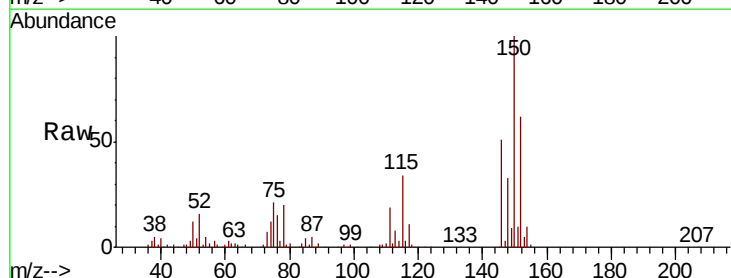
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#88
 1,4-Dichlorobenzene
 Concen: 4.981 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	18.6	56.0
148	65.9	31.9	95.9





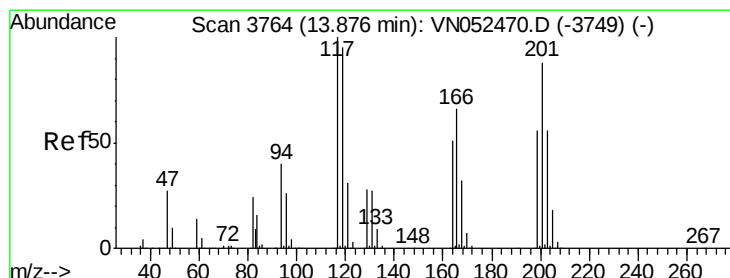
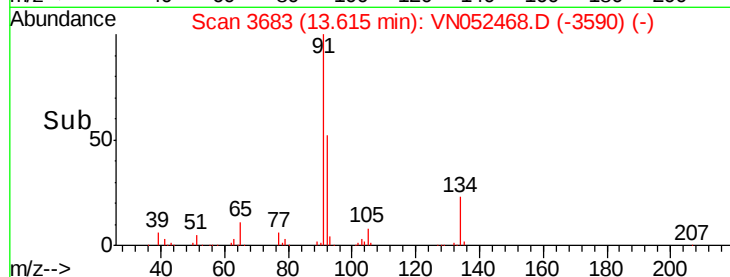
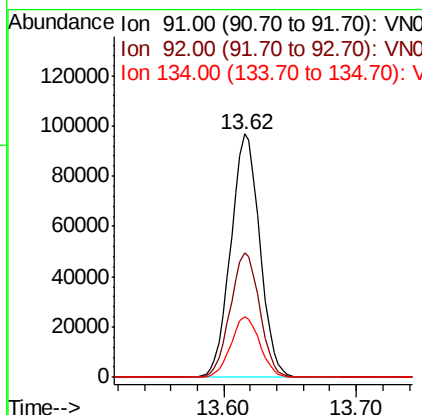
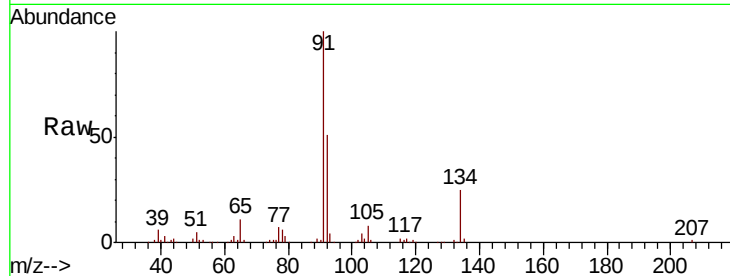
#89
n-Butylbenzene
Concen: 4.729 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	24.8	13.0	38.9

