

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013019\
 Data File : VN053558.D
 Acq On : 30 Jan 2019 8:53
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:06 AM

Quant Time: Jan 30 10:46:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 30 09:11:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	710891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1099607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	941054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5879	1.029	ug/l	88
3) Chloromethane	2.06	50	7754	0.949	ug/l	100
4) Vinyl Chloride	2.18	62	7654	0.972	ug/l	95
5) Bromomethane	2.58	94	5596	1.035	ug/l	86
6) Chloroethane	2.71	64	4581	0.962	ug/l	95
7) Trichlorofluoromethane	3.02	101	11216	1.089	ug/l	99
8) Diethyl Ether	3.41	74	3936	1.017	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7305	1.119	ug/l	93
12) 1,1-Dichloroethene	3.74	96	6401	1.011	ug/l	98
14) Allyl chloride	4.32	41	9985	0.971	ug/l	96
15) Acrylonitrile	5.00	53	9671	4.274	ug/l	97
16) Acetone	3.82	43	10727	6.507	ug/l	95
17) Carbon Disulfide	4.06	76	20460	1.069	ug/l	99
18) Methyl Acetate	4.34	43	6046m	1.089	ug/l	
19) Methyl tert-butyl Ether	5.05	73	14572	0.867	ug/l	93
20) Methylene Chloride	4.55	84	8771	1.165	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	6859	1.014	ug/l	90
22) Diisopropyl ether	5.95	45	17046	0.794	ug/l #	80
23) Vinyl Acetate	5.90	43	54829	4.156	ug/l	96
24) 1,1-Dichloroethane	5.85	63	13066	1.030	ug/l #	85
25) 2-Butanone	6.84	43	12253	4.823	ug/l	91
26) 2,2-Dichloropropane	6.83	77	9986	1.042	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	7426	0.960	ug/l	85
28) Bromochloromethane	7.20	49	5838	1.044	ug/l #	98
29) Tetrahydrofuran	7.21	42	7456	4.508	ug/l	98
30) Chloroform	7.37	83	13484	1.091	ug/l	100
31) Cyclohexane	7.66	56	20066	1.437	ug/l #	15
32) 1,1,1-Trichloroethane	7.57	97	10371	0.989	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	9194	0.918	ug/l	82
37) Ethyl Acetate	6.94	43	4062m	0.705	ug/l	
38) Carbon Tetrachloride	7.78	117	9465	0.998	ug/l	95
39) Methylcyclohexane	9.08	83	10676	0.863	ug/l	99
40) Benzene	8.04	78	29796	0.979	ug/l	99
41) Methacrylonitrile	7.17	41	2819m	0.905	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.12	62	9080	1.024	ug/l	88
43) Isopropyl Acetate	8.17	43	10516	1.015	ug/l #	75
44) Trichloroethene	8.84	130	8939	1.059	ug/l	94
45) 1,2-Dichloropropane	9.12	63	7337	0.910	ug/l	99
46) Dibromomethane	9.21	93	4891	1.056	ug/l	96
47) Bromodichloromethane	9.40	83	9593	0.985	ug/l	97
48) Methyl methacrylate	9.20	41	5084	0.950	ug/l	89
49) 1,4-Dioxane	9.20	88	622	11.907	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	21365	3.778	ug/l	96
52) Toluene	10.16	92	16150	0.855	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	8550	0.866	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	10817	0.935	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	6075	0.933	ug/l	98
56) Ethyl methacrylate	10.43	69	6157	0.742	ug/l	95
57) 1,3-Dichloropropane	10.71	76	10661	0.946	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	15738	3.454	ug/l	94
59) 2-Hexanone	10.75	43	15782	3.975	ug/l	90
60) Dibromochloromethane	10.90	129	6493	0.879	ug/l	99
61) 1,2-Dibromoethane	11.00	107	6174	0.937	ug/l	93
64) Tetrachloroethene	10.63	164	8560	0.965	ug/l	92
65) Chlorobenzene	11.43	112	20276	1.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	6701	0.967	ug/l #	64
67) Ethyl Benzene	11.51	91	31073	0.915	ug/l	99
68) m/p-Xylenes	11.62	106	22378	1.746	ug/l	97
69) o-Xylene	11.95	106	10864	0.872	ug/l	97
70) Styrene	11.96	104	16796	0.831	ug/l	97
71) Bromoform	12.12	173	3984	0.835	ug/l #	100
73) Isopropylbenzene	12.25	105	27884	0.915	ug/l	99
74) N-amyl acetate	12.07	43	6020	0.741	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	7414	1.160	ug/l #	92
76) 1,2,3-Trichloropropane	12.55	75	5612m	1.024	ug/l	
77) Bromobenzene	12.53	156	7734	0.963	ug/l	99
78) n-propylbenzene	12.59	91	31378	0.897	ug/l	98
79) 2-Chlorotoluene	12.67	91	19824	0.956	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	21152	0.853	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1686	0.882	ug/l	88
82) 4-Chlorotoluene	12.77	91	19741	0.934	ug/l	100
83) tert-Butylbenzene	12.99	119	20023	0.915	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	20774	0.831	ug/l	97
85) sec-Butylbenzene	13.17	105	26234	0.874	ug/l	100
86) p-Isopropyltoluene	13.29	119	22260	0.854	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	14640	1.037	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	14642m	1.034	ug/l	
89) n-Butylbenzene	13.62	91	19933	0.897	ug/l	99
90) Hexachloroethane	13.88	117	4196	1.026	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	13468	1.037	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	964	1.190	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	6498	1.297	ug/l	98
94) Hexachlorobutadiene	15.01	225	5077	1.253	ug/l	96
95) Naphthalene	15.13	128	10479	1.268	ug/l	97

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ClientSampleId :
VSTDICC001

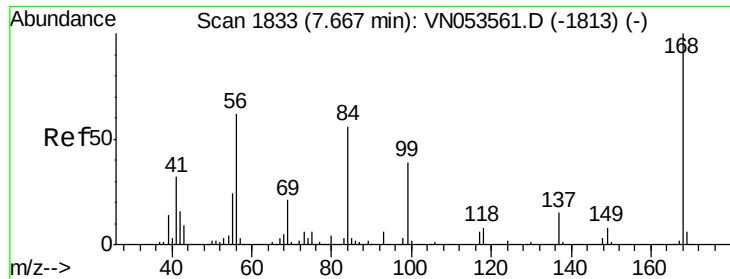
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	6255	1.759	ug/l	95

(#) = 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: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 168 Resp: 710891

Ion Ratio Lower Upper

168 100

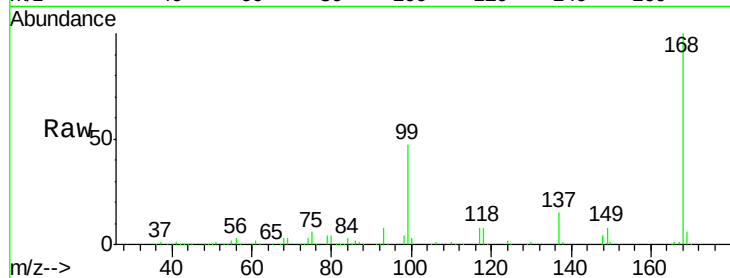
99 46.8 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

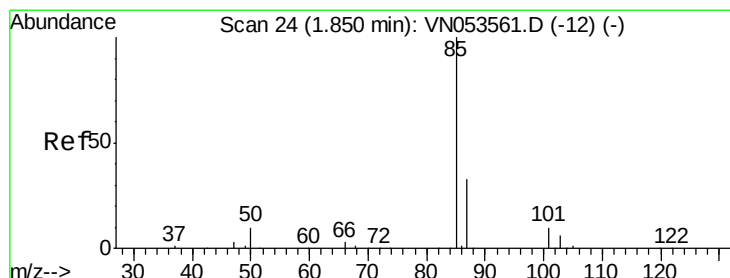
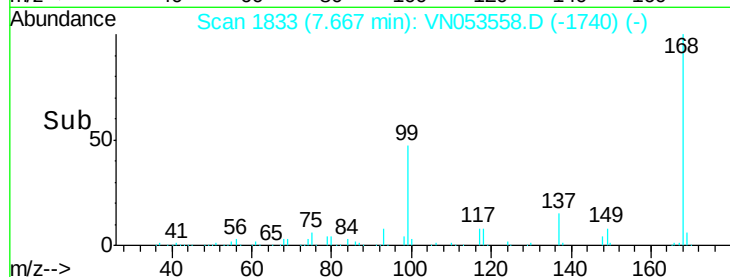
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.029 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053558.D

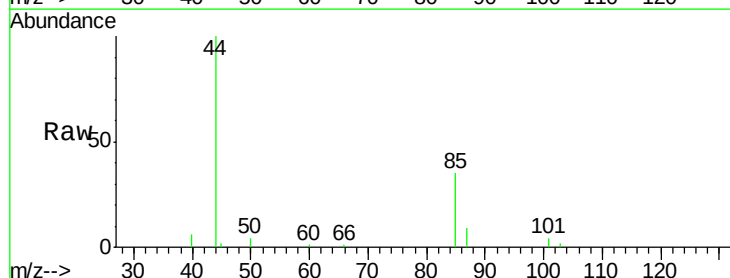
Acq: 30 Jan 2019 8:53

Tgt Ion: 85 Resp: 5879

Ion Ratio Lower Upper

85 100

87 25.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

5000

4000

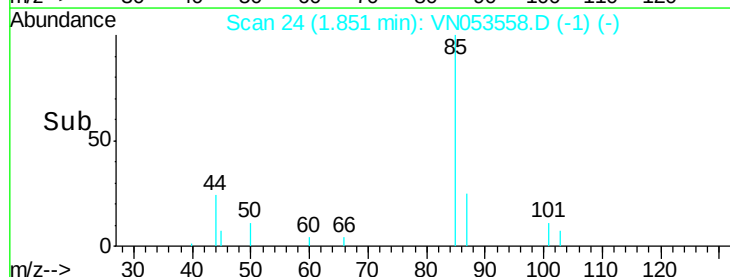
3000

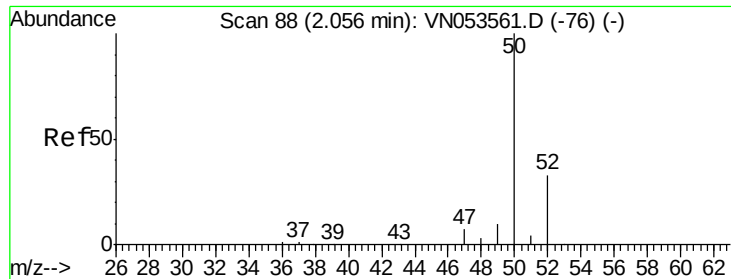
2000

1000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 0.949 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 50 Resp: 7754

Ion Ratio Lower Upper

50 100

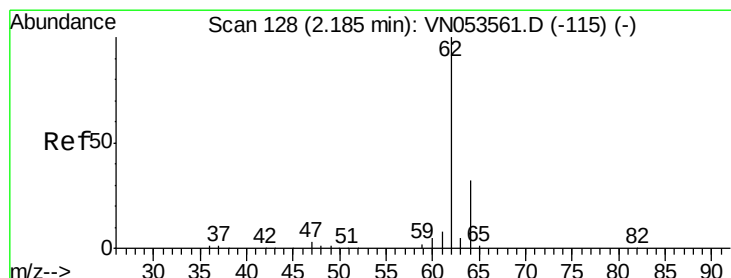
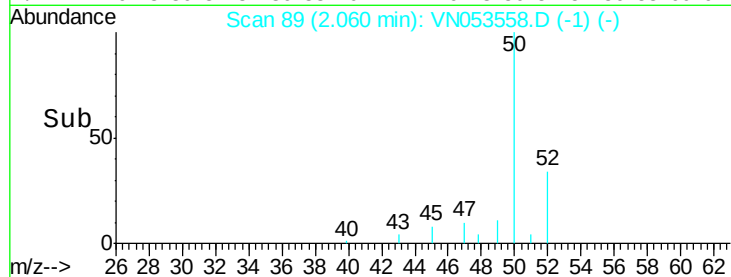
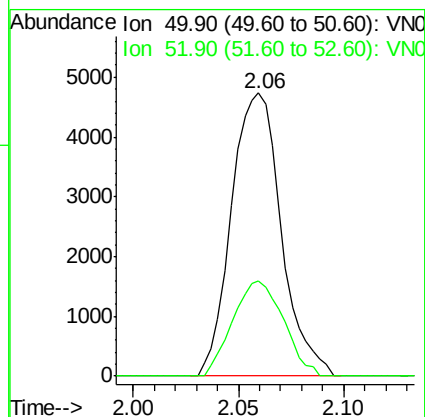
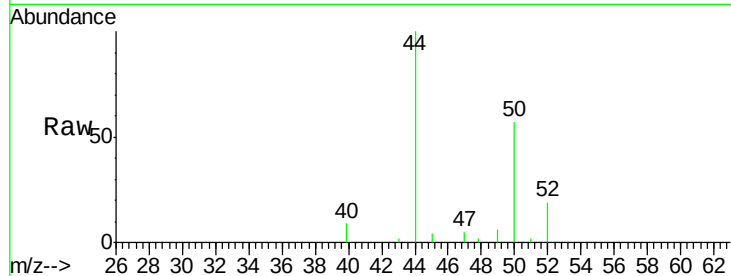
52 33.6 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.972 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053558.D

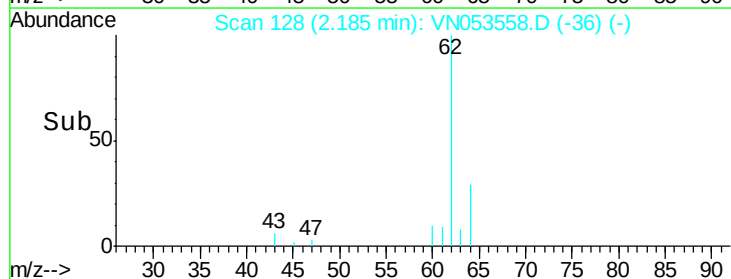
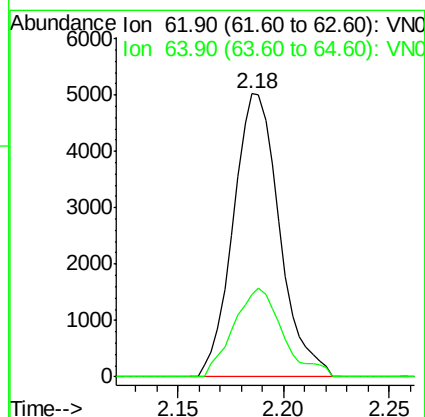
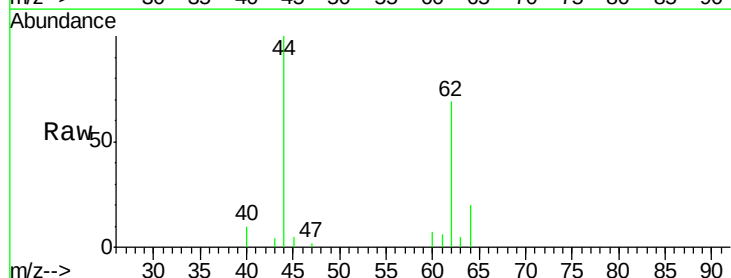
Acq: 30 Jan 2019 8:53

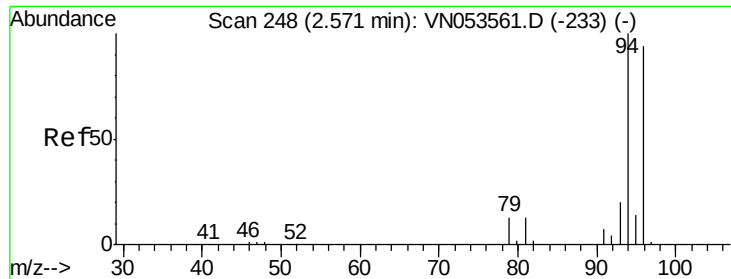
Tgt Ion: 62 Resp: 7654

Ion Ratio Lower Upper

62 100

64 29.3 25.4 38.2





#5

Bromomethane

Concen: 1.035 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.03 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 94 Resp: 5596

Ion Ratio Lower Upper

94 100

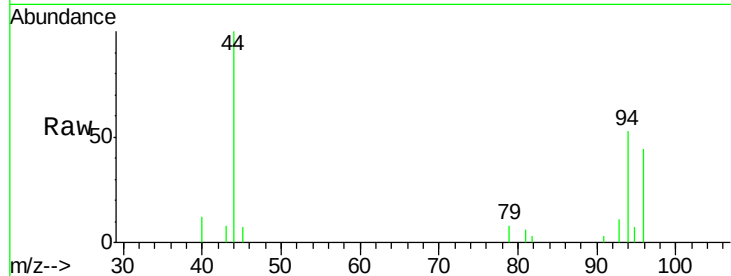
96 81.9 76.8 115.2

Manual Integrations

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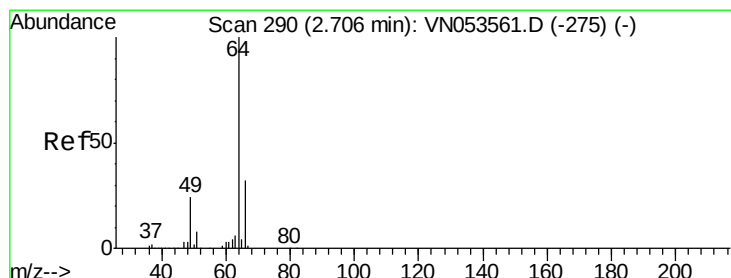
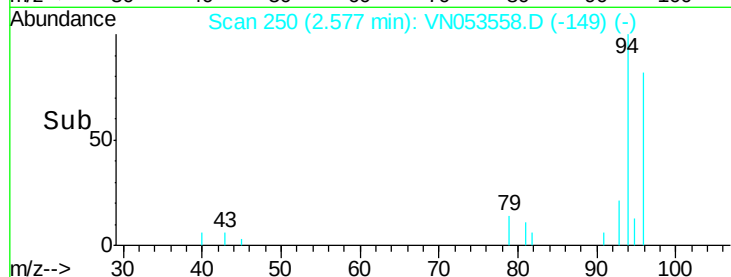
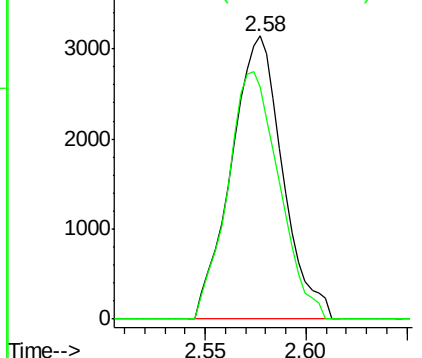
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.962 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053558.D

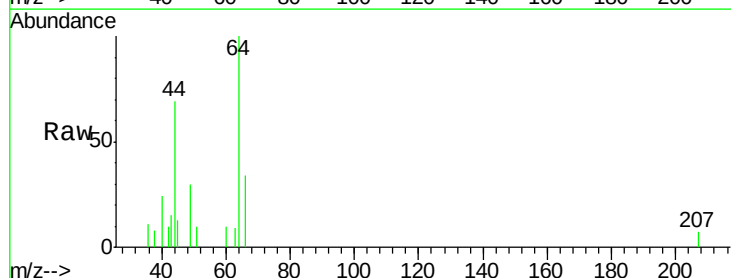
Acq: 30 Jan 2019 8:53

Tgt Ion: 64 Resp: 4581

Ion Ratio Lower Upper

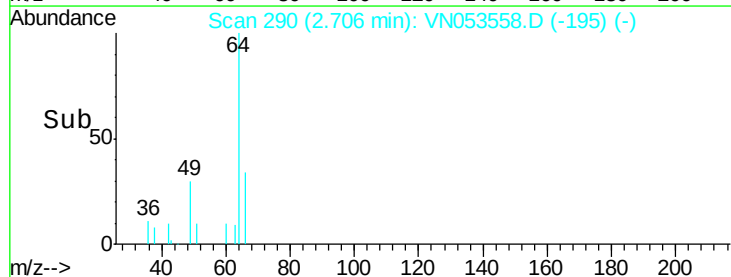
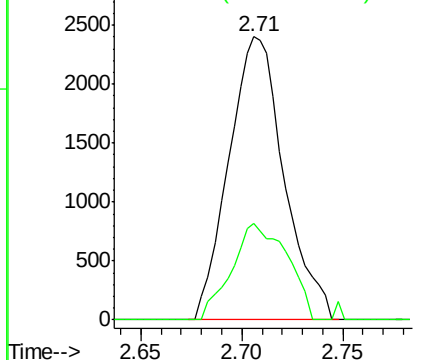
64 100

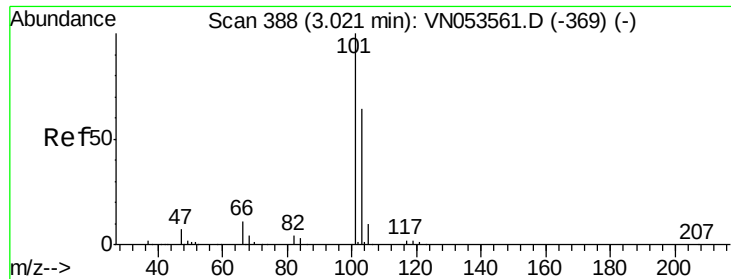
66 34.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

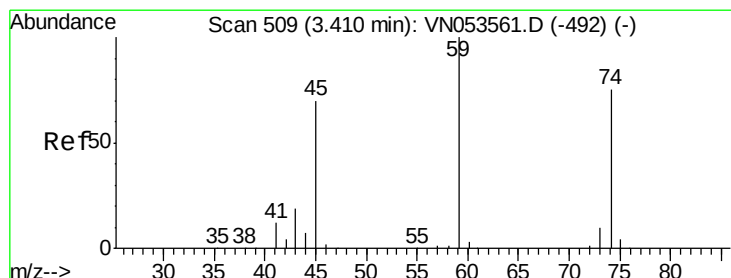
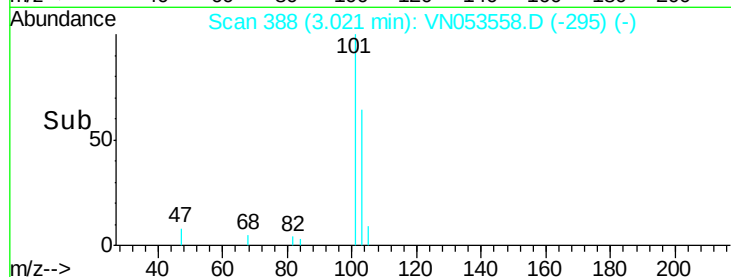
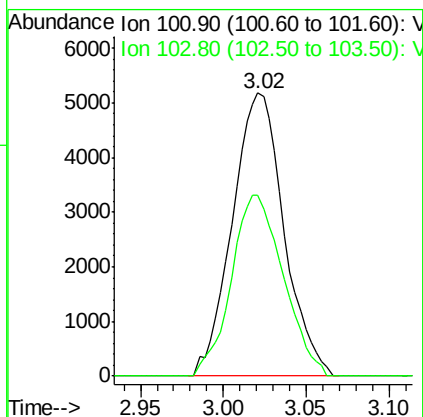
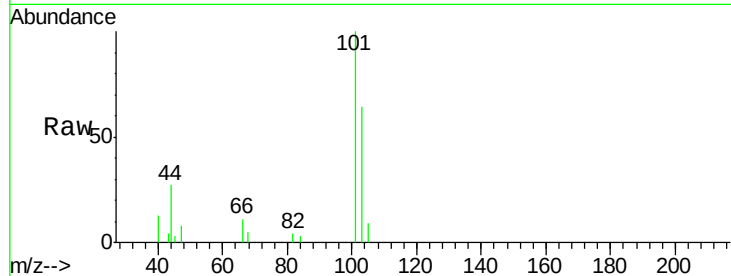
Trichlorofluoromethane
Concen: 1.089 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

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VSTDIC001

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

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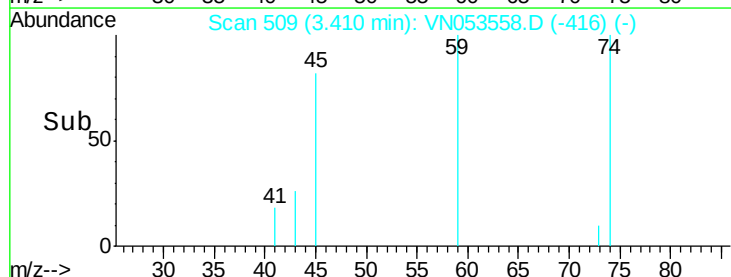
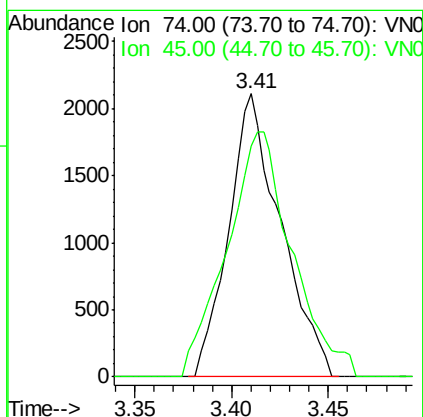
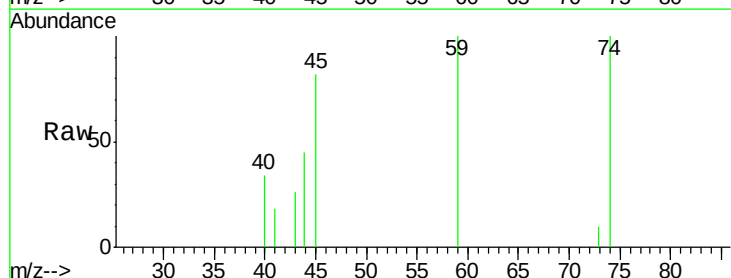
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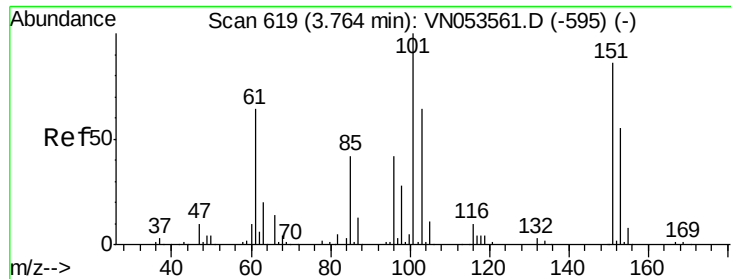


#8

Diethyl Ether
Concen: 1.017 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.119 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

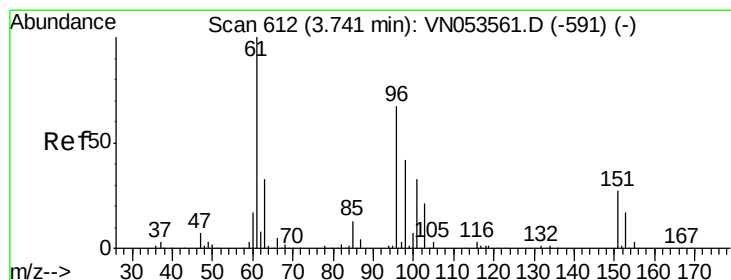
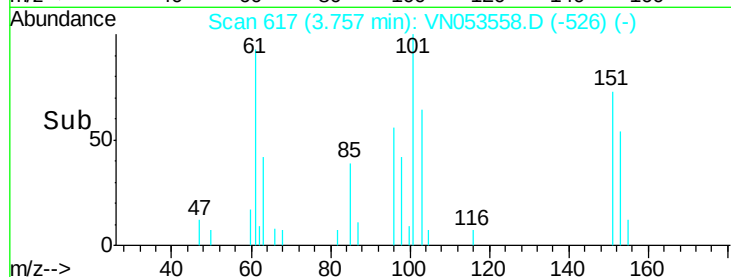
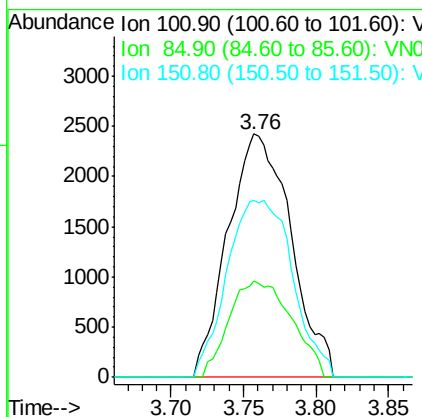
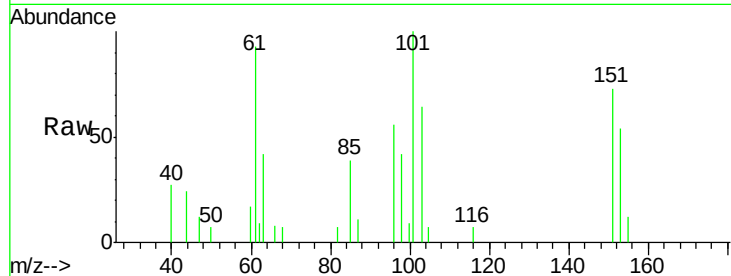
ClientSampled :

VSTDIC001

Tgt Ion:	101	Resp:	7305
Ion Ratio	Lower	Upper	
101	100		
85	39.3	32.8	49.2
151	75.8	66.9	100.3

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#12

1,1-Dichloroethene

Concen: 1.011 ug/l

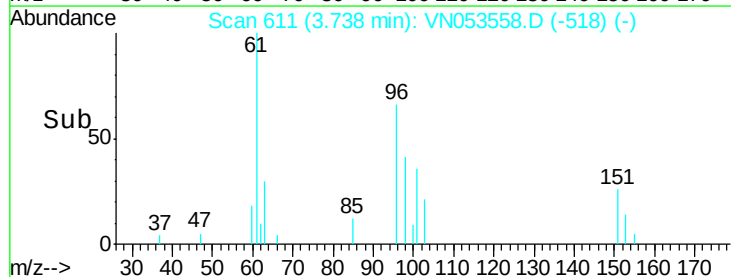
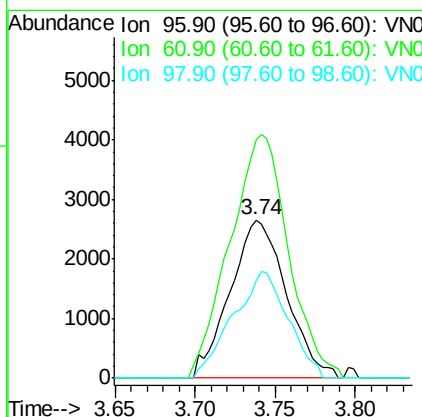
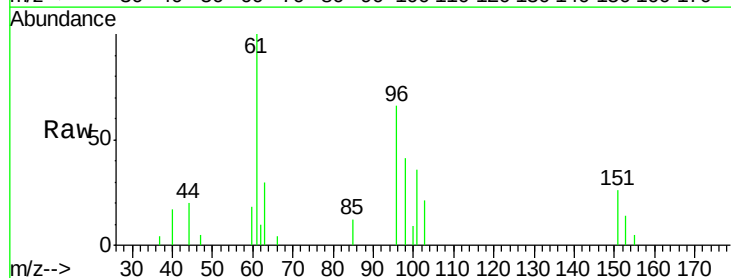
RT: 3.74 min Scan# 611

