

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054998.D
 Acq On : 12 Apr 2019 14:39
 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
 4/16/2019 1:57:54 PM

Quant Time: Apr 13 03:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167002	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	4810	0.962	ug/l	87
3) Chloromethane	2.06	50	7287	1.106	ug/l	97
4) Vinyl Chloride	2.19	62	5237	0.916	ug/l	95
5) Bromomethane	2.56	94	3281	1.004	ug/l	95
6) Chloroethane	2.71	64	3066	0.959	ug/l	98
7) Trichlorofluoromethane	3.02	101	6382	0.916	ug/l	93
8) Diethyl Ether	3.41	74	2042	0.914	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3505	0.950	ug/l #	80
12) 1,1-Dichloroethene	3.73	96	3814	1.045	ug/l	88
14) Allyl chloride	4.32	41	8227	1.003	ug/l	98
15) Acrylonitrile	5.00	53	8773	5.011	ug/l #	87
16) Acetone	3.82	43	8682	5.533	ug/l	100
17) Carbon Disulfide	4.04	76	11936	1.027	ug/l	97
18) Methyl Acetate	4.32	43	5626m	1.324	ug/l	
19) Methyl tert-butyl Ether	5.05	73	10967	0.908	ug/l #	90
20) Methylene Chloride	4.55	84	7501	1.449	ug/l #	81
21) trans-1,2-Dichloroethene	5.02	96	4491m	0.974	ug/l	
22) Diisopropyl ether	5.96	45	15717	0.930	ug/l #	79
23) Vinyl Acetate	5.90	43	49035m	4.164	ug/l	
24) 1,1-Dichloroethane	5.84	63	9283	1.010	ug/l #	90
25) 2-Butanone	6.86	43	10101	4.772	ug/l #	85
26) 2,2-Dichloropropane	6.81	77	6217m	0.972	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	5003	0.953	ug/l	98
28) Bromochloromethane	7.20	49	4427	1.020	ug/l #	99
29) Tetrahydrofuran	7.22	42	6806	4.863	ug/l	98
30) Chloroform	7.37	83	8840	1.014	ug/l #	82
31) Cyclohexane	7.66	56	15647	1.492	ug/l #	41
32) 1,1,1-Trichloroethane	7.56	97	6387	0.872	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	6122	0.949	ug/l	97
37) Ethyl Acetate	6.94	43	3644	0.804	ug/l #	74
38) Carbon Tetrachloride	7.77	117	6456	1.040	ug/l	85
39) Methylcyclohexane	9.08	83	7292	1.026	ug/l	95
40) Benzene	8.04	78	18637	0.999	ug/l	99
41) Methacrylonitrile	7.17	41	2850m	1.103	ug/l	

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

42) 1,2-Dichloroethane	8.12	62	6797	1.034	ug/l	94
43) Isopropyl Acetate	8.17	43	6980	0.915	ug/l #	95
44) Trichloroethene	8.83	130	4790	1.003	ug/l	91
45) 1,2-Dichloropropane	9.12	63	5177	0.995	ug/l	90
46) Dibromomethane	9.21	93	3101	1.043	ug/l	96
47) Bromodichloromethane	9.40	83	5972	0.963	ug/l	89
48) Methyl methacrylate	9.20	41	4121	1.075	ug/l	95
49) 1,4-Dioxane	9.20	88	714m	18.091	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	20831	4.869	ug/l	99
52) Toluene	10.16	92	10585	0.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	4616	0.811	ug/l #	73
54) cis-1,3-Dichloropropene	9.84	75	5862	0.842	ug/l #	93
55) 1,1,2-Trichloroethane	10.56	97	3882	0.966	ug/l #	84
56) Ethyl methacrylate	10.43	69	4416	0.843	ug/l	95
57) 1,3-Dichloropropane	10.71	76	6438	0.918	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7912	3.845	ug/l	93
59) 2-Hexanone	10.76	43	12219	4.592	ug/l	98
60) Dibromochloromethane	10.90	129	3248	0.777	ug/l	92
61) 1,2-Dibromoethane	11.00	107	3738	0.992	ug/l	93
64) Tetrachloroethene	10.63	164	5053	1.114	ug/l	95
65) Chlorobenzene	11.43	112	10744	0.942	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	3861	0.924	ug/l #	64
67) Ethyl Benzene	11.51	91	20071	0.976	ug/l	99
68) m/p-Xylenes	11.62	106	13935	1.852	ug/l	100
69) o-Xylene	11.95	106	7639	1.043	ug/l	87
70) Styrene	11.97	104	9648	0.820	ug/l	95
71) Bromoform	12.13	173	1854	0.733	ug/l #	88
73) Isopropylbenzene	12.25	105	18076	1.290	ug/l	99
74) N-amyl acetate	12.07	43	4786	1.220	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	4669	1.337	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	3630m	1.204	ug/l	
77) Bromobenzene	12.52	156	4522	1.331	ug/l	81
78) n-propylbenzene	12.59	91	18096	1.172	ug/l	95
79) 2-Chlorotoluene	12.67	91	12005	1.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	13708	1.192	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	751	1.044	ug/l #	86
82) 4-Chlorotoluene	12.77	91	10974	1.212	ug/l	97
83) tert-Butylbenzene	12.99	119	12009	1.224	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	12164	1.094	ug/l	93
85) sec-Butylbenzene	13.17	105	14471	1.141	ug/l	86
86) p-Isopropyltoluene	13.28	119	12297	1.126	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	6474	1.149	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	6092m	1.135	ug/l	
89) n-Butylbenzene	13.61	91	9325	1.076	ug/l	97
90) Hexachloroethane	13.87	117	2171	1.195	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	6031	1.087	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.26	75	476	0.979	ug/l #	63
93) 1,2,4-Trichlorobenzene	14.90	180	1823	0.747	ug/l	86
94) Hexachlorobutadiene	15.01	225	2671	1.437	ug/l	94
95) Naphthalene	15.14	128	5007	0.930	ug/l #	96

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VSTDICC001

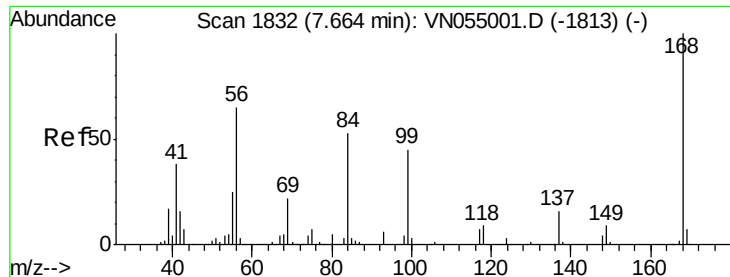
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	2426	0.957	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 424160

Ion Ratio Lower Upper

168 100

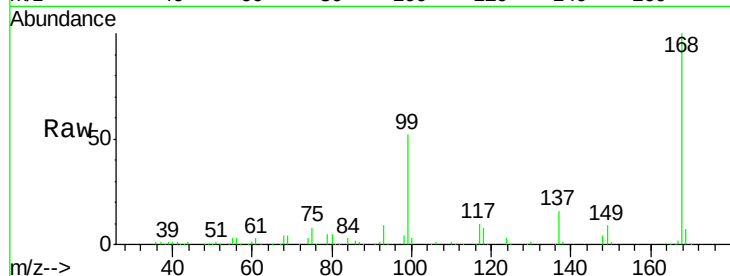
99 52.2 41.9 62.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

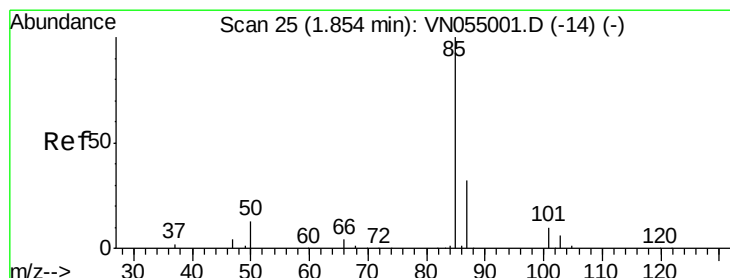
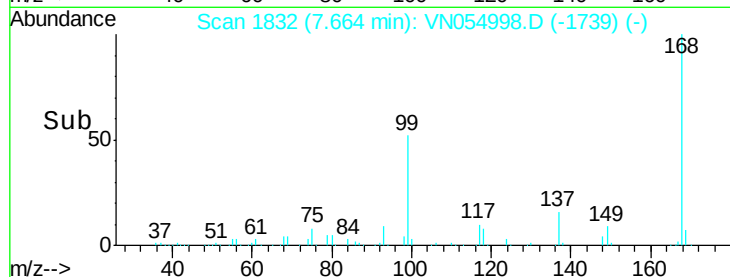
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.962 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054998.D

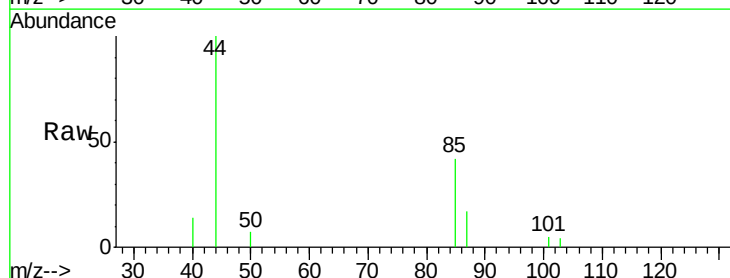
Acq: 12 Apr 2019 14:39

Tgt Ion: 85 Resp: 4810

Ion Ratio Lower Upper

85 100

87 39.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

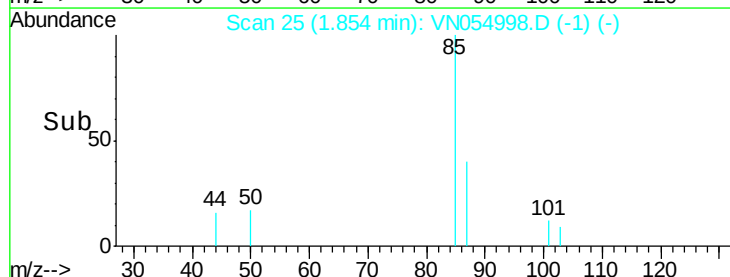
3000

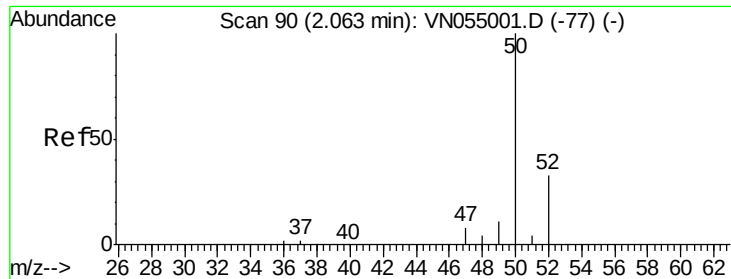
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.106 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 7287

Ion Ratio Lower Upper

50 100

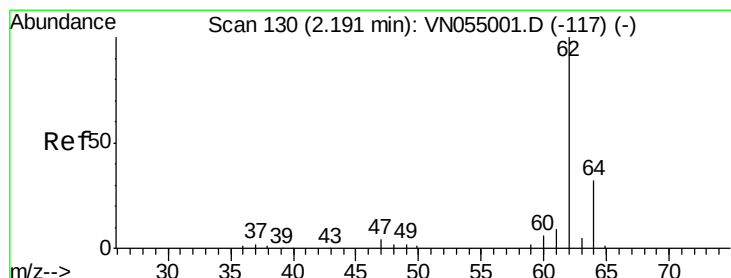
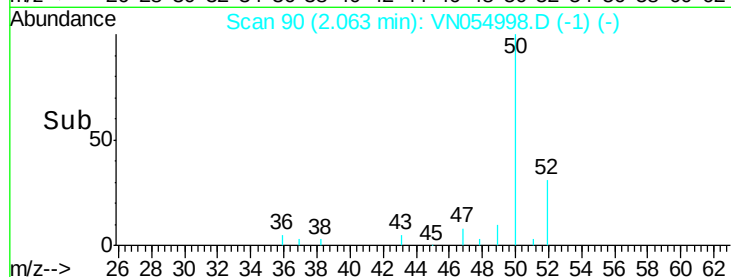
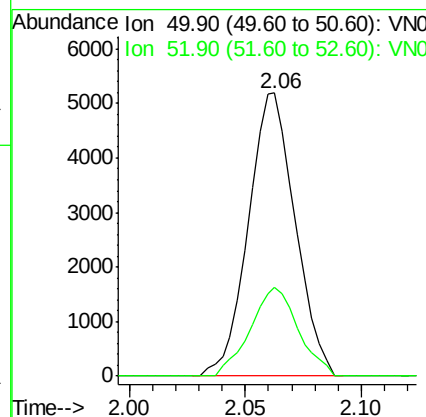
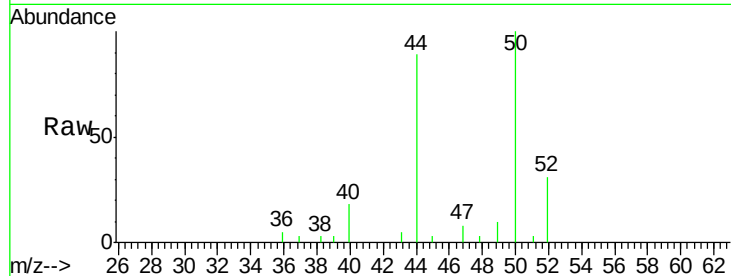
52 31.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.916 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054998.D

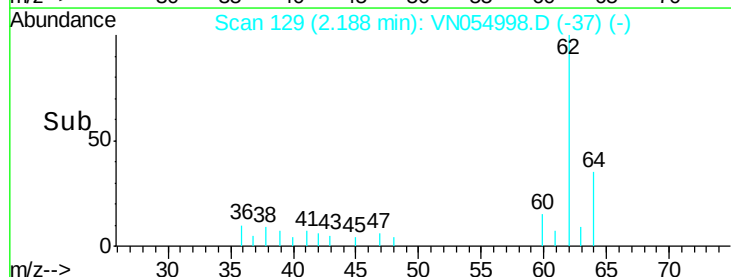
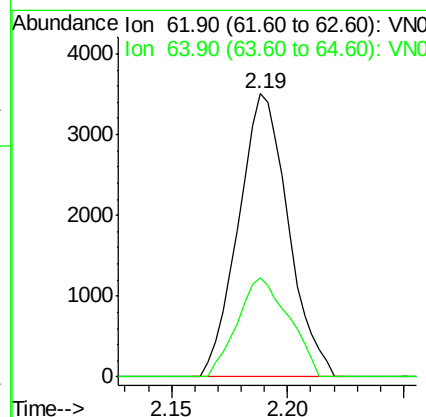
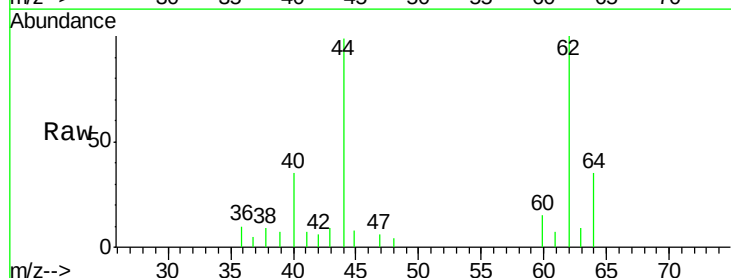
Acq: 12 Apr 2019 14:39

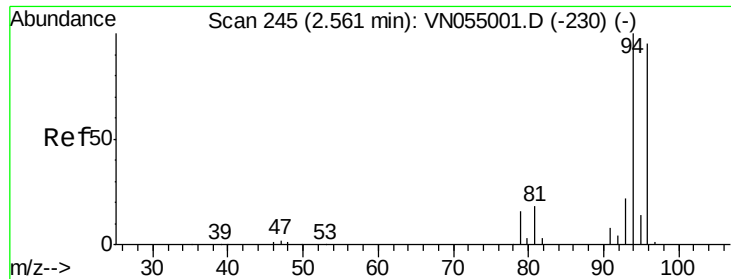
Tgt Ion: 62 Resp: 5237

Ion Ratio Lower Upper

62 100

64 34.8 25.8 38.6





#5

Bromomethane

Concen: 1.004 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3281

Ion Ratio Lower Upper

94 100

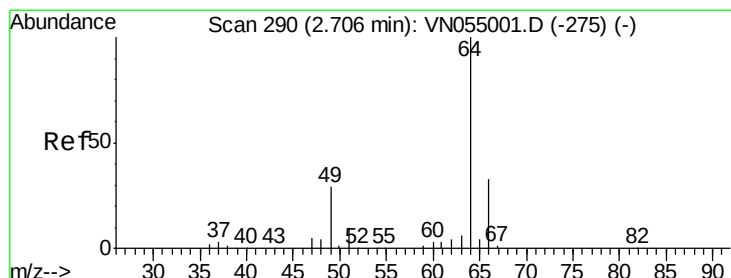
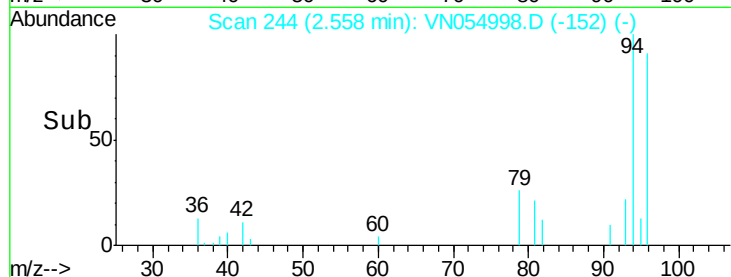
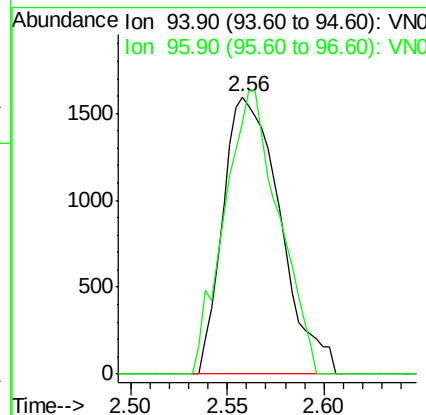
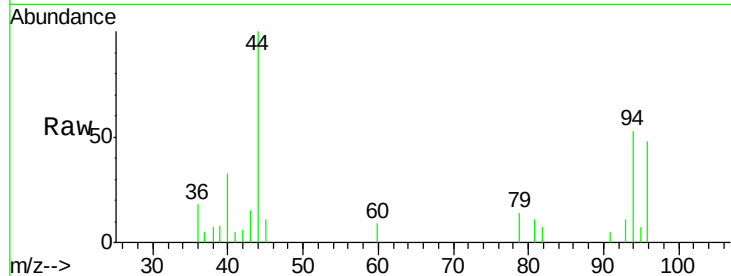
96 90.8 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 0.959 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054998.D