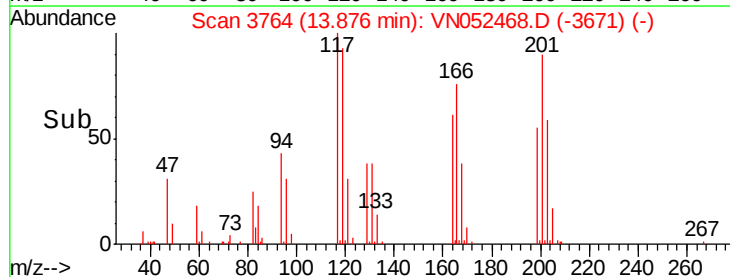
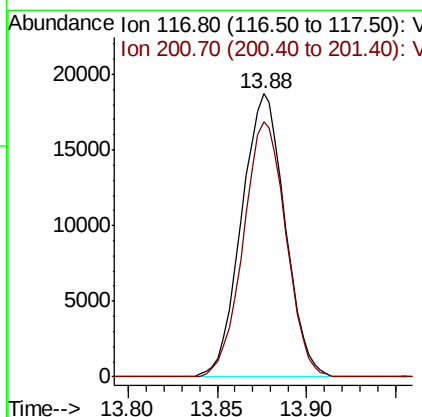
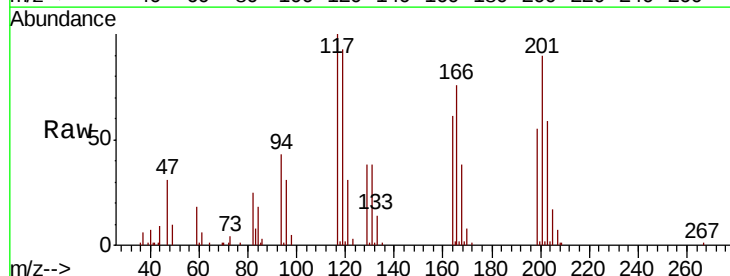
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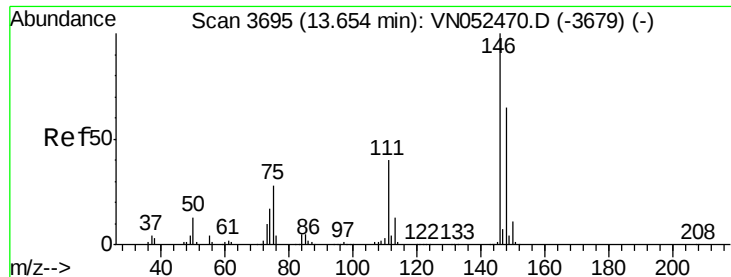
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#90
Hexachloroethane
Concen: 5.031 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.6	130.9





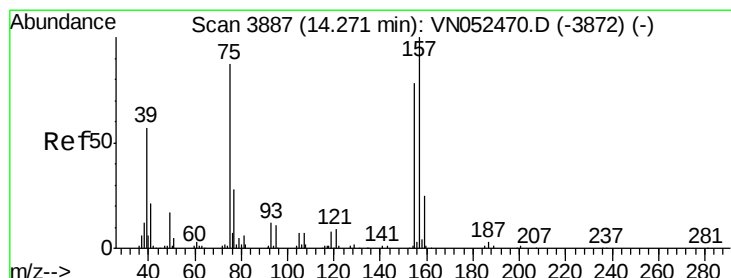
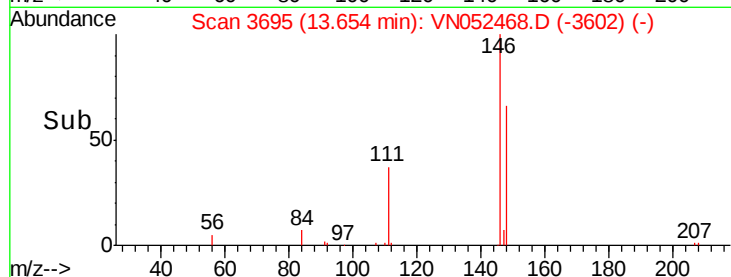
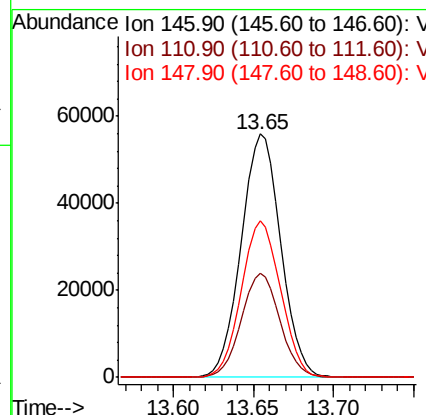
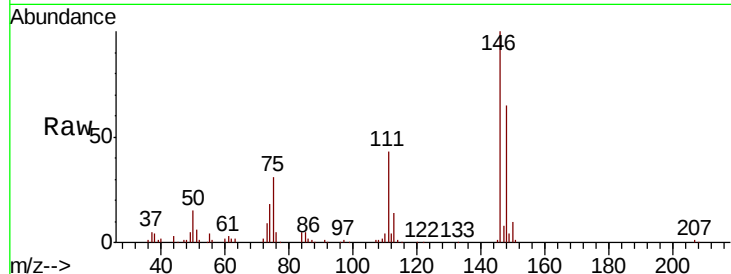
#91
 1,2-Dichlorobenzene
 Concen: 5.035 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	60.0
148	63.6	32.0	96.2