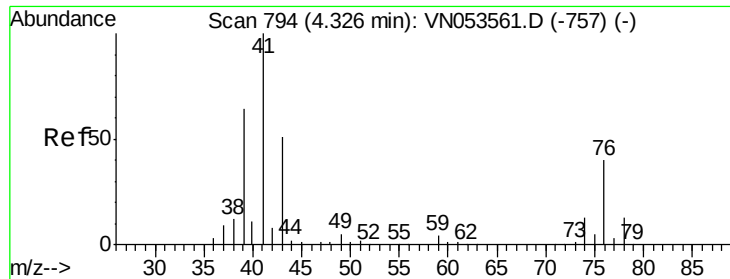
Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Tgt Ion:	96	Resp:	6401
Ion Ratio	Lower	Upper	
96	100		
61	150.8	122.9	184.3
98	61.6	49.4	74.0





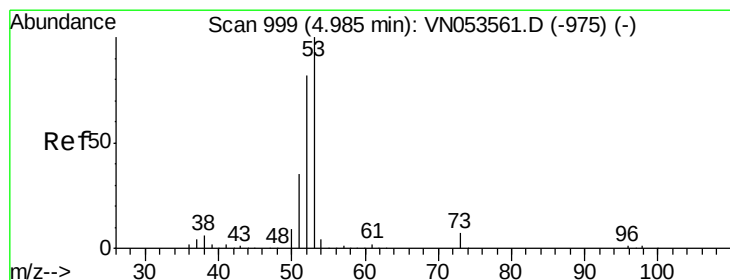
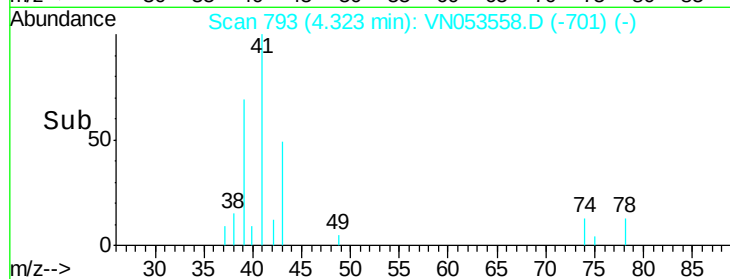
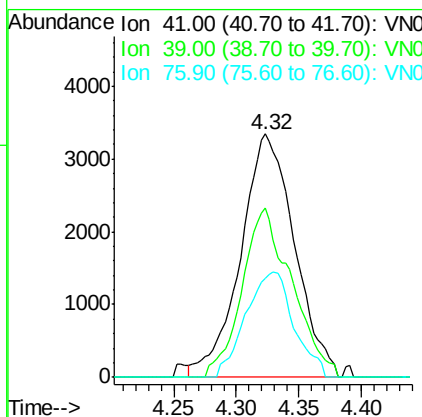
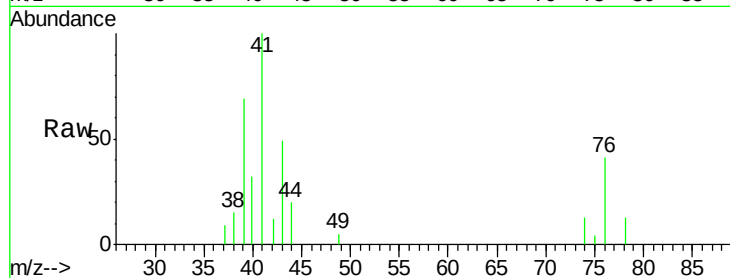
#14
 Allyl chloride
 Concen: 0.971 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	9985
Ion	Ratio	Lower	Upper
41	100		
39	64.4	48.9	73.3
76	38.4	29.4	44.2

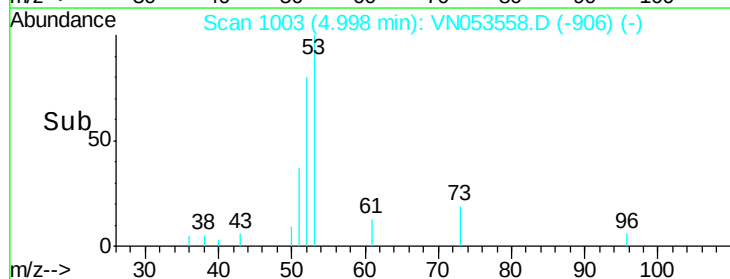
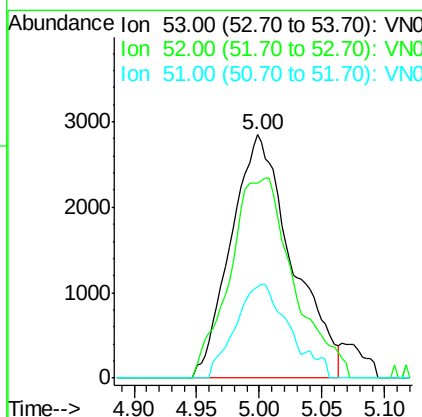
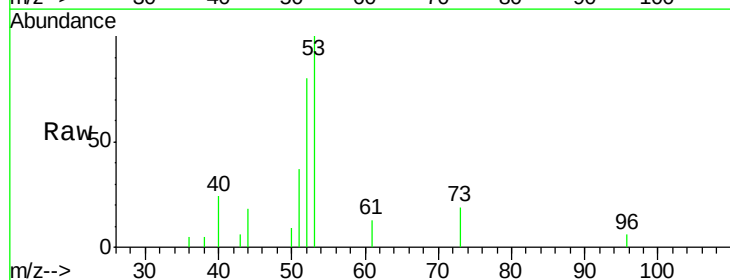
Manual Integrations
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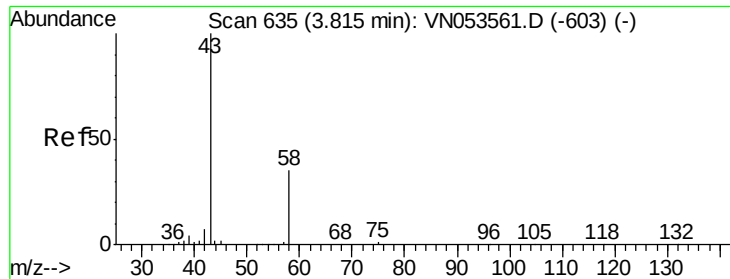
MMDadoda
 2/1/2019 9:18:06 AM



#15
 Acrylonitrile
 Concen: 4.274 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion:	53	Resp:	9671
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.0	99.0
51	34.1	28.3	42.5





#16

Acetone

Concen: 6.507 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 10727

Ion Ratio Lower Upper

43 100

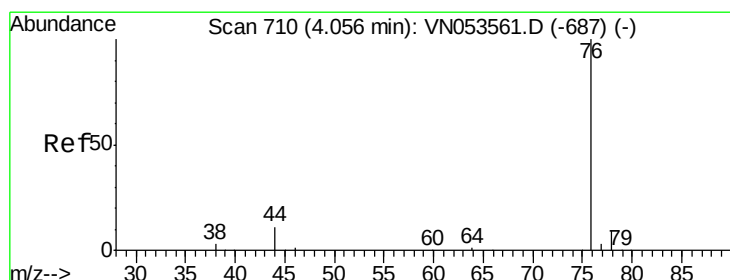
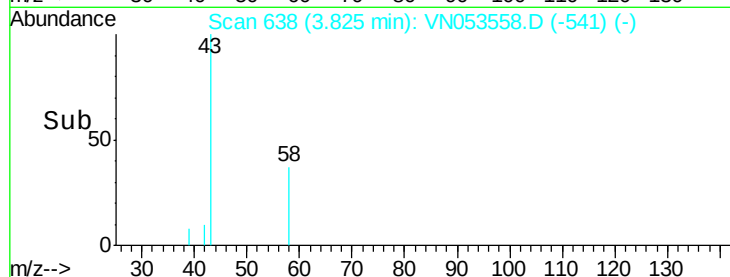
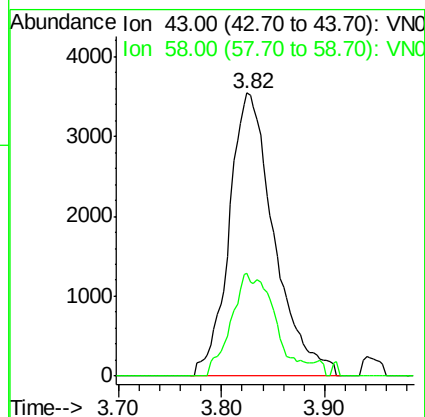
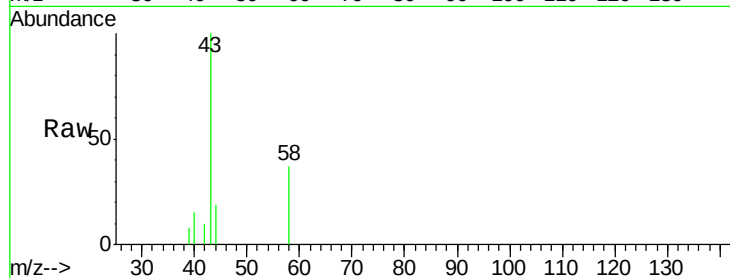
58 36.5 27.1 40.7

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#17

Carbon Disulfide

Concen: 1.069 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053558.D

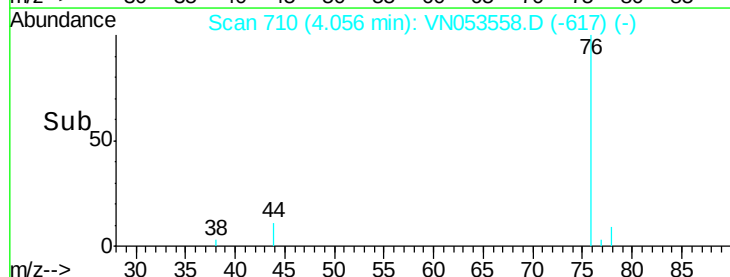
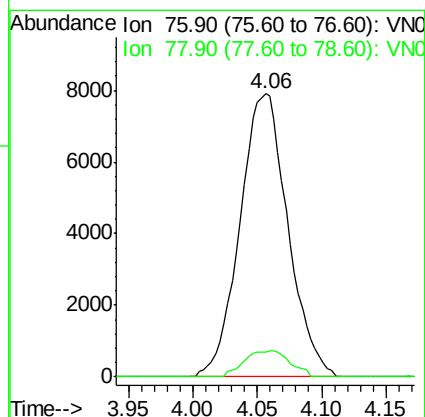
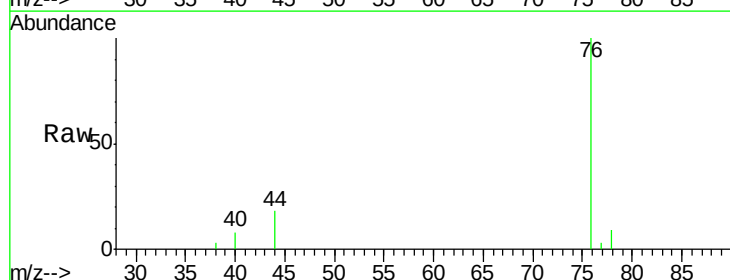
Acq: 30 Jan 2019 8:53

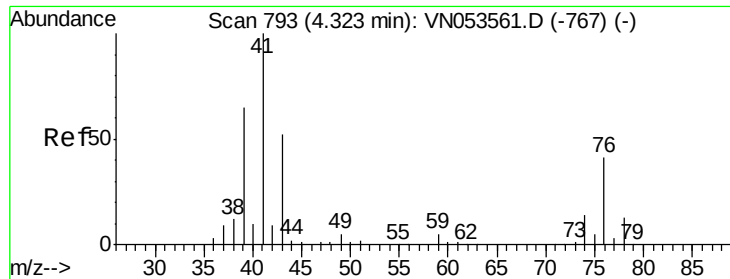
Tgt Ion: 76 Resp: 20460

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





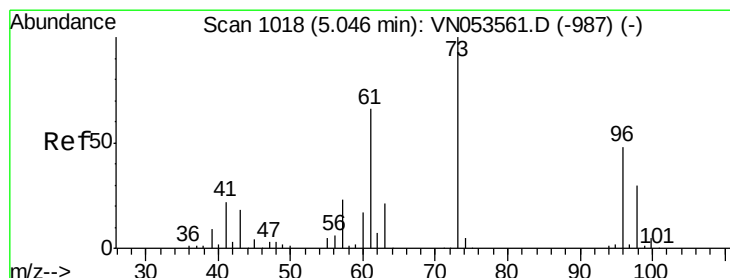
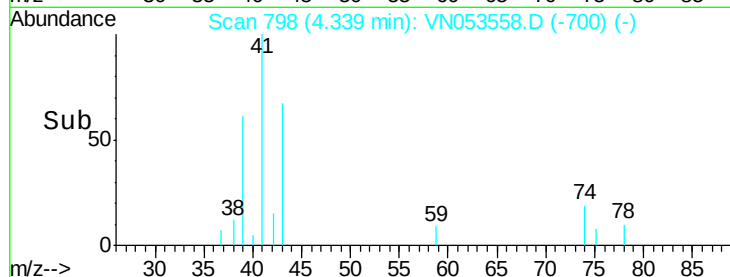
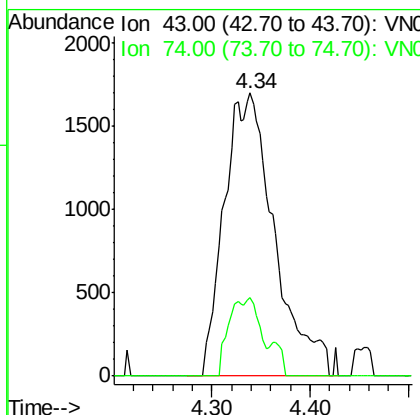
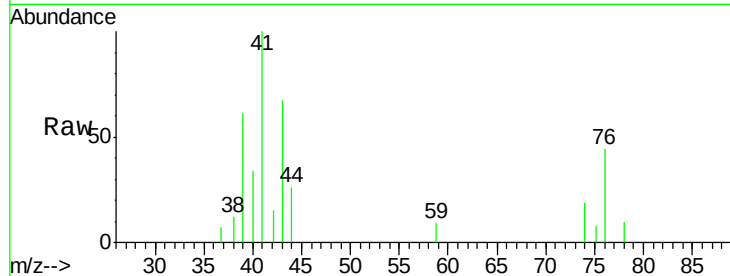
#18
Methyl Acetate
Concen: 1.089 ug/l m
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 6046
Ion Ratio Lower Upper
43 100
74 9.1 19.4 29.2#

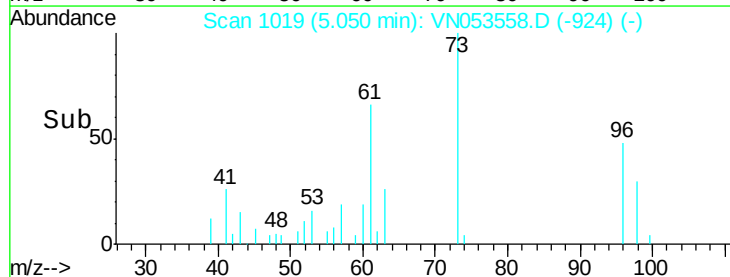
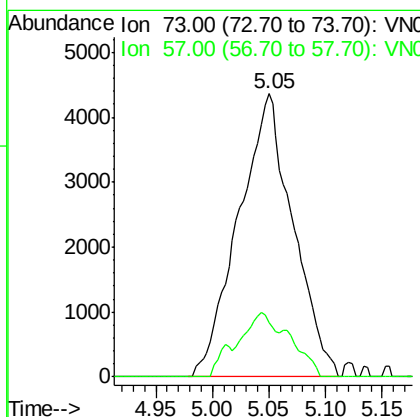
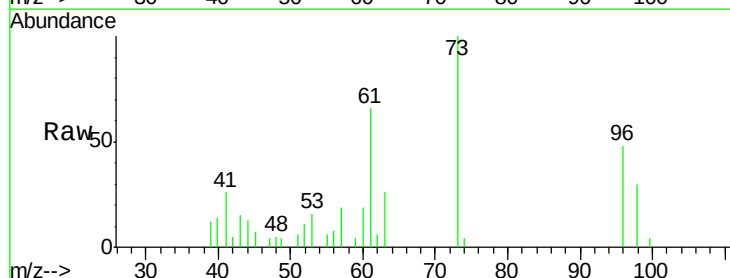
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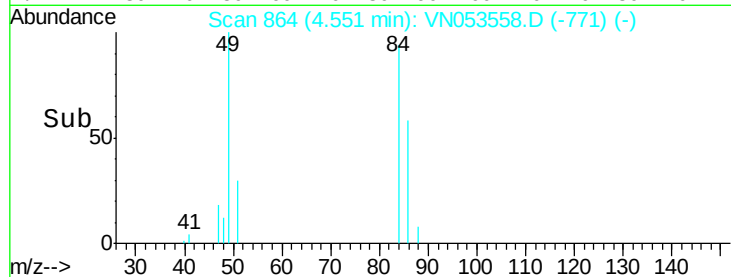
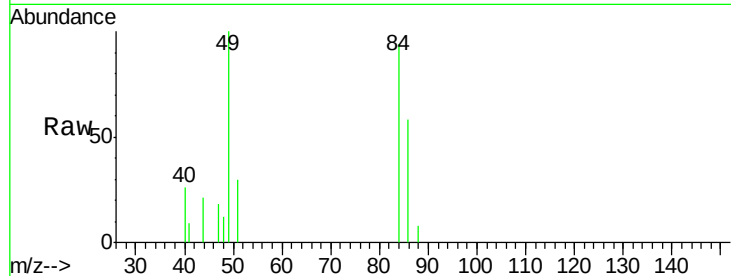
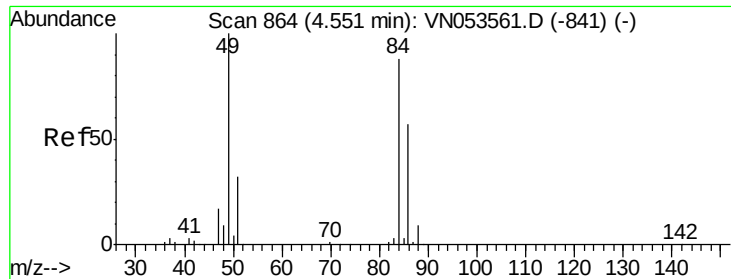
MMDadoda
2/1/2019 9:18:06 AM



#19
Methyl tert-butyl Ether
Concen: 0.867 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion: 73 Resp: 14572
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5





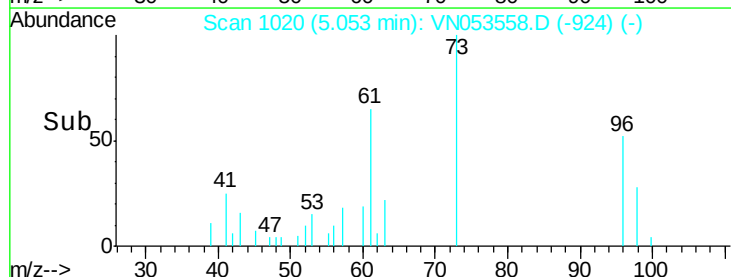
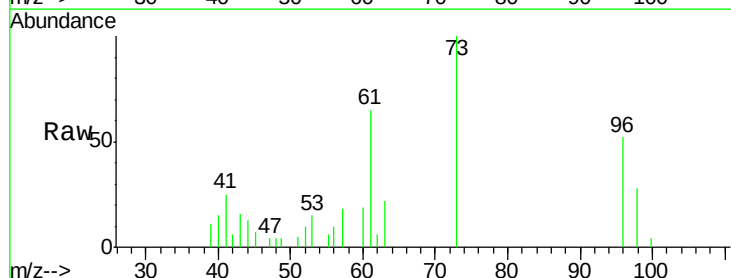
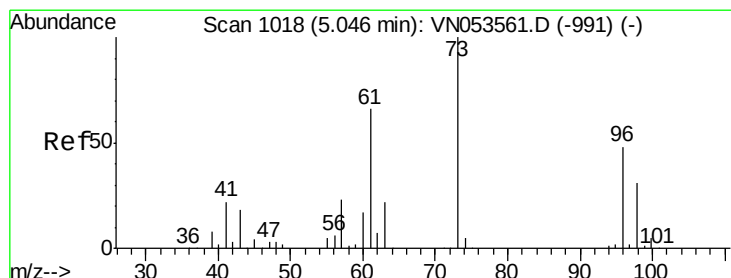
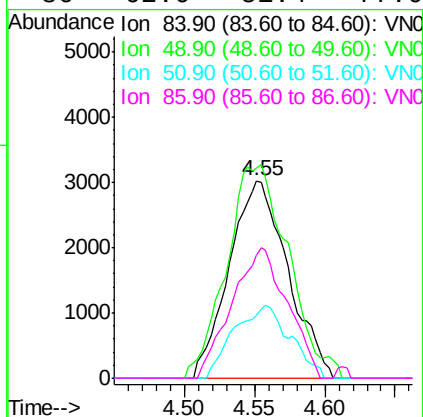
#20
Methylene Chloride
Concen: 1.165 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion:	84	Resp:	8771
Ion	Ratio	Lower	Upper
84	100		
49	100.4	94.3	141.5
51	31.7	29.4	44.2
86	62.0	51.4	77.0

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

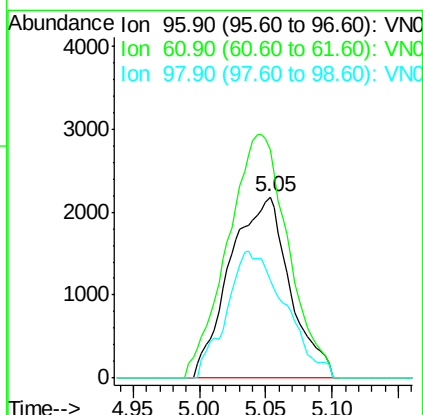
Manual Integrations
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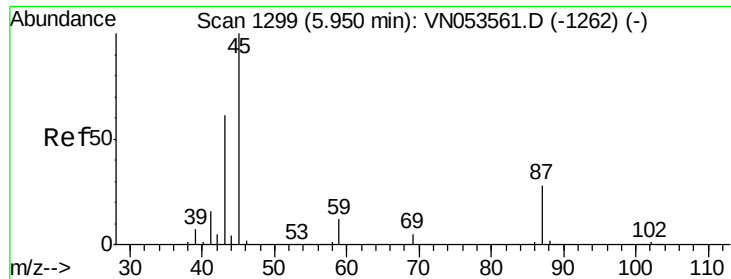
MMDadoda
2/1/2019 9:18:06 AM



#21
trans-1,2-Dichloroethene
Concen: 1.014 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion:	96	Resp:	6859
Ion	Ratio	Lower	Upper
96	100		
61	126.1	110.1	165.1
98	53.7	50.0	75.0





#22

Diisopropyl ether

Concen: 0.794 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

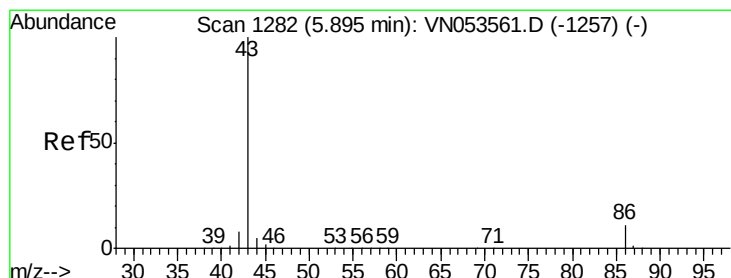
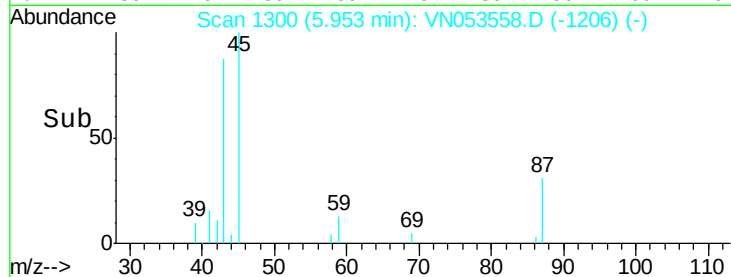
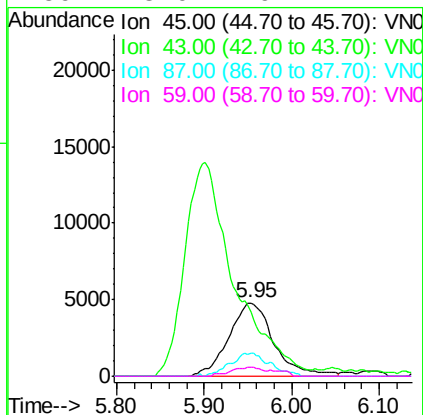
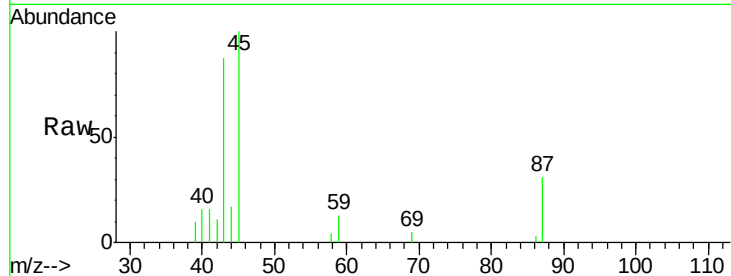
ClientSampleId :

VSTDIC001

Tgt Ion:	45	Resp:	17046
Ion Ratio	Lower	Upper	
45	100		
43	77.3	44.2	66.4#
87	31.4	22.7	34.1
59	13.0	9.4	14.2

Manual Integrations
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MMDadoda
2/1/2019 9:18:06 AM



#23

Vinyl Acetate

Concen: 4.156 ug/l

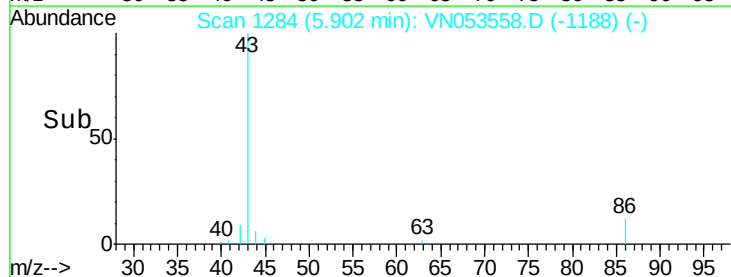
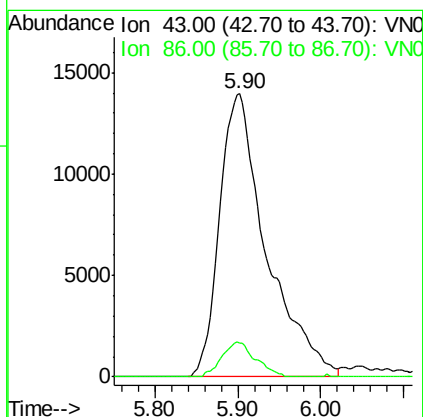
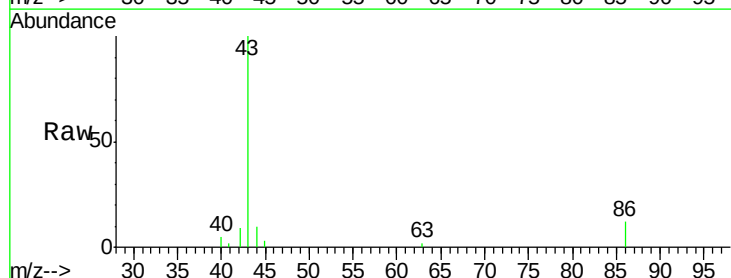
RT: 5.90 min Scan# 1284

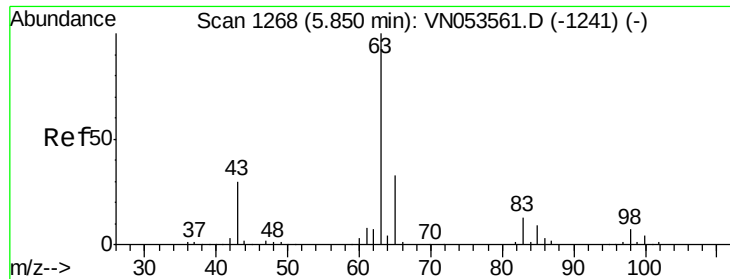
Delta R.T. 0.01 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Tgt Ion:	43	Resp:	54829
Ion Ratio	Lower	Upper	
43	100		
86	12.0	8.4	12.6





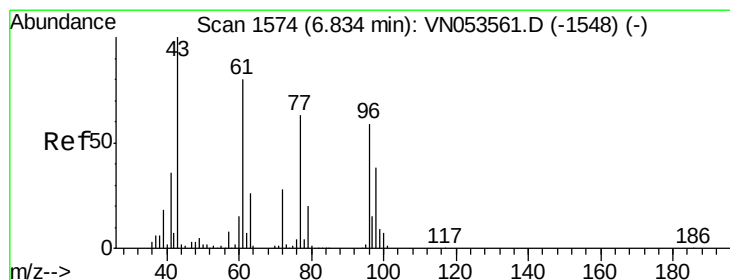
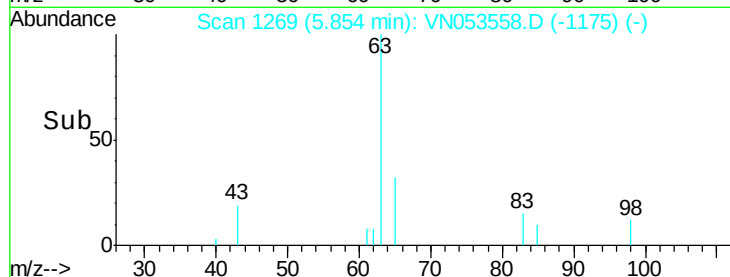
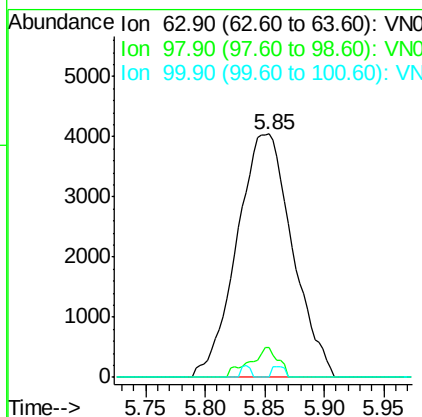
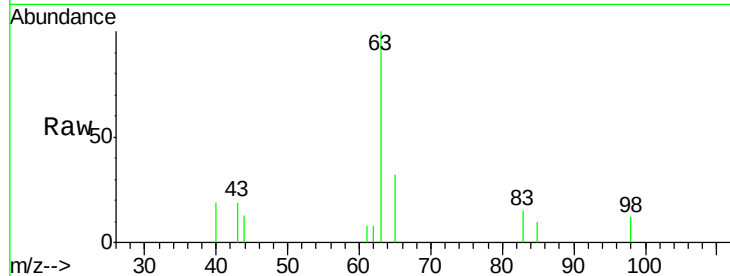
#24
 1,1-Dichloroethane
 Concen: 1.030 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
98	12.0	3.3	9.9#
100	0.0	2.1	6.5#