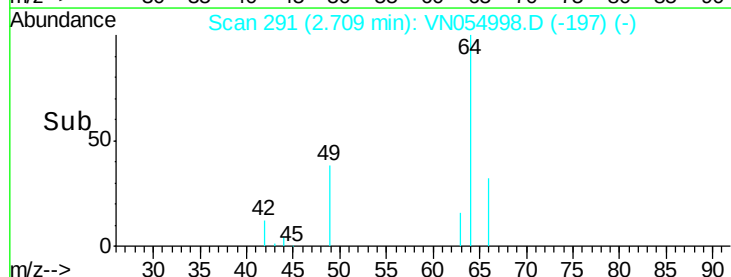
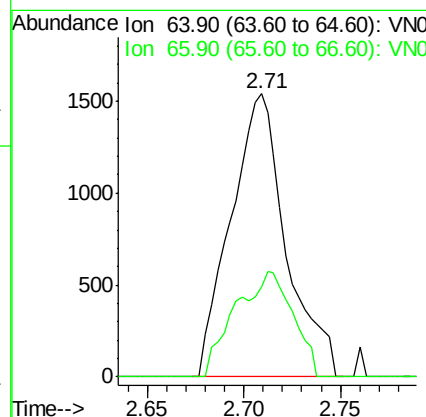
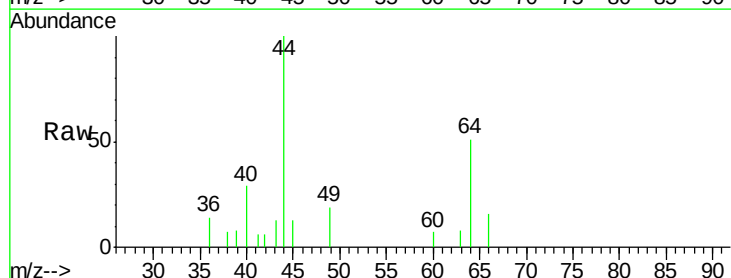
Acq: 12 Apr 2019 14:39

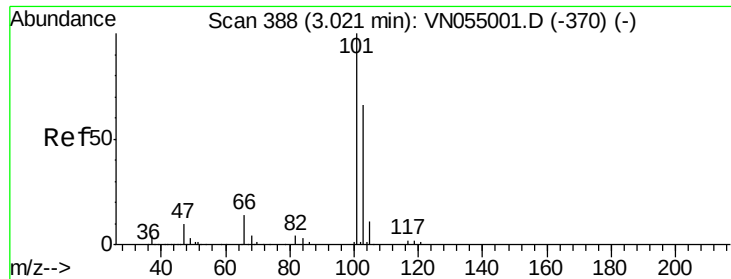
Tgt Ion: 64 Resp: 3066

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0





#7

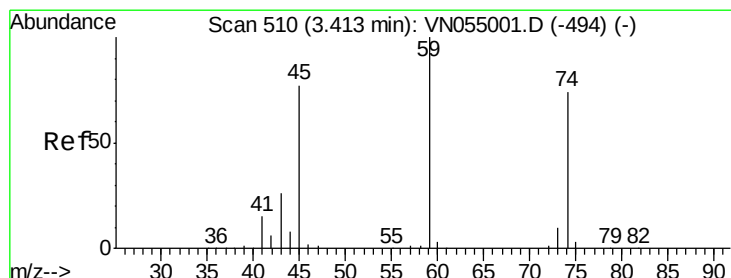
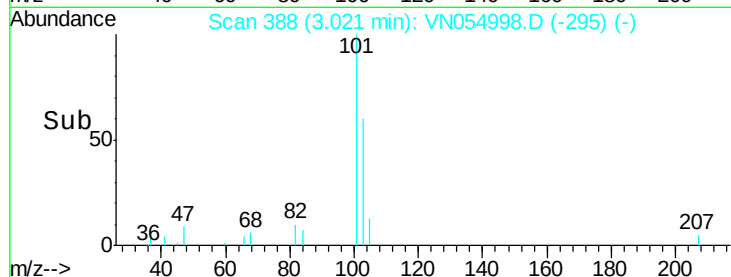
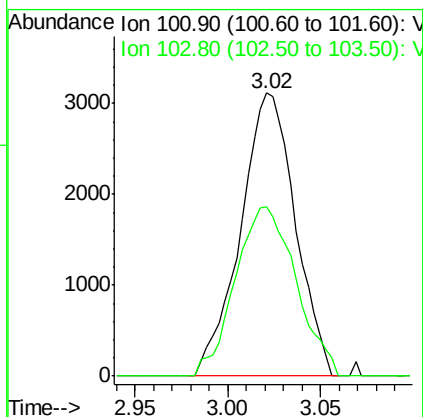
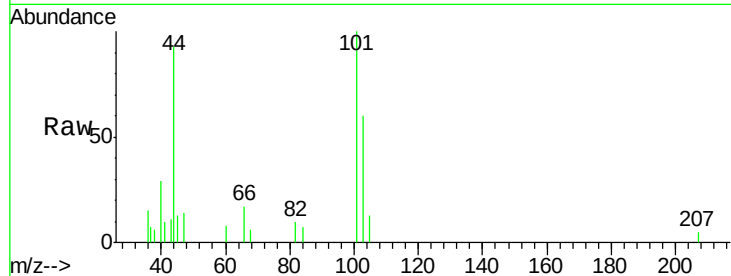
Trichlorofluoromethane
 Concen: 0.916 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054998.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	52.5	78.7

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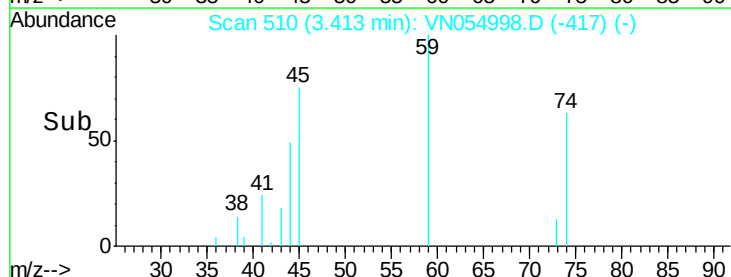
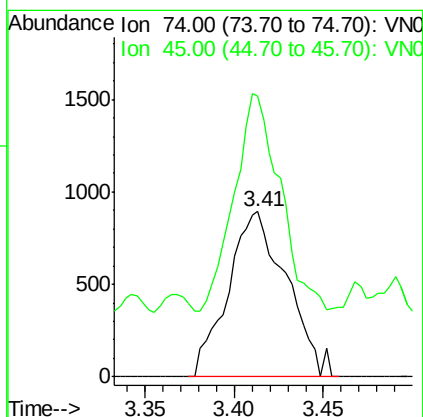
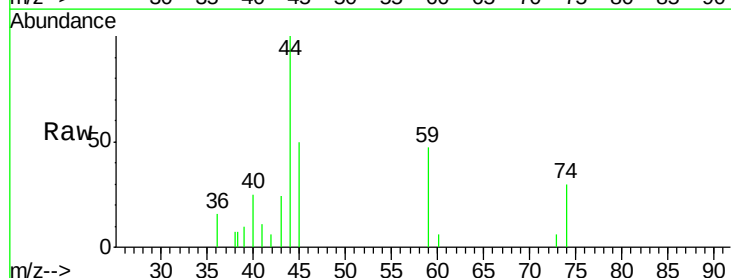
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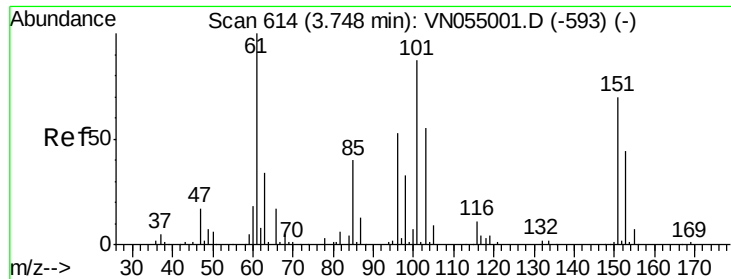


#8

Diethyl Ether
 Concen: 0.914 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.8	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.950 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

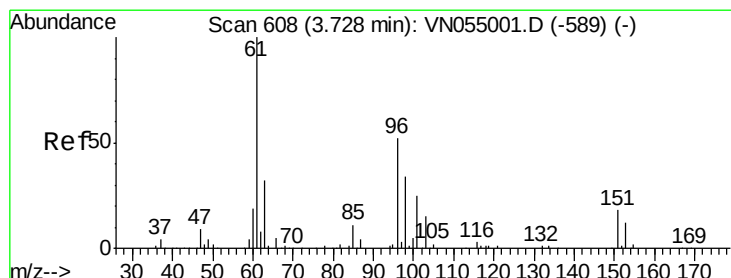
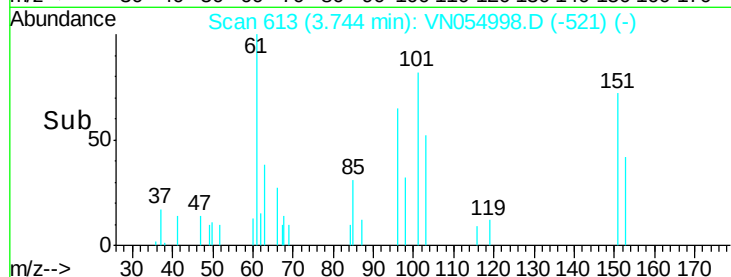
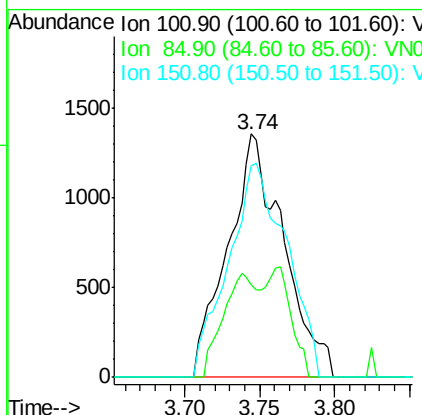
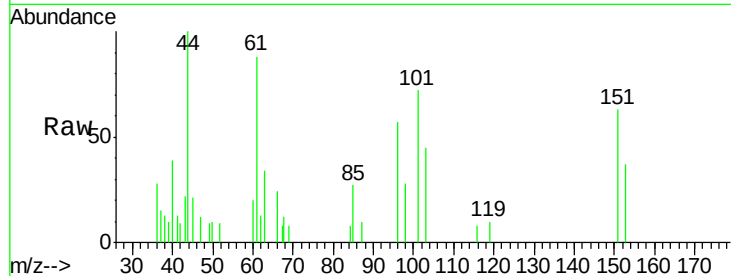
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	3505
Ion Ratio	Lower	Upper	
101	100		
85	24.7	36.9	55.3#
151	91.9	64.4	96.6

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.045 ug/l

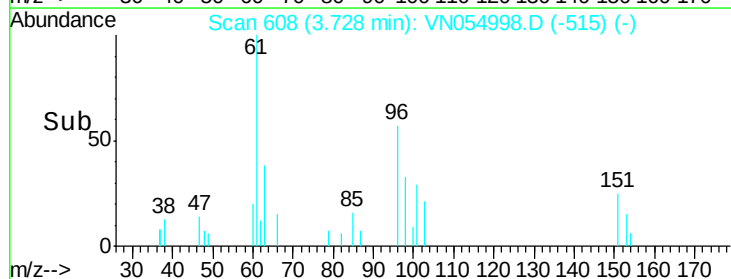
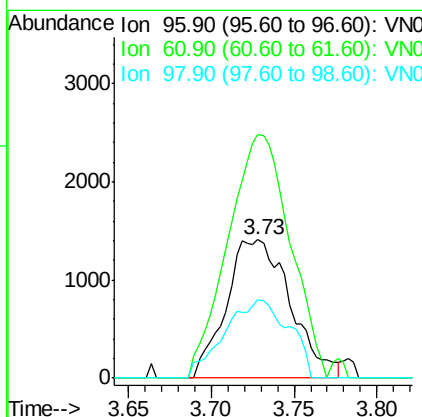
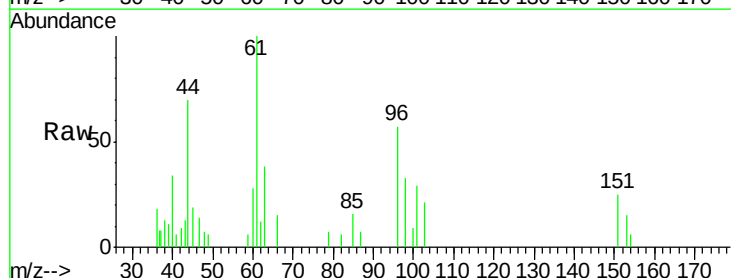
RT: 3.73 min Scan# 608

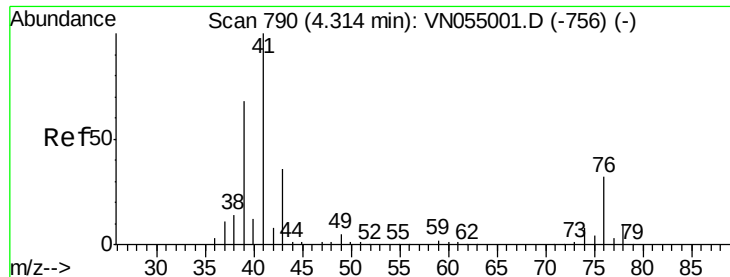
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	96	Resp:	3814
Ion Ratio	Lower	Upper	
96	100		
61	175.6	154.2	231.4
98	57.1	52.9	79.3





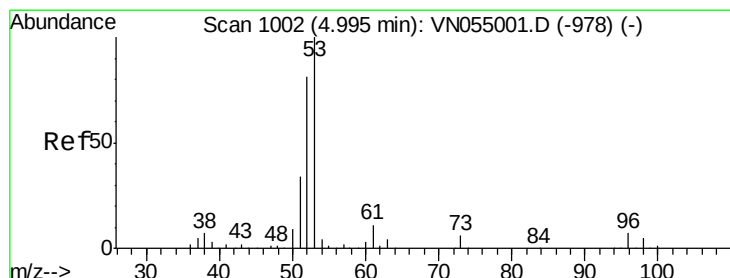
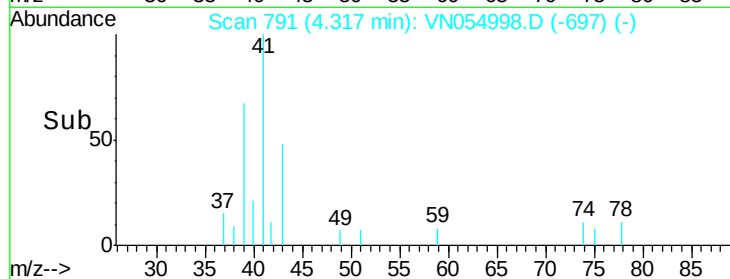
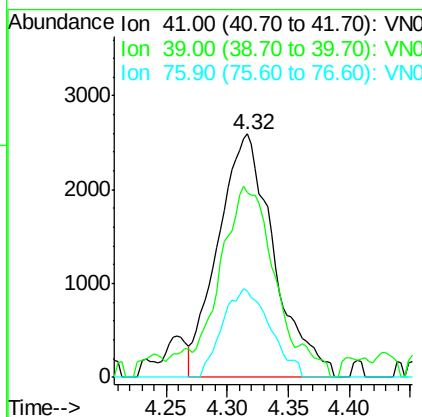
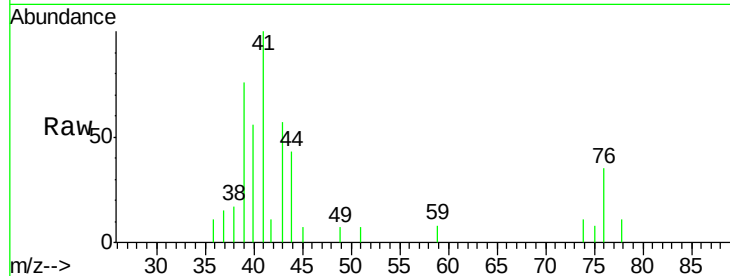
#14
Allvl chloride
Concen: 1.003 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.0	52.7	79.1
76	31.1	23.2	34.8

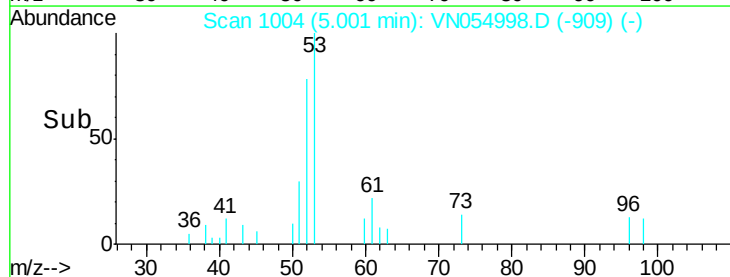
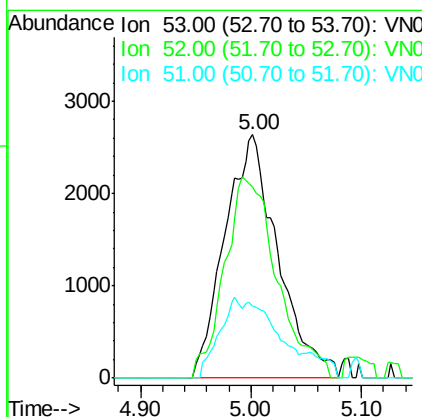
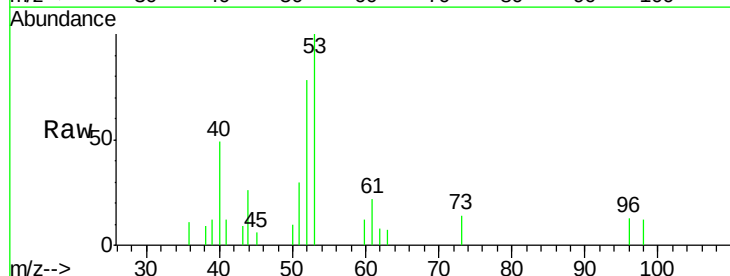
Manual Integrations
APPROVED

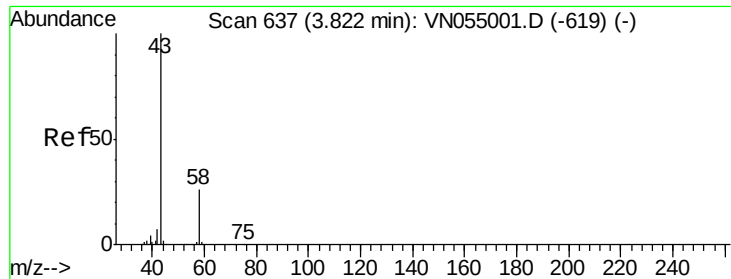
MMDadoda
4/16/2019 1:57:54 PM



#15
Acrylonitrile
Concen: 5.011 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	14.3	29.7	44.5#





#16

Acetone

Concen: 5.533 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 8682

Ion Ratio Lower Upper

43 100

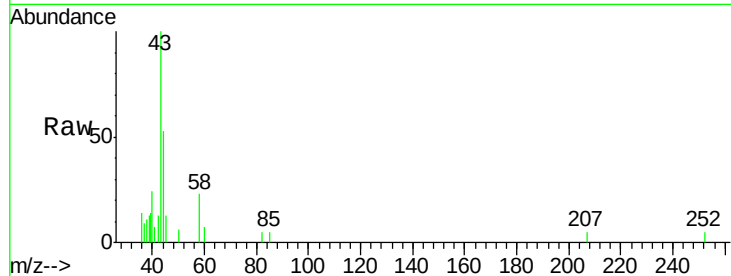
58 26.0 20.9 31.3

Manual Integrations

APPROVED

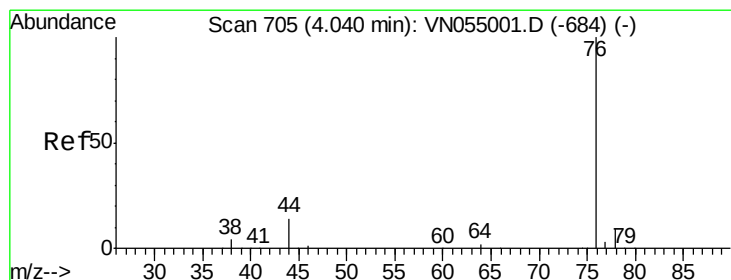
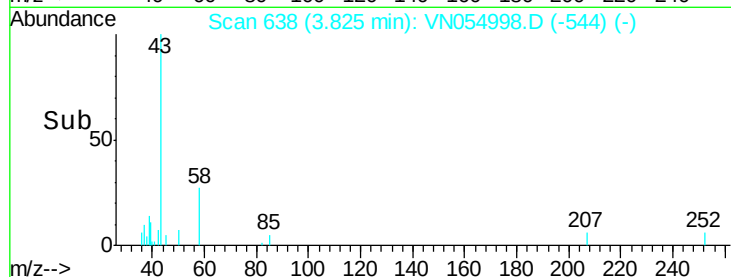
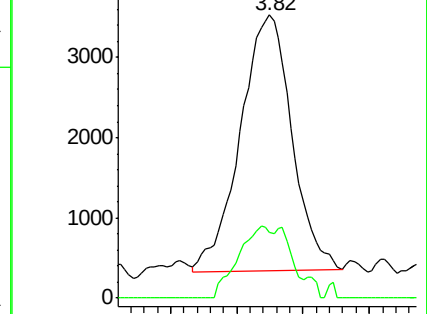
MMDadoda