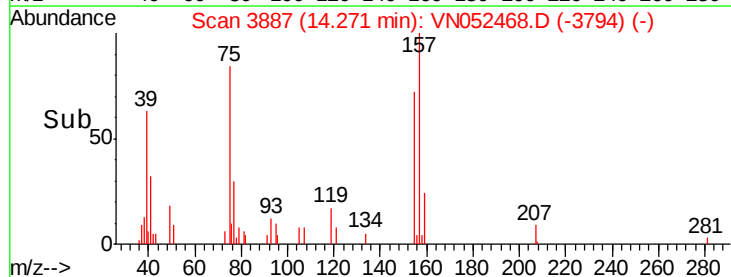
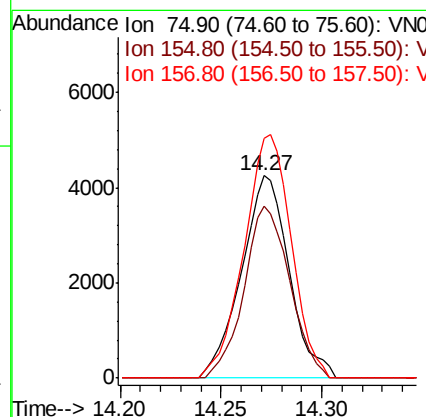
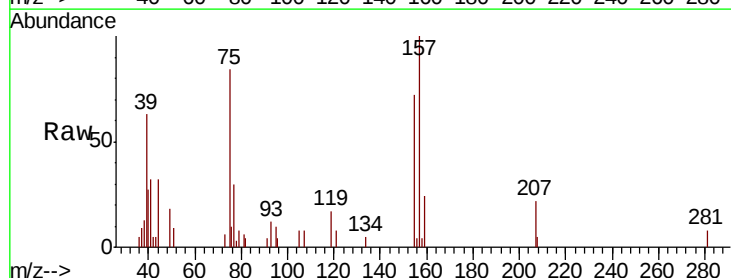
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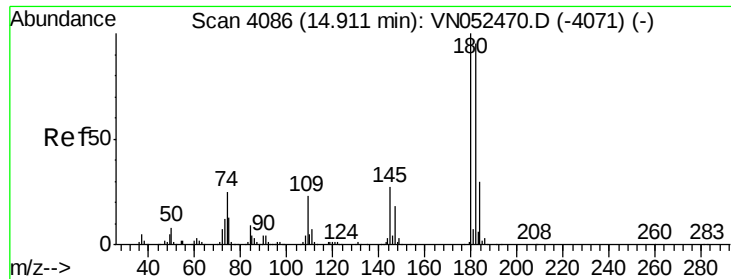
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.773 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	45.3	135.9
157	119.2	58.1	174.2