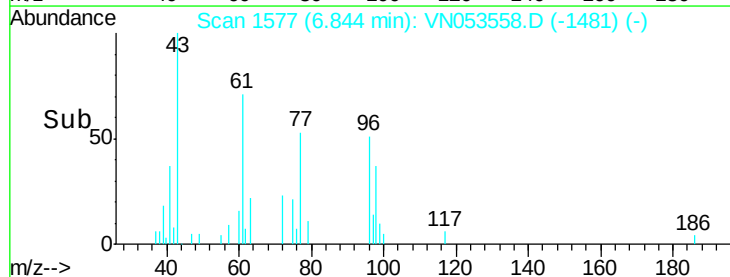
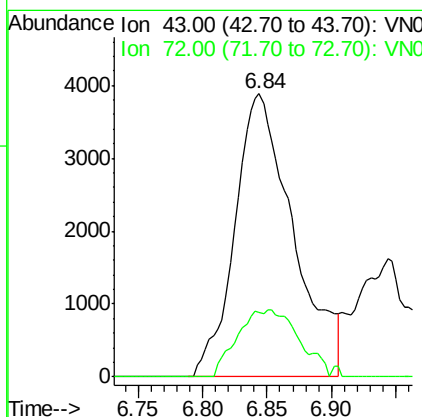
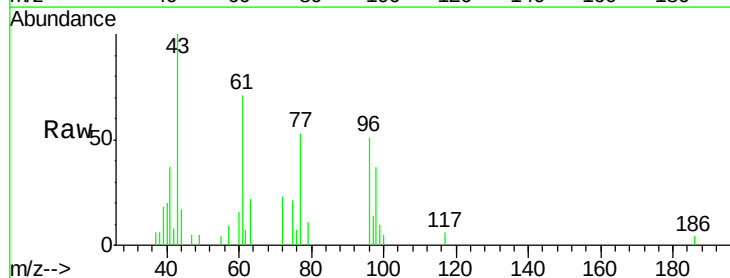
Manual Integrations
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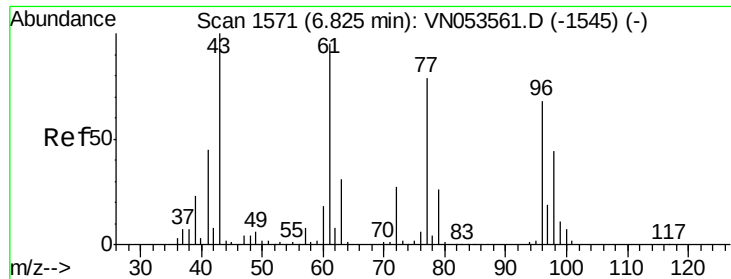
MMDadoda
 2/1/2019 9:18:06 AM



#25
 2-Butanone
 Concen: 4.823 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	22.0	33.0





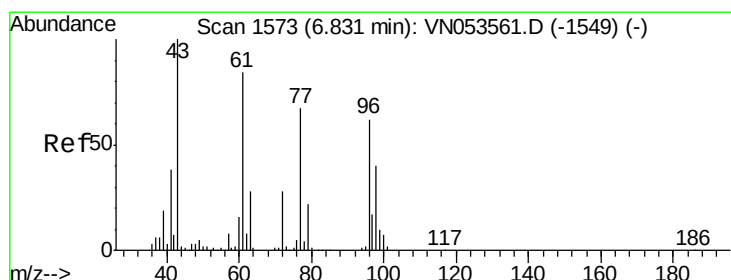
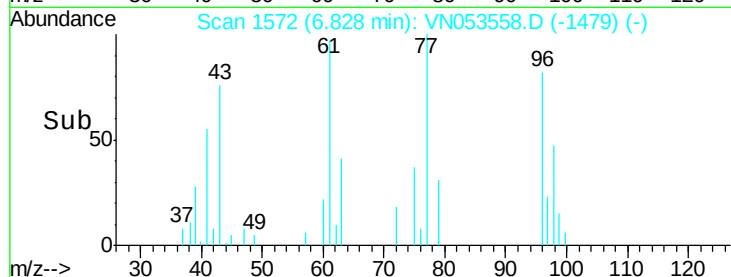
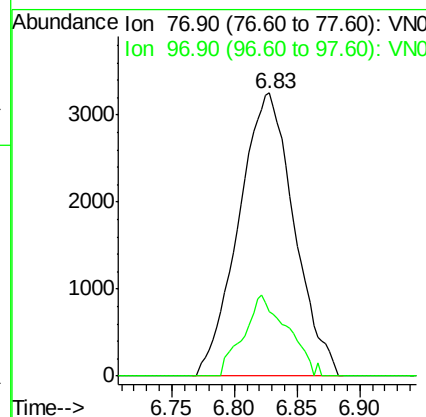
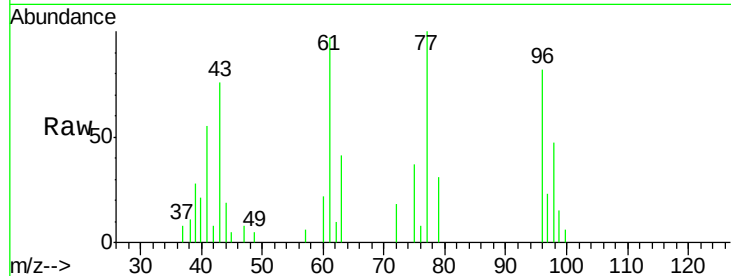
#26
 2,2-Dichloropropane
 Concen: 1.042 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 9986
 Ion Ratio Lower Upper
 77 100
 97 22.7 12.2 36.6

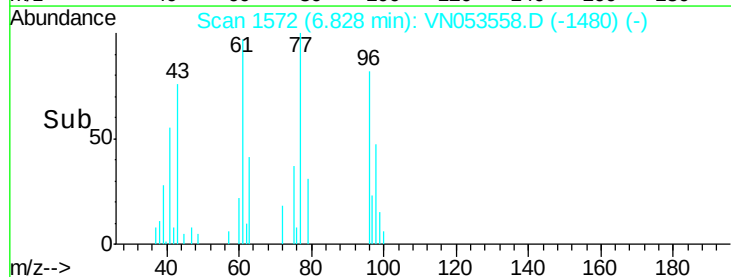
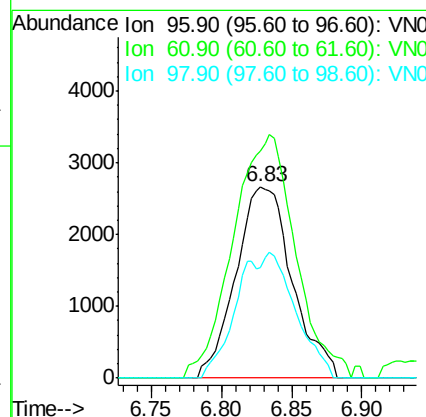
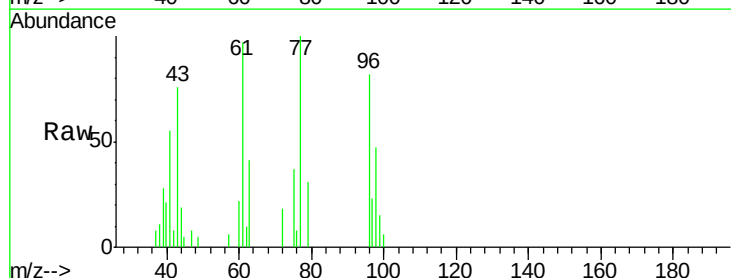
Manual Integrations
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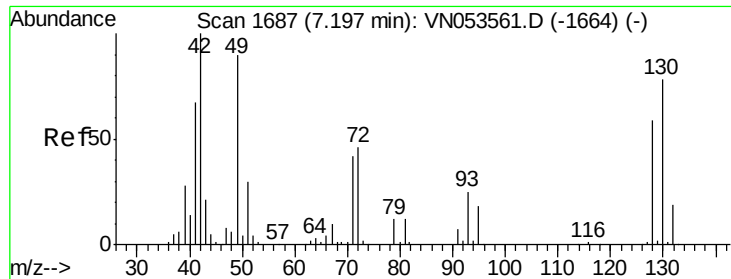
MMDadoda
 2/1/2019 9:18:06 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.960 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion: 96 Resp: 7426
 Ion Ratio Lower Upper
 96 100
 61 141.1 0.0 283.8
 98 27.1 0.0 129.2





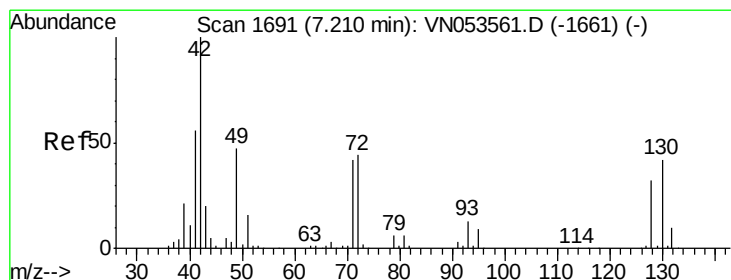
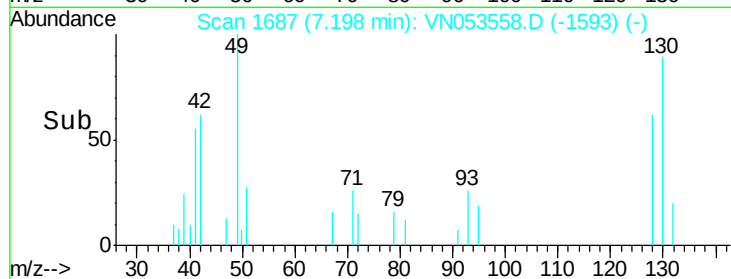
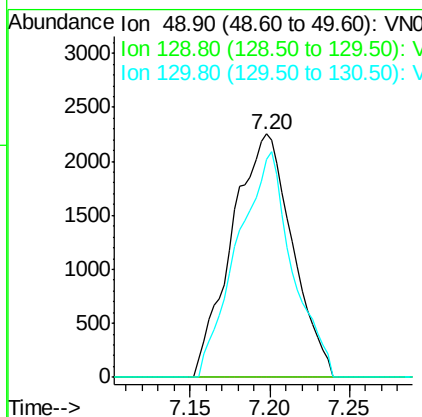
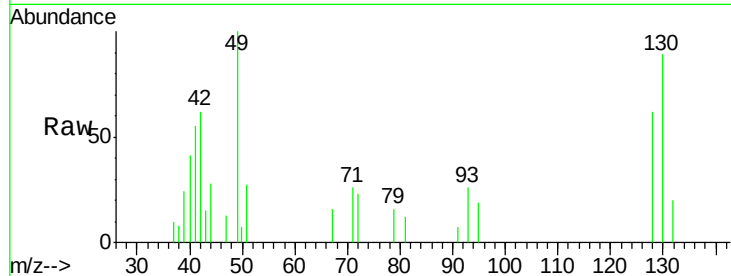
#28
Bromochloromethane
Concen: 1.044 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 5838
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 84.4 66.3 99.5

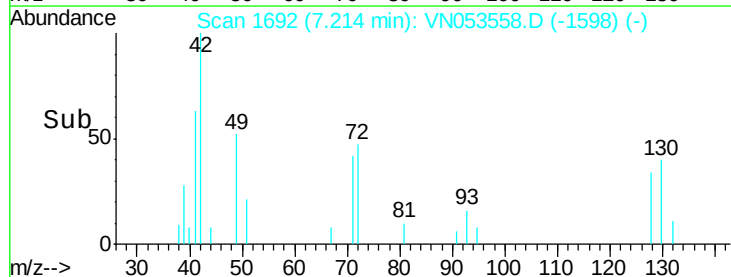
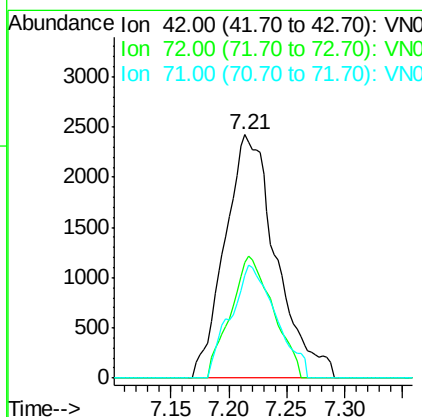
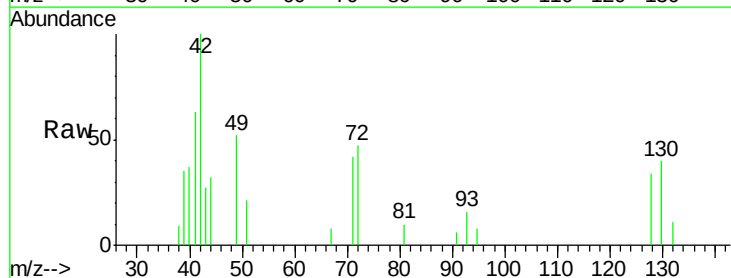
Manual Integrations
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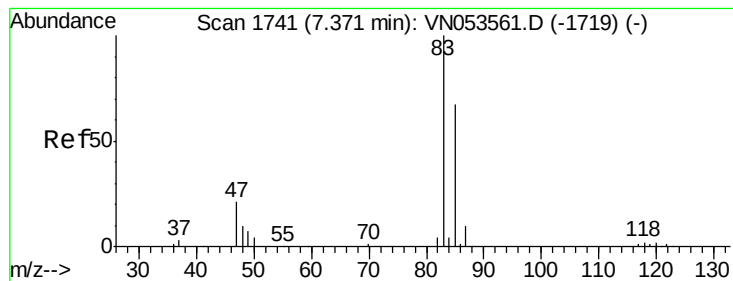
MMDadoda
2/1/2019 9:18:06 AM



#29
Tetrahydrofuran
Concen: 4.508 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion: 42 Resp: 7456
Ion Ratio Lower Upper
42 100
72 41.3 35.2 52.8
71 41.1 33.0 49.4





#30

Chloroform

Concen: 1.091 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 13484

Ion Ratio Lower Upper

83 100

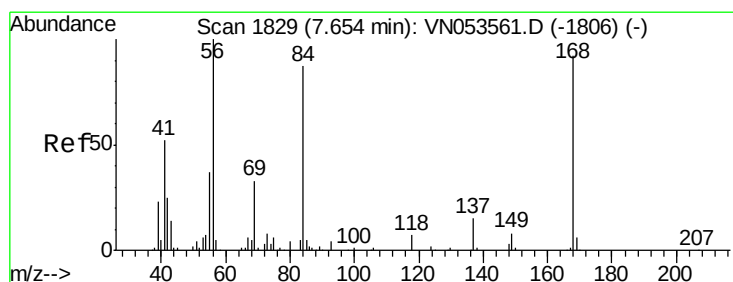
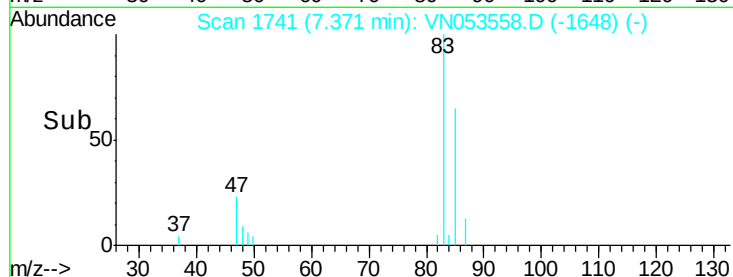
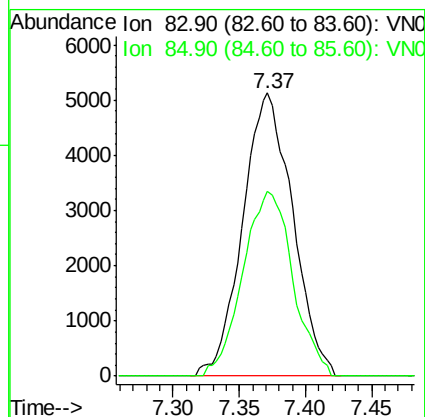
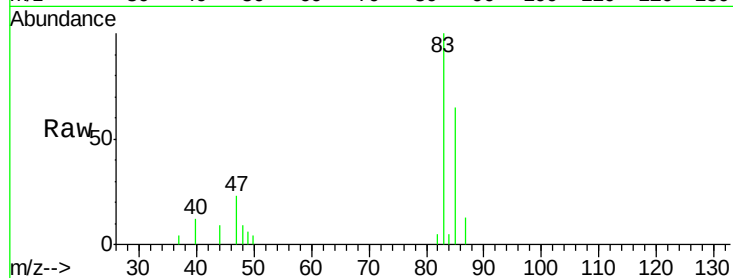
85 65.2 52.2 78.2

Manual Integrations

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2/1/2019 9:18:06 AM



#31

Cyclohexane

Concen: 1.437 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

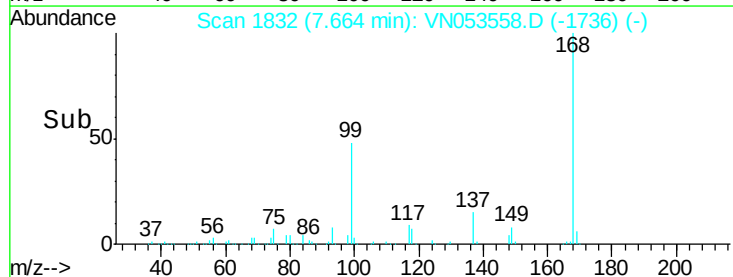
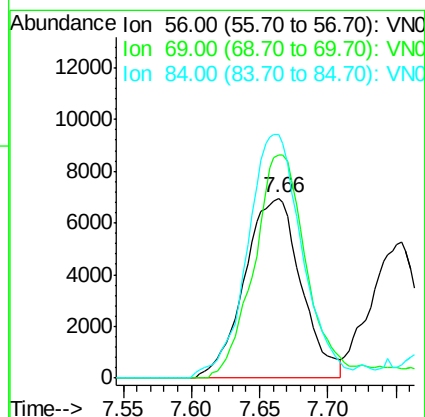
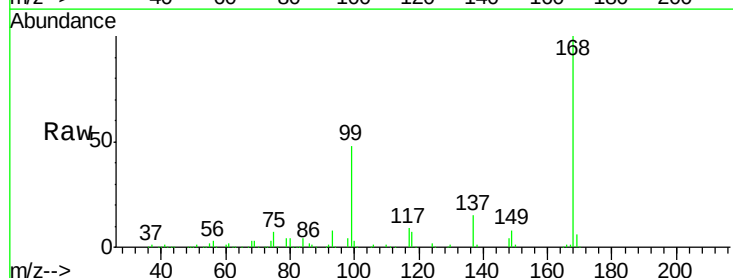
Tgt Ion: 56 Resp: 20066

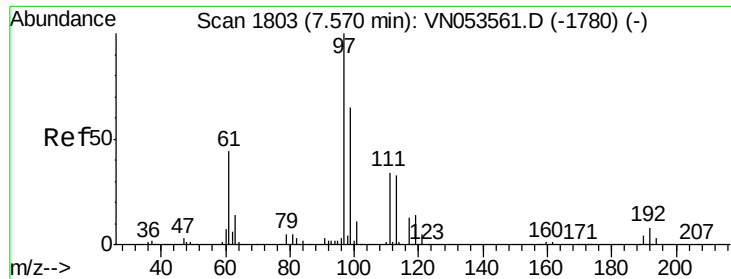
Ion Ratio Lower Upper

56 100

69 124.2 26.4 39.6#

84 135.5 67.9 101.9#





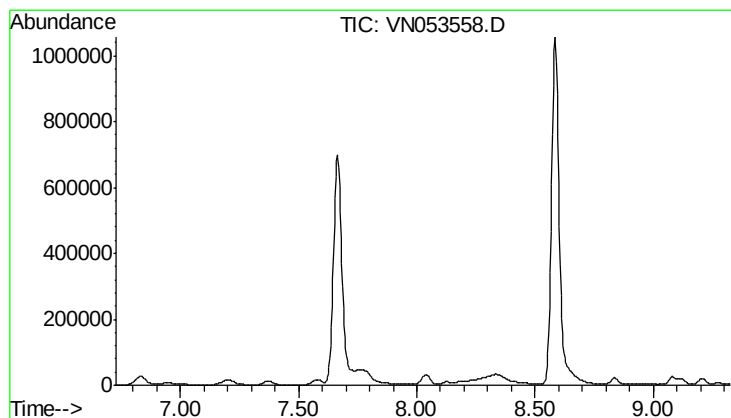
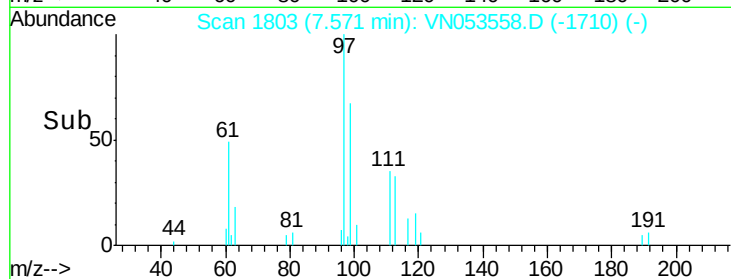
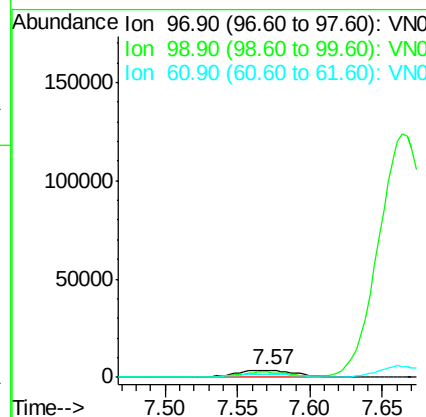
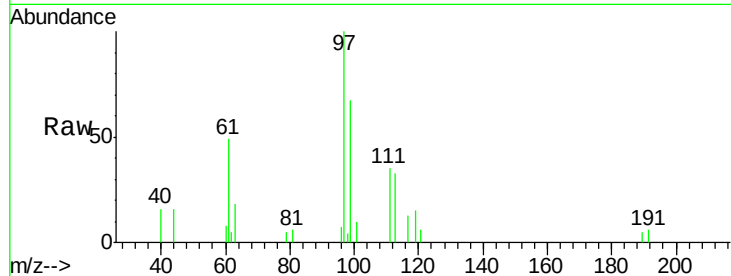
#32
 1,1,1-Trichloroethane
 Concen: 0.989 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	45.7	34.4	51.6

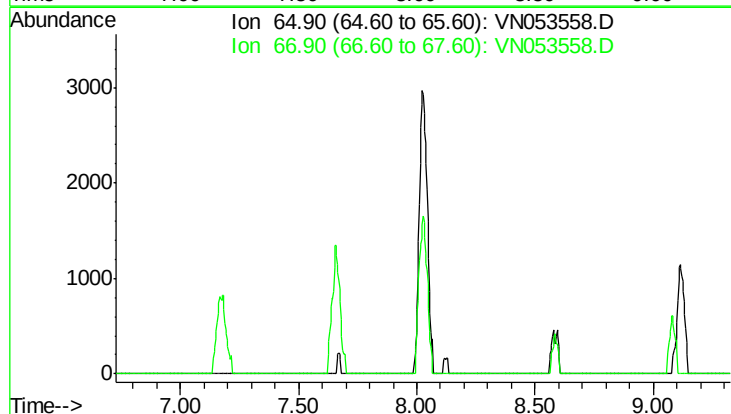
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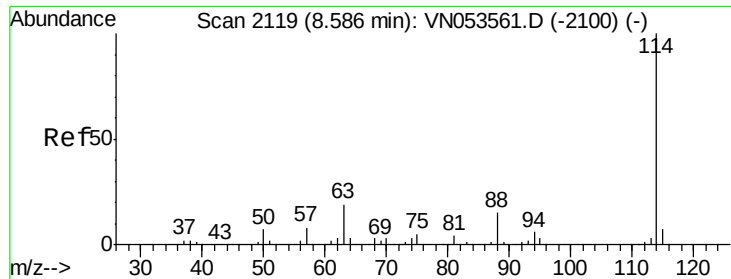
MMDadoda
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.03 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Exp Ratio
65	100
67	55.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 1099607

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

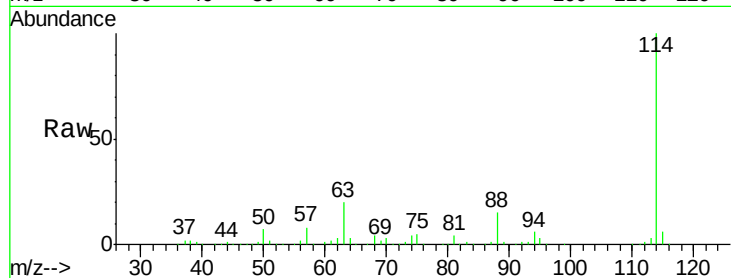
88 15.2 0.0 30.4

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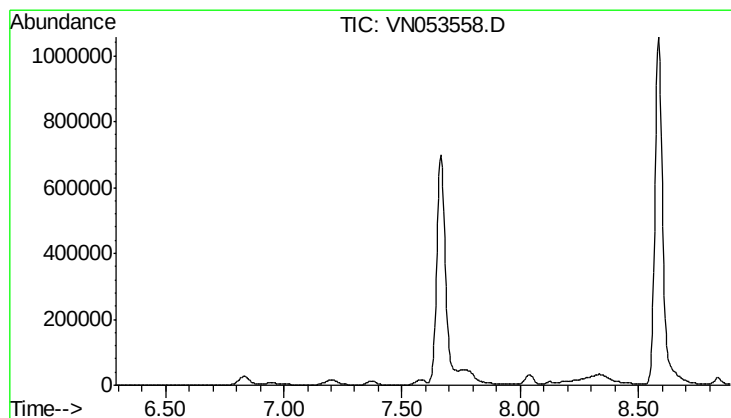
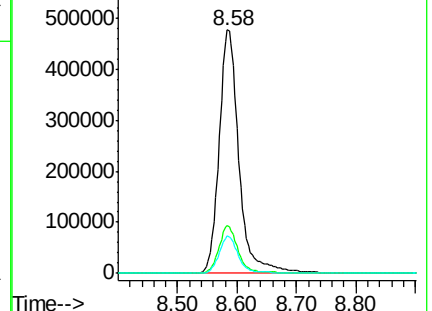
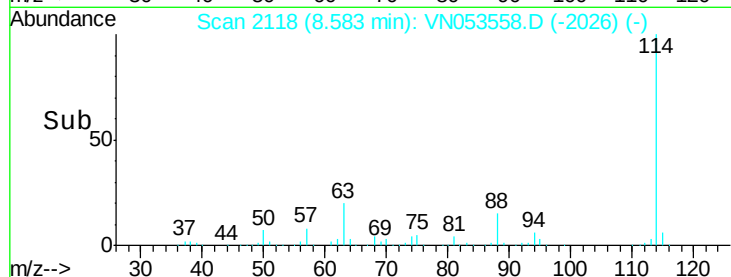
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.59 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

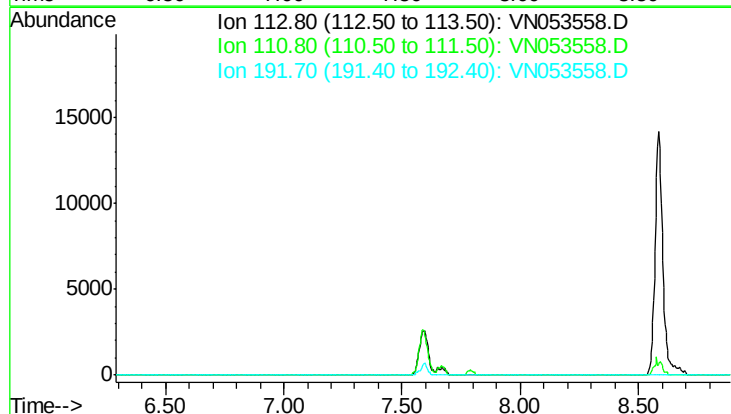
Tgt Ion: 113

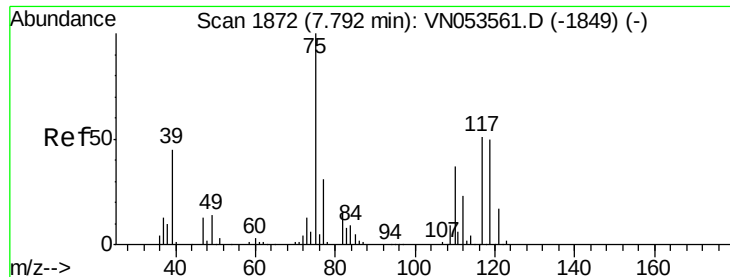
Sig Exp Ratio

113 100

111 101.4

192 22.7





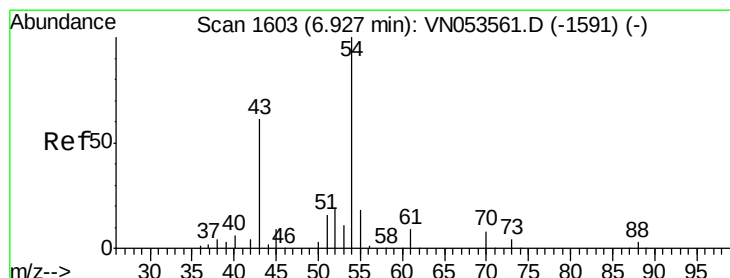
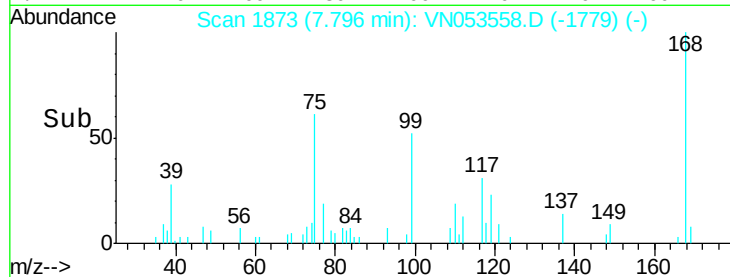
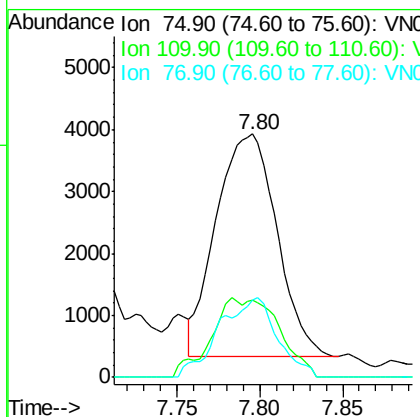
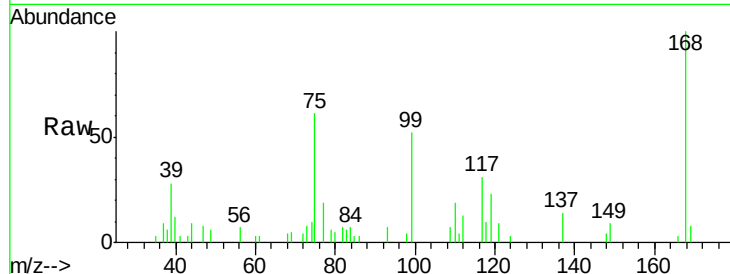
#36
 1,1-Dichloropropene
 Concen: 0.918 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	18.9	18.1	54.3
77	33.9	25.1	37.7