4/16/2019 1:57:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)



#17

Carbon Disulfide

Concen: 1.027 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN054998.D

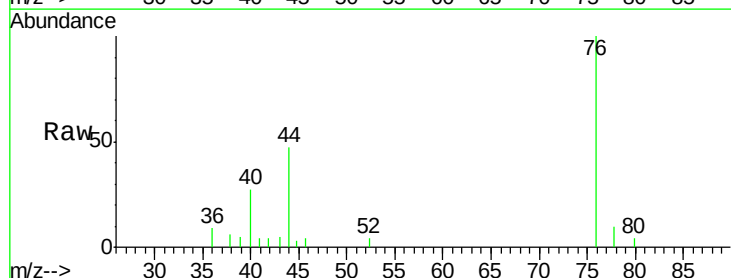
Acq: 12 Apr 2019 14:39

Tgt Ion: 76 Resp: 11936

Ion Ratio Lower Upper

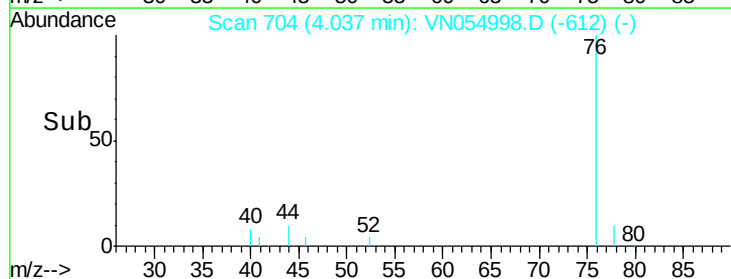
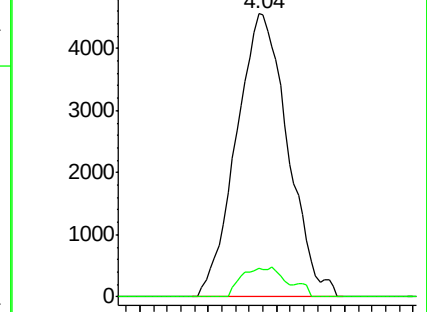
76 100

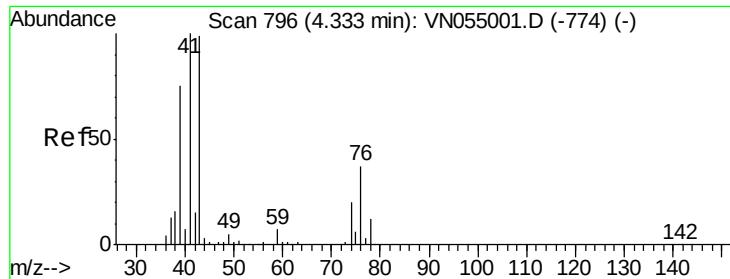
78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-684) (-)





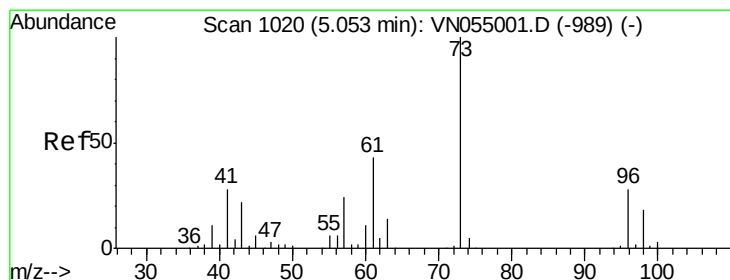
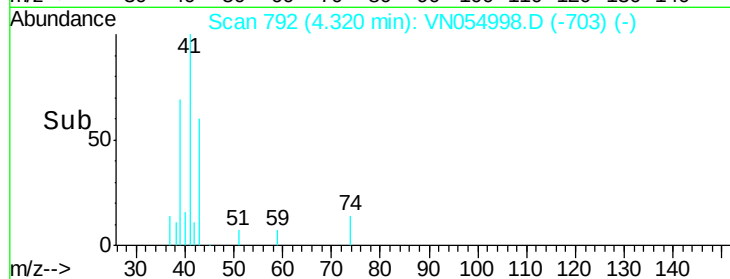
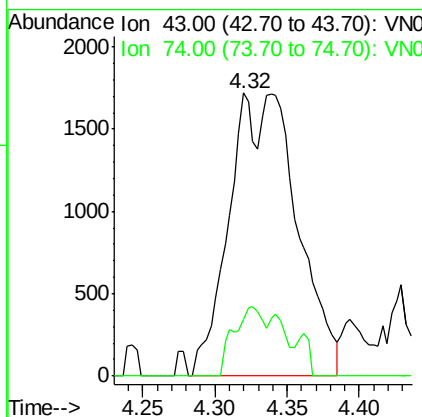
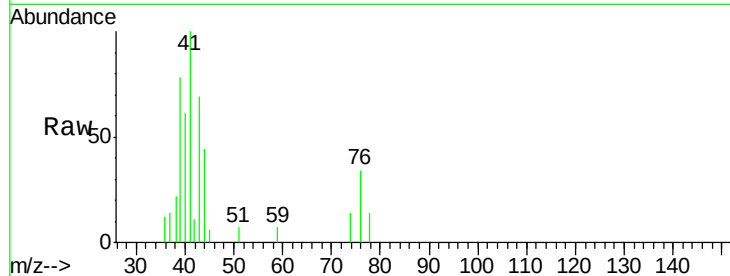
#18
Methyl Acetate
Concen: 1.324 ug/l m
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5626
Ion Ratio Lower Upper
43 100
74 11.1 16.1 24.1#

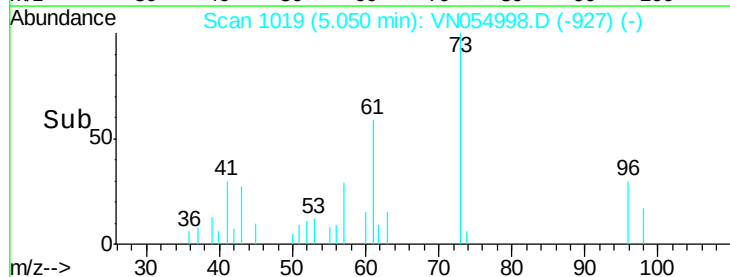
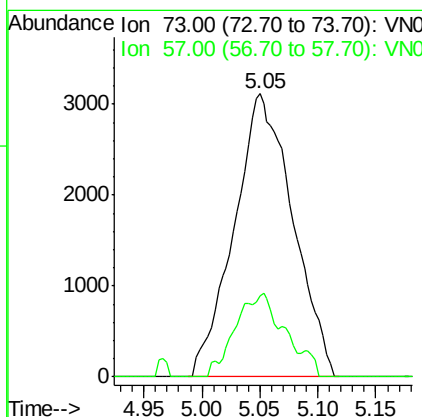
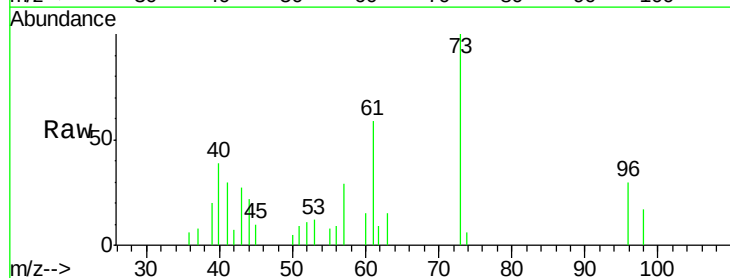
Manual Integrations
APPROVED

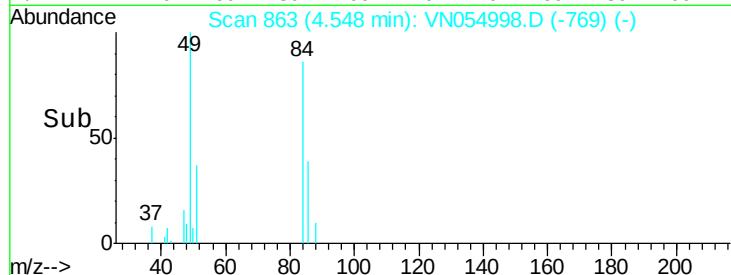
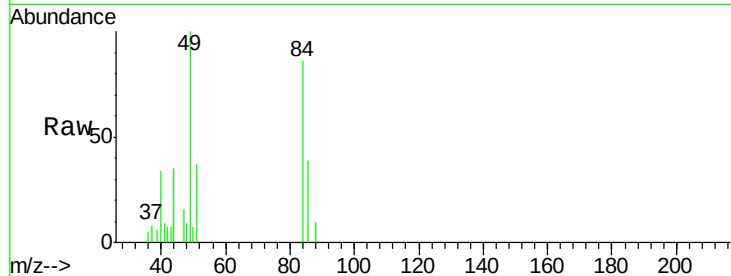
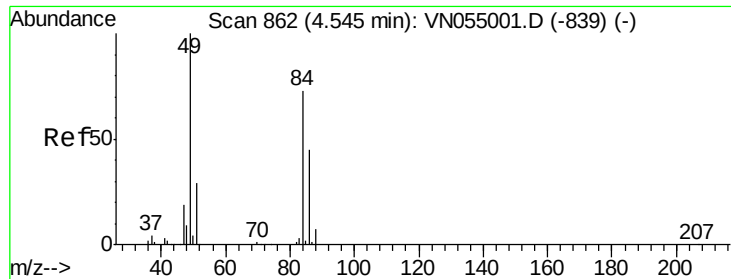
MMDadoda
4/16/2019 1:57:54 PM



#19
Methyl tert-butyl Ether
Concen: 0.908 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 73 Resp: 10967
Ion Ratio Lower Upper
73 100
57 28.7 19.0 28.4#





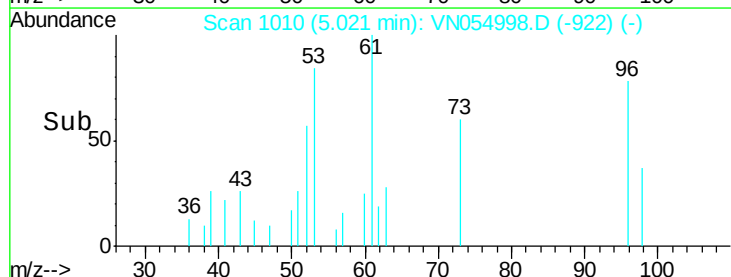
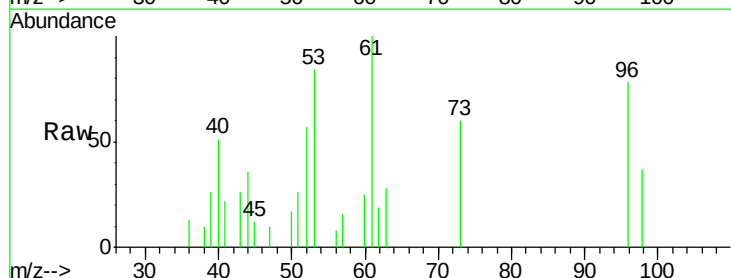
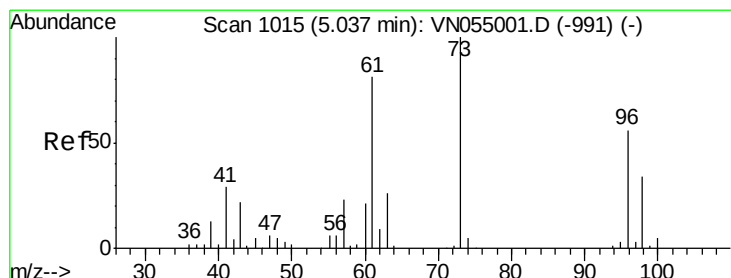
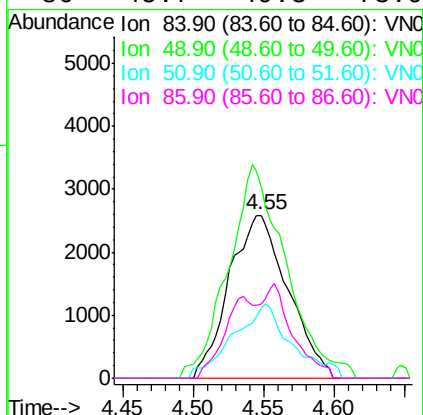
#20
Methylene Chloride
Concen: 1.449 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tot Ion	Ratio	Lower	Upper
84	100		
49	109.3	109.4	164.2#
51	43.5	32.2	48.4
86	45.7	49.3	73.9#

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

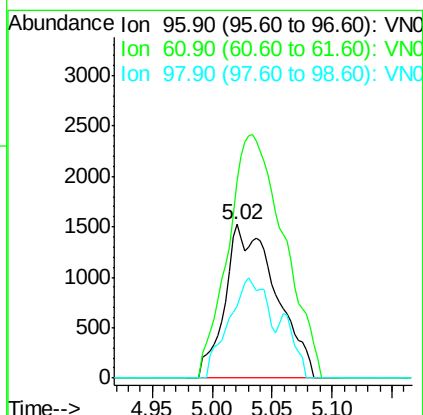
Manual Integrations
APPROVED

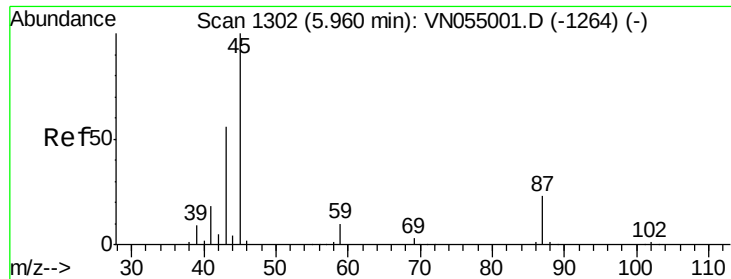
MMDadoda
4/16/2019 1:57:54 PM



#21
trans-1,2-Dichloroethene
Concen: 0.974 ug/l m
RT: 5.02 min Scan# 1010
Delta R.T. -0.02 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.5	114.9	172.3
98	47.1	48.4	72.6#





#22

Diisopropyl ether

Concen: 0.930 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

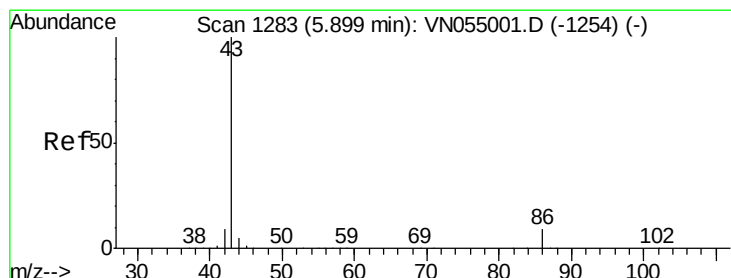
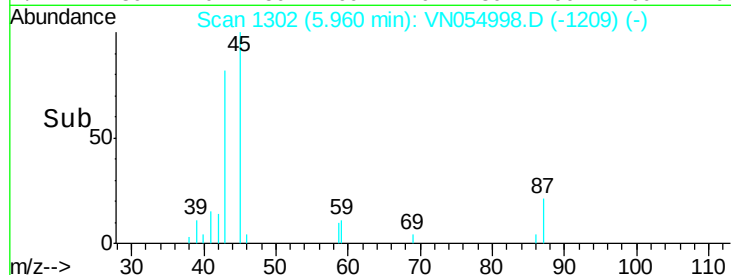
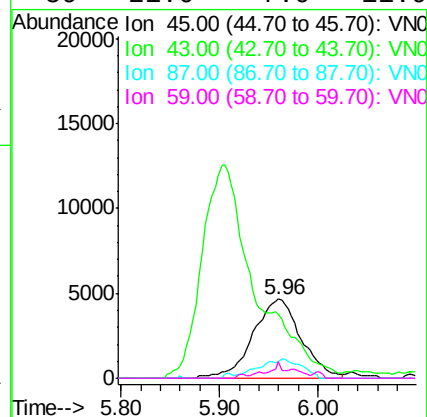
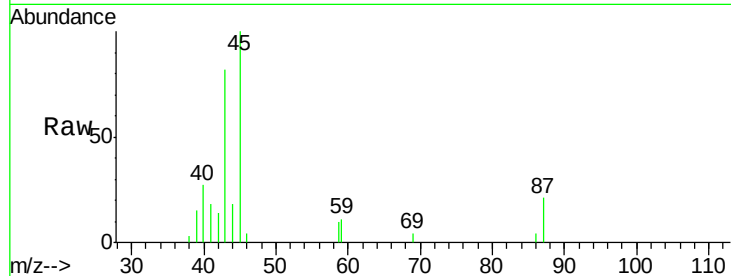
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	15717
Ion	Ratio	Lower	Upper
45	100		
43	74.5	44.8	67.2#
87	21.0	18.9	28.3
59	21.0	7.9	11.9#

Manual Integrations
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MMDadoda
4/16/2019 1:57:54 PM



#23

Vinyl Acetate

Concen: 4.164 ug/l m

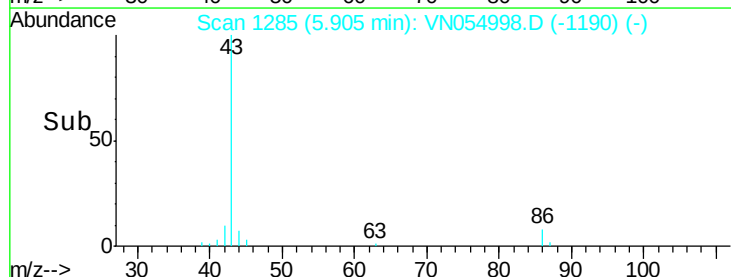
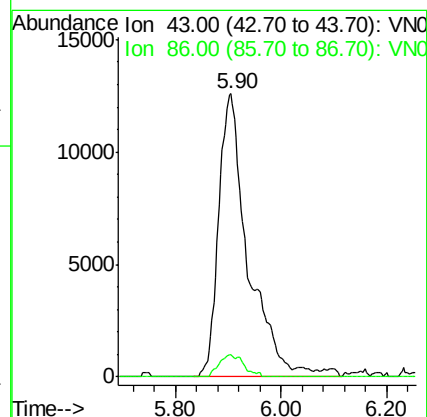
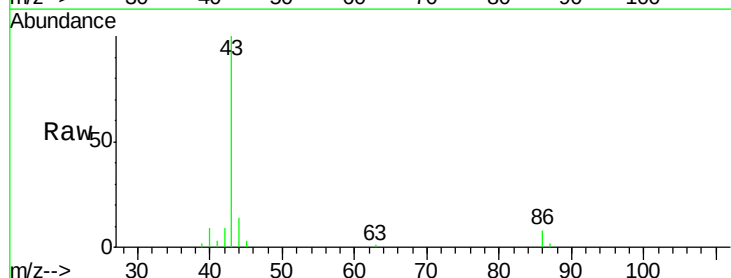
RT: 5.90 min Scan# 1285