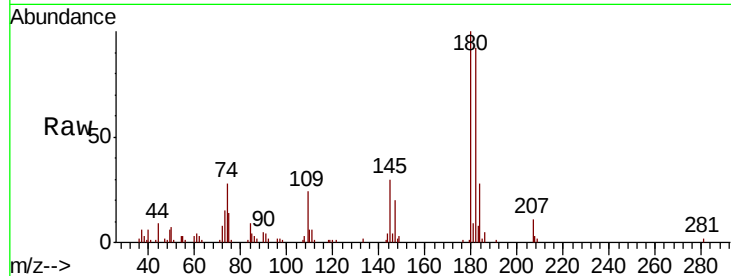
#93
 1,2,4-Trichlorobenzene
 Concen: 3.993 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

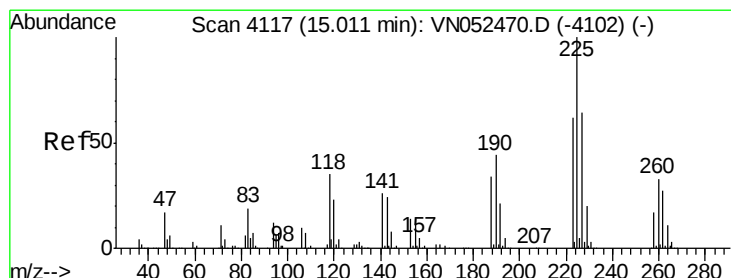
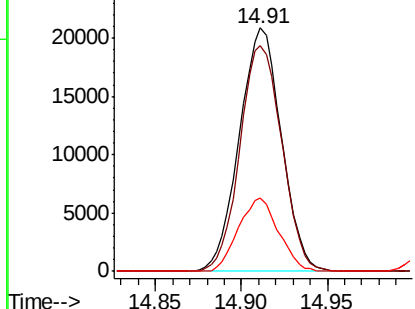
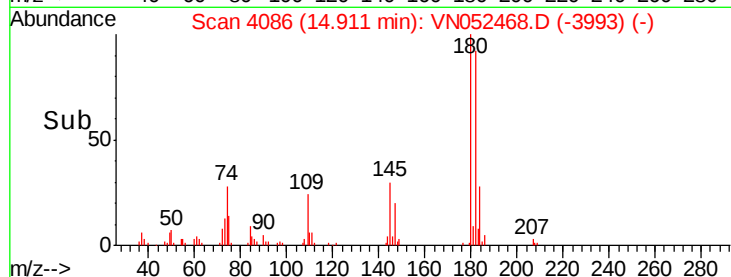
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.4
145	28.6	14.1	42.3

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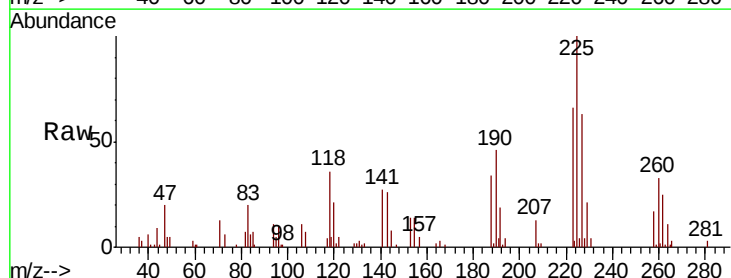