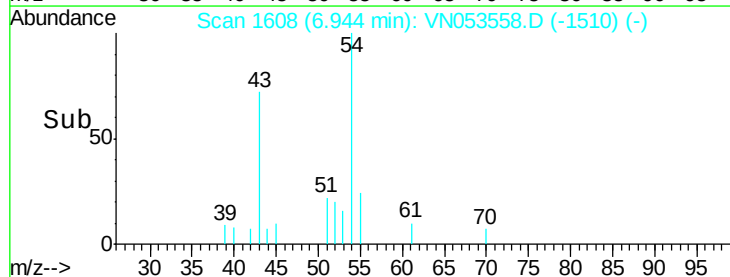
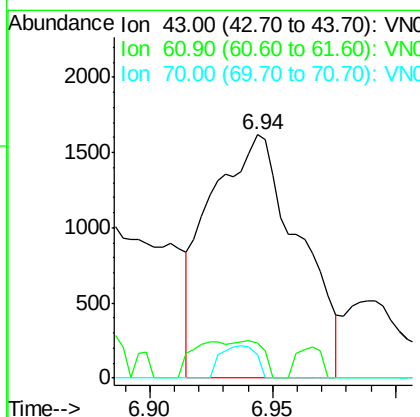
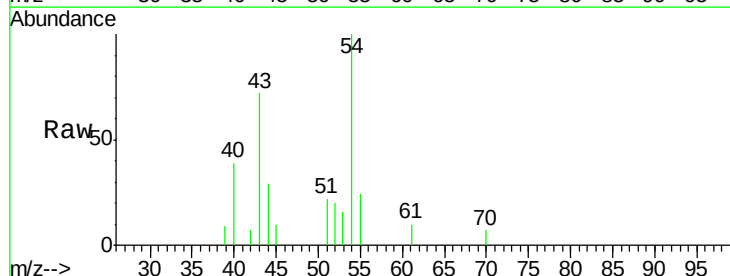
Manual Integrations
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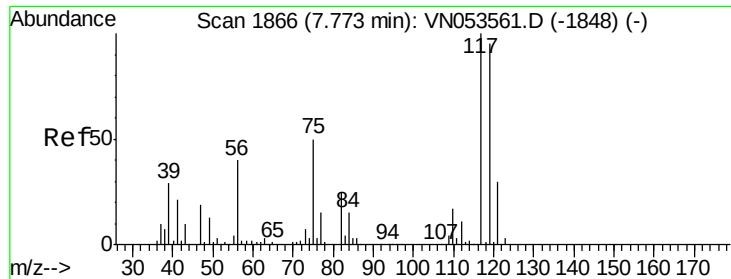
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#37
 Ethyl Acetate
 Concen: 0.705 ug/l m
 RT: 6.94 min Scan# 1608
 Delta R.T. 0.02 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	5.3	8.6	12.8#





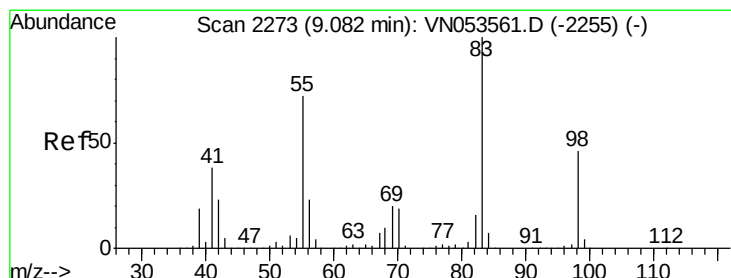
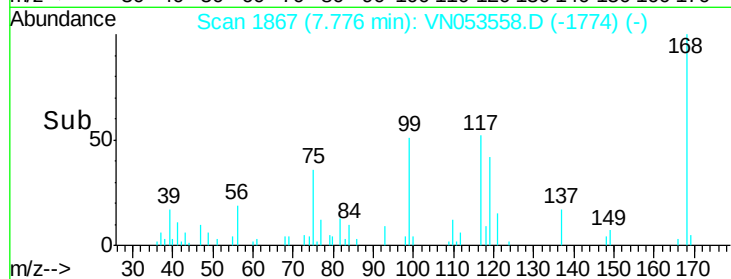
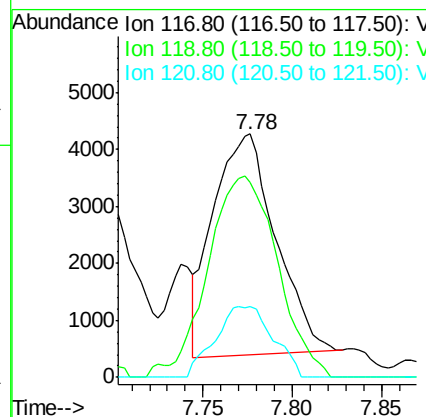
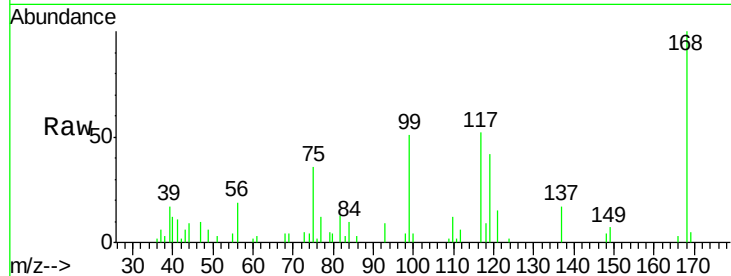
#38
Carbon Tetrachloride
Concen: 0.998 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	77.2	115.8
121	32.6	24.6	37.0

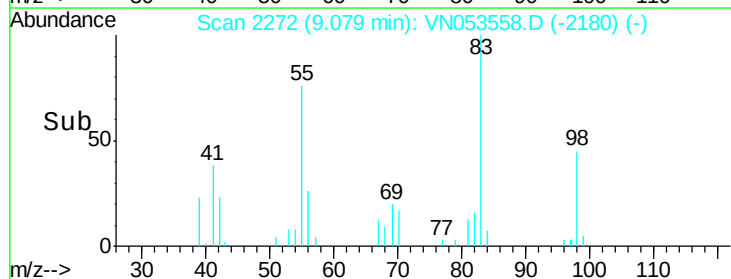
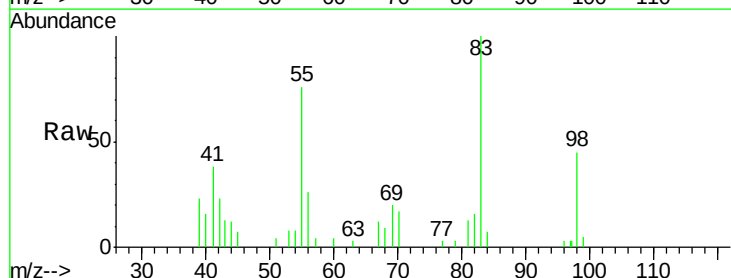
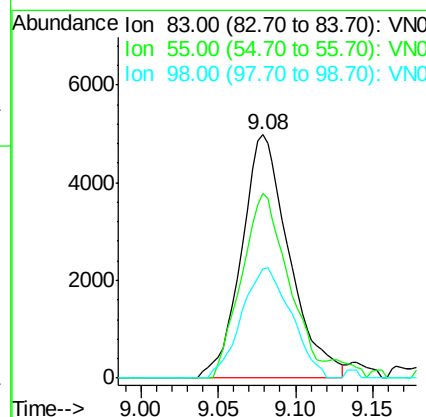
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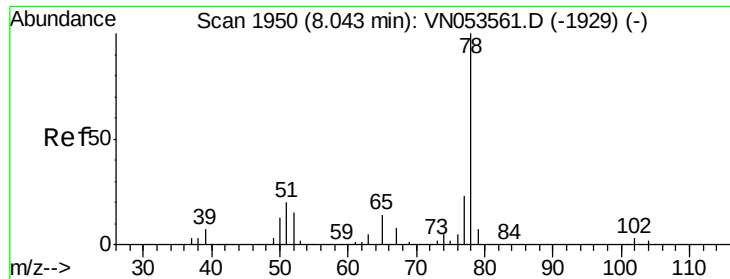
MMDadoda
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#39
Methylcyclohexane
Concen: 0.863 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.1	90.1
98	44.9	36.6	55.0





#40

Benzene

Concen: 0.979 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 78 Resp: 29796

Ion Ratio Lower Upper

78 100

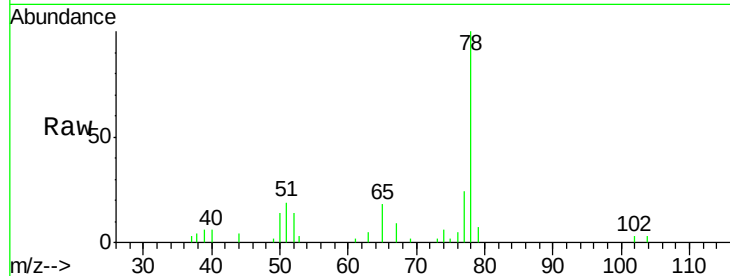
77 24.1 18.8 28.2

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

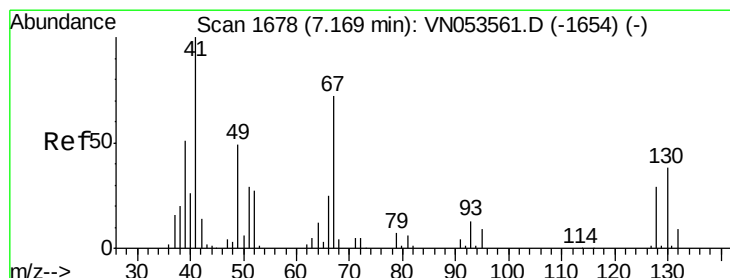
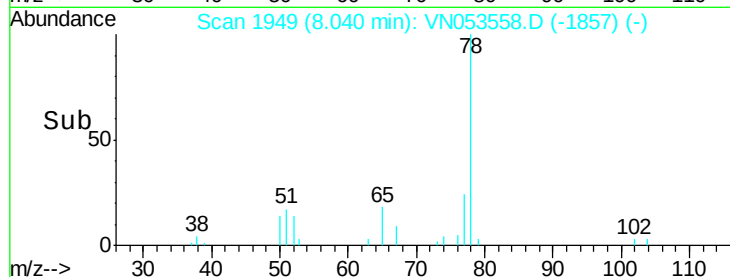
8.04

10000

5000

0

Time-->



#41

Methacrylonitrile

Concen: 0.905 ug/l m

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Tgt Ion: 41 Resp: 2819

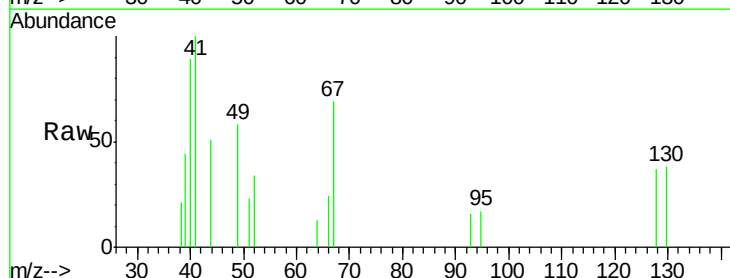
Ion Ratio Lower Upper

41 100

39 43.0 46.8 70.2#

67 45.0 63.0 94.6#

52 24.1 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2500

2000

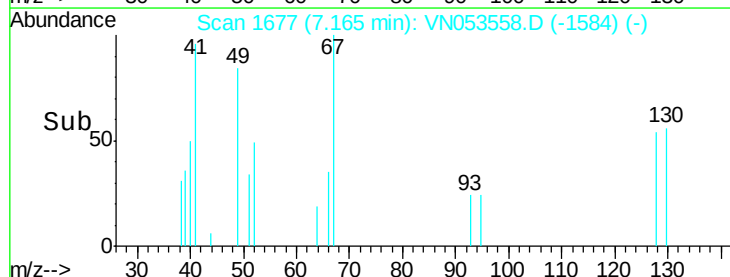
1500

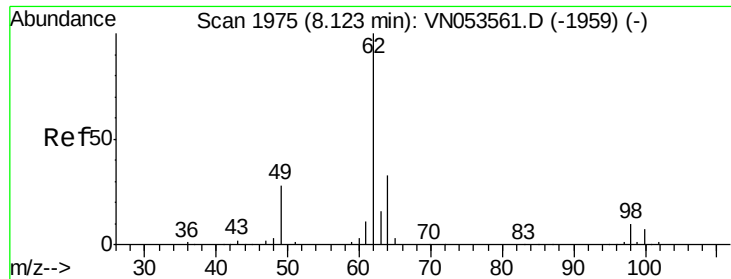
1000

500

0

Time-->





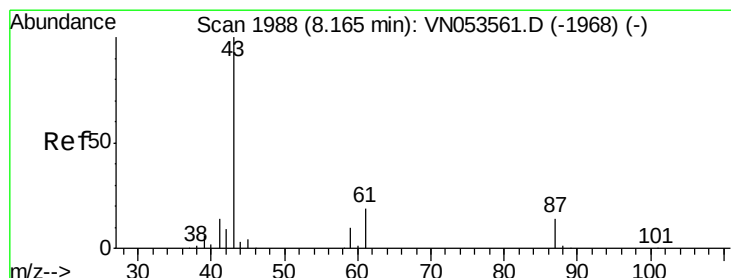
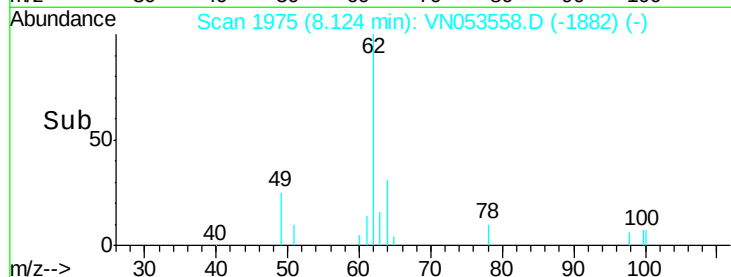
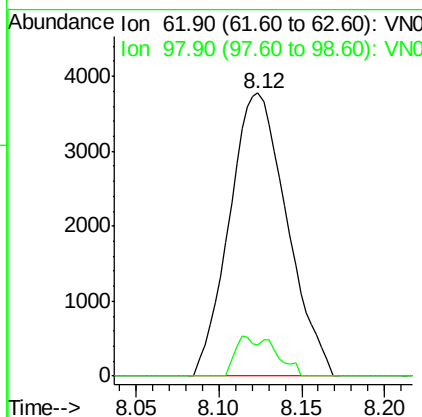
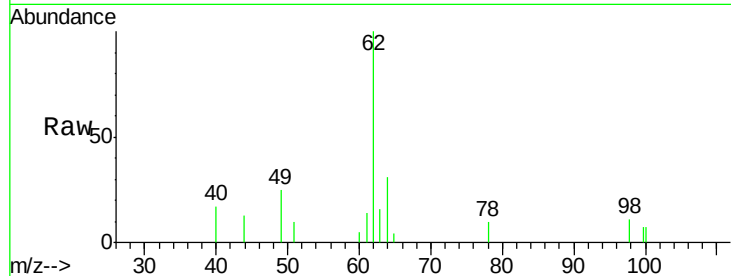
#42
1,2-Dichloroethane
Concen: 1.024 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	19.6

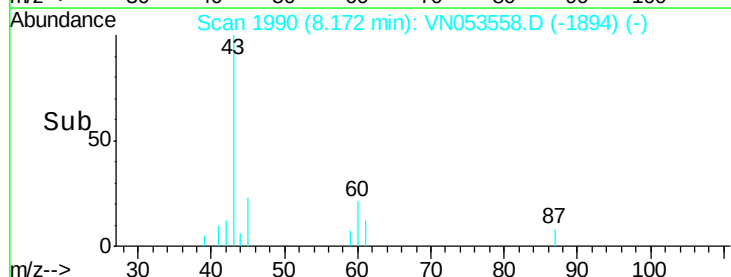
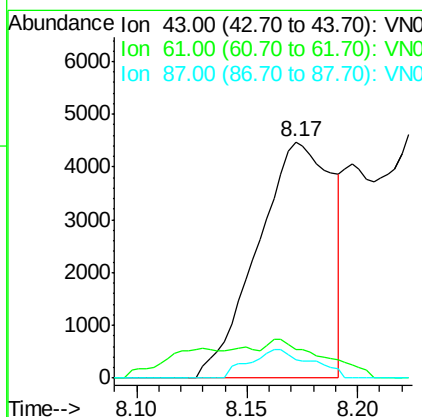
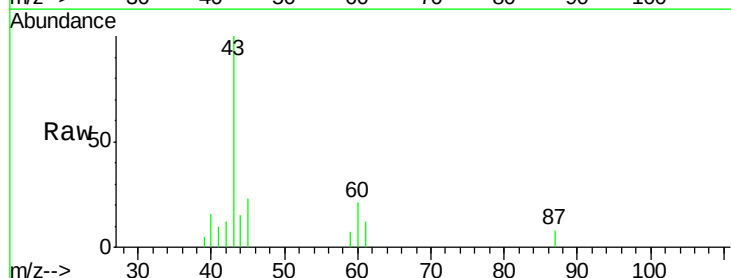
Manual Integrations
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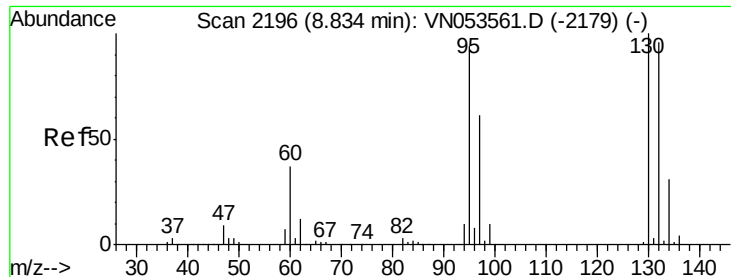
MMDadoda
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#43
Isopropyl Acetate
Concen: 1.015 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.4	23.9	35.9#
87	9.8	11.0	16.6#





#44

Trichloroethene

Concen: 1.059 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 8939

Ion Ratio Lower Upper

130 100

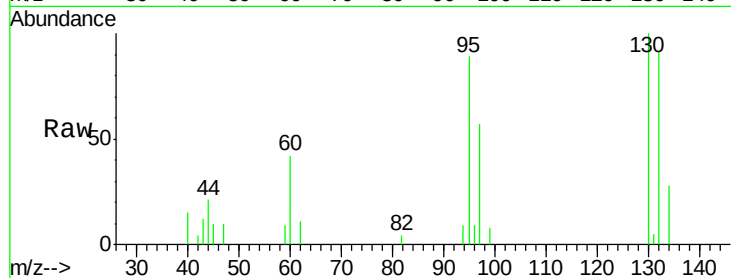
95 89.4 0.0 191.4

Manual Integrations

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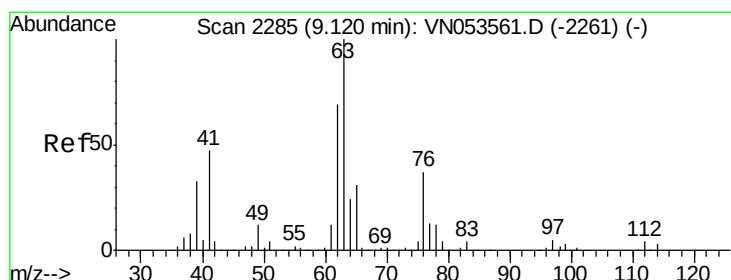
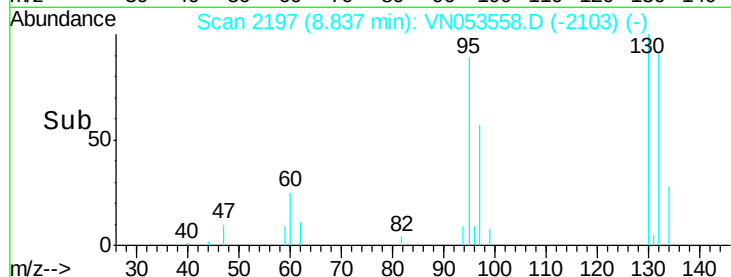
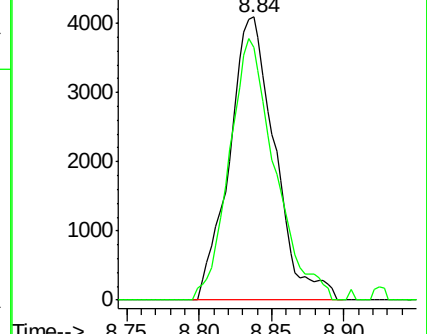
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.910 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053558.D

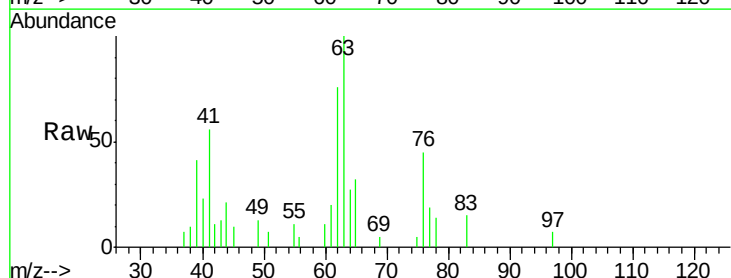
Acq: 30 Jan 2019 8:53

Tgt Ion: 63 Resp: 7337

Ion Ratio Lower Upper

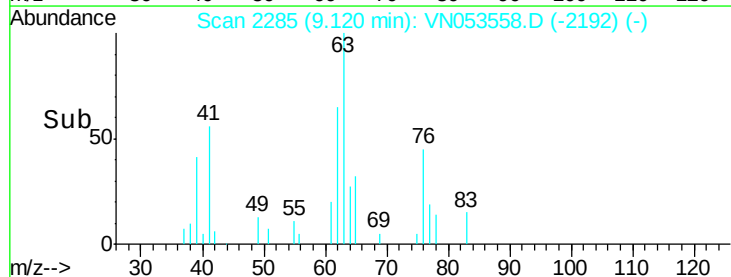
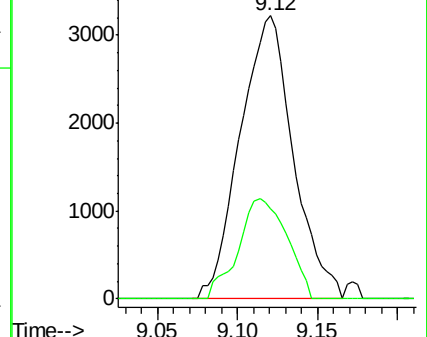
63 100

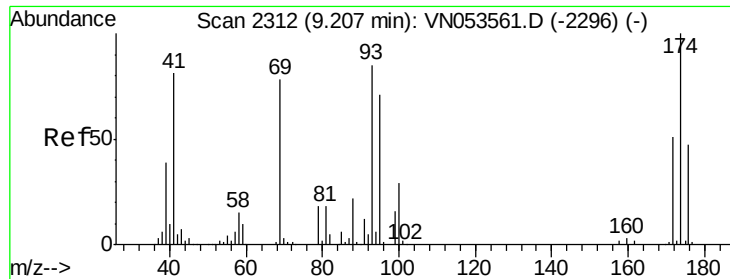
65 31.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





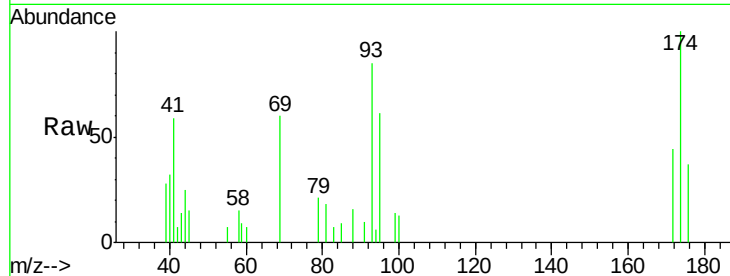
#46
 Dibromomethane
 Concen: 1.056 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

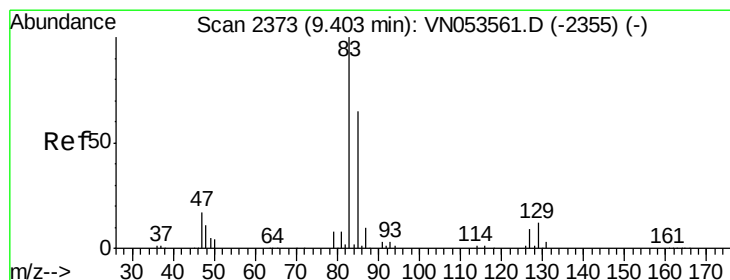
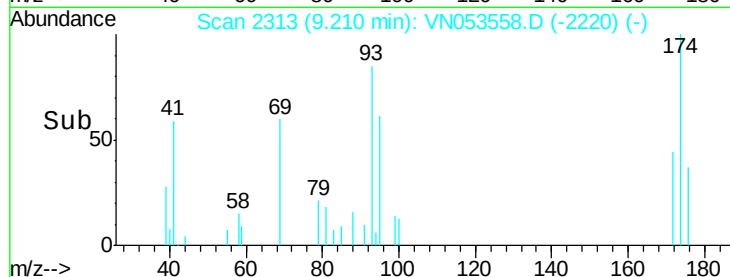
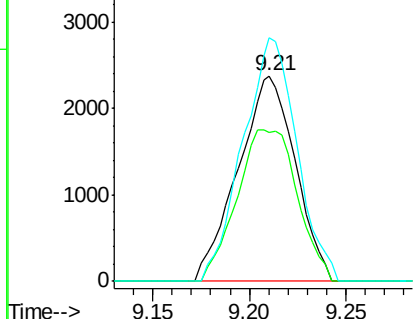
Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.8	67.3	100.9
174	112.1	91.0	136.4

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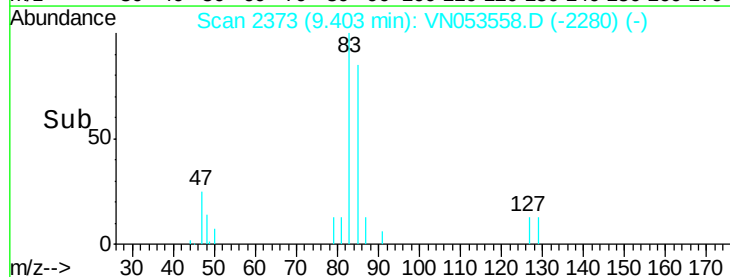
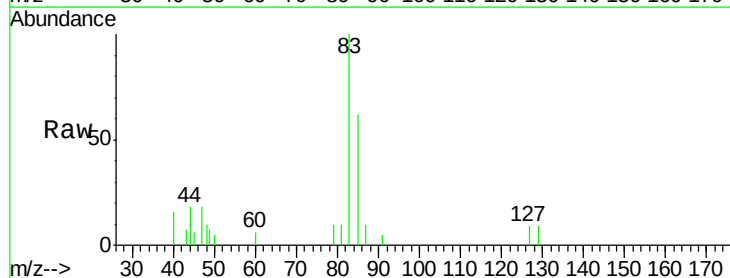
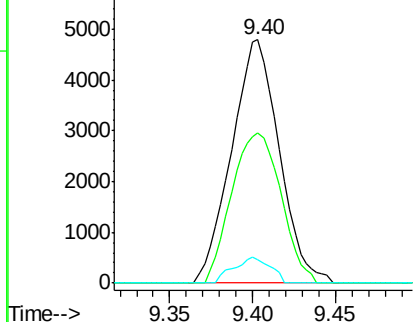
Abundance Ion 92.80 (92.50 to 93.50): VN053558.D (-2220) (-)
 Ion 94.80 (94.50 to 95.50): VN053558.D (-2220) (-)
 Ion 173.70 (173.40 to 174.40): VN053558.D (-2220) (-)

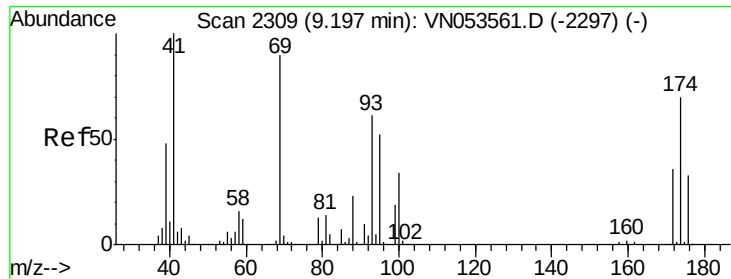


#47
 Bromodichloromethane
 Concen: 0.985 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.0	76.6
127	9.4	7.0	10.6

Abundance Ion 82.90 (82.60 to 83.60): VN053558.D (-2280) (-)
 Ion 84.90 (84.60 to 85.60): VN053558.D (-2280) (-)
 Ion 126.80 (126.50 to 127.50): VN053558.D (-2280) (-)





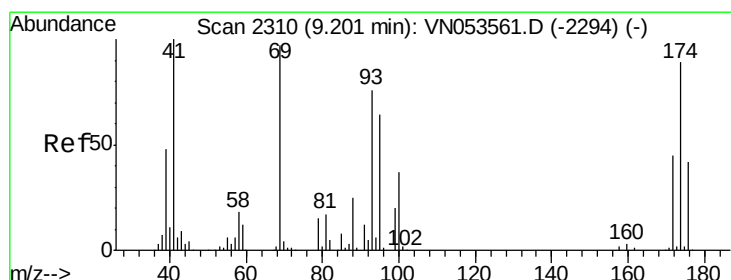
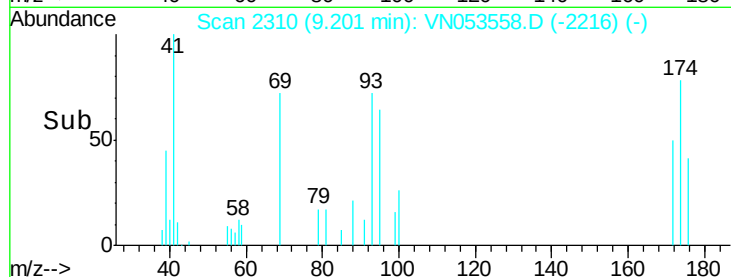
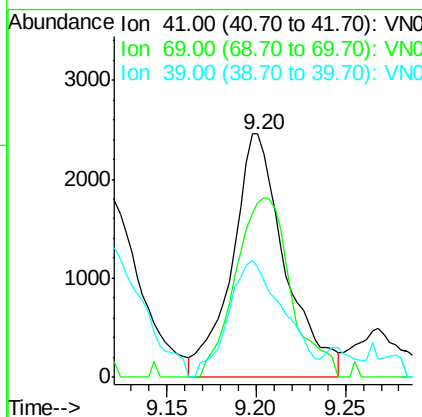
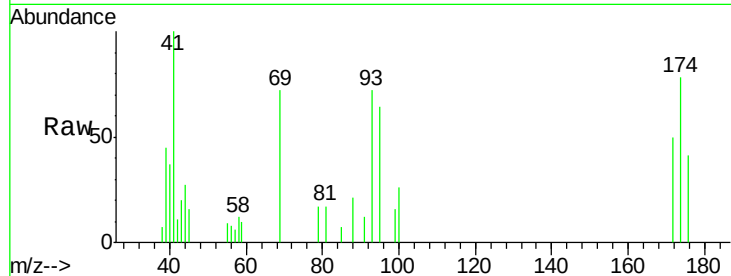
#48
Methyl methacrylate
Concen: 0.950 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion: 41 Resp: 5084
Ion Ratio Lower Upper
41 100
69 77.1 73.8 110.6
39 50.7 40.0 60.0