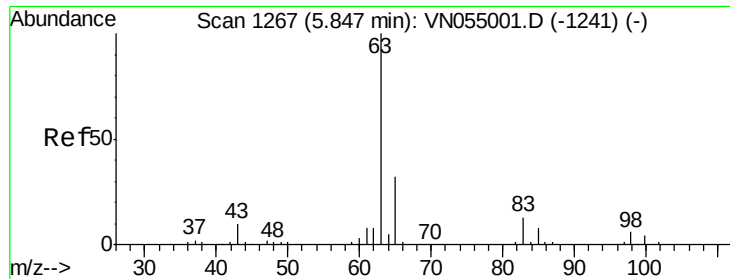
Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	43	Resp:	49035
Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.0	10.4





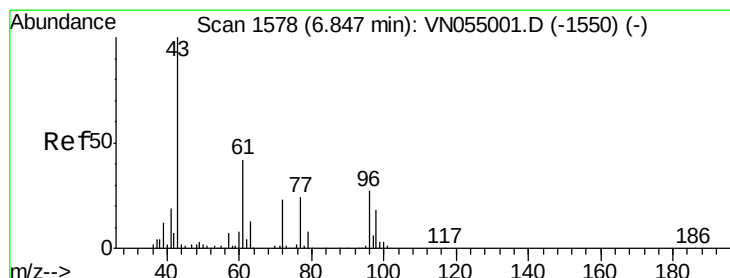
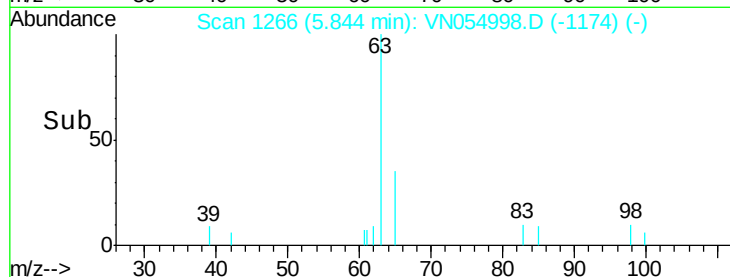
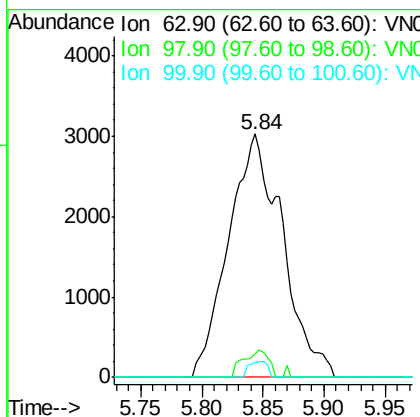
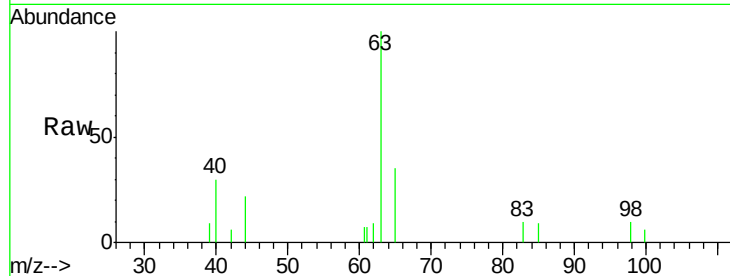
#24
 1,1-Dichloroethane
 Concen: 1.010 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	9.8	2.8	8.4#
100	5.9	2.0	5.8#

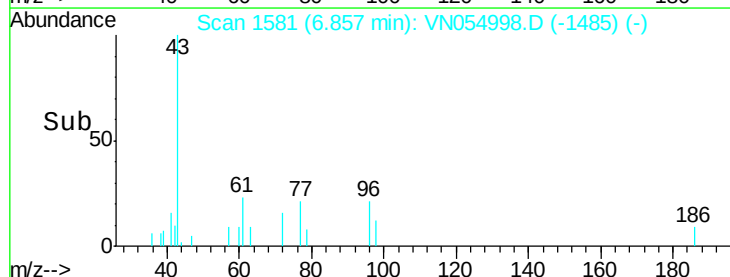
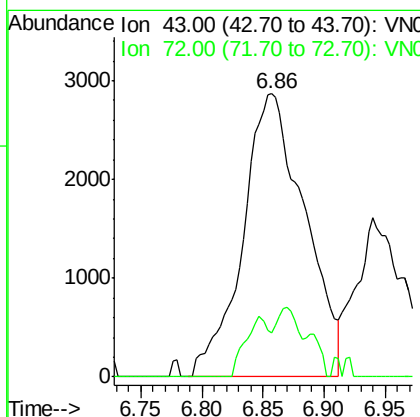
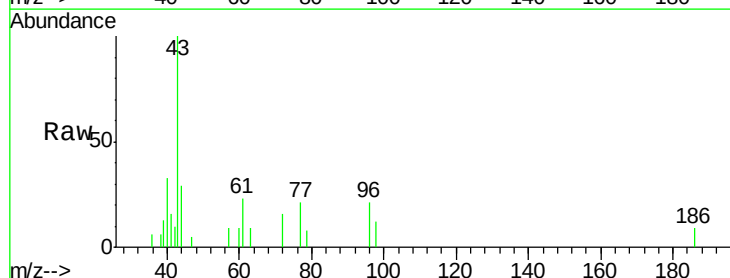
Manual Integrations
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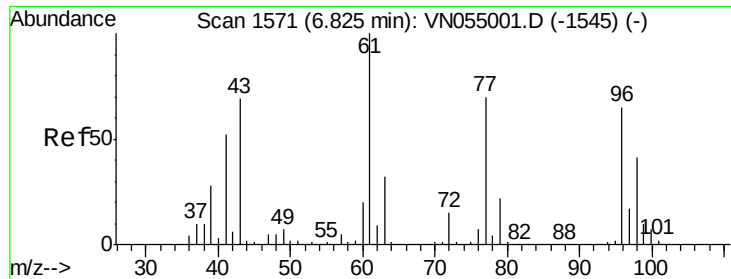
MMDadoda
 4/16/2019 1:57:54 PM



#25
 2-Butanone
 Concen: 4.772 ug/l
 RT: 6.86 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	15.6	18.1	27.1#





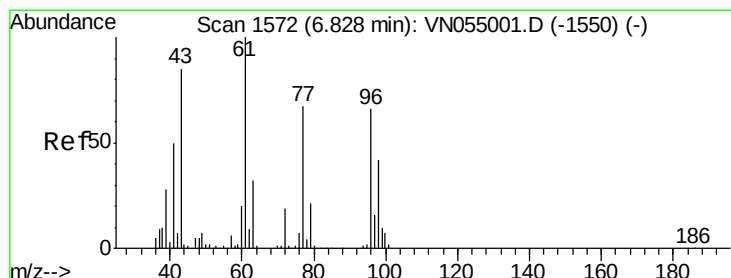
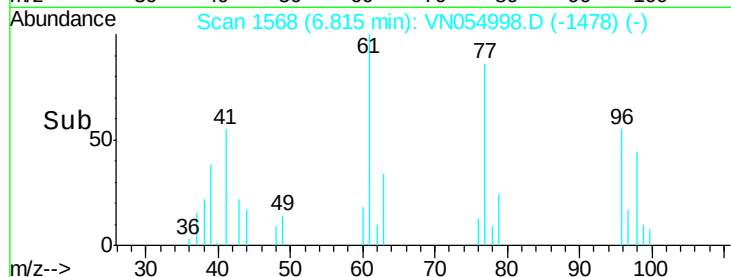
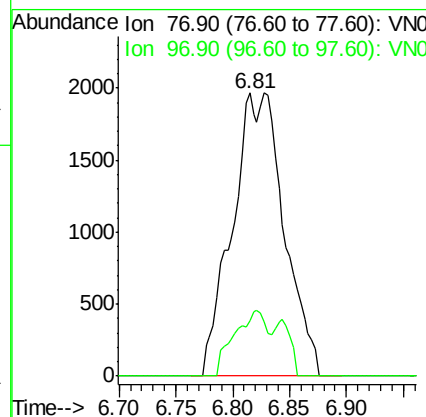
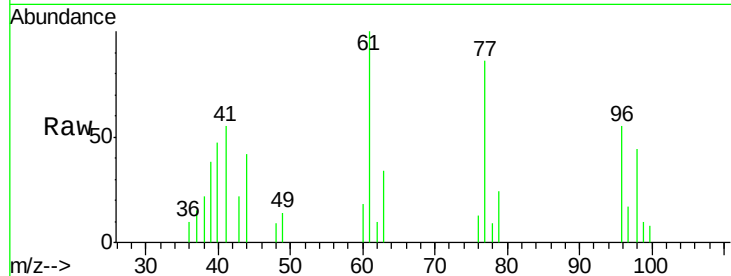
#26
 2,2-Dichloropropane
 Concen: 0.972 ug/l m
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 6217
 Ion Ratio Lower Upper
 77 100
 97 15.1 11.3 33.9

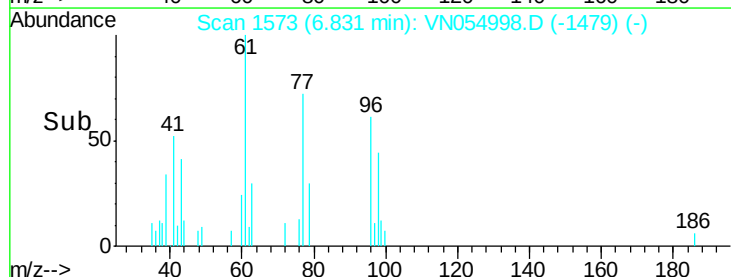
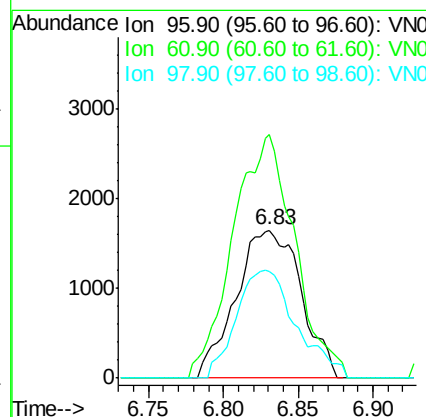
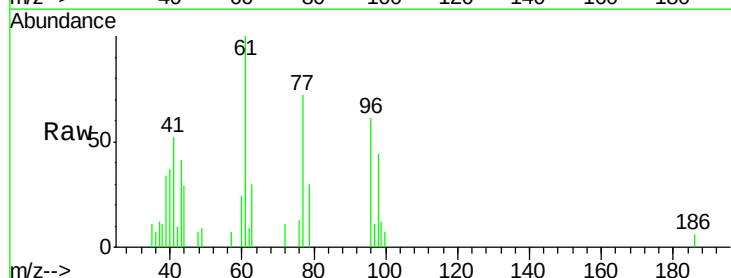
Manual Integrations
 APPROVED

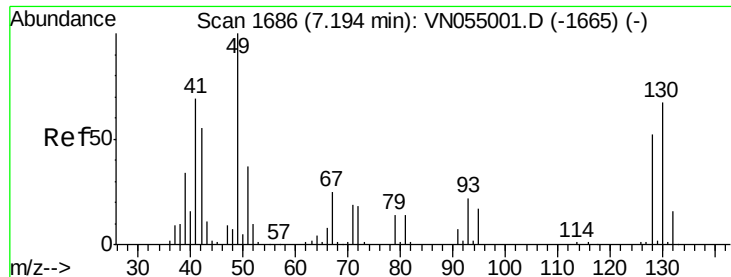
MMDadoda
 4/16/2019 1:57:54 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.953 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 96 Resp: 5003
 Ion Ratio Lower Upper
 96 100
 61 154.8 0.0 311.0
 98 66.9 0.0 127.4





#28

Bromochloromethane

Concen: 1.020 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

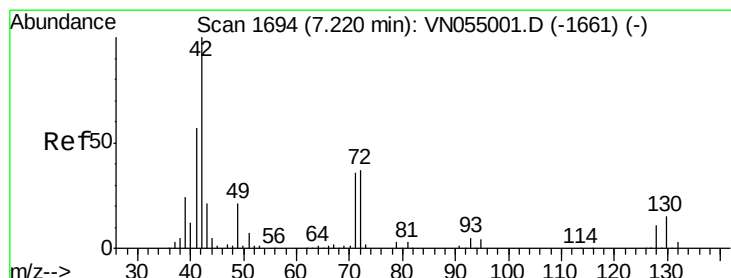
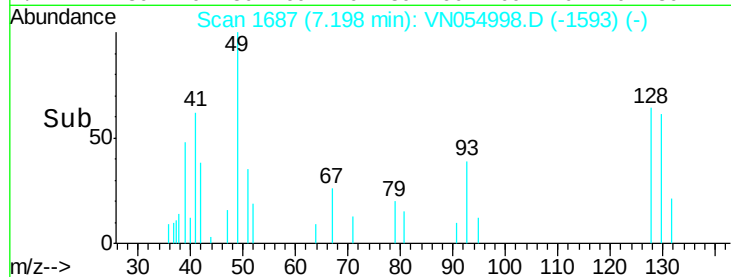
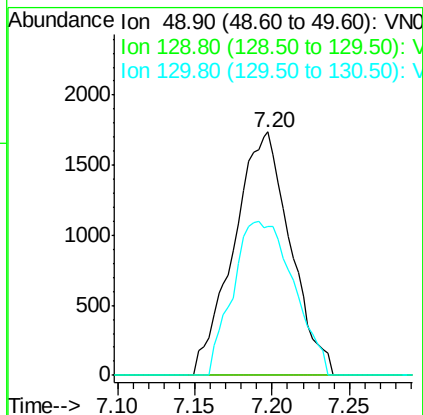
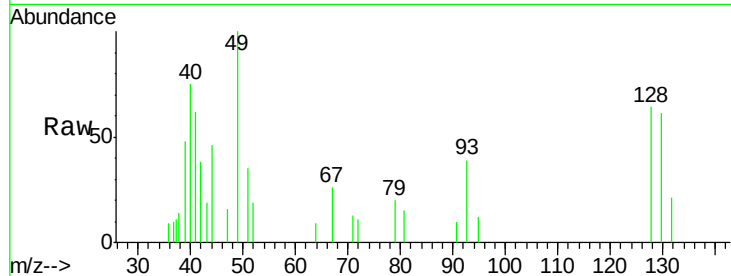
VSTDIC001

Tot Ion: 49 Resp: 4427

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	67.5	53.4	80.2

Manual Integrations
APPROVED

MMDadoda
4/16/2019 1:57:54 PM



#29

Tetrahydrofuran

Concen: 4.863 ug/l

RT: 7.22 min Scan# 1694

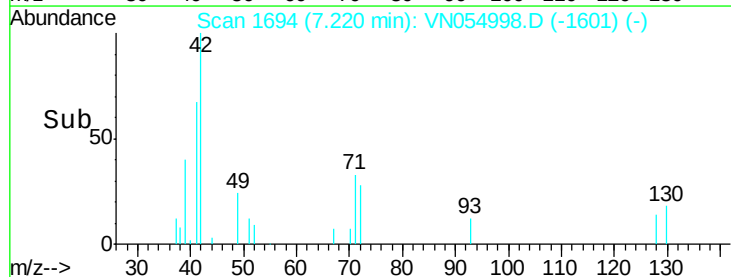
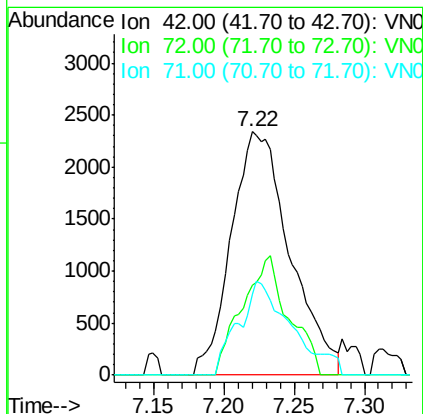
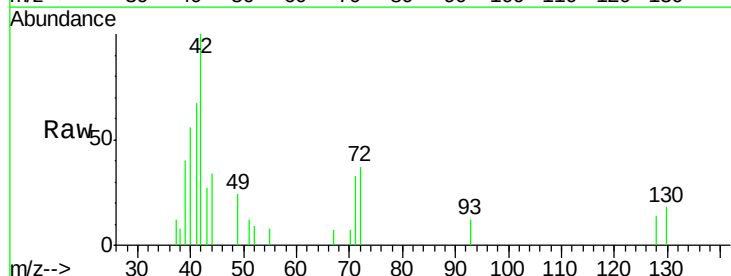
Delta R.T. -0.00 min

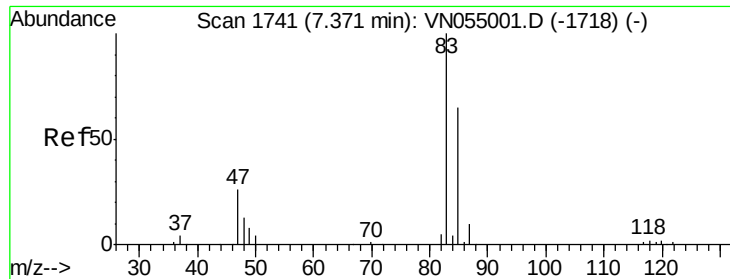
Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion: 42 Resp: 6806

Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.4	44.0
71	34.7	27.8	41.6





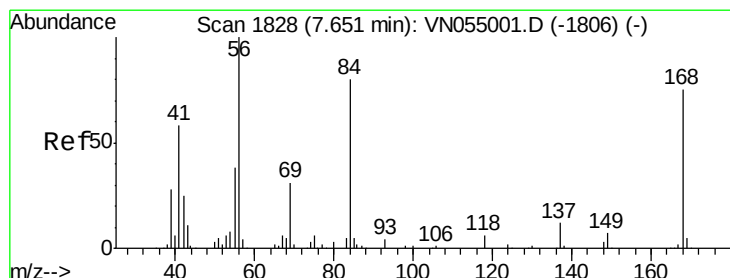
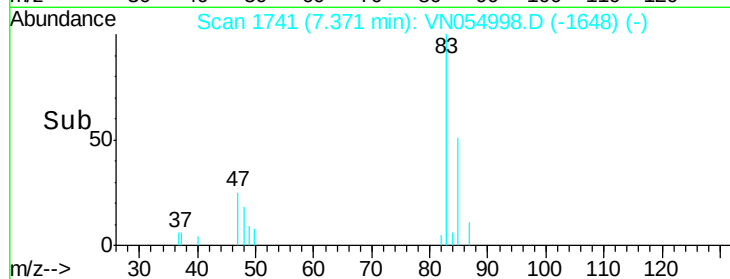
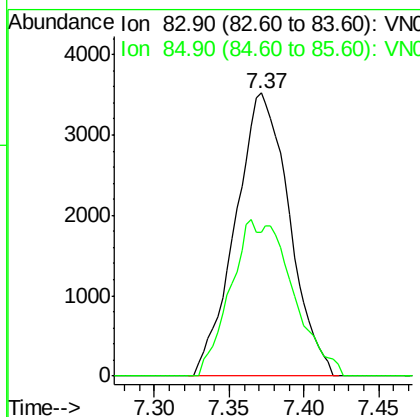
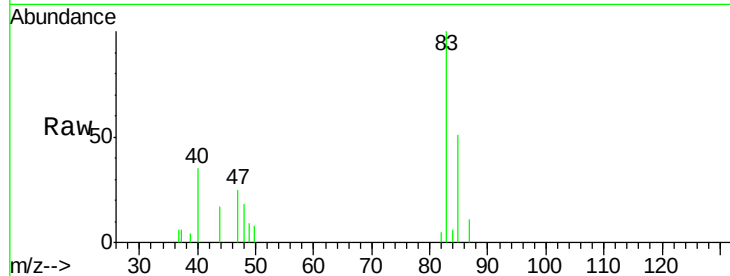
#30
Chloroform
Concen: 1.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	8840
Ion Ratio	100	Lower	Upper
83	100		
85	50.9	51.8	77.6#