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

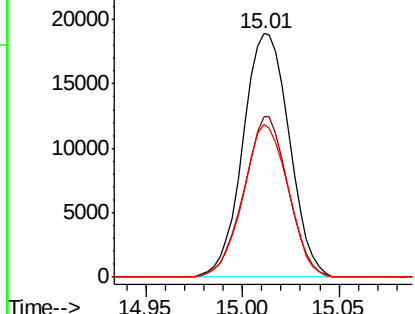
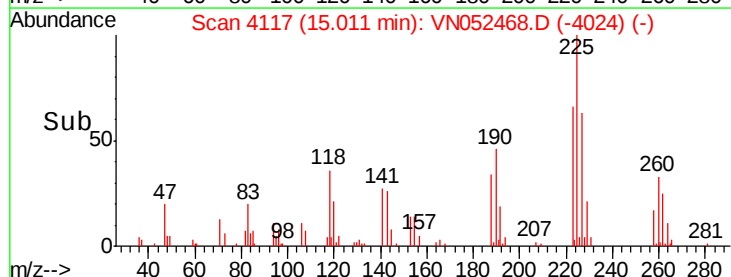


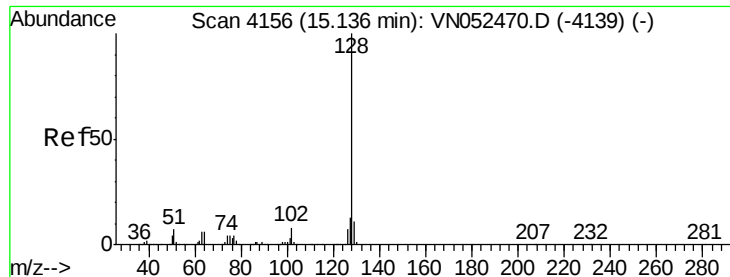
#94
 Hexachlorobutadiene
 Concen: 5.241 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.2
227	61.4	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.710 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

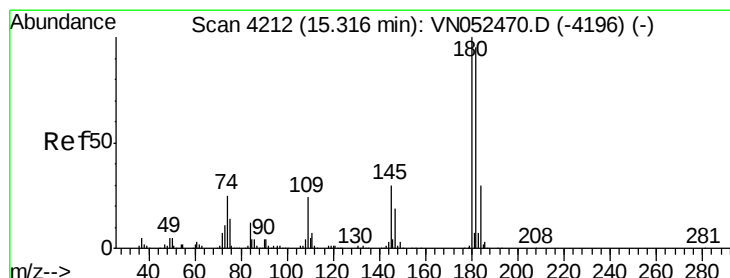
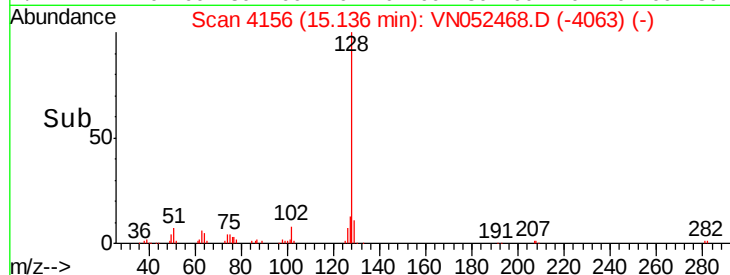
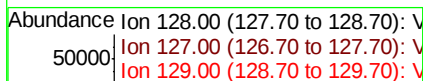
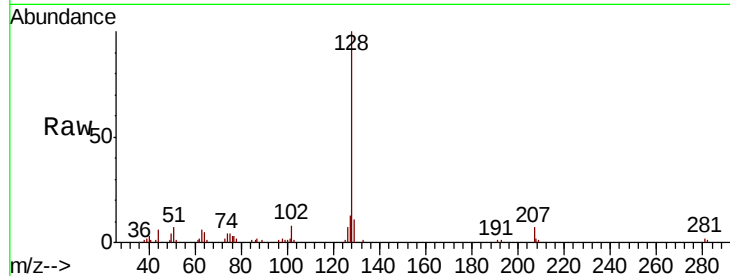
ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	67861
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/28/2018 9:33:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.011 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion:	180	Resp:	33193
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	29.4	15.2	45.5