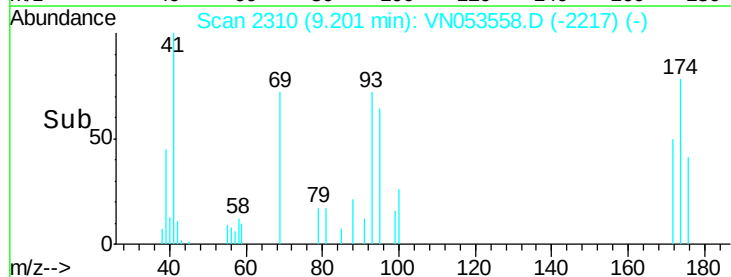
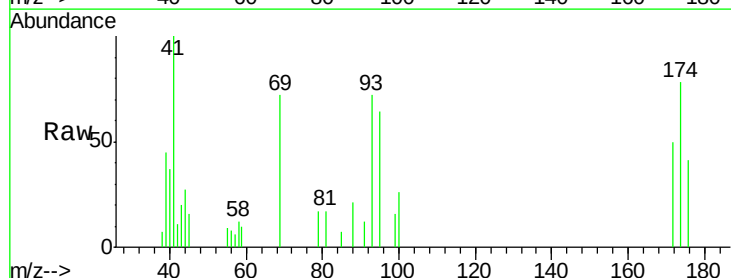
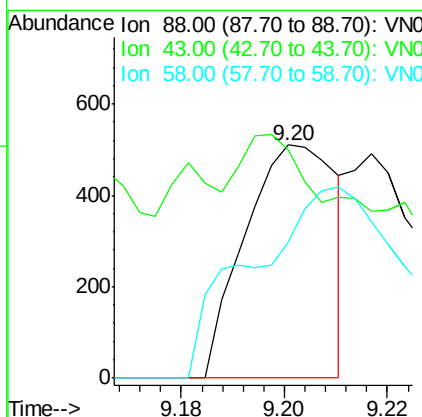
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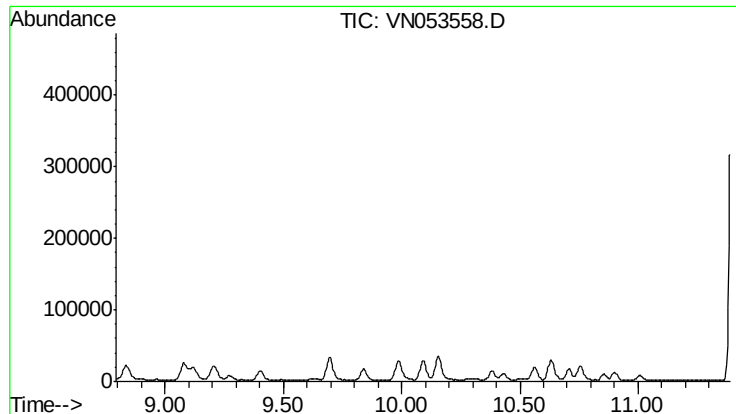
MMDadoda
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#49
1,4-Dioxane
Concen: 11.907 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion: 88 Resp: 622
Ion Ratio Lower Upper
88 100
43 50.5 27.8 41.6#
58 156.1 56.5 84.7#





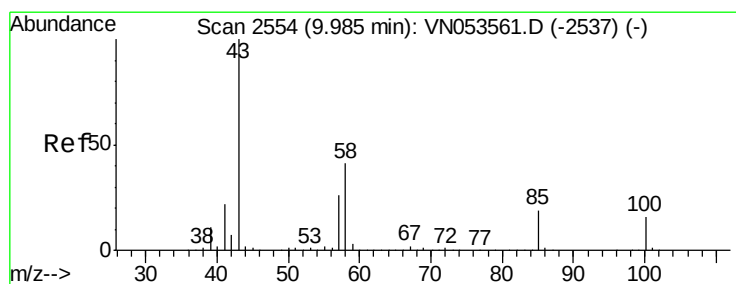
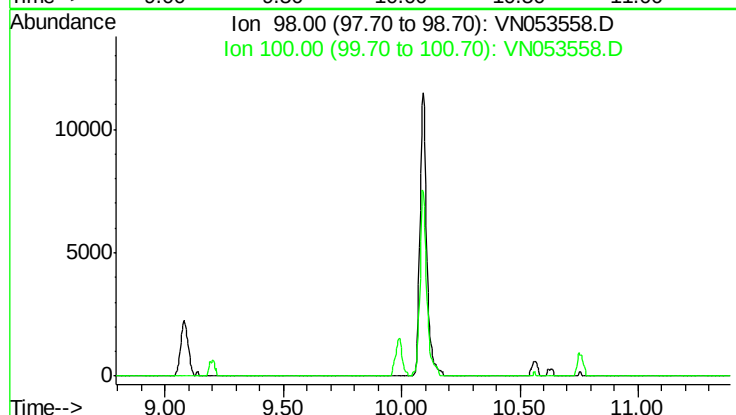
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.2

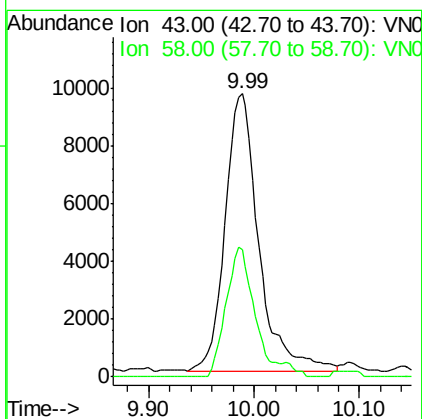
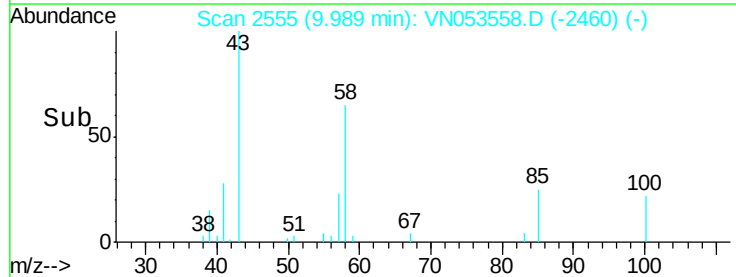
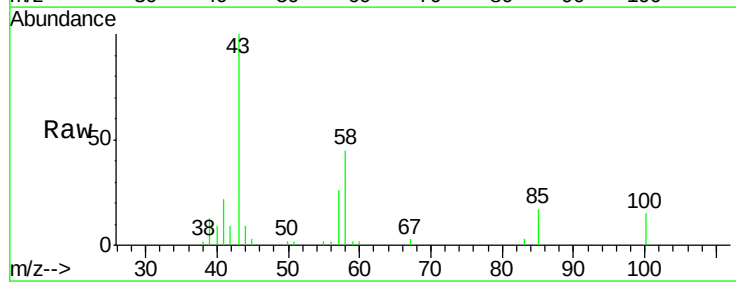
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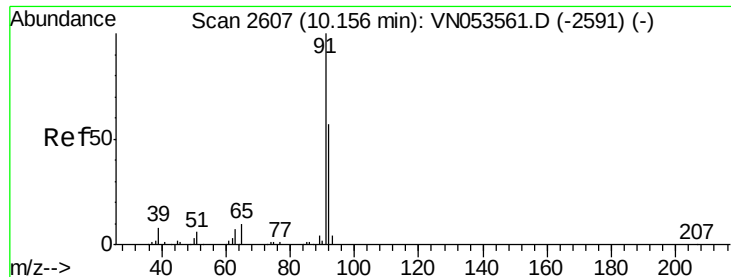
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#51
4-Methyl-2-Pentanone
Concen: 3.778 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.01 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion: 43 Resp: 21365
Ion Ratio Lower Upper
43 100
58 38.8 32.8 49.2





#52

Toluene

Concen: 0.855 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 16150

Ion Ratio Lower Upper

92 100

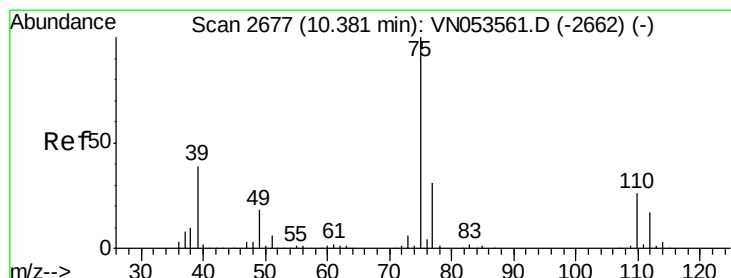
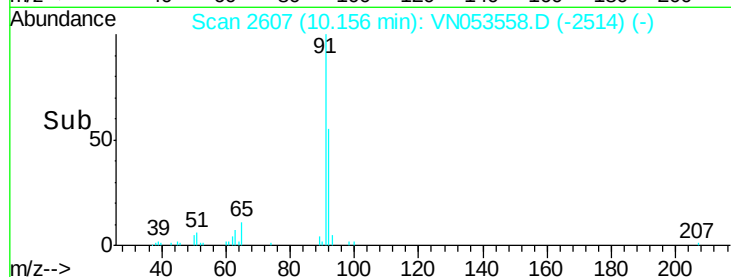
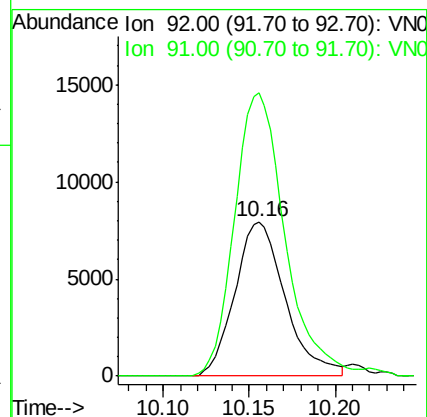
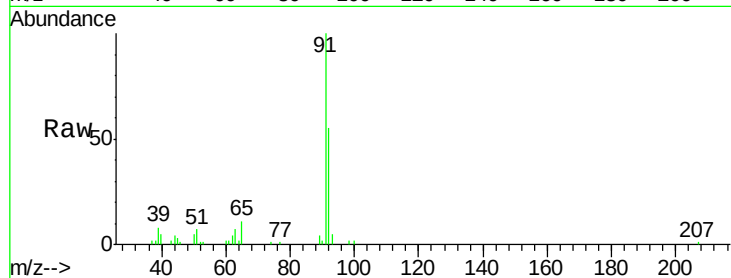
91 183.5 139.9 209.9

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#53

t-1,3-Dichloropropene

Concen: 0.866 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053558.D

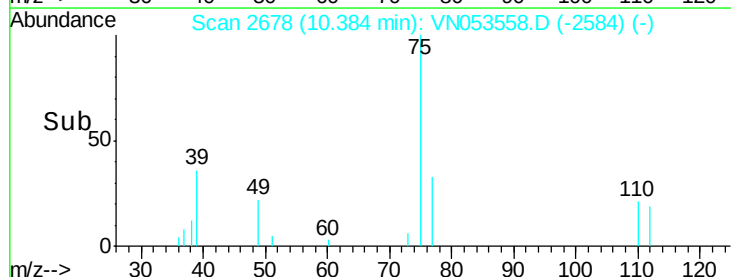
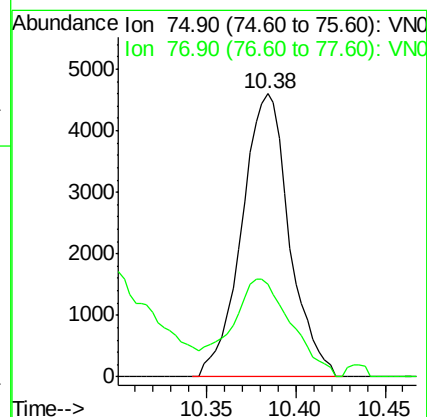
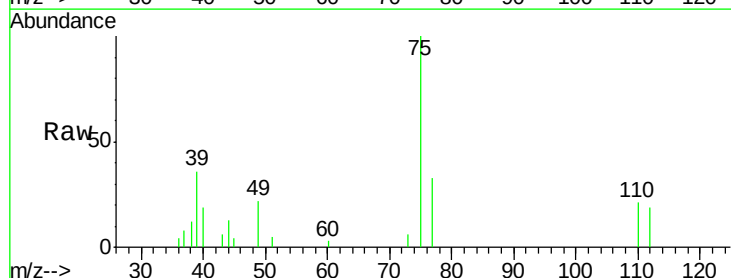
Acq: 30 Jan 2019 8:53

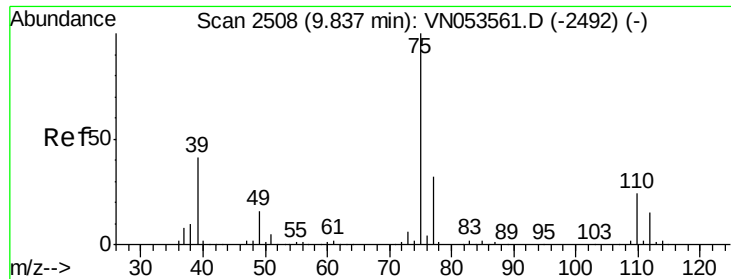
Tgt Ion: 75 Resp: 8550

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 0.935 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

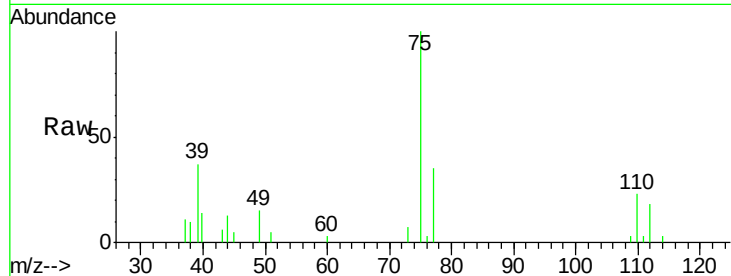
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	10817
Ion Ratio		Lower	Upper
75	100		
77	34.8	25.8	38.6
39	36.5	33.4	50.0

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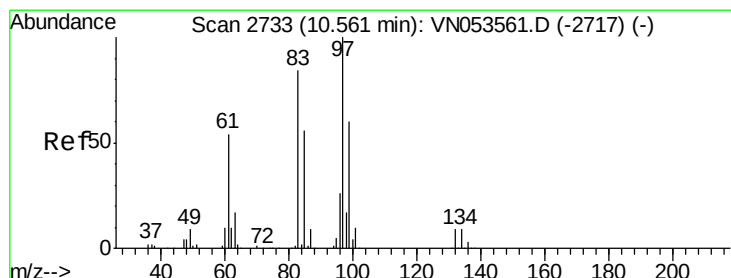
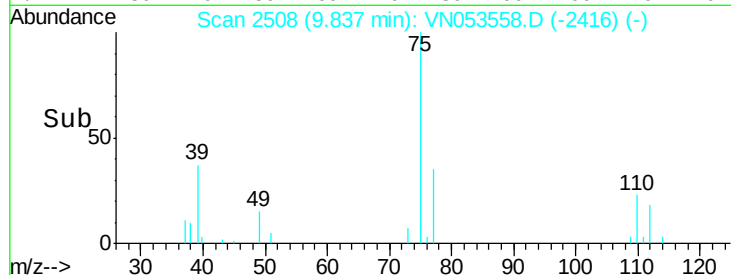
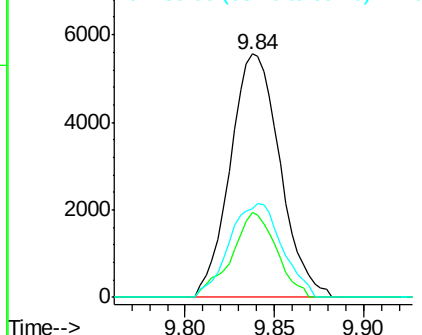
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.933 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

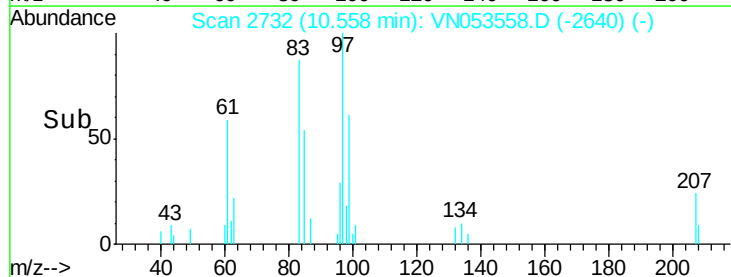
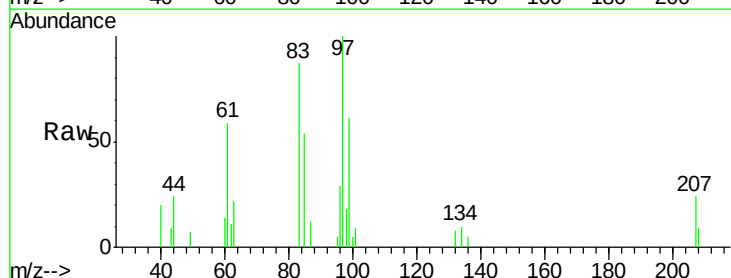
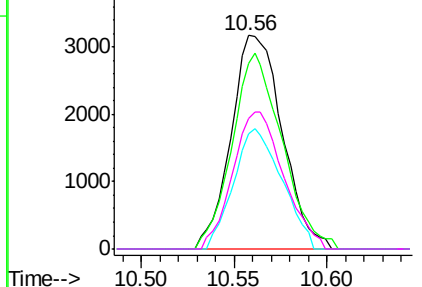
Tgt Ion:	97	Resp:	6075
Ion Ratio		Lower	Upper
97	100		
83	87.1	70.1	105.1
85	53.9	45.4	68.0
99	61.0	49.8	74.8

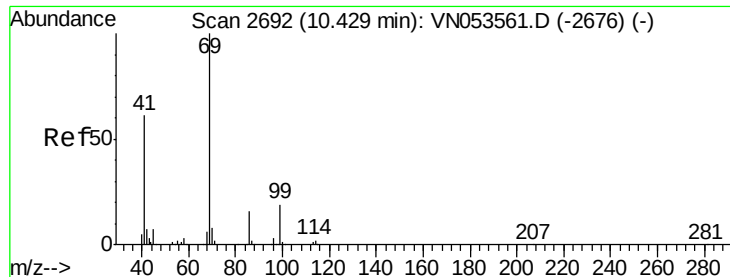
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.742 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

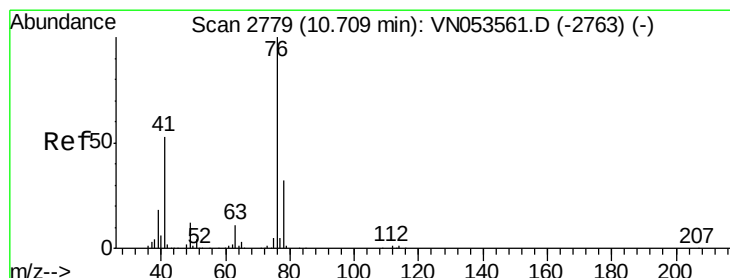
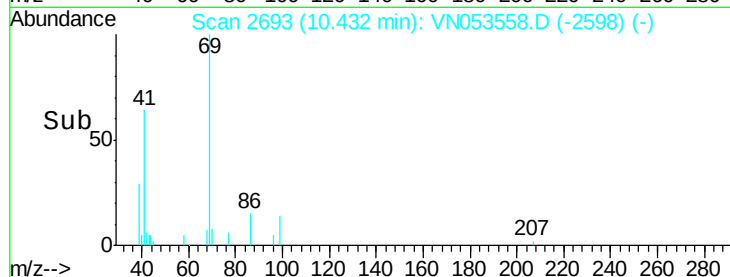
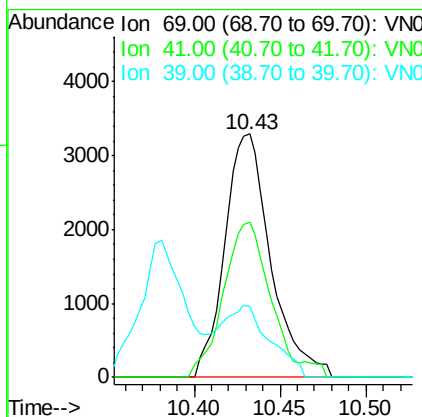
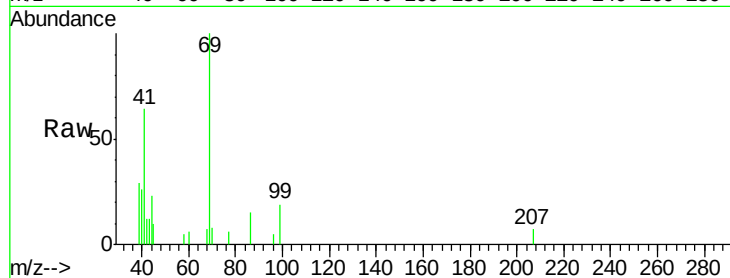
ClientSampled :

VSTDIC001

Tgt Ion:	69	Resp:	6157
Ion	Ratio	Lower	Upper
69	100		
41	66.0	49.4	74.0
39	30.8	23.3	34.9

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#57

1,3-Dichloropropane

Concen: 0.946 ug/l

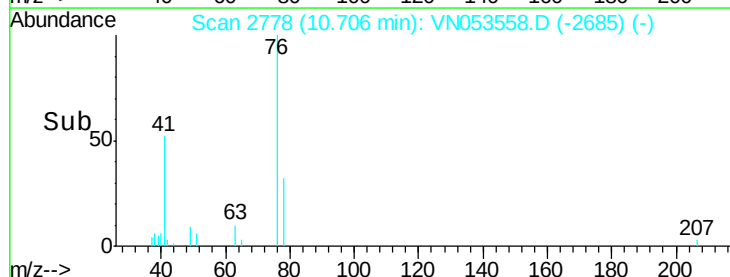
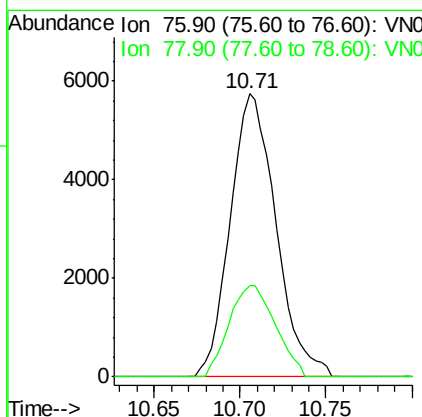
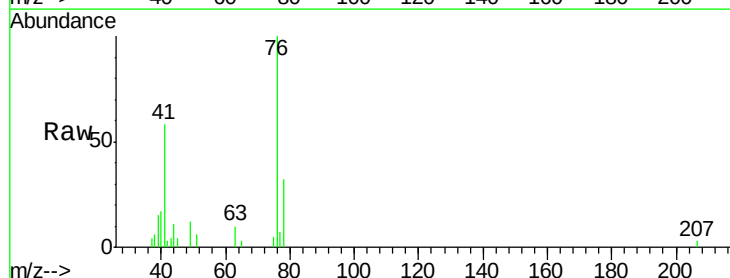
RT: 10.71 min Scan# 2778

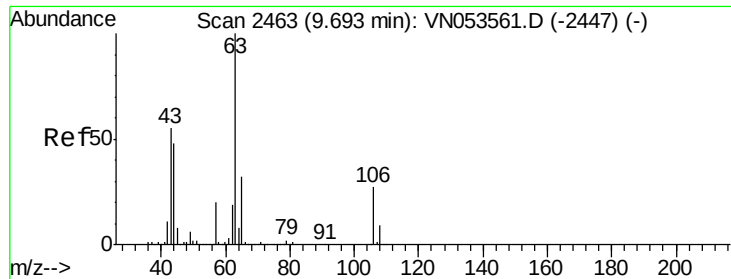
Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Tgt Ion:	76	Resp:	10661
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.6	38.4





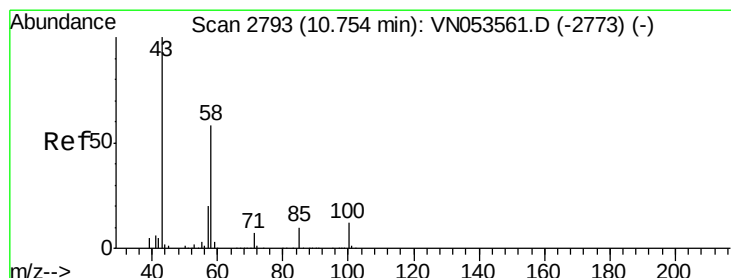
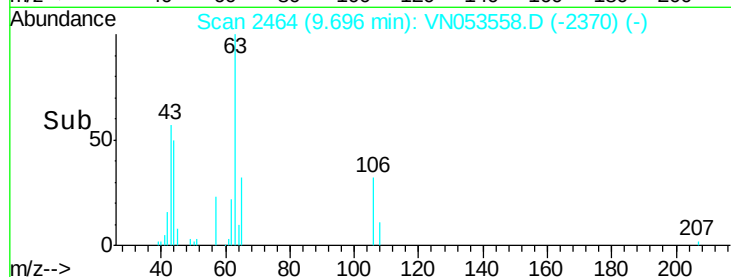
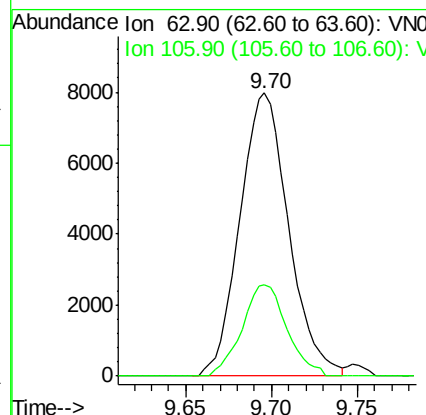
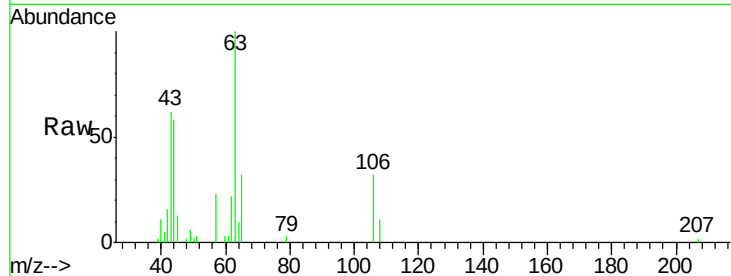
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.454 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 15738
 Ion Ratio Lower Upper
 63 100
 106 29.8 21.5 32.3

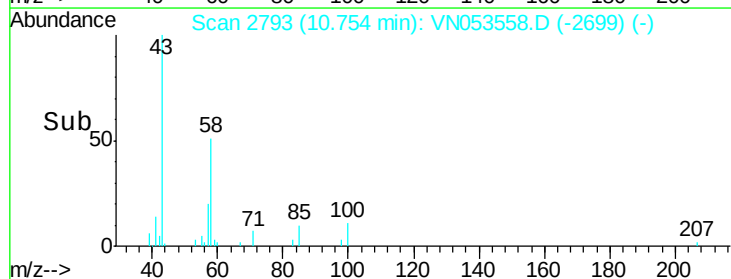
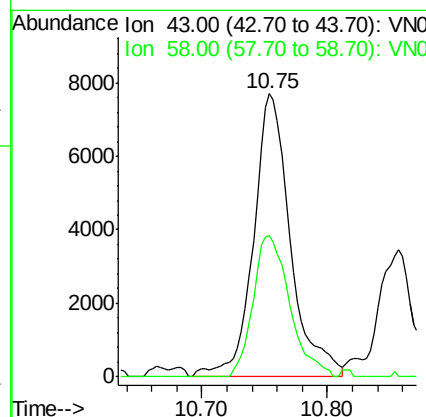
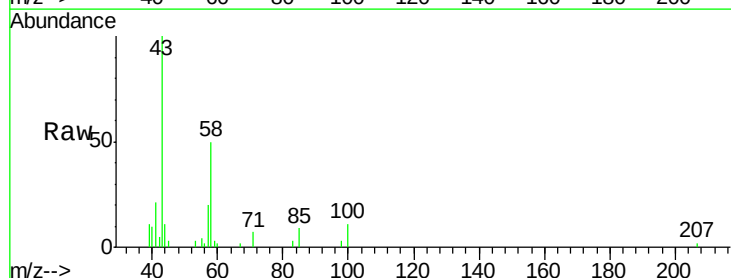
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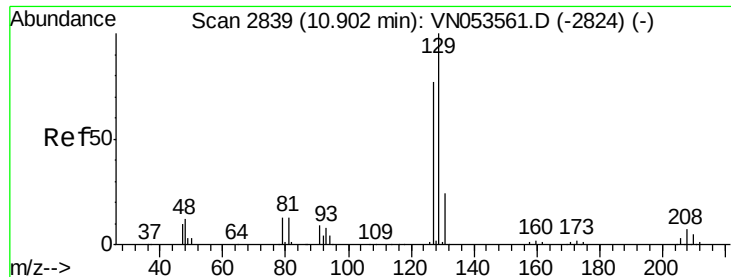
MMDadoda
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#59
 2-Hexanone
 Concen: 3.975 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion: 43 Resp: 15782
 Ion Ratio Lower Upper
 43 100
 58 49.6 28.6 85.8





#60

Dibromochloromethane

Concen: 0.879 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 6493

Ion Ratio Lower Upper

129 100

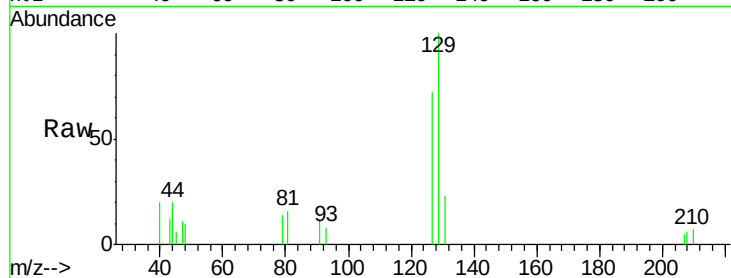
127 76.5 38.6 115.8

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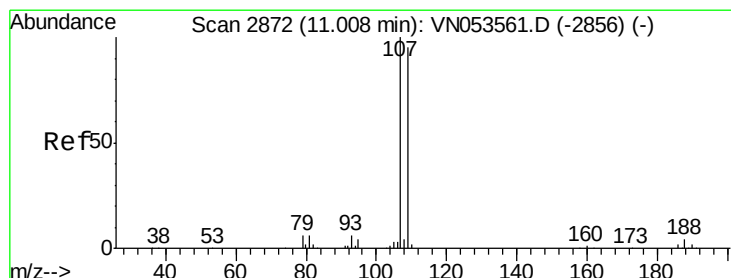
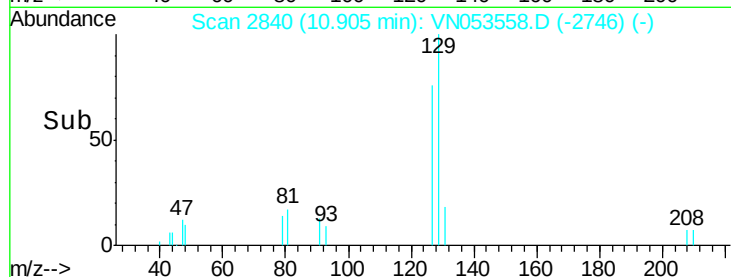
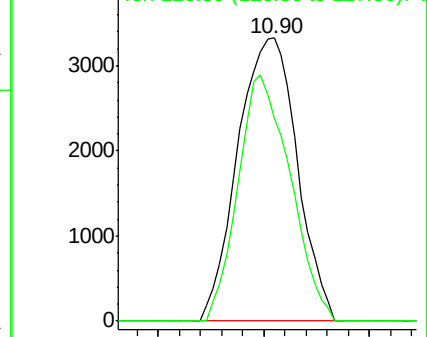
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.937 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053558.D