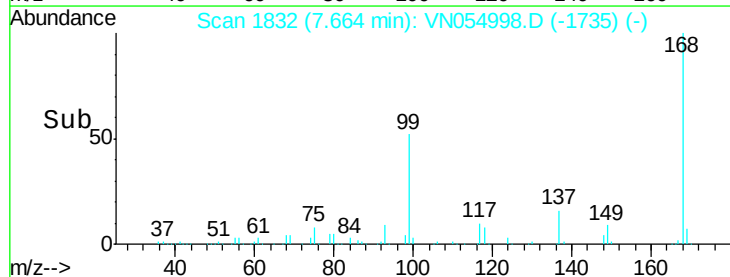
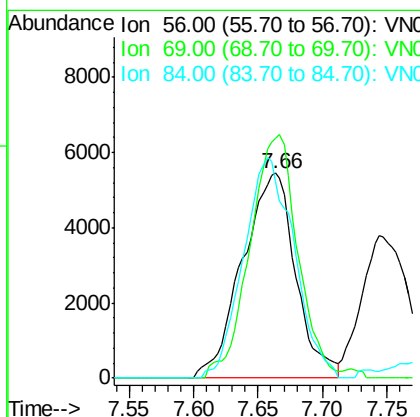
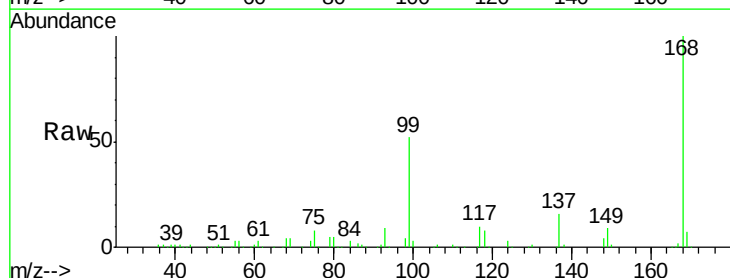
Manual Integrations
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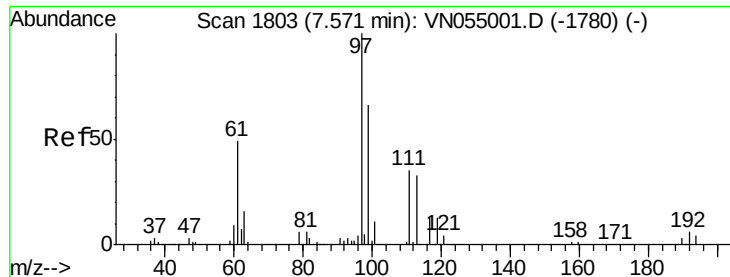
MMDadoda
4/16/2019 1:57:54 PM



#31
Cyclohexane
Concen: 1.492 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion	56	Resp	15647
Ion Ratio	100	Lower	Upper
56	100		
69	117.2	24.5	36.7#
84	96.0	62.9	94.3#





#32

1,1,1-Trichloroethane

Concen: 0.872 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

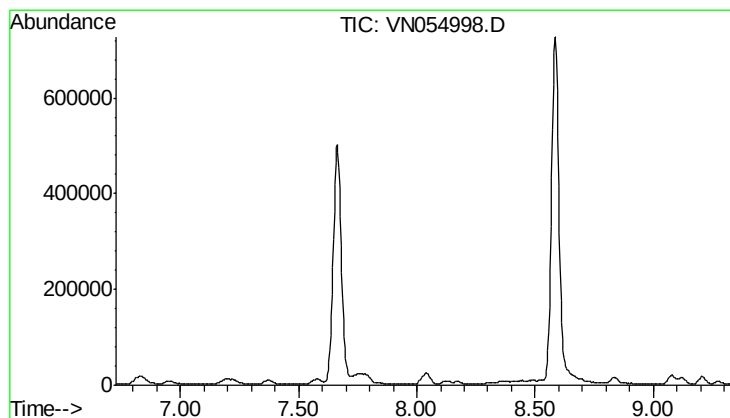
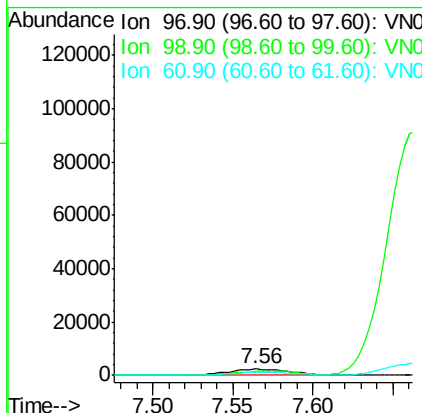
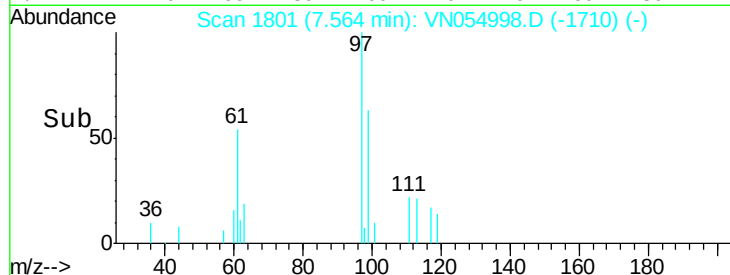
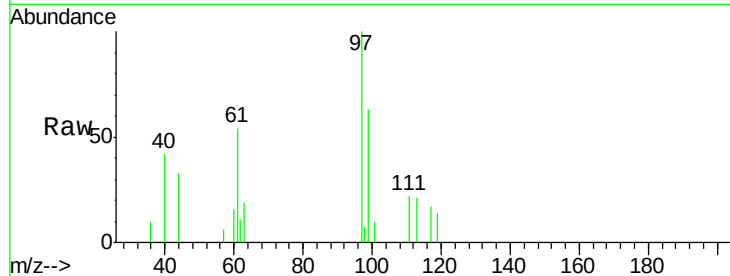
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	6387
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	49.6	38.3	57.5

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN054998.D

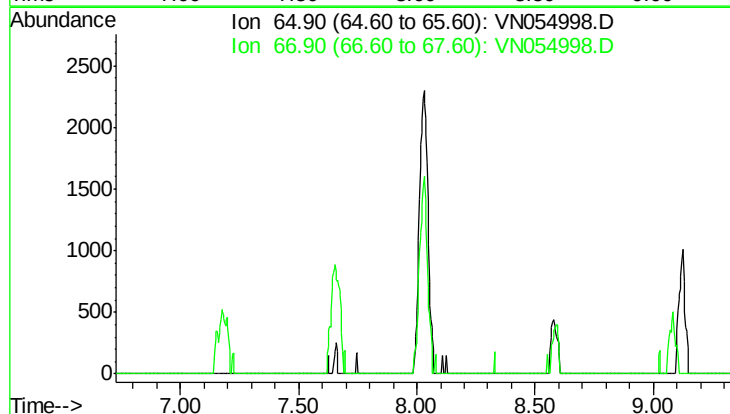
Acq: 12 Apr 2019 14:39

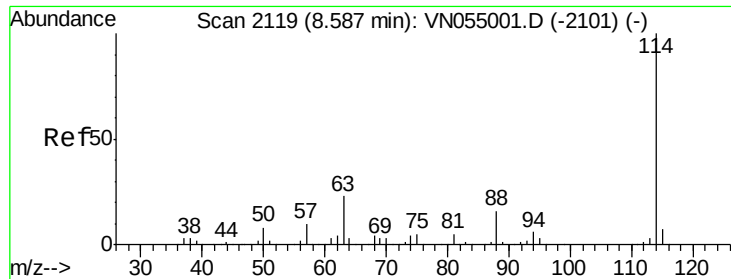
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.2





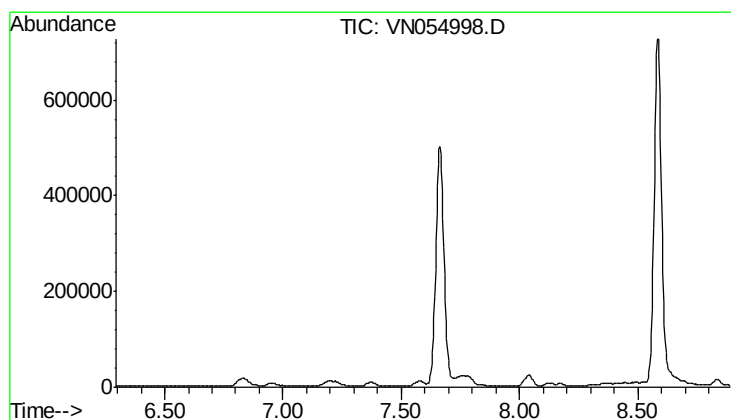
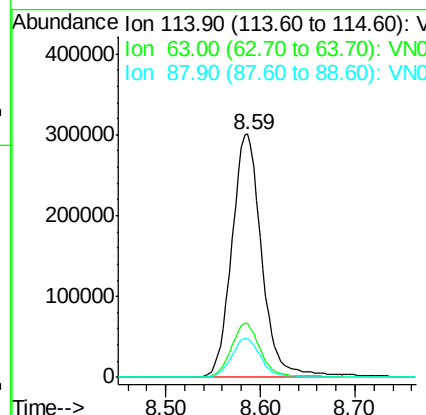
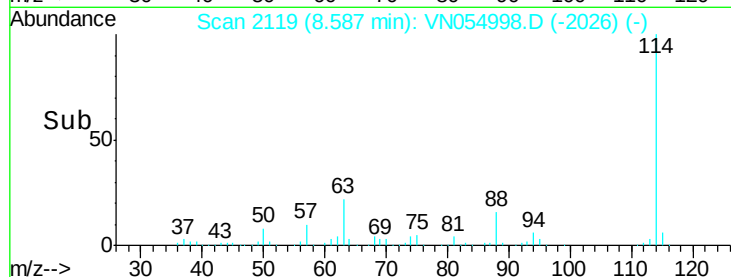
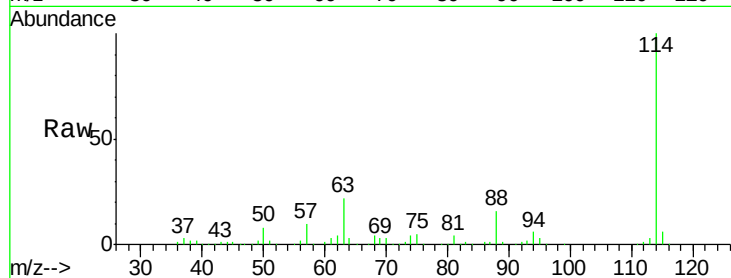
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	114	Resp:	660260
Ion Ratio	Lower	Upper	
114	100		
63	22.1	0.0	45.2
88	15.9	0.0	31.8

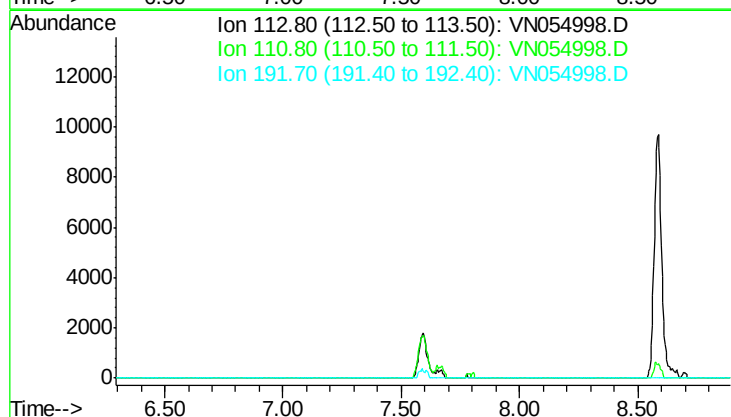
Manual Integrations
 APPROVED

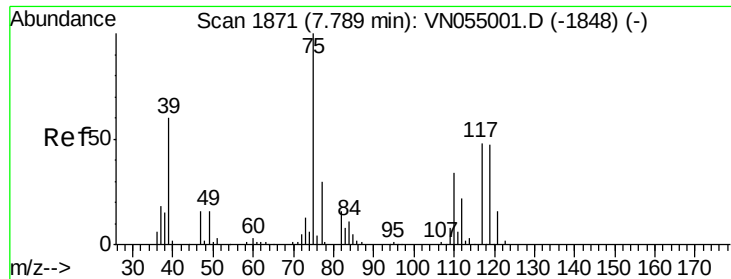
MMDadoda
 4/16/2019 1:57:54 PM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.6
192	20.6





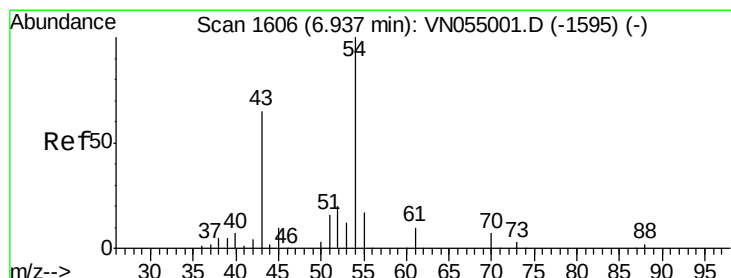
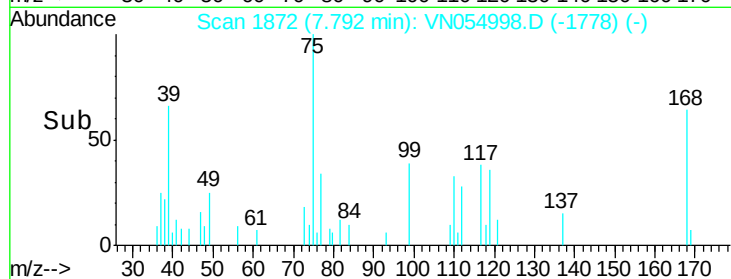
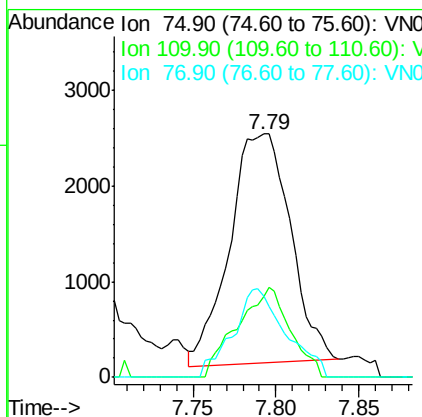
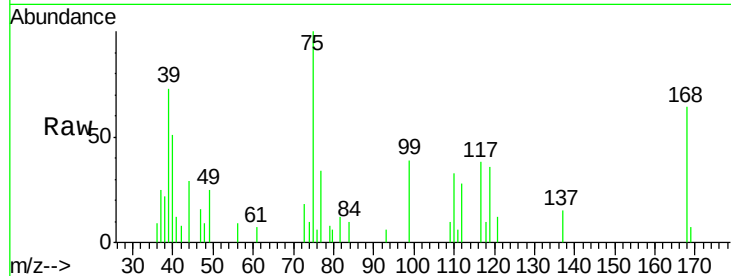
#36
 1,1-Dichloropropene
 Concen: 0.949 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.5	52.5
77	33.9	24.9	37.3

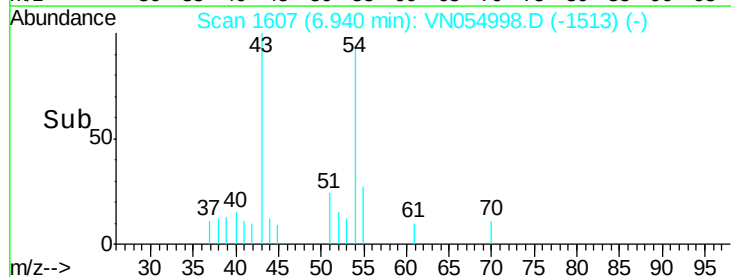
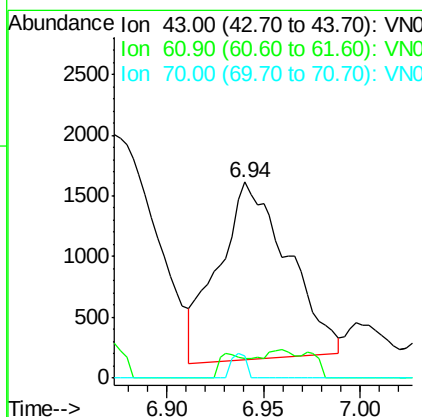
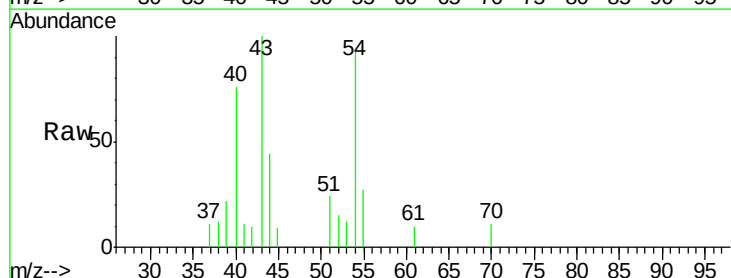
Manual Integrations
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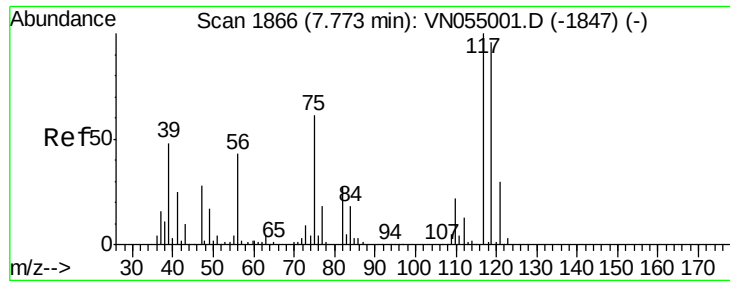
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.804 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	2.9	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 1.040 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

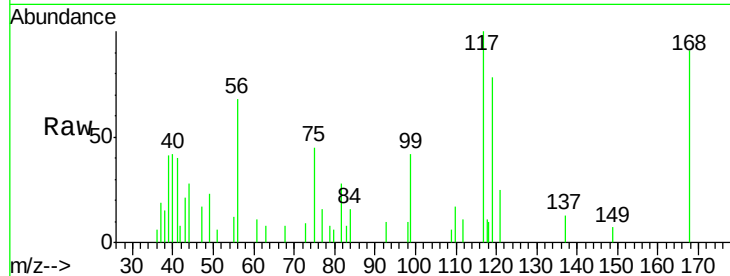
ClientSampled :

VSTDIC001

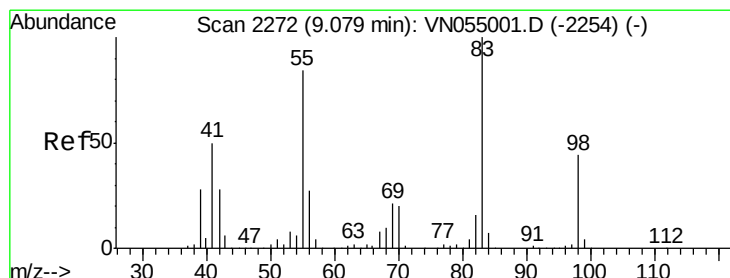
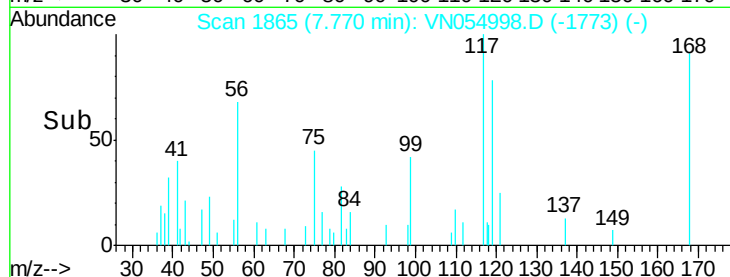
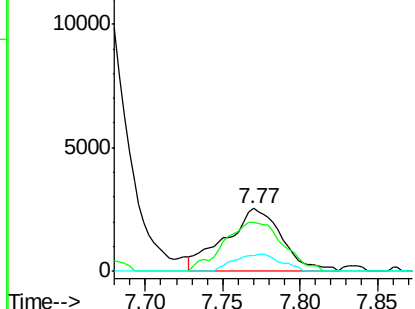
Tot Ion:	117	Resp:	6456
Ion	Ratio	Lower	Upper
117	100		
119	78.4	76.3	114.5
121	25.0	23.9	35.9

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



#39

Methylcyclohexane

Concen: 1.026 ug/l

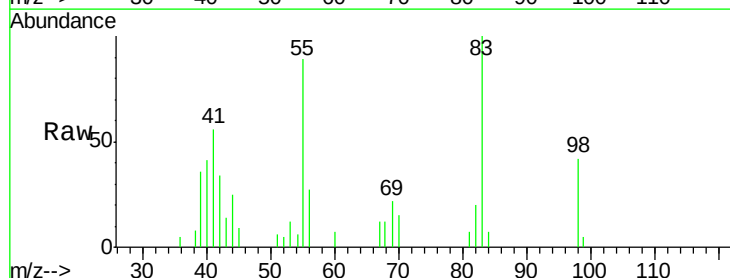
RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

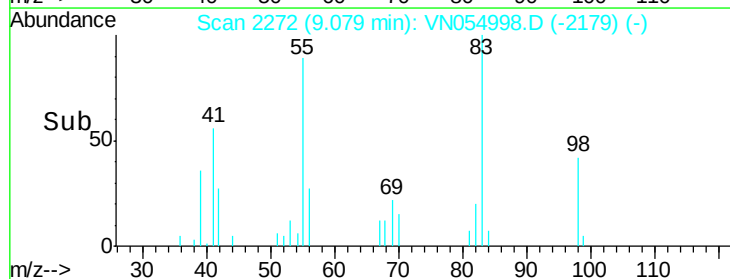
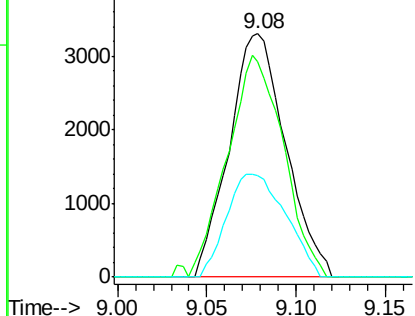
Lab File: VN054998.D

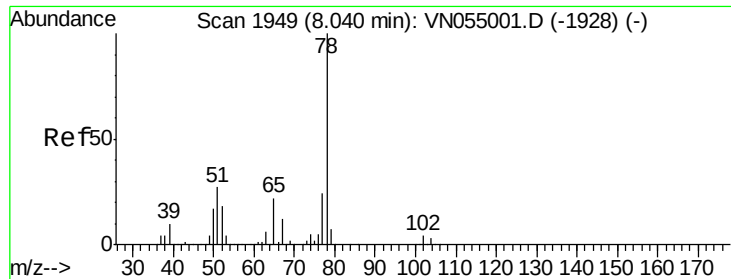
Acq: 12 Apr 2019 14:39

Tgt Ion:	83	Resp:	7292
Ion	Ratio	Lower	Upper
83	100		
55	88.7	67.0	100.4
98	41.9	35.6	53.4



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





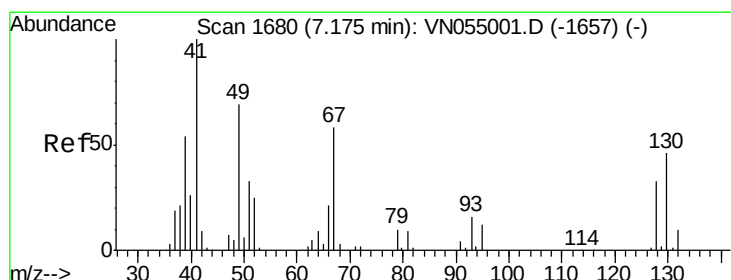
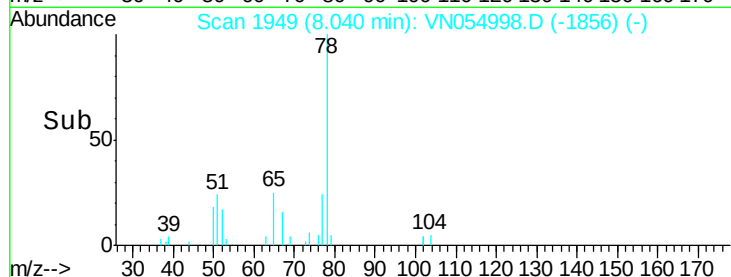
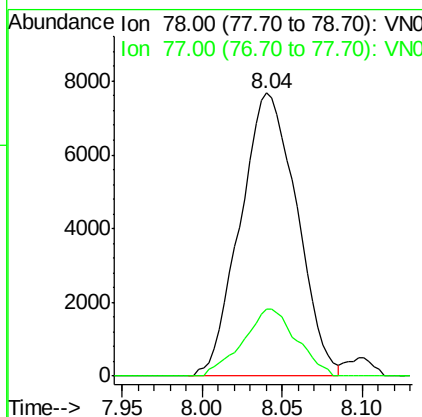
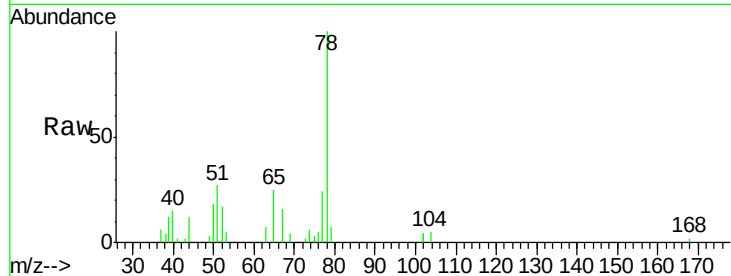
#40
Benzene
Concen: 0.999 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 18637
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

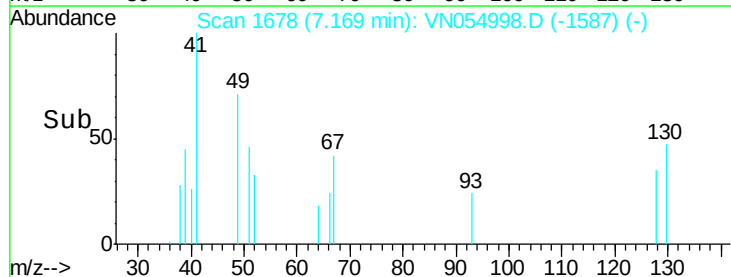
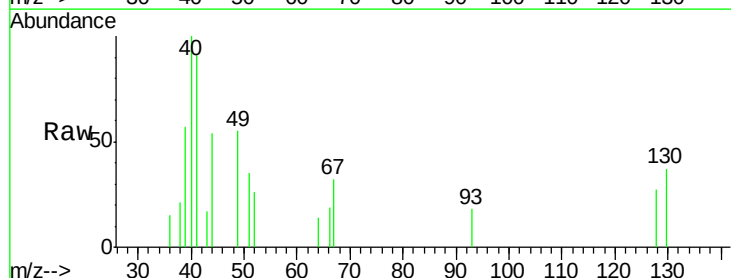
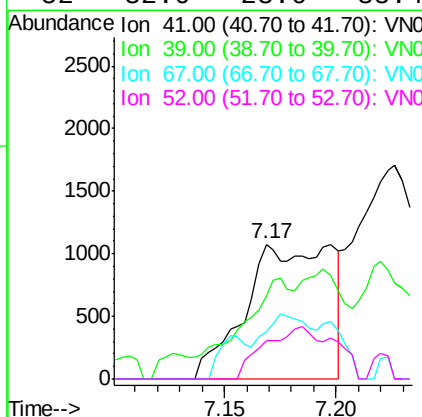
Manual Integrations
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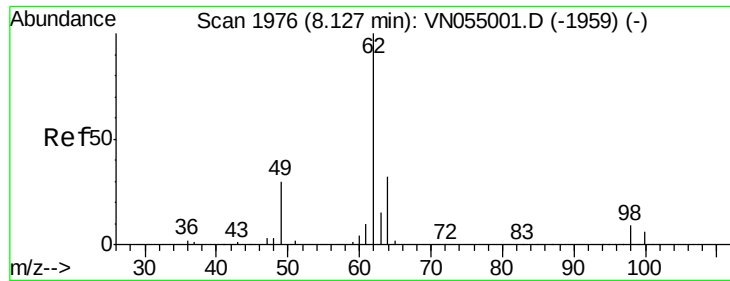
MMDadoda
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#41
Methacrylonitrile
Concen: 1.103 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 41 Resp: 2850
Ion Ratio Lower Upper
41 100
39 30.0 45.6 68.4#
67 13.6 57.0 85.6#
52 32.0 23.6 35.4





#42

1,2-Dichloroethane

Concen: 1.034 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 6797

Ion Ratio Lower Upper

62 100

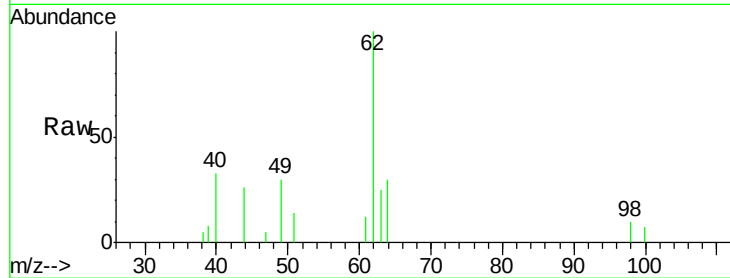
98 6.4 0.0 17.4

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.12

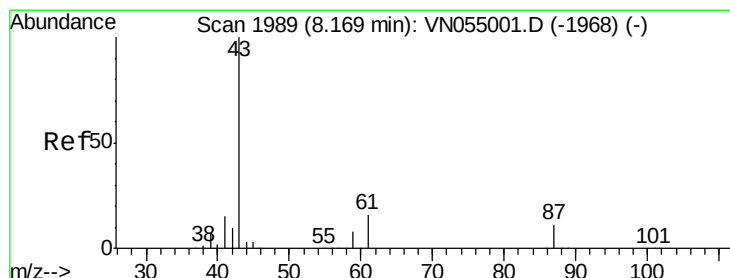
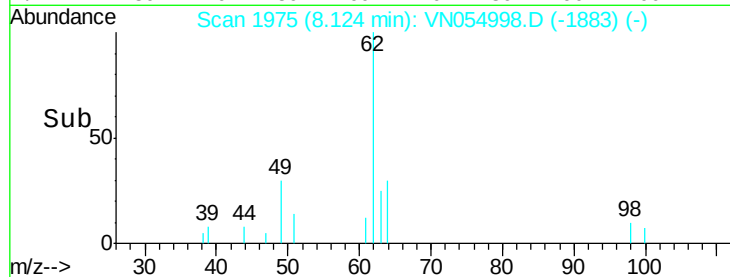
3000

2000

1000

0

Time-->



#43

Isopropyl Acetate

Concen: 0.915 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

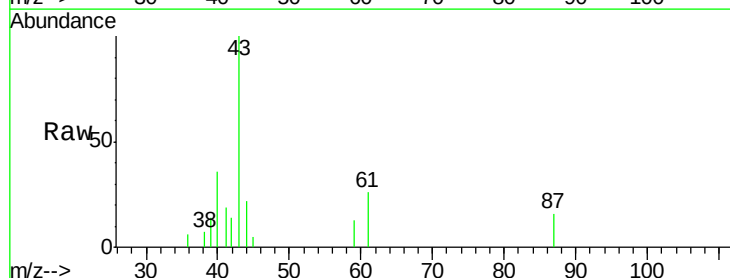
Tgt Ion: 43 Resp: 6980

Ion Ratio Lower Upper

43 100

61 16.5 14.3 21.5

87 13.7 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.17

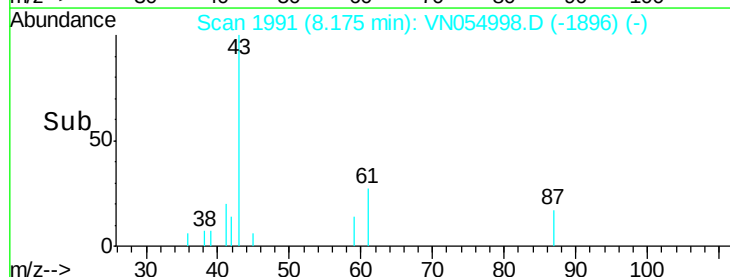
3000

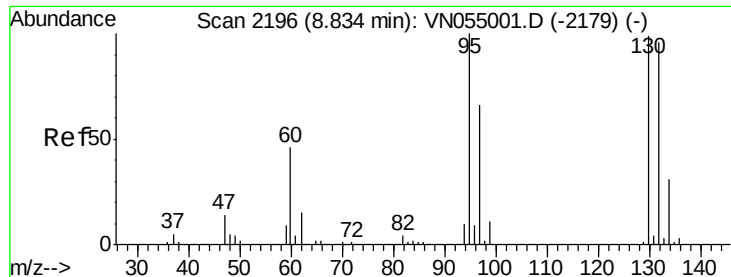
2000

1000

0

Time-->





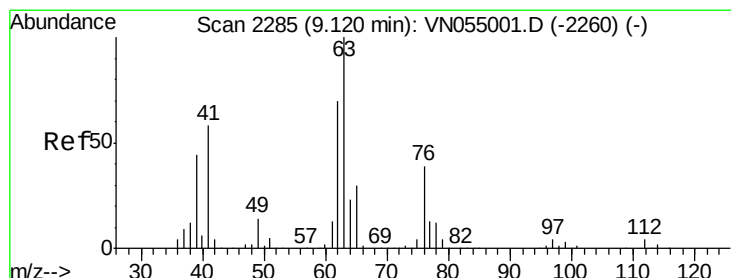
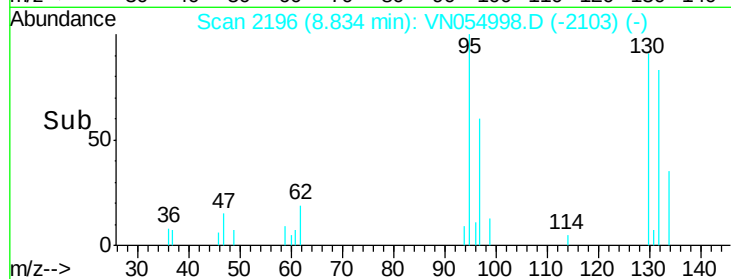
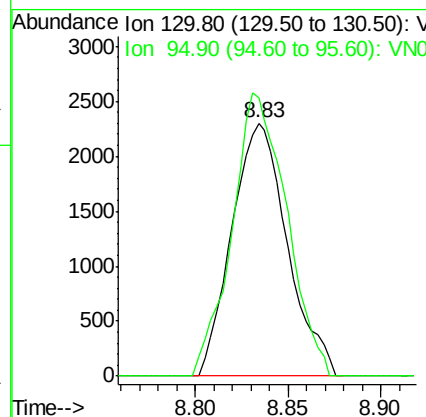
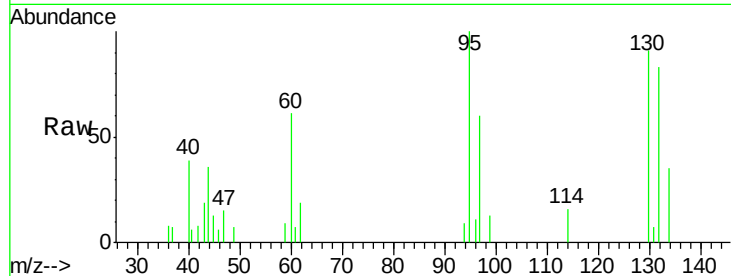
#44
 Trichloroethene
 Concen: 1.003 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 4790
 Ion Ratio Lower Upper
 130 100
 95 110.1 0.0 201.6

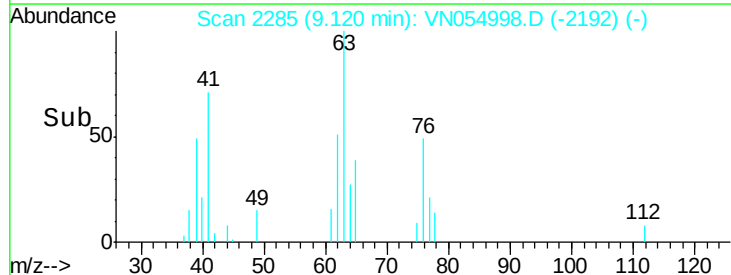
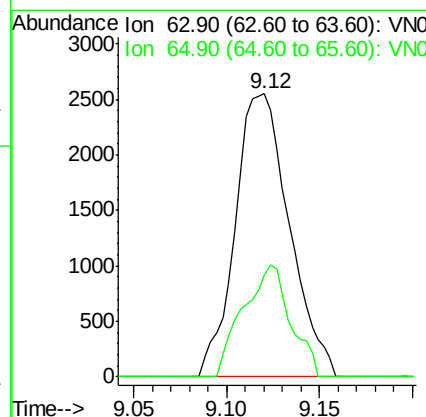
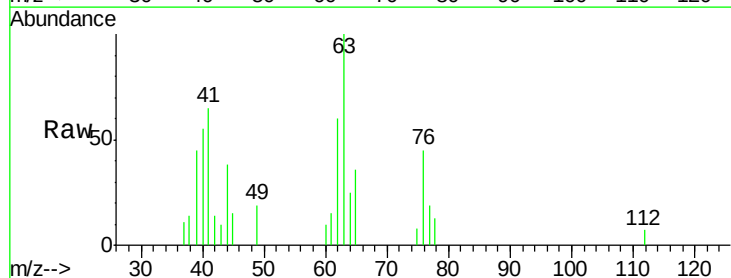
Manual Integrations
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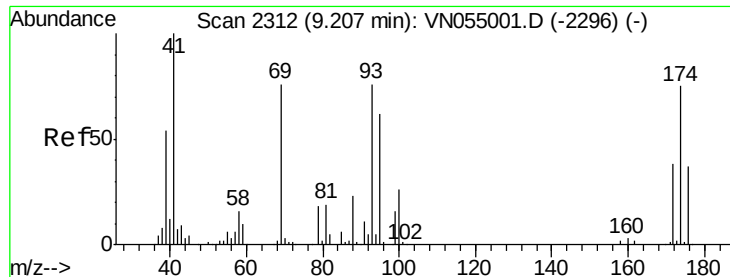
MMDadoda
 4/16/2019 1:57:54 PM



#45
 1,2-Dichloropropane
 Concen: 0.995 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion: 63 Resp: 5177
 Ion Ratio Lower Upper
 63 100
 65 35.9 24.4 36.6