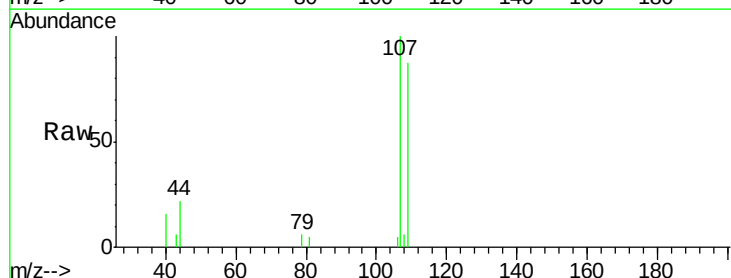
Acq: 30 Jan 2019 8:53

Tgt Ion:107 Resp: 6174

Ion Ratio Lower Upper

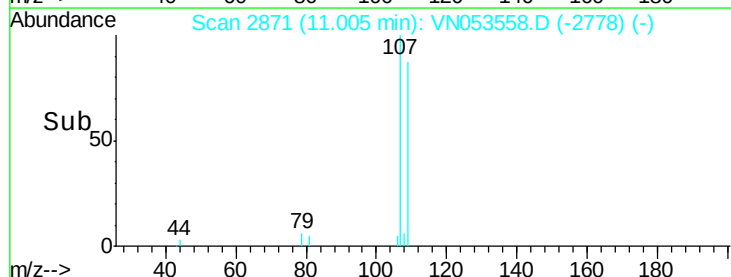
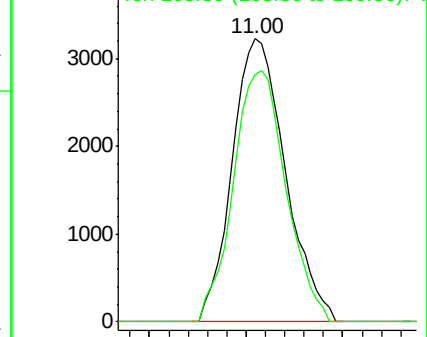
107 100

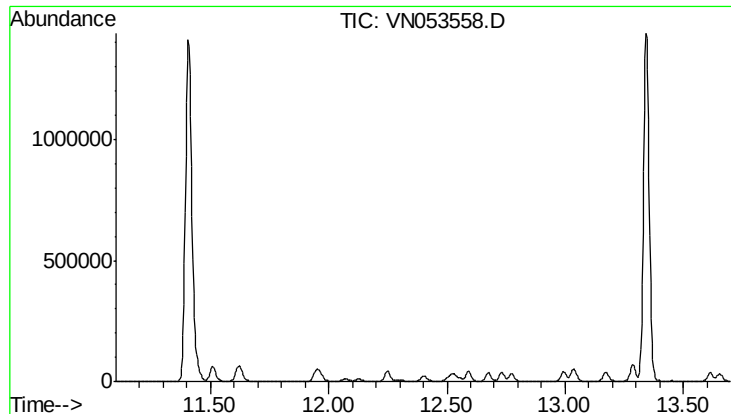
109 87.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min

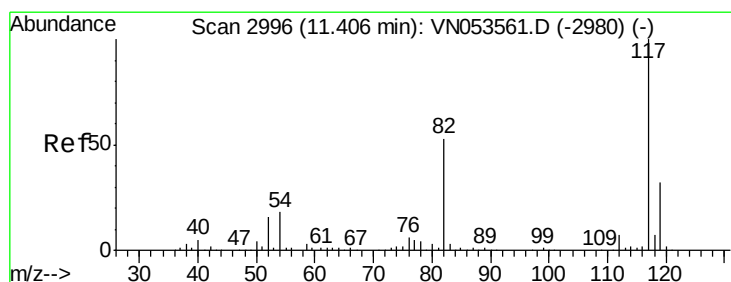
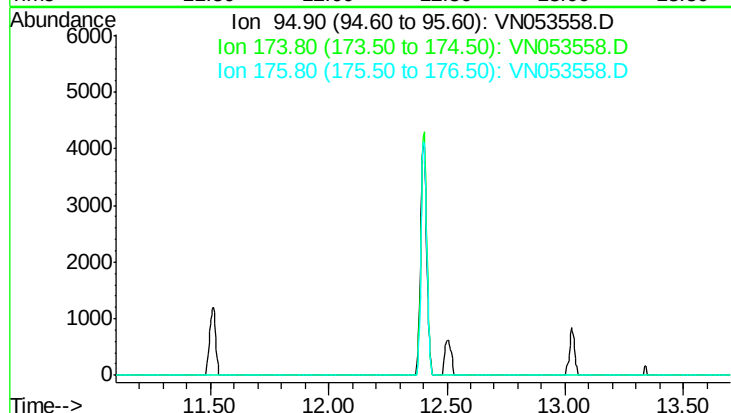
Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 95
 Sig Exp Ratio
 95 100
 174 91.6
 176 88.7

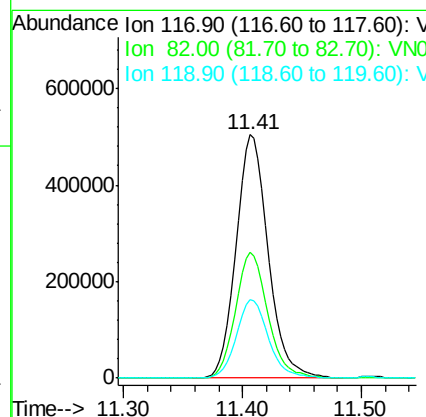
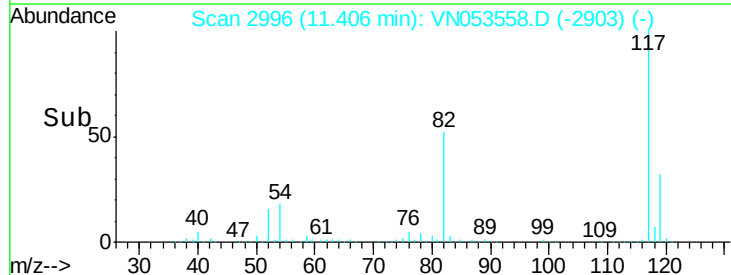
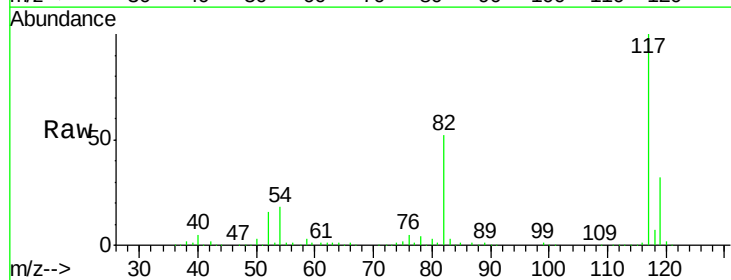
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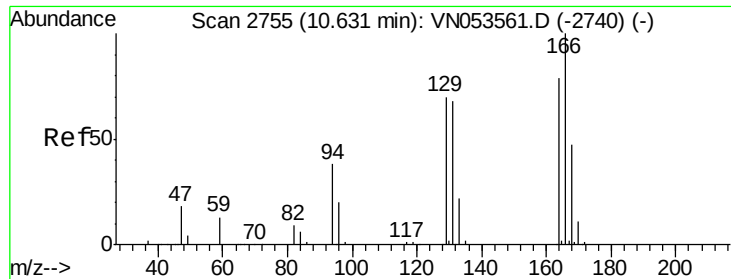
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion: 117 Resp: 941054
 Ion Ratio Lower Upper
 117 100
 82 51.6 42.9 64.3
 119 32.2 26.0 39.0





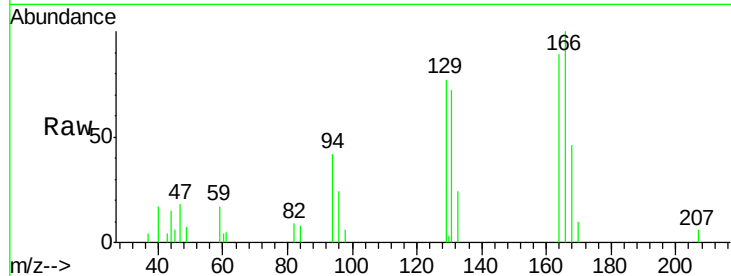
#64
Tetrachloroethene
Concen: 0.965 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

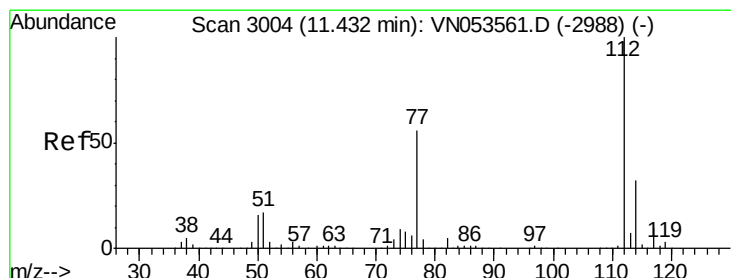
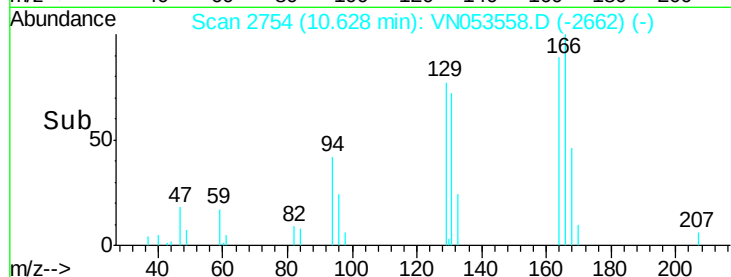
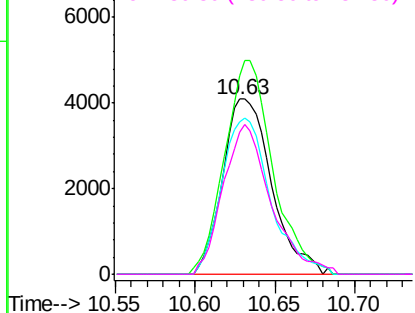
Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.0	102.2	153.4
129	87.0	72.6	109.0
131	81.1	69.5	104.3

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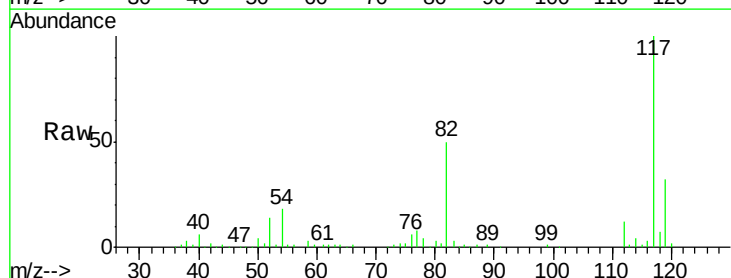


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

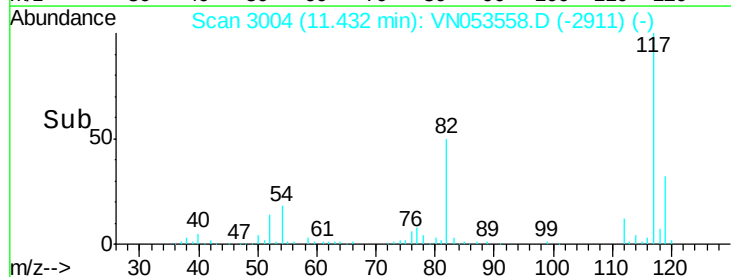
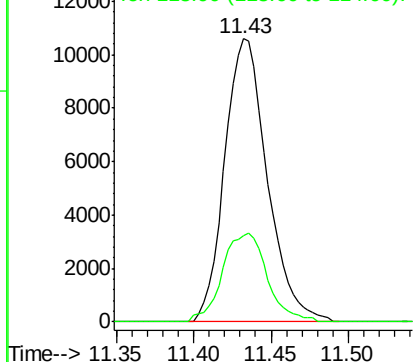


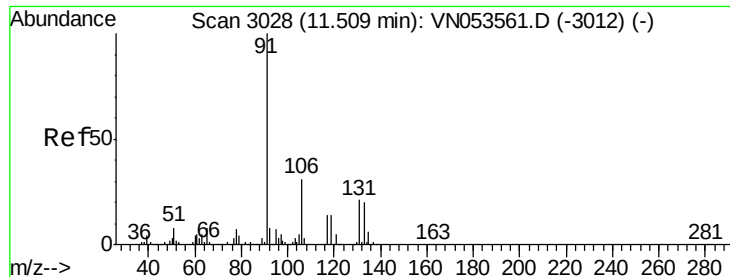
#65
Chlorobenzene
Concen: 1.018 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.967 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:131 Resp: 6701

Ion Ratio Lower Upper

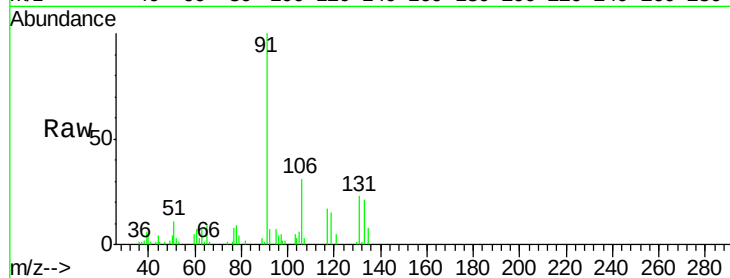
131 100

133 93.4 48.0 144.0

119 0.0 33.5 100.5#

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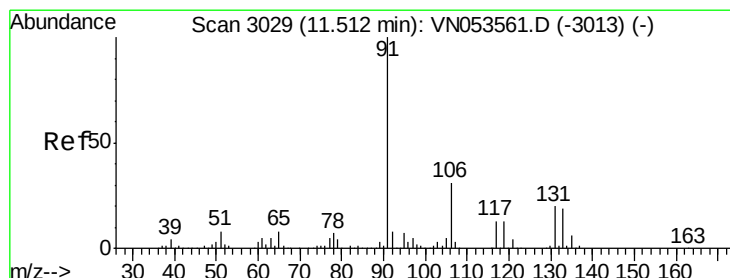
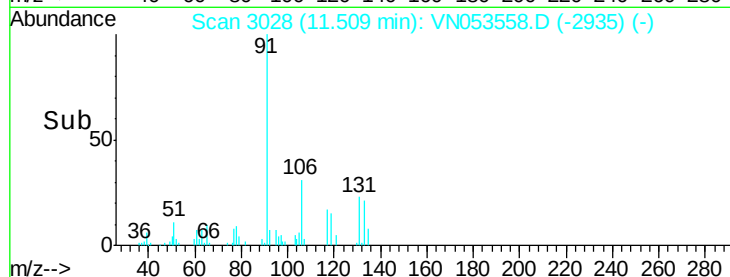
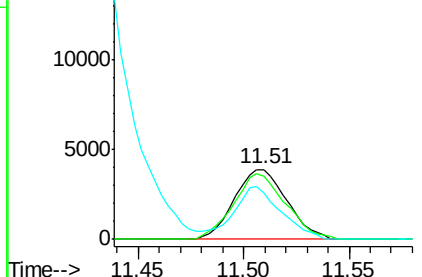
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.915 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053558.D

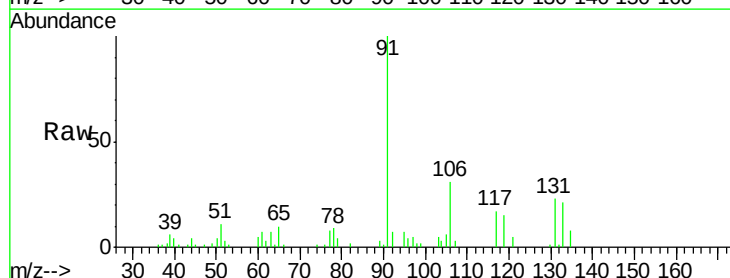
Acq: 30 Jan 2019 8:53

Tgt Ion: 91 Resp: 31073

Ion Ratio Lower Upper

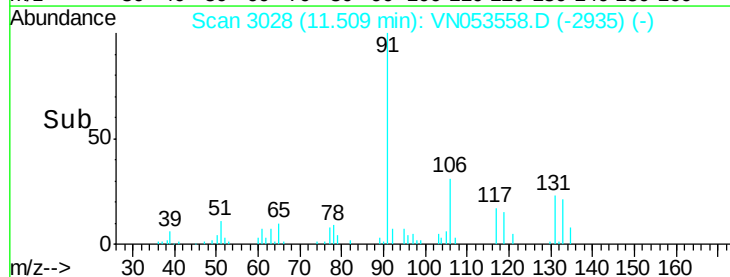
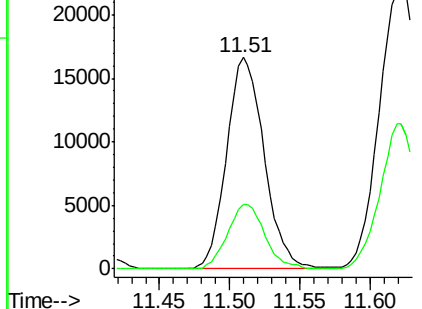
91 100

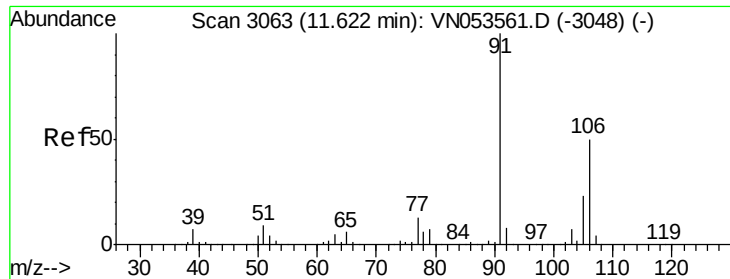
106 30.6 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





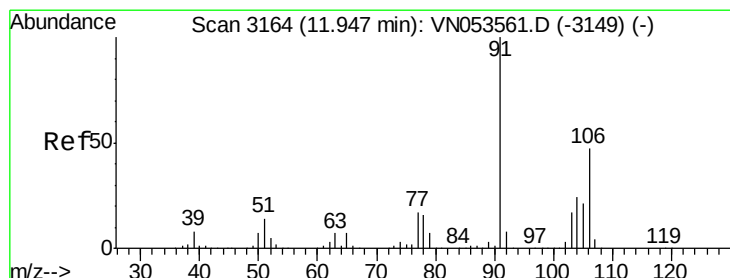
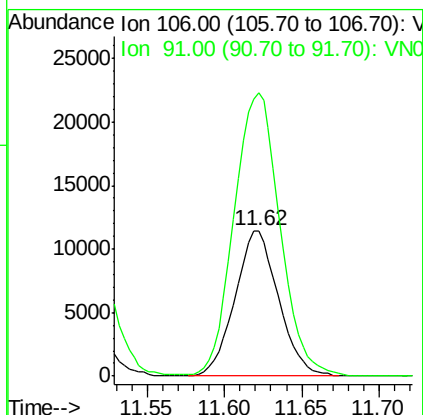
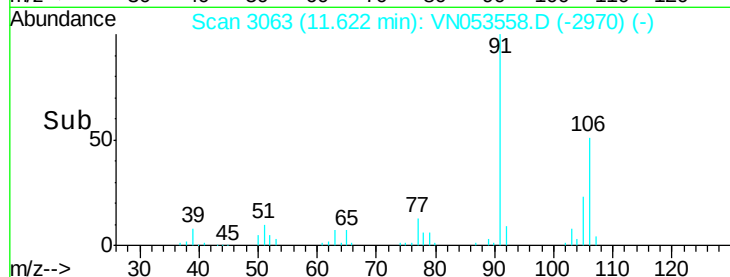
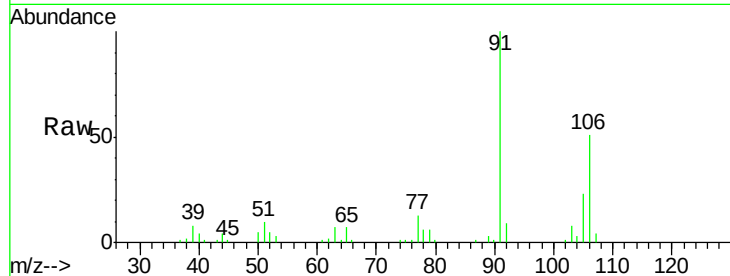
#68
m/p-Xylenes
Concen: 1.746 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion:106 Resp: 22378
Ion Ratio Lower Upper
106 100
91 205.9 161.4 242.2

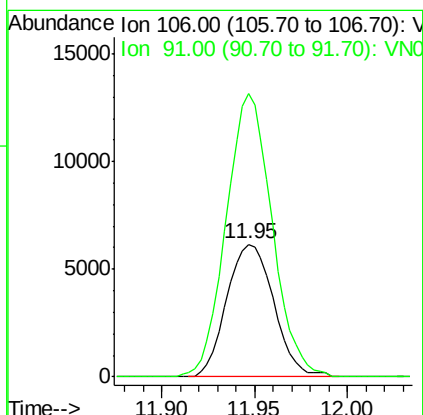
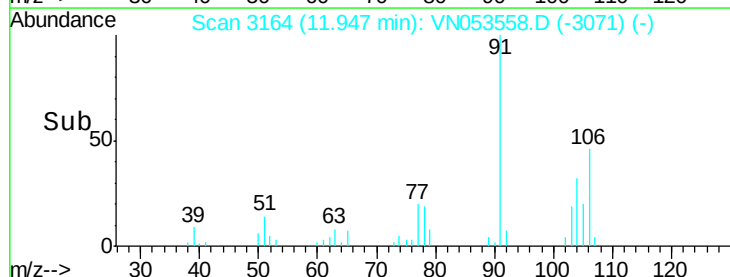
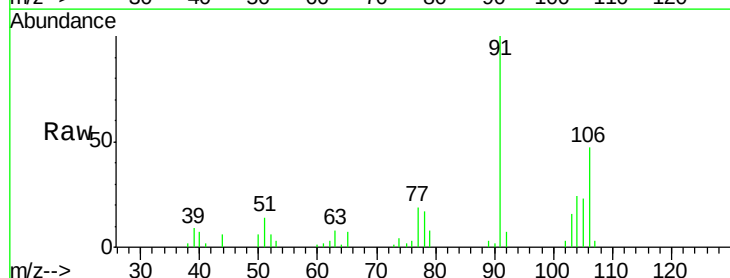
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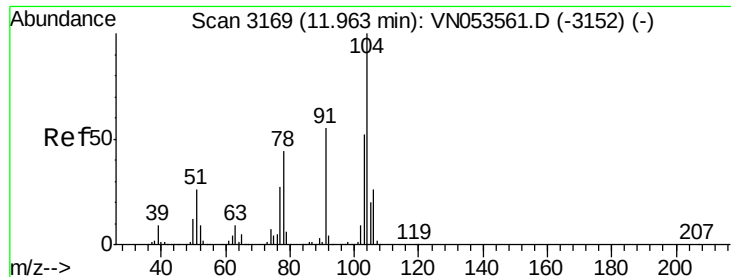
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#69
o-Xylene
Concen: 0.872 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion:106 Resp: 10864
Ion Ratio Lower Upper
106 100
91 208.6 106.9 320.8





#70

Styrene

Concen: 0.831 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

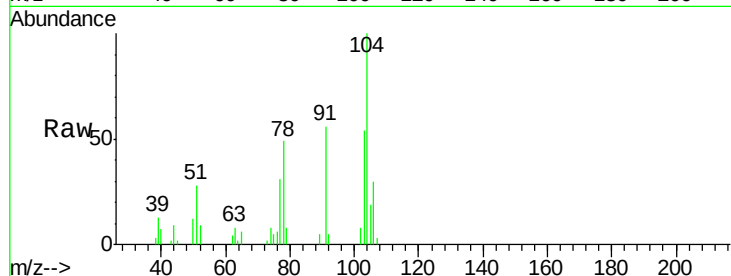
ClientSampled :

VSTDIC001

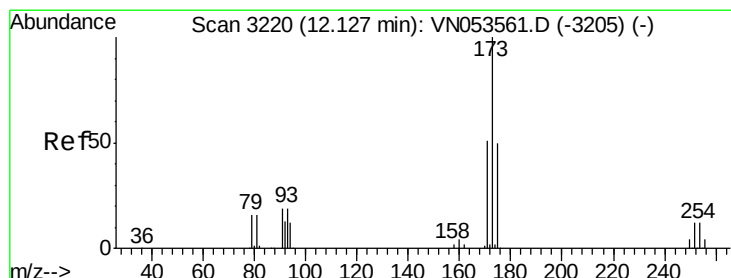
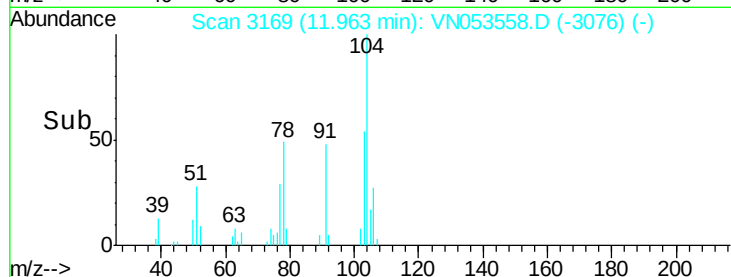
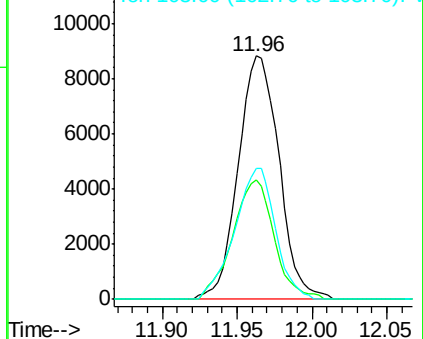
Tgt Ion:	104	Resp:	16796
Ion Ratio	Lower	Upper	
104	100		
78	49.7	38.2	57.2
103	53.7	44.4	66.6

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



#71

Bromoform

Concen: 0.835 ug/l

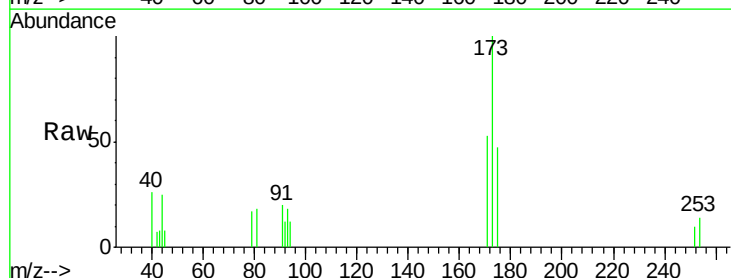
RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

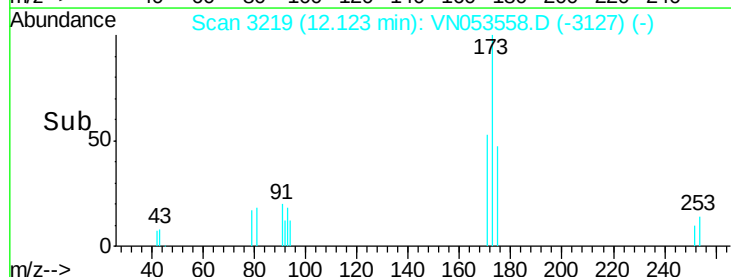
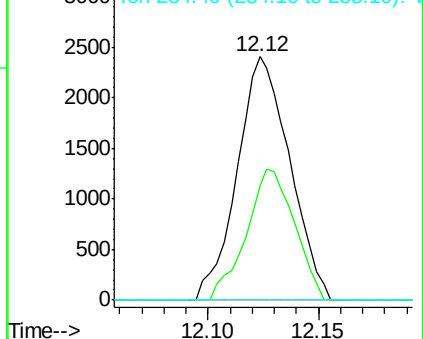
Lab File: VN053558.D

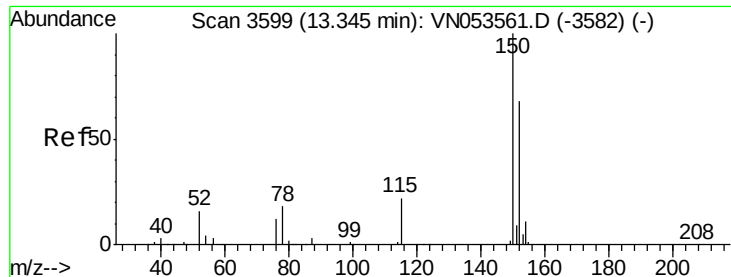
Acq: 30 Jan 2019 8:53

Tgt Ion:	173	Resp:	3984
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

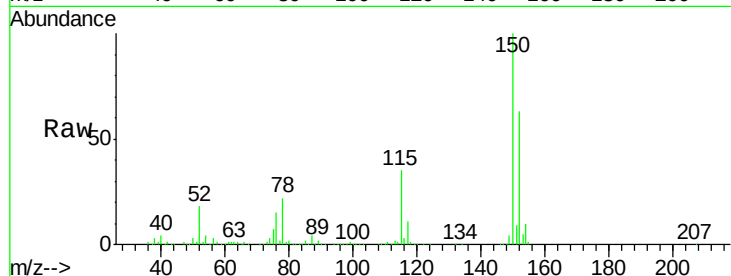
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	157.1	0.0	349.0

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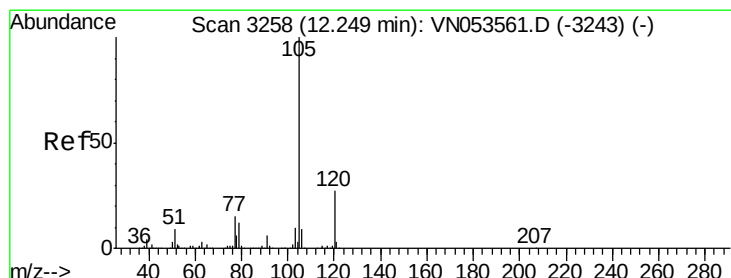
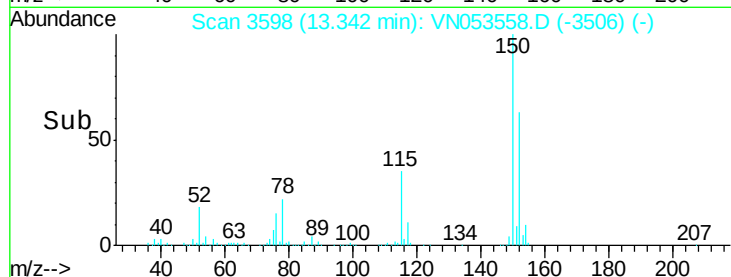
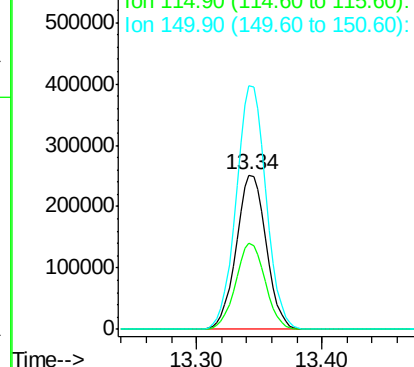


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.915 ug/l

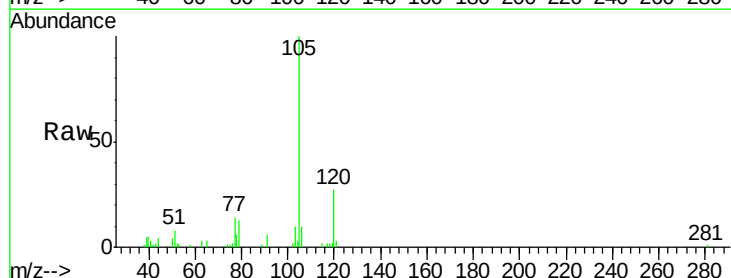
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

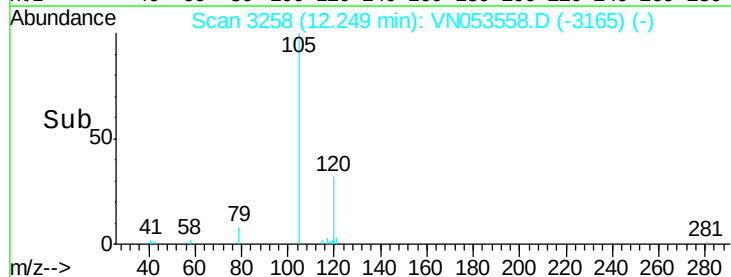
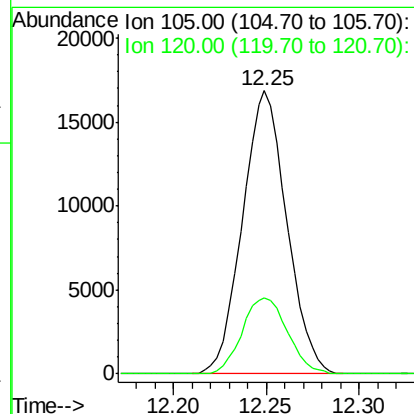
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7

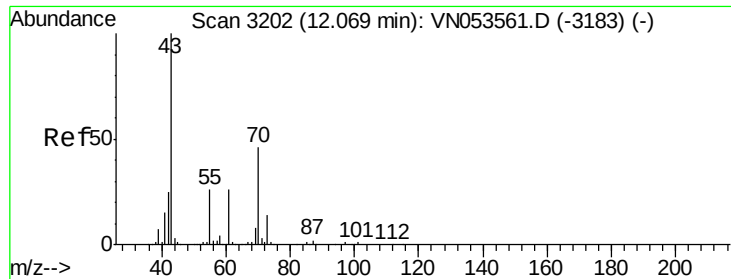


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.741 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

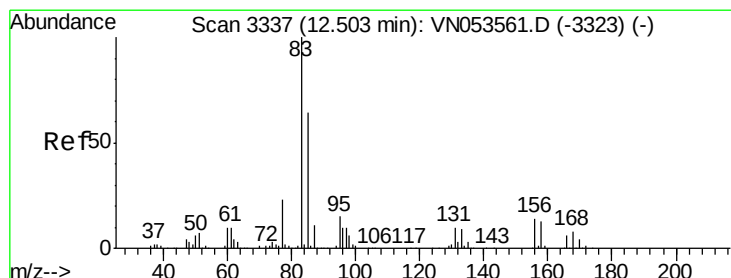
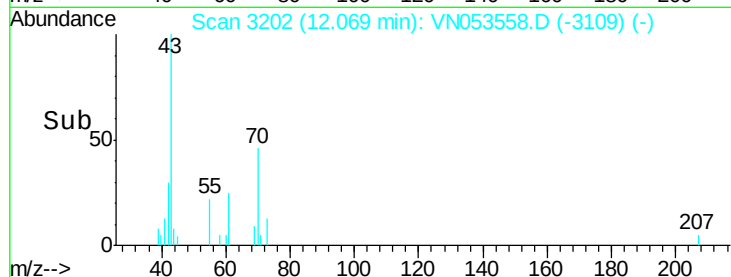
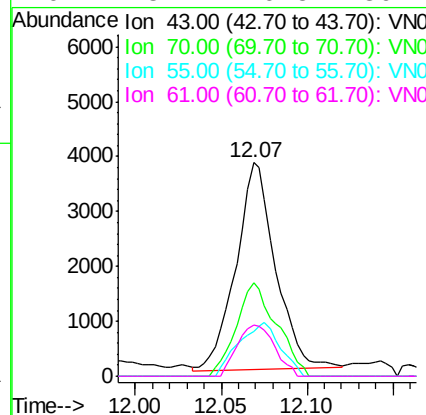
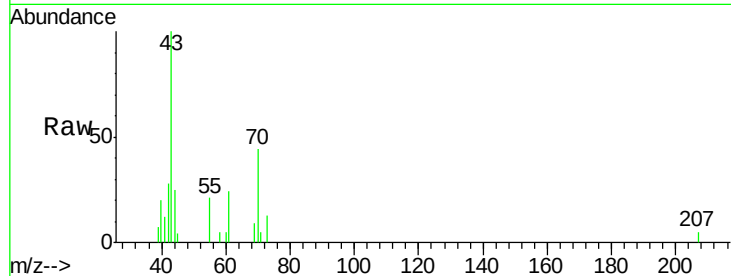
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.8	35.4	53.2
55	27.0	20.9	31.3
61	23.4	20.5	30.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.160 ug/l

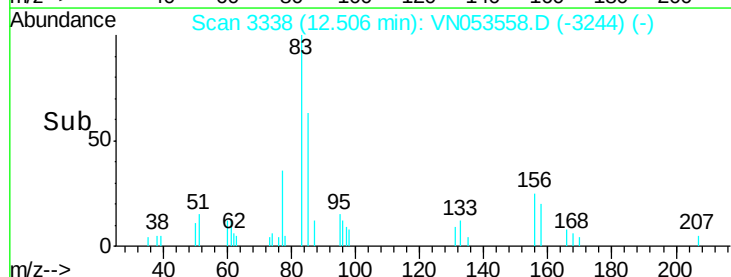
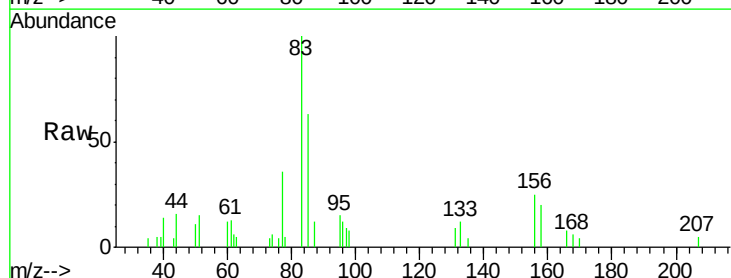
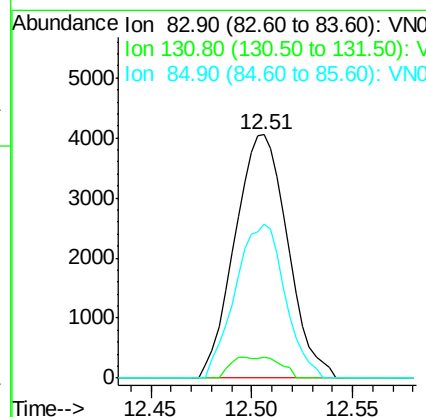
RT: 12.51 min Scan# 3338

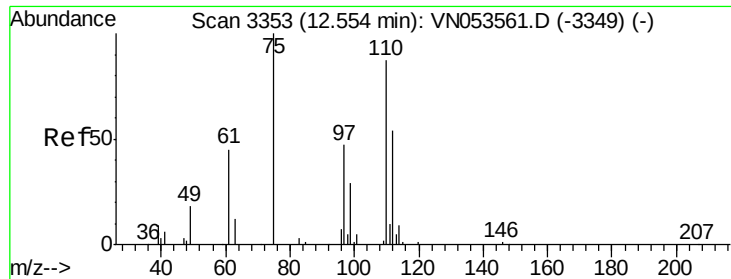
Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.8	5.3	15.8#
85	59.5	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.024 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 5612

Ion Ratio Lower Upper

75 100

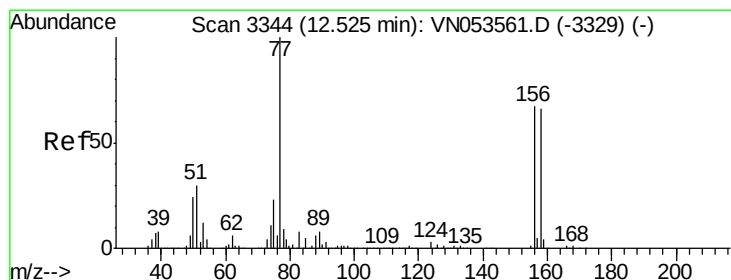
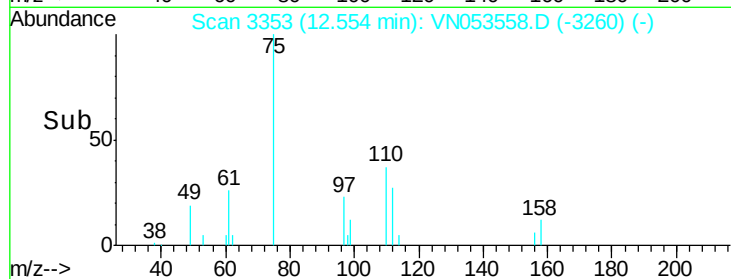
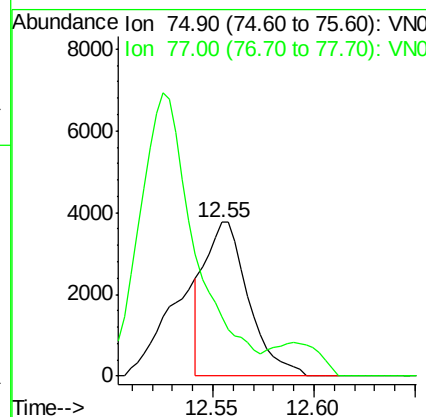
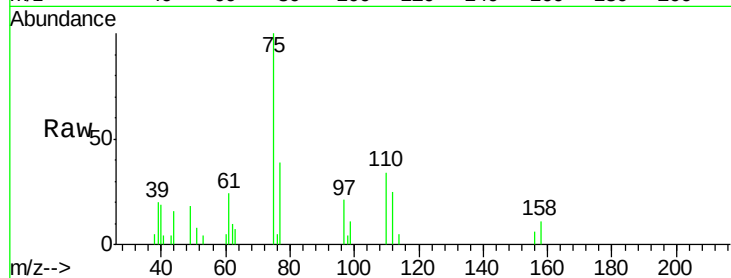
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 0.963 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

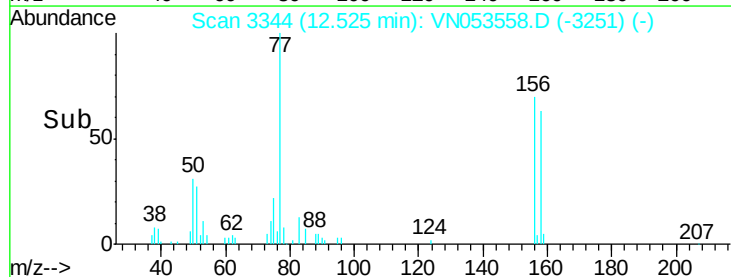
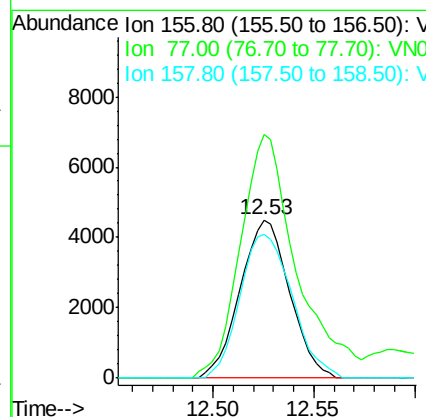
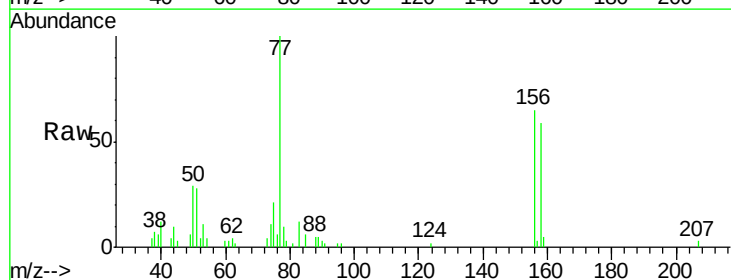
Tgt Ion: 156 Resp: 7734

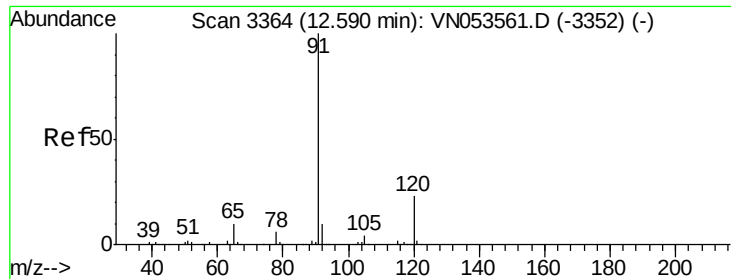
Ion Ratio Lower Upper

156 100

77 174.2 87.9 263.8

158 95.9 48.8 146.4





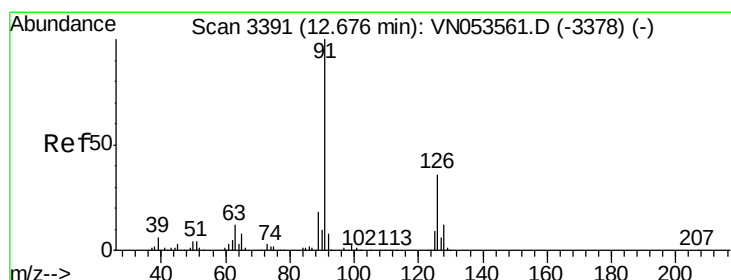
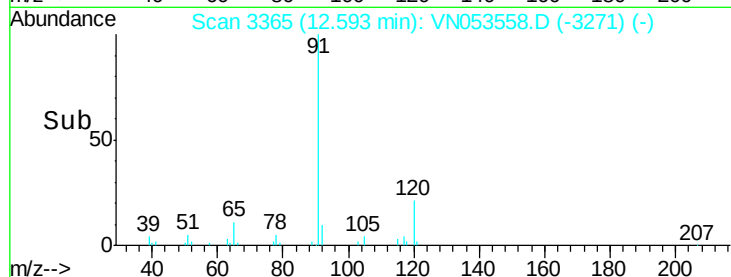
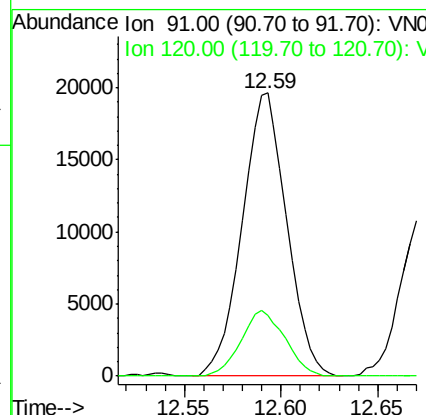
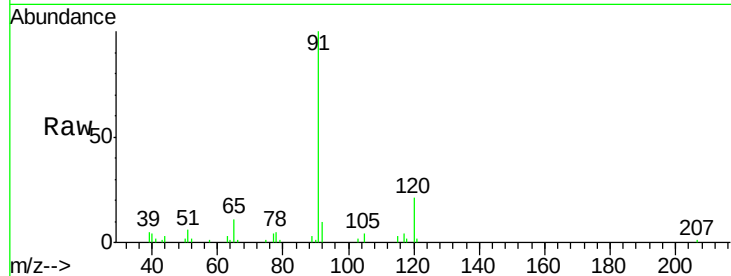
#78
n-propylbenzene
Concen: 0.897 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion: 91 Resp: 31378
Ion Ratio Lower Upper
91 100
120 22.9 11.9 35.5

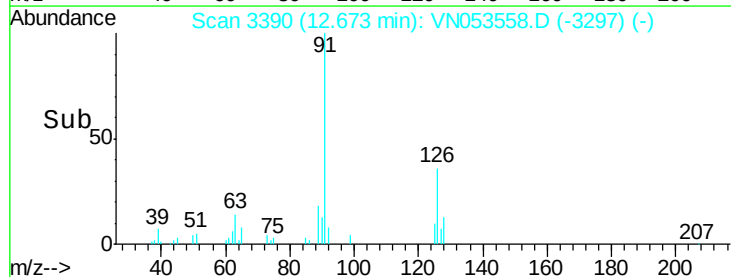
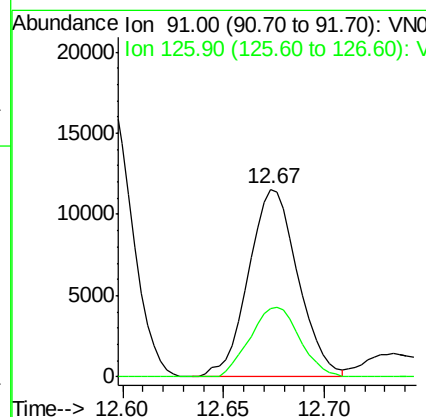
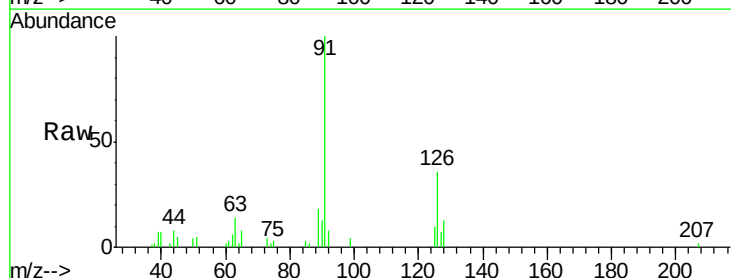
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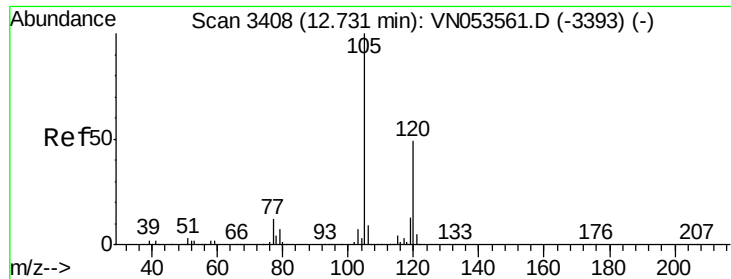
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#79
2-Chlorotoluene
Concen: 0.956 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion: 91 Resp: 19824
Ion Ratio Lower Upper
91 100
126 37.2 17.9 53.7





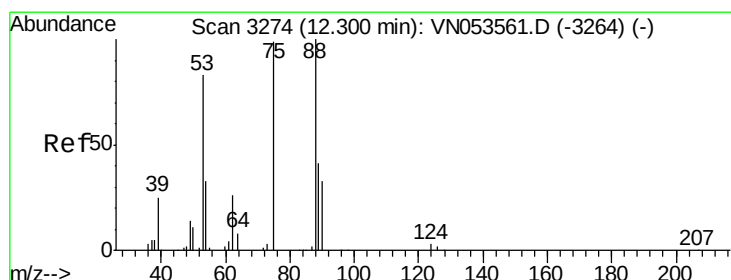
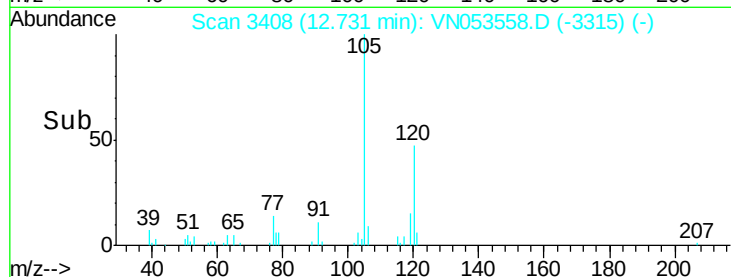
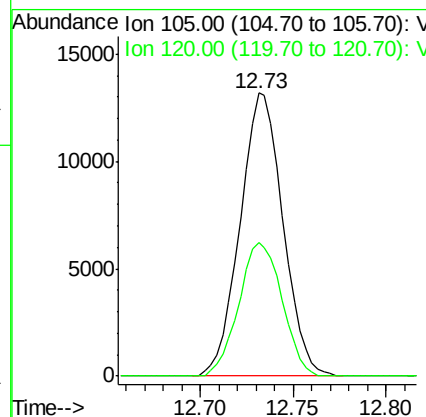
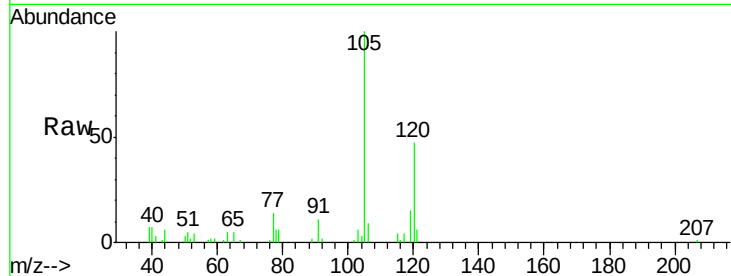
#80
 1,3,5-Trimethylbenzene
 Concen: 0.853 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.9	74.6

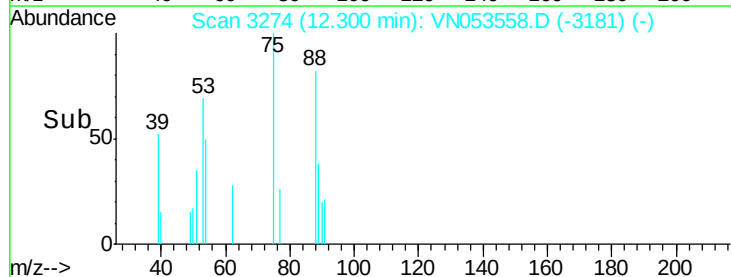
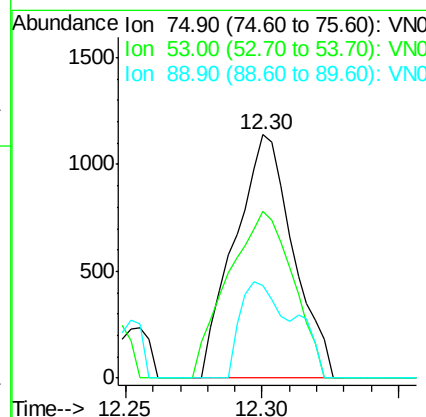
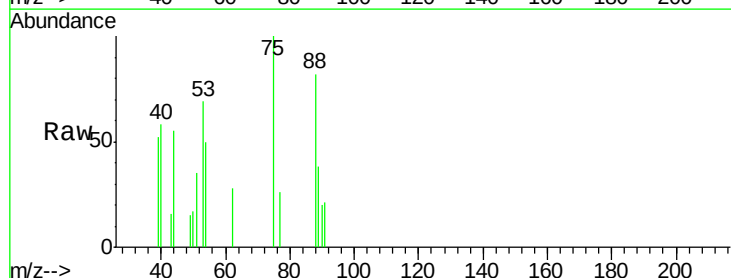
Manual Integrations
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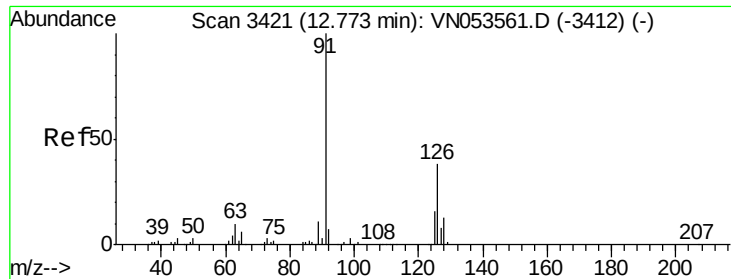
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.882 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
75	100		
53	76.5	69.8	104.6
89	36.5	35.6	53.4





#82

4-Chlorotoluene

Concen: 0.934 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 91 Resp: 19741

Ion Ratio Lower Upper

91 100

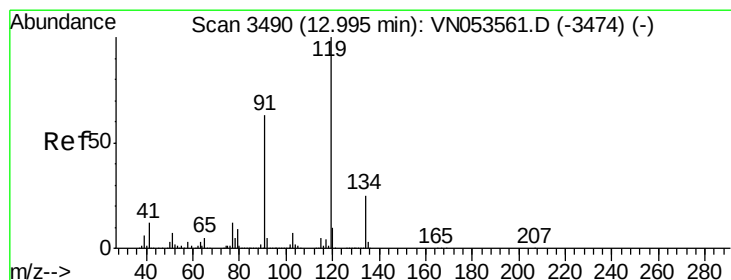
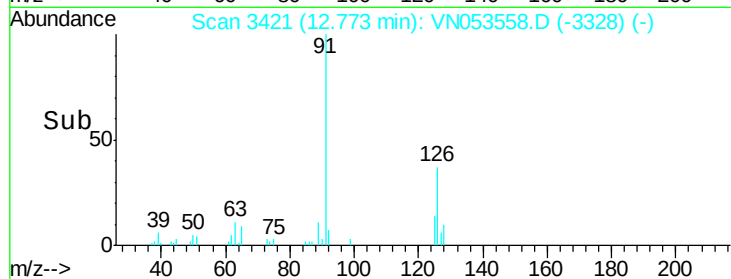
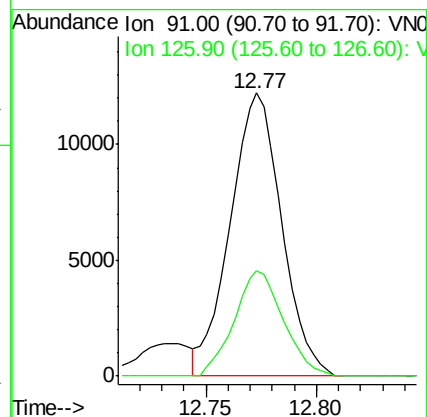
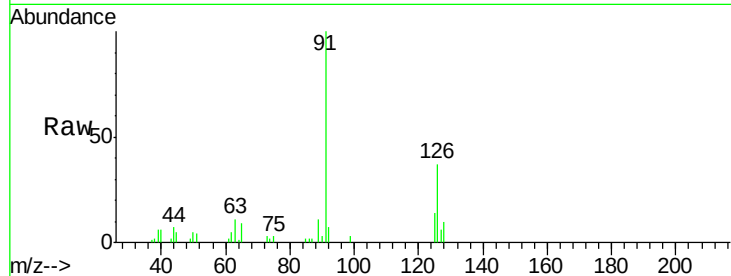
126 35.6 17.6 52.9

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#83

tert-Butylbenzene

Concen: 0.915 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

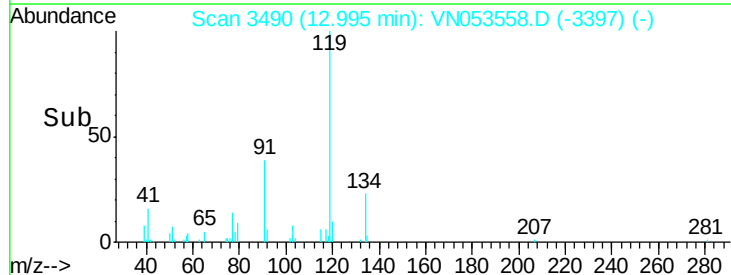
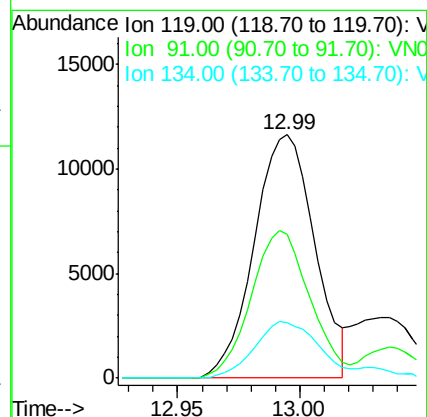
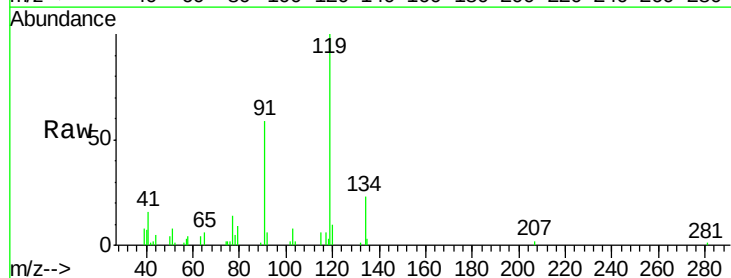
Tgt Ion: 119 Resp: 20023

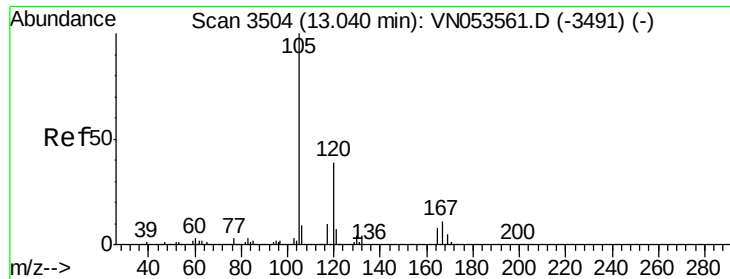
Ion Ratio Lower Upper

119 100

91 59.0 31.3 93.8

134 24.2 12.9 38.7





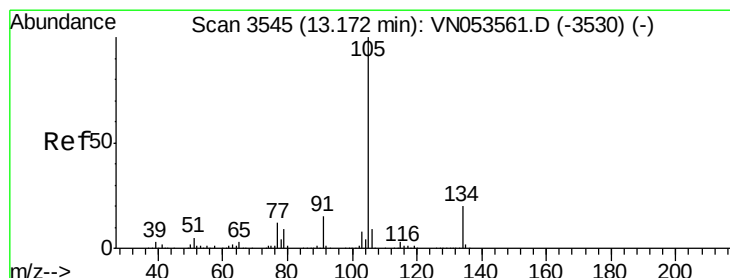
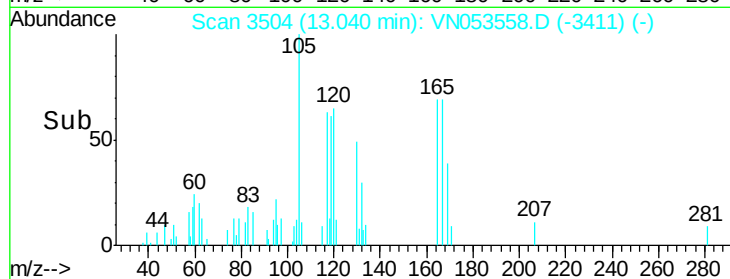
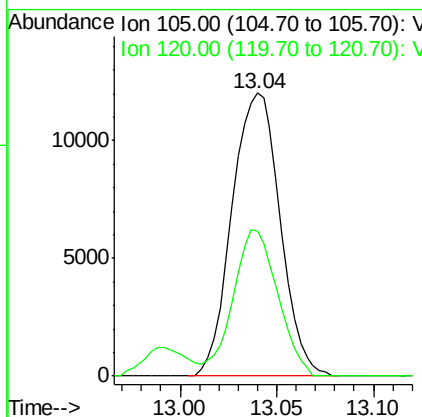
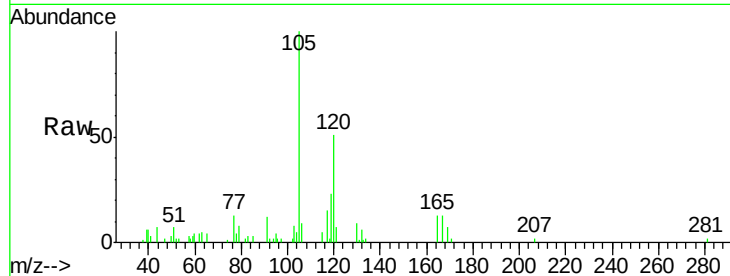
#84
1,2,4-Trimethylbenzene
Concen: 0.831 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion:105 Resp: 20774
Ion Ratio Lower Upper
105 100
120 47.8 23.0 69.0