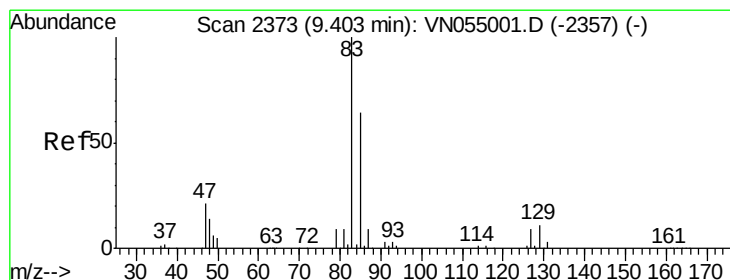
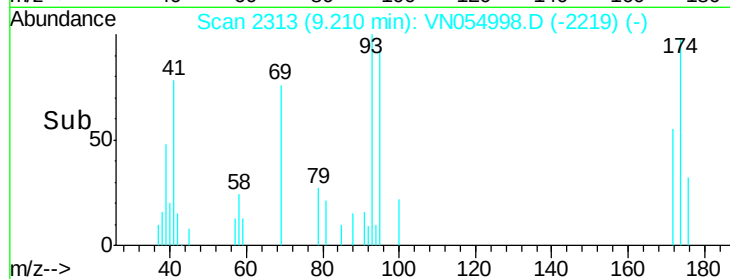
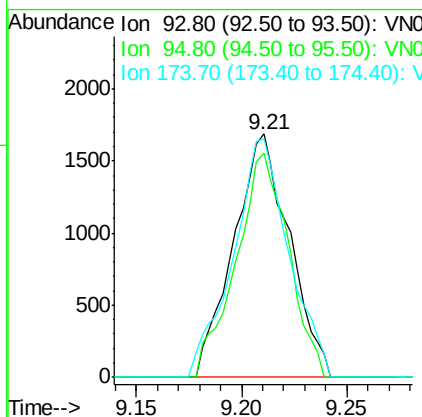
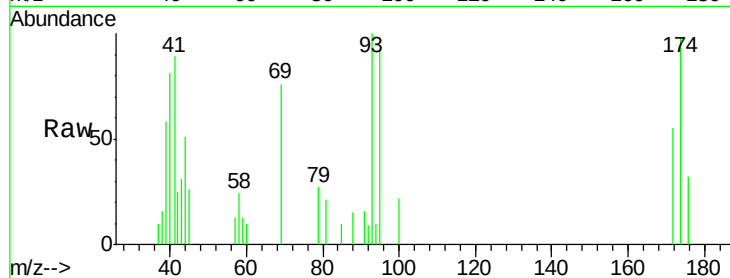
#46
 Dibromomethane
 Concen: 1.043 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.6
174	98.1	81.0	121.6

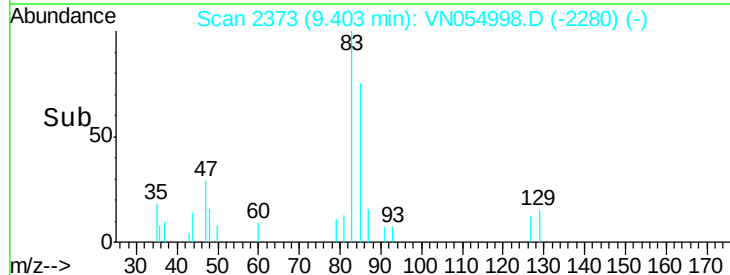
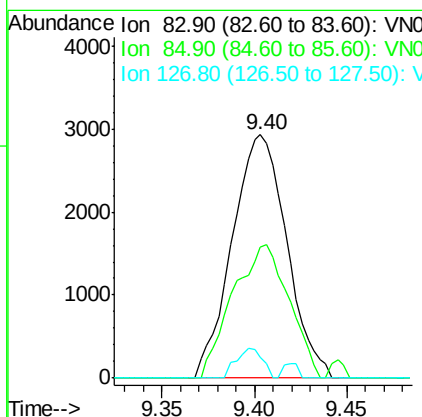
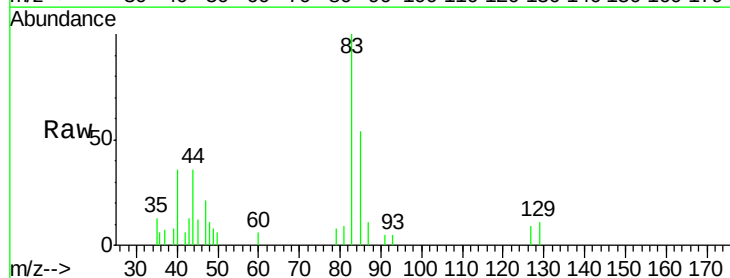
Manual Integrations
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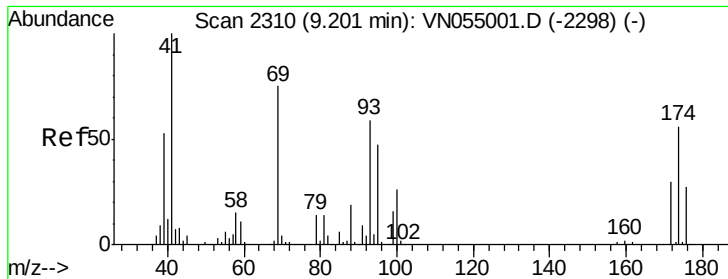
MMDadoda
 4/16/2019 1:57:54 PM



#47
 Bromodichloromethane
 Concen: 0.963 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.0	51.2	76.8
127	8.8	6.8	10.2





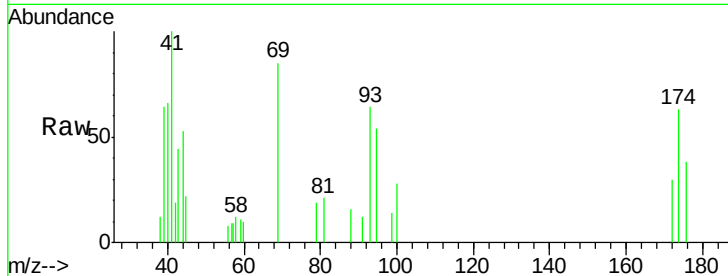
#48
Methvl methacrylate
Concen: 1.075 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

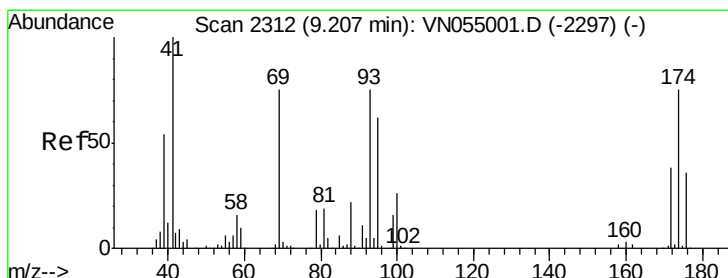
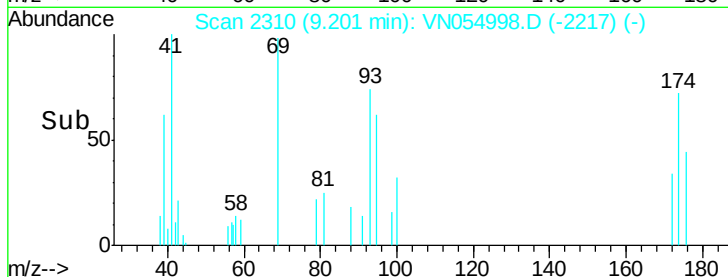
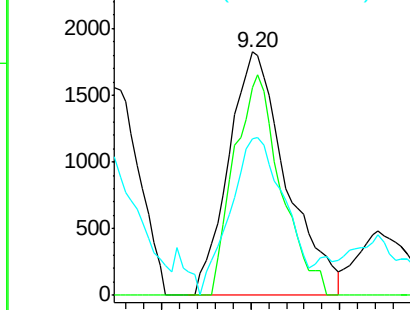
Tot Ion	Ratio	Lower	Upper
41	100		
69	73.3	60.5	90.7
39	60.9	43.9	65.9

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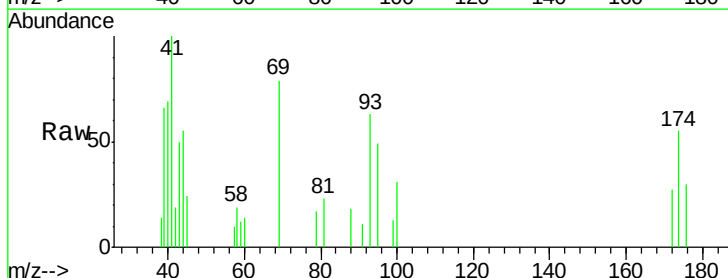


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

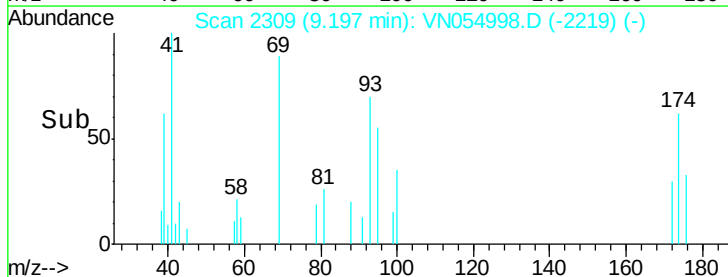
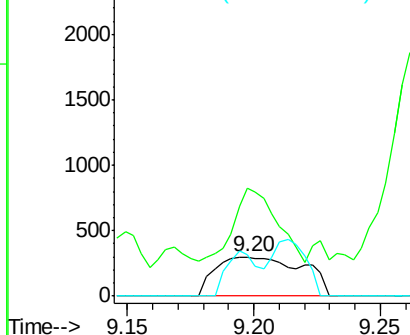


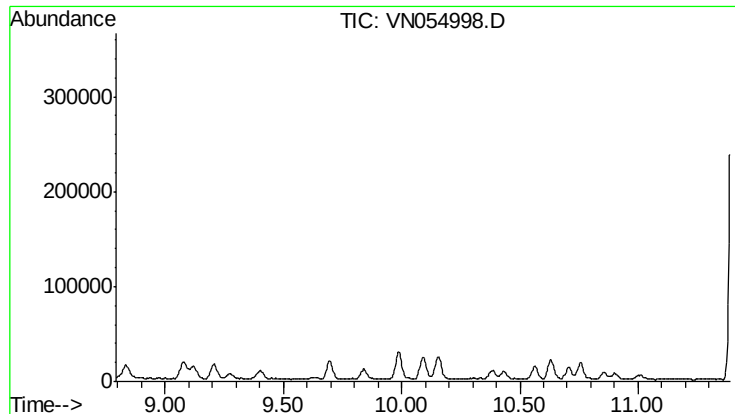
#49
1,4-Dioxane
Concen: 18.091 ug/l m
RT: 9.20 min Scan# 2309
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
88	100		
43	90.8	31.8	47.8#
58	42.0	61.6	92.4#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





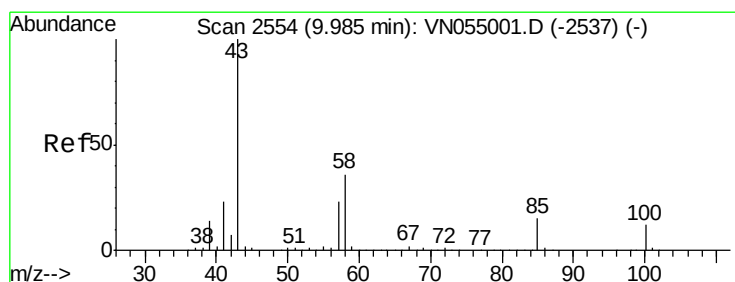
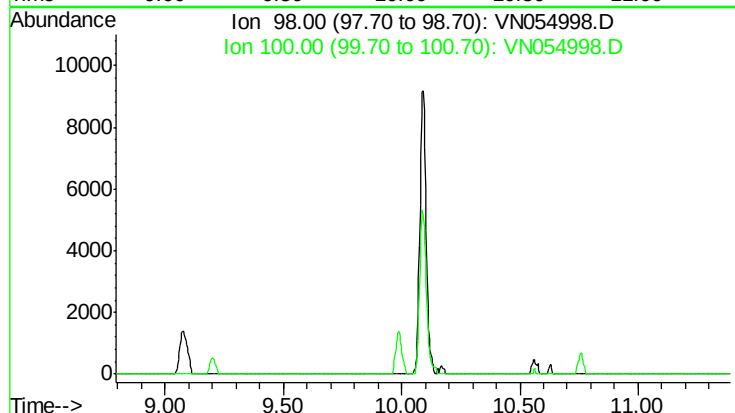
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

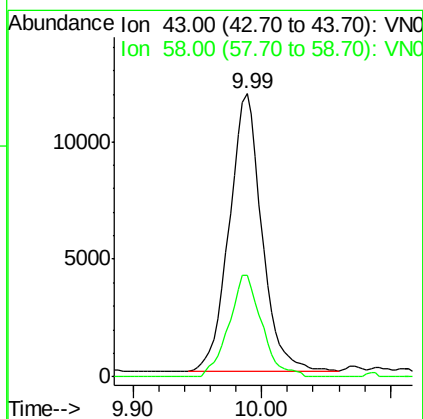
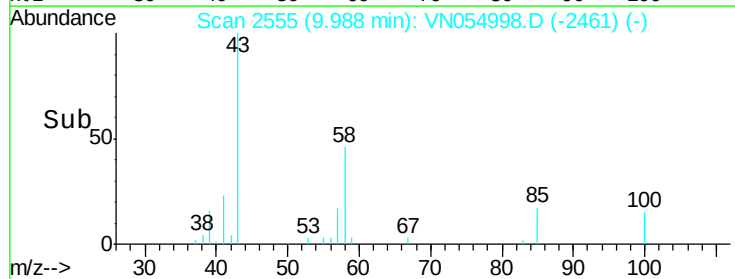
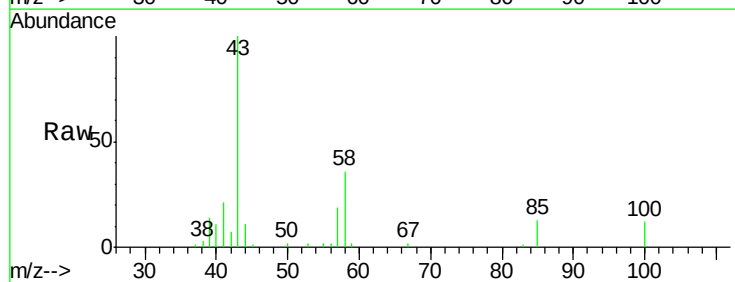
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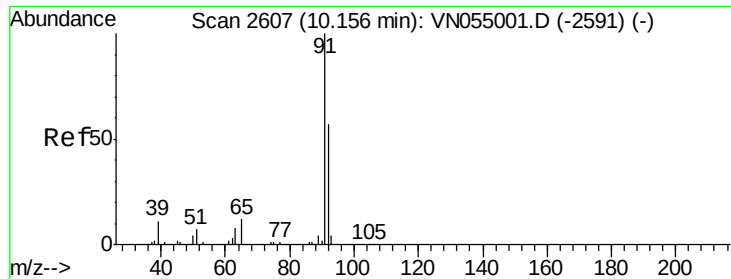
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#51
4-Methyl-2-Pentanone
Concen: 4.869 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 43 Resp: 20831
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.4





#52

Toluene

Concen: 0.964 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 10585

Ion Ratio Lower Upper

92 100

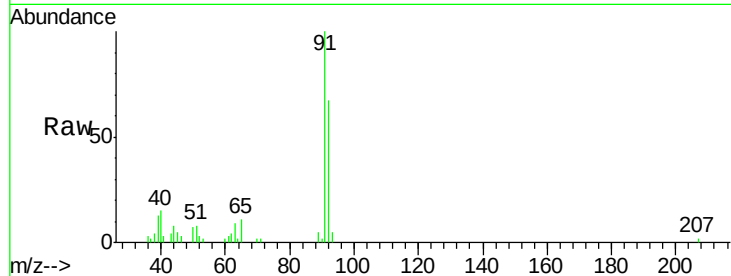
91 174.3 140.8 211.2

Manual Integrations

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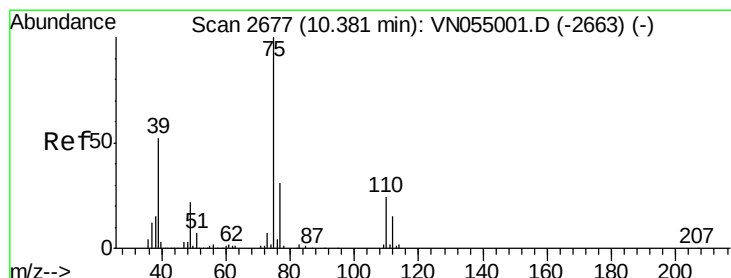
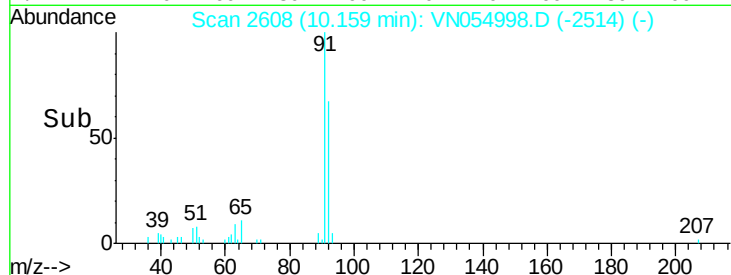
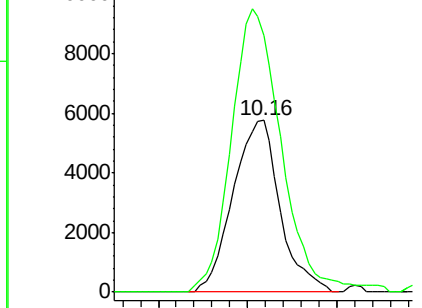
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.811 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054998.D

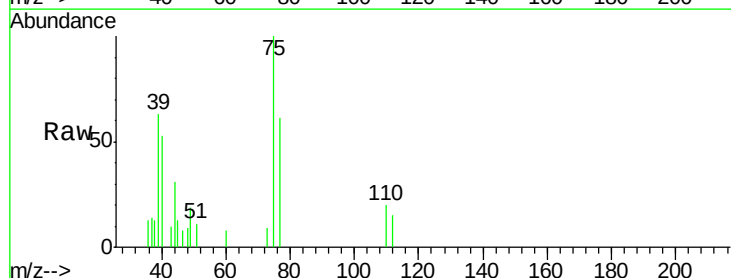
Acq: 12 Apr 2019 14:39

Tgt Ion: 75 Resp: 4616

Ion Ratio Lower Upper

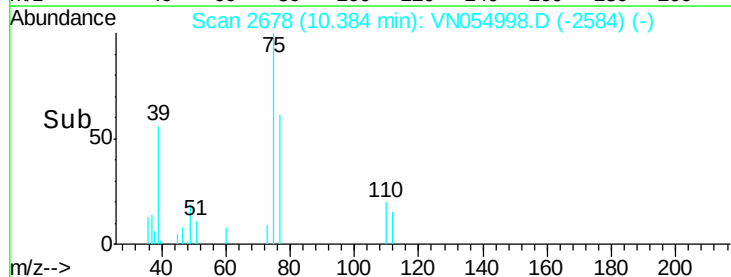
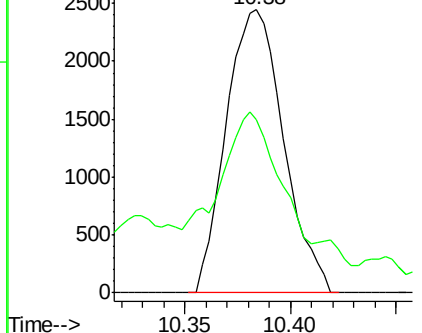
75 100

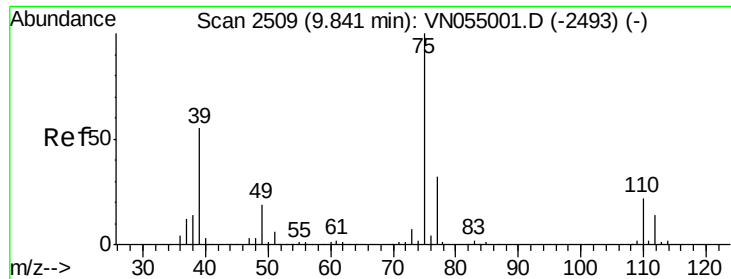
77 45.4 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