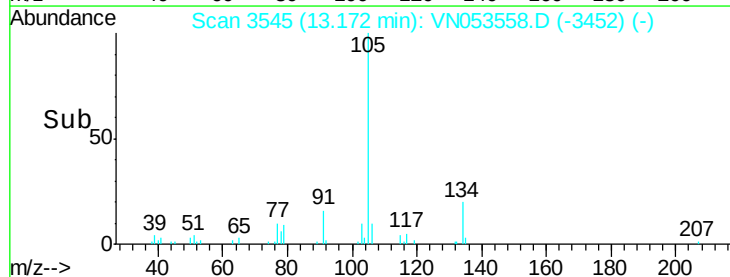
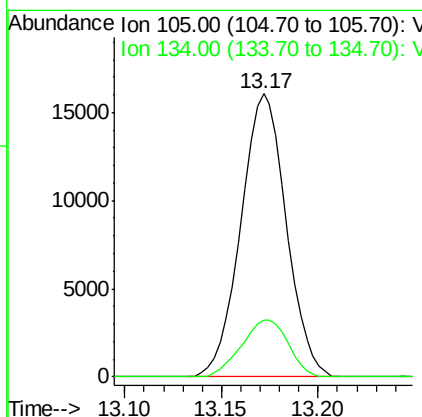
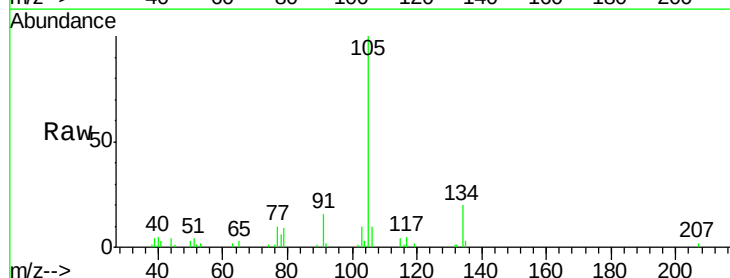
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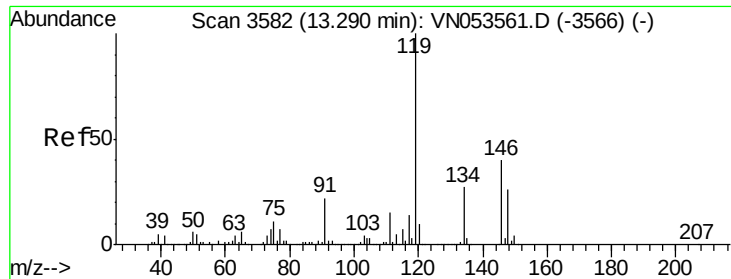
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#85
sec-Butylbenzene
Concen: 0.874 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion:105 Resp: 26234
Ion Ratio Lower Upper
105 100
134 20.6 10.2 30.6





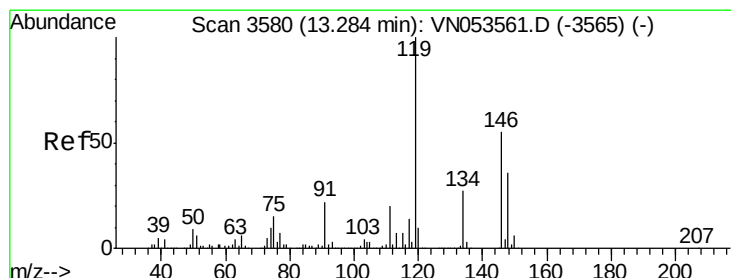
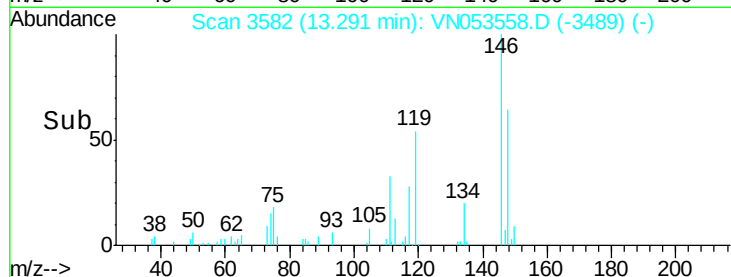
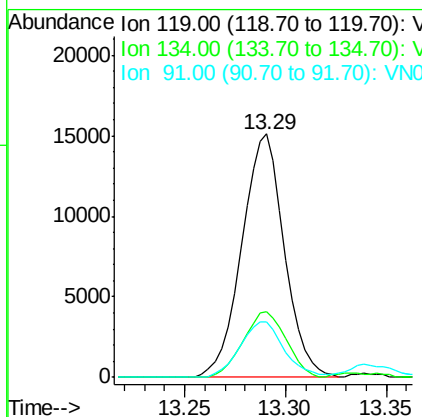
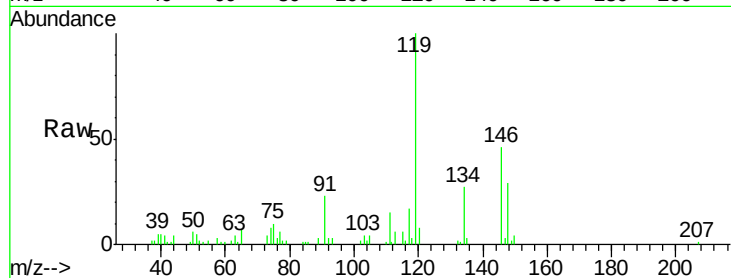
#86
p-Isopropyltoluene
Concen: 0.854 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.4
91	23.6	11.0	33.0

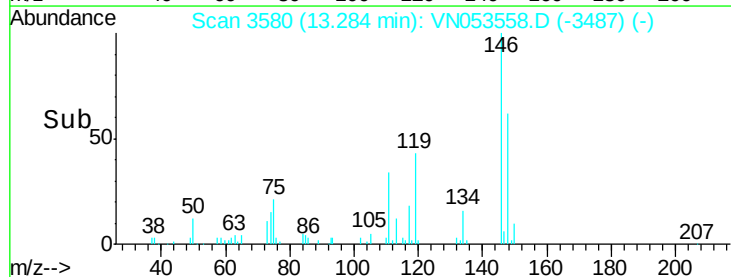
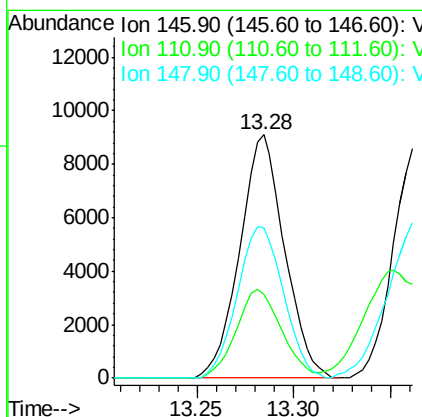
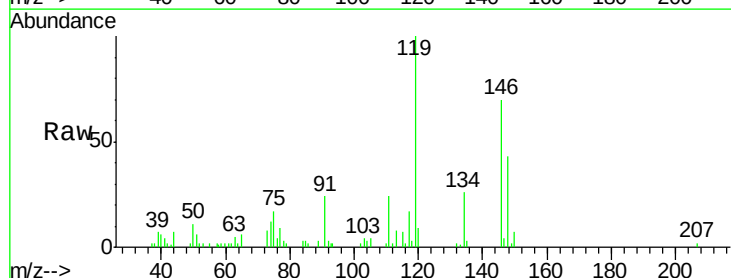
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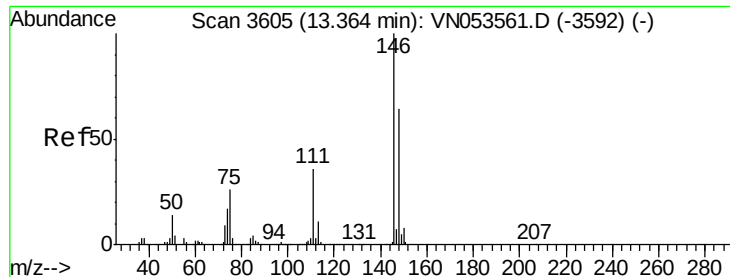
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#87
1,3-Dichlorobenzene
Concen: 1.037 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.2	32.0	96.2





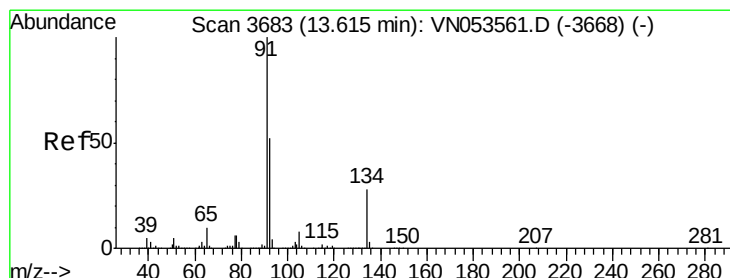
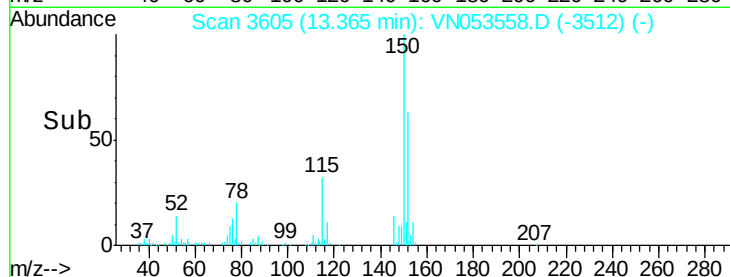
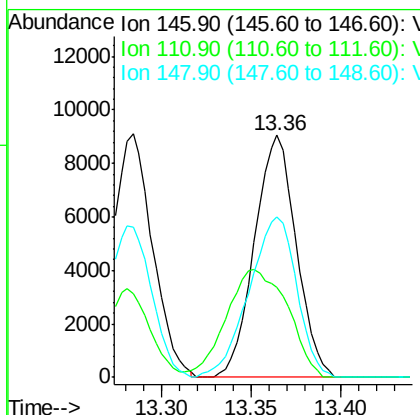
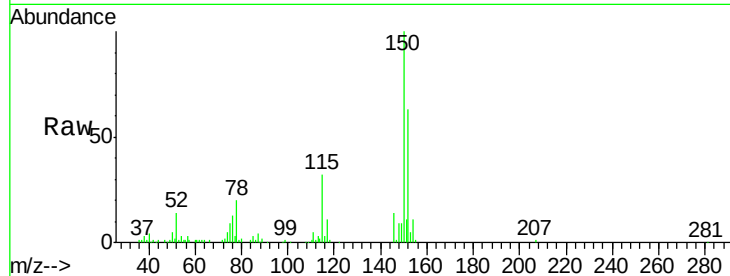
#88
 1,4-Dichlorobenzene
 Concen: 1.034 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.2	32.4	97.0

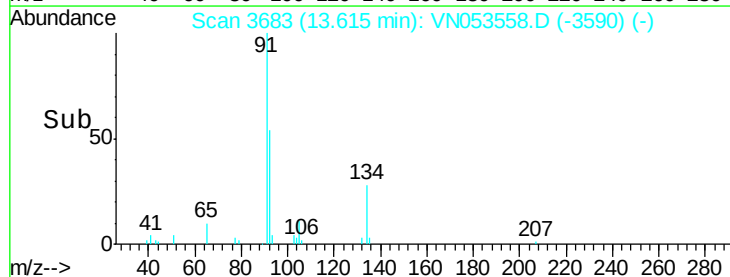
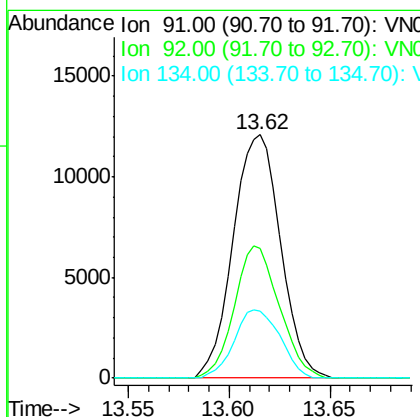
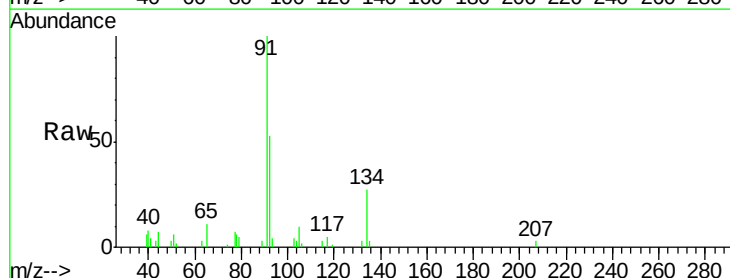
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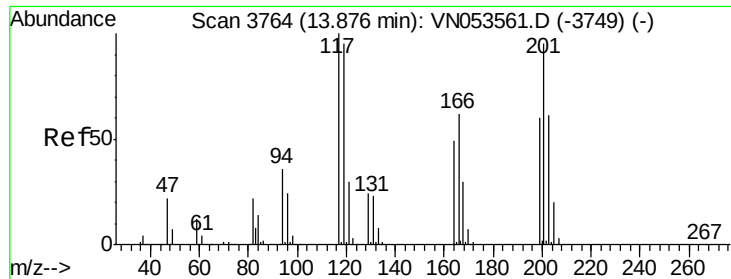
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#89
 n-Butylbenzene
 Concen: 0.897 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.3	78.8
134	27.1	13.5	40.5





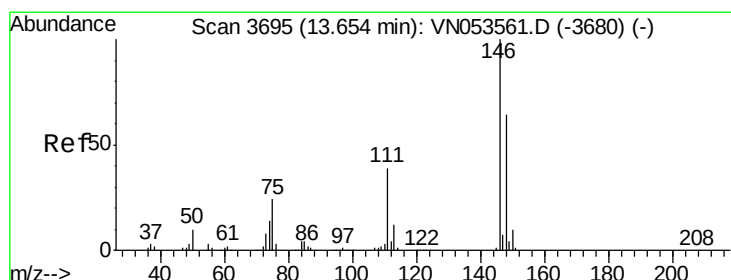
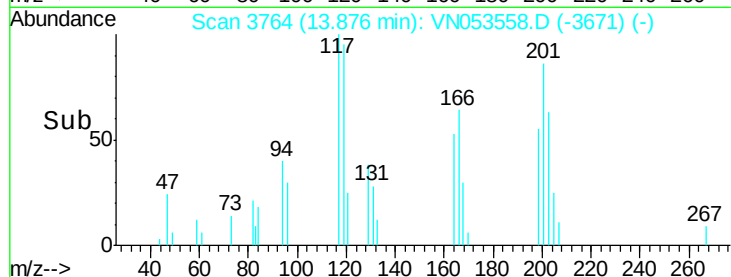
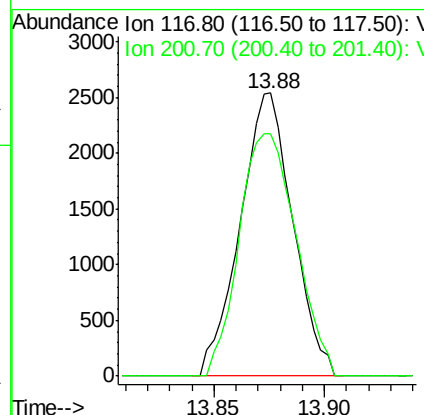
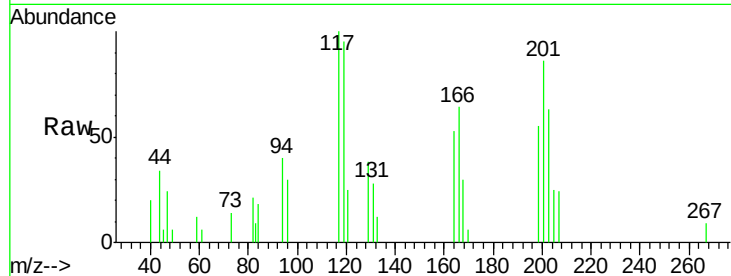
#90
Hexachloroethane
Concen: 1.026 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion:117 Resp: 4196
Ion Ratio Lower Upper
117 100
201 92.4 46.8 140.4

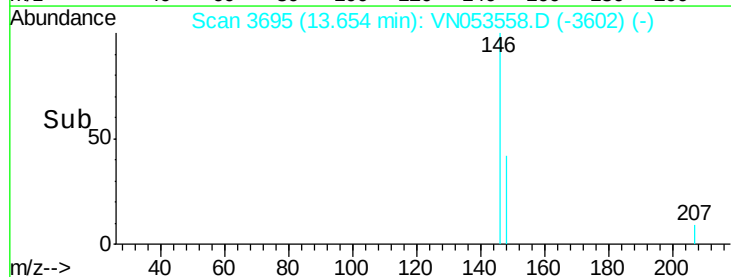
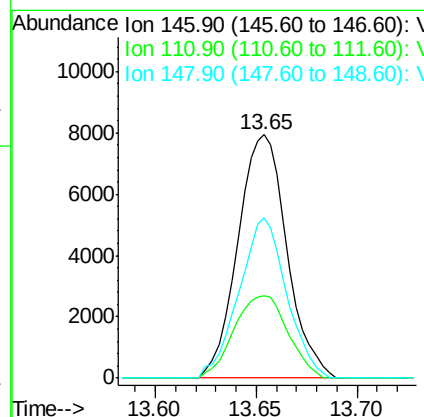
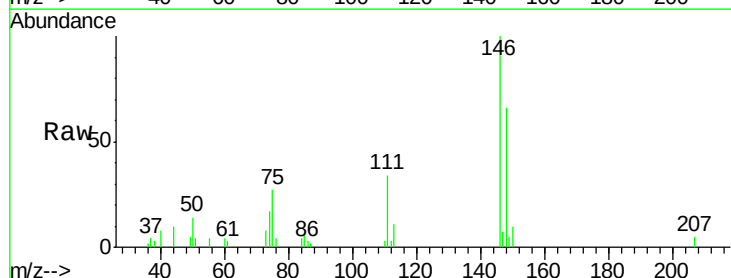
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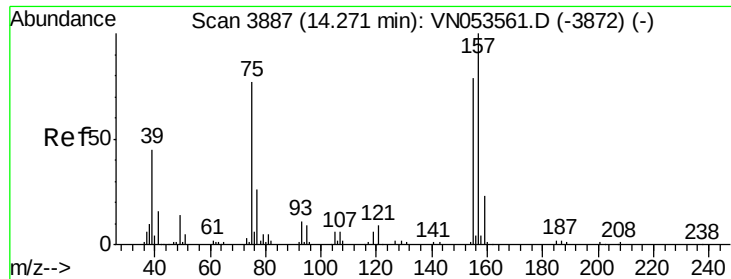
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#91
1,2-Dichlorobenzene
Concen: 1.037 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN053558.D
Acq: 30 Jan 2019 8:53

Tgt Ion:146 Resp: 13468
Ion Ratio Lower Upper
146 100
111 37.2 19.5 58.5
148 64.1 31.9 95.9





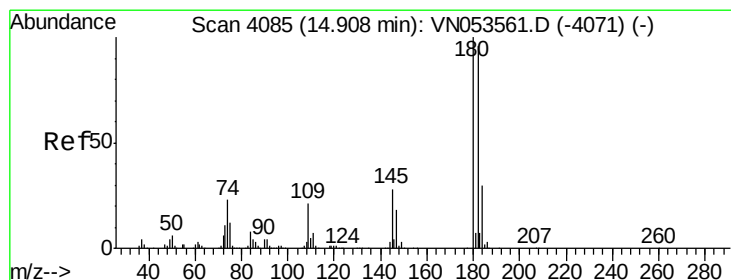
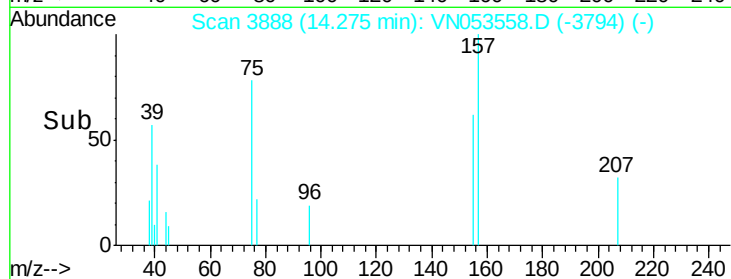
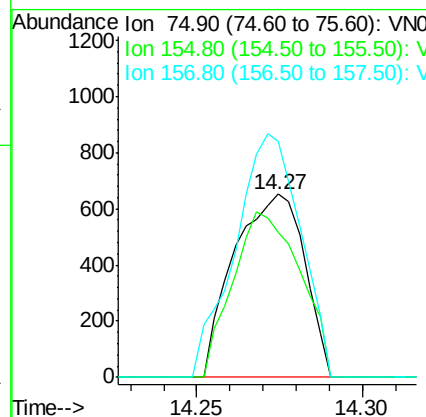
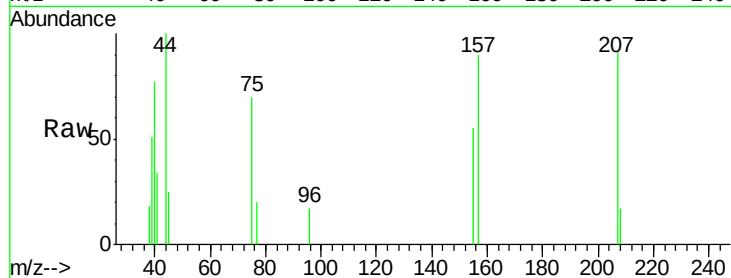
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.190 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	48.9	146.7
157	123.7	63.7	191.3

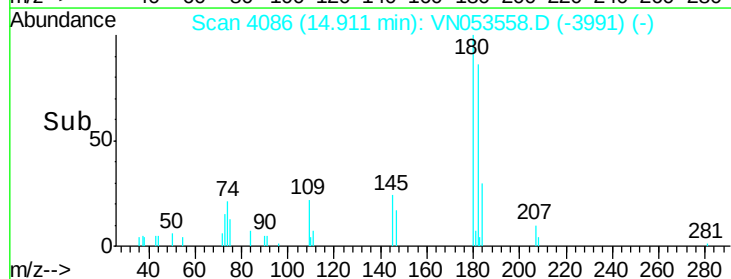
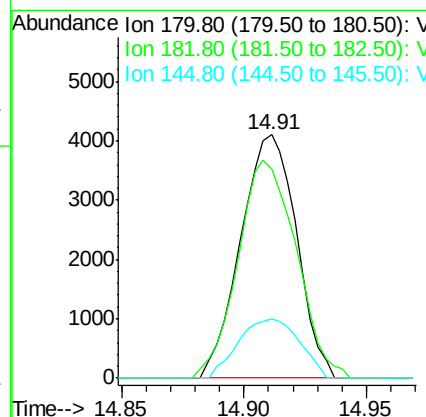
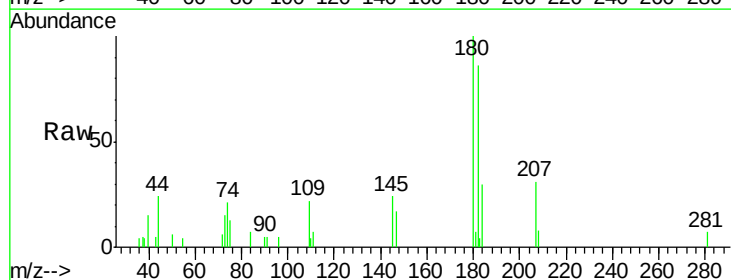
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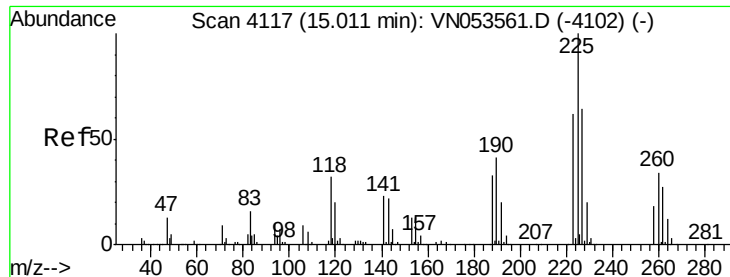
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.297 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	26.6	13.9	41.6





#94

Hexachlorobutadiene

Concen: 1.253 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053558.D

Acq: 30 Jan 2019 8:53

Instrument :

MSVOA_N

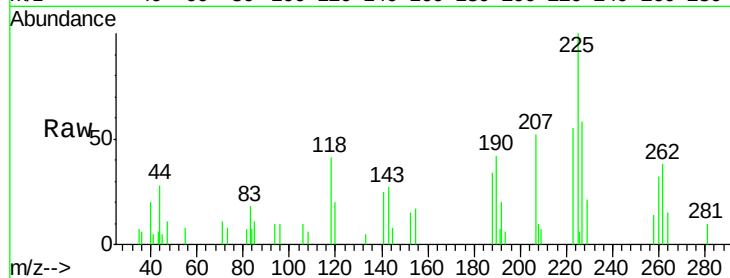
ClientSampled :

VSTDIC001

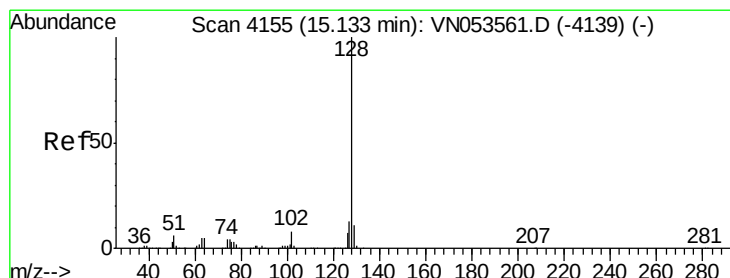
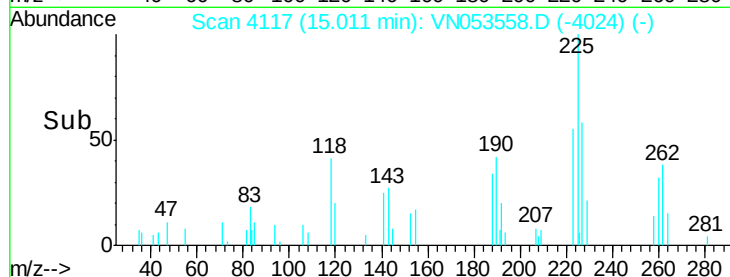
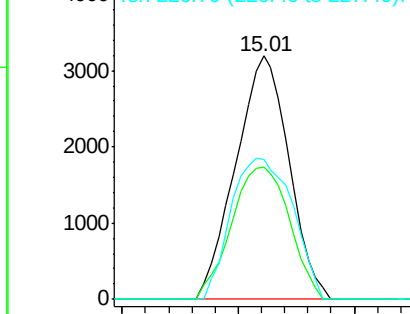
Tgt Ion:	225	Resp:	5077
Ion Ratio	Lower	Upper	
225	100		
223	59.0	31.1	93.2
227	67.1	32.0	96.2

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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: 1.268 ug/l

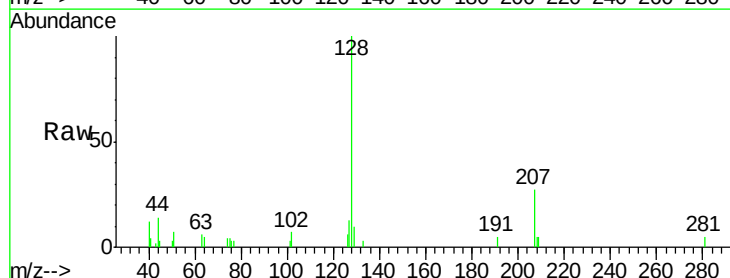
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

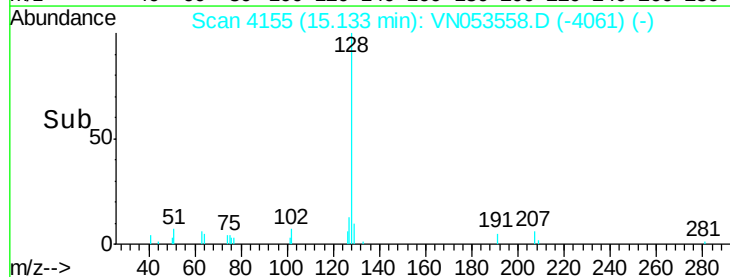
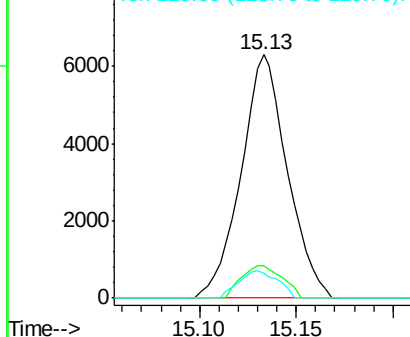
Lab File: VN053558.D

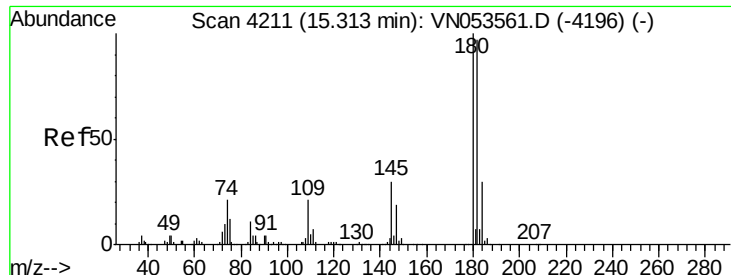
Acq: 30 Jan 2019 8:53

Tgt Ion:	128	Resp:	10479
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.3	15.5
129	9.4	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.759 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053558.D
 Acq: 30 Jan 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.9	143.8
145	28.6	14.7	44.1

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