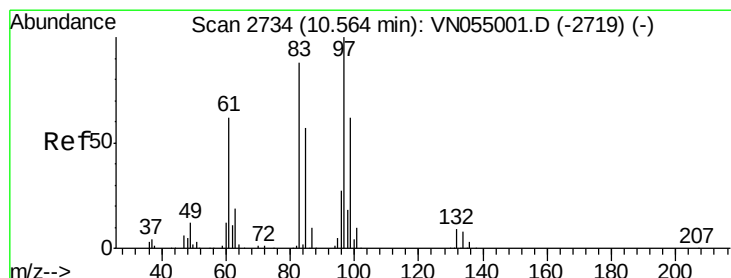
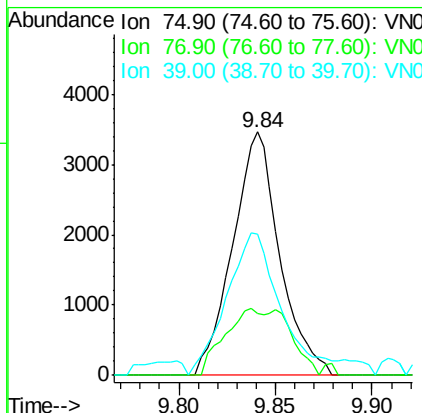
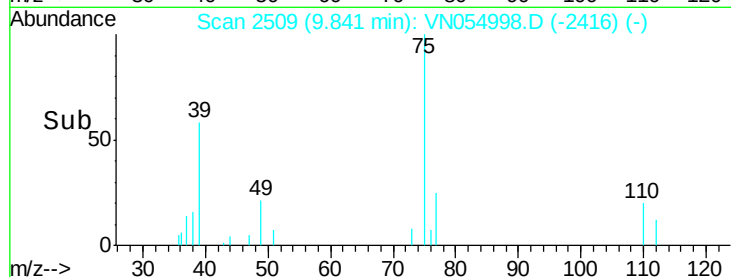
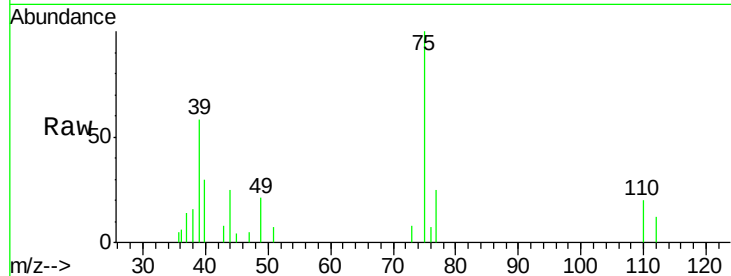
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5862
Ion	Ratio	Lower	Upper
75	100		
77	25.5	25.8	38.6#
39	57.9	43.8	65.8

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.966 ug/l

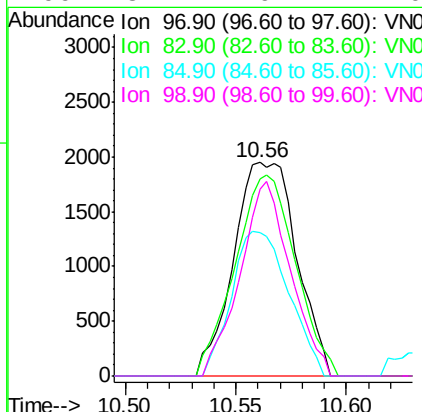
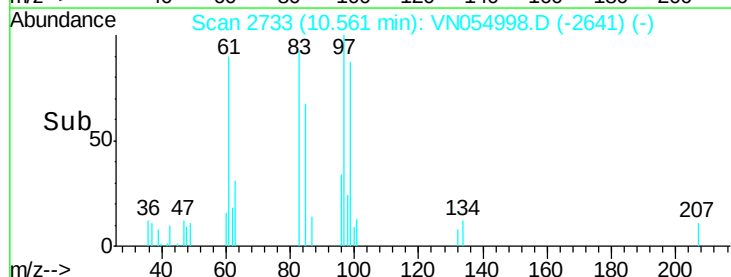
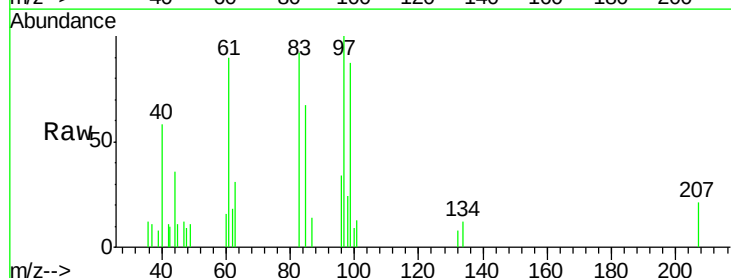
RT: 10.56 min Scan# 2733

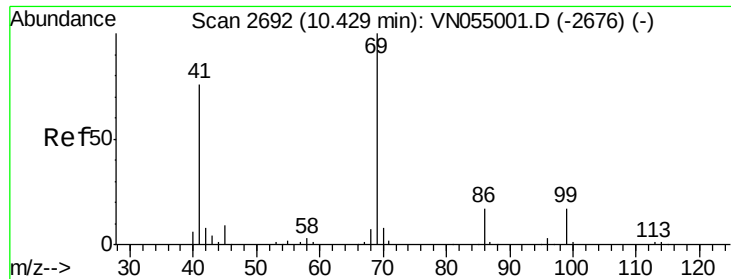
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	97	Resp:	3882
Ion	Ratio	Lower	Upper
97	100		
83	92.2	70.5	105.7
85	67.3	45.5	68.3
99	87.4	49.4	74.0#





#56

Ethyl methacrylate

Concen: 0.843 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

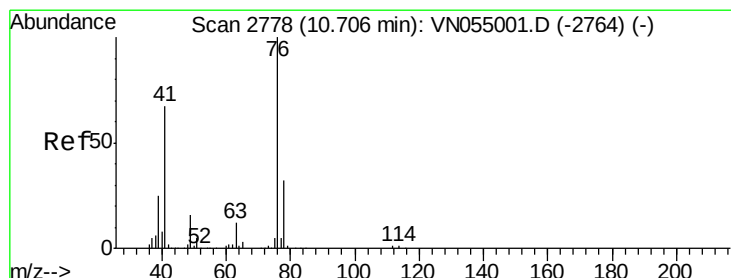
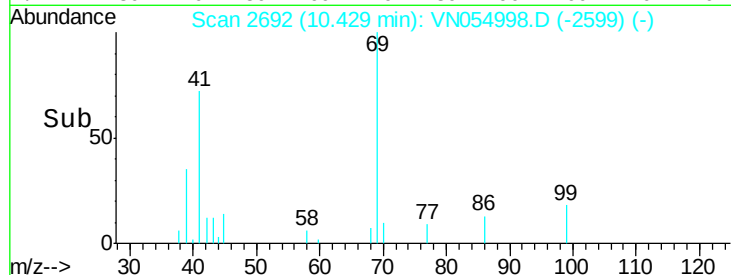
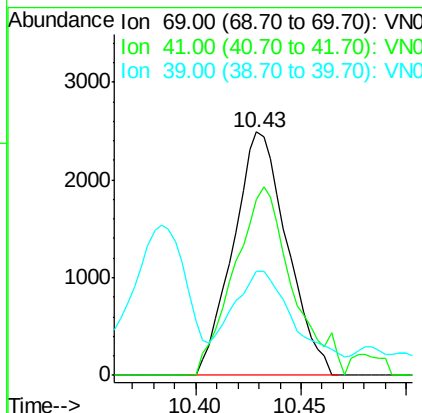
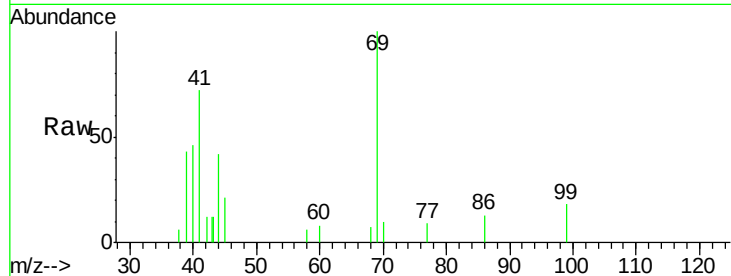
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4416
Ion	Ratio	Lower	Upper
69	100		
41	83.4	61.4	92.0
39	38.7	30.8	46.2

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#57

1,3-Dichloropropane

Concen: 0.918 ug/l

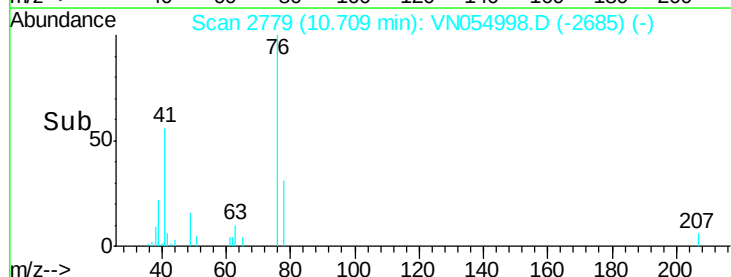
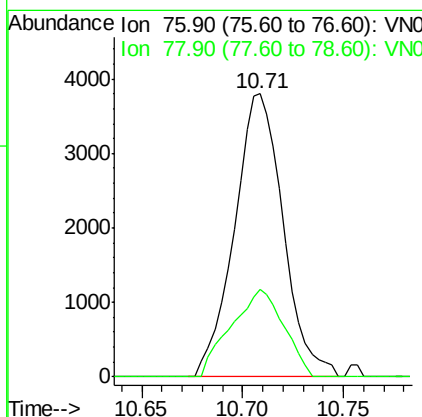
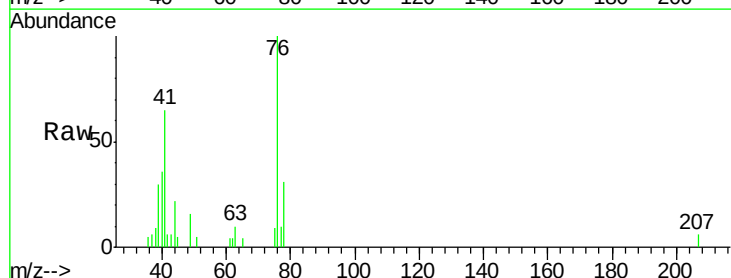
RT: 10.71 min Scan# 2779

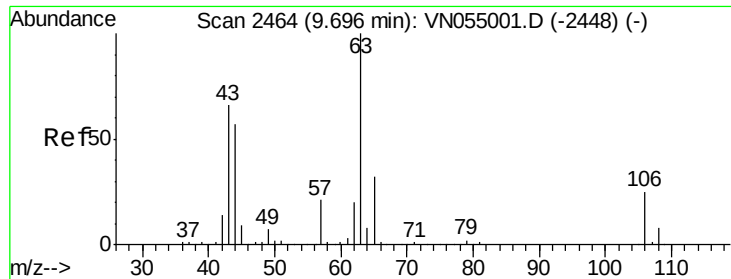
Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	76	Resp:	6438
Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.6	38.4





#58

2-Chloroethyl Vinyl ether

Concen: 3.845 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 7912

Ion Ratio Lower Upper

63 100

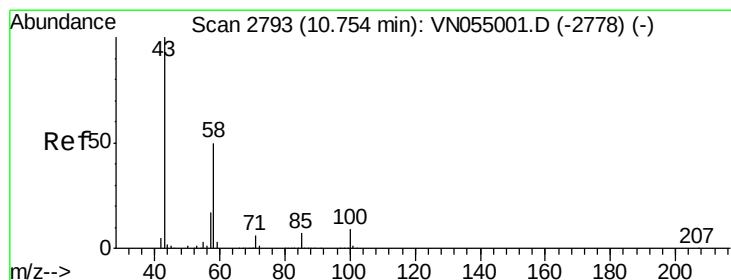
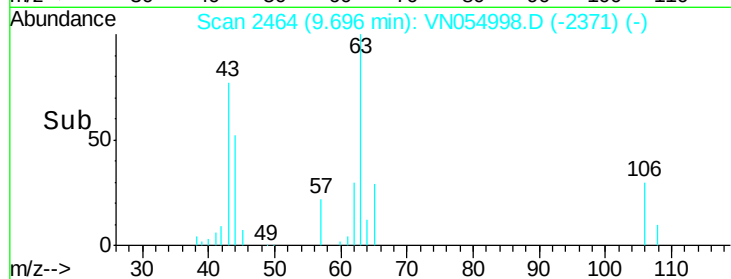
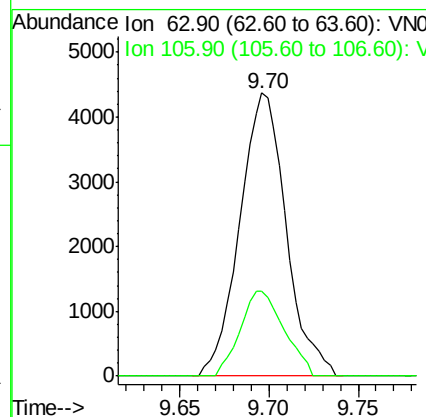
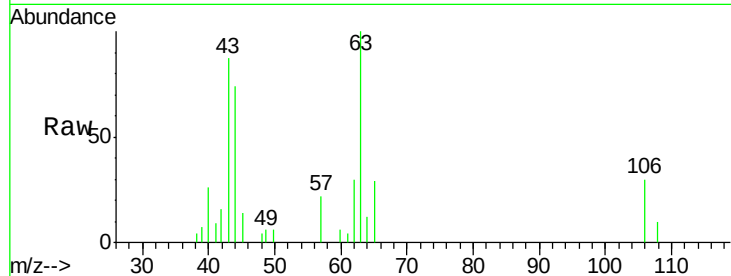
106 28.4 20.0 30.0

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#59

2-Hexanone

Concen: 4.592 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054998.D

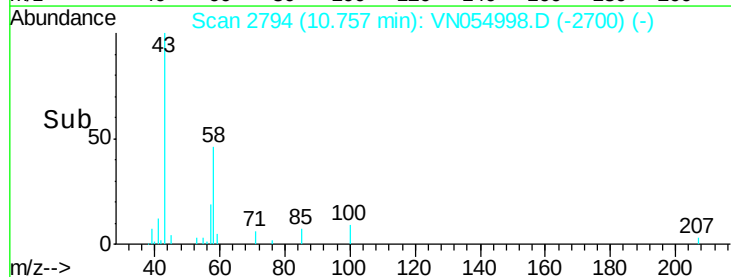
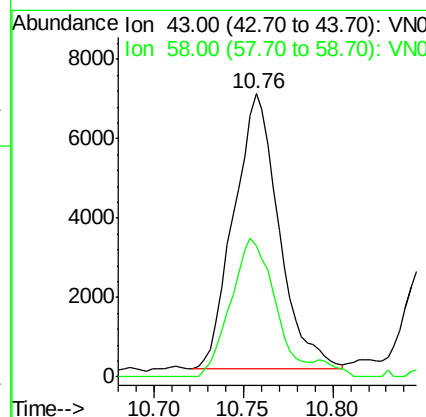
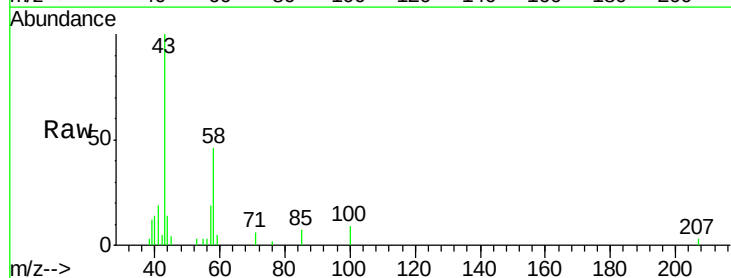
Acq: 12 Apr 2019 14:39

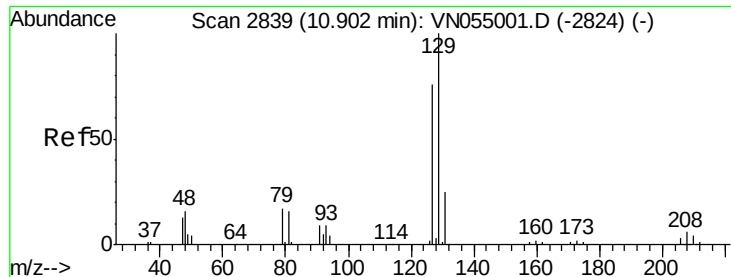
Tgt Ion: 43 Resp: 12219

Ion Ratio Lower Upper

43 100

58 48.8 25.1 75.2





#60

Dibromochloromethane

Concen: 0.777 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3248

Ion Ratio Lower Upper

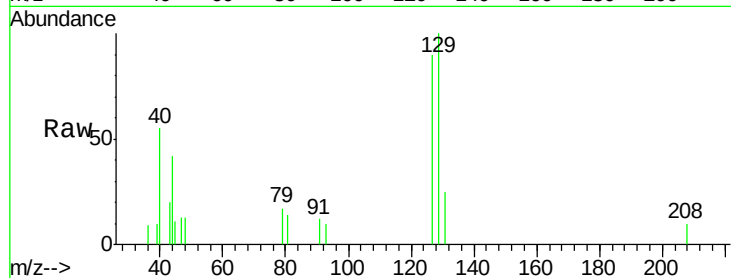
129 100

127 83.5 38.2 114.6

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

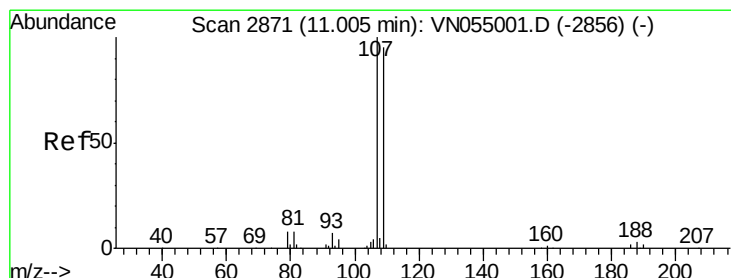
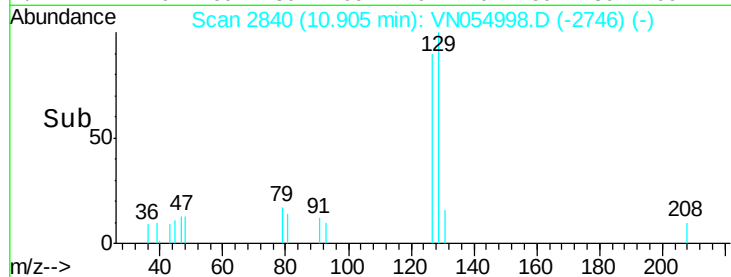
1500

1000

500

0

Time--> 10.85 10.90 10.95



#61

1,2-Dibromoethane

Concen: 0.992 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054998.D

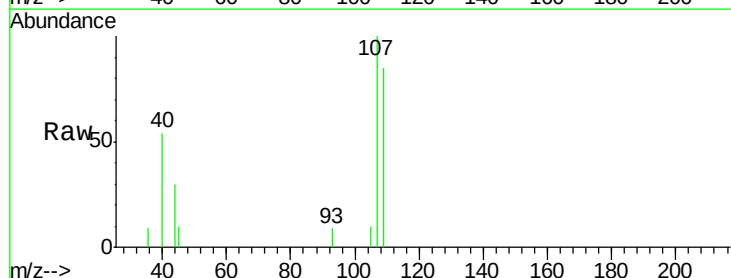
Acq: 12 Apr 2019 14:39

Tgt Ion:107 Resp: 3738

Ion Ratio Lower Upper

107 100

109 88.7 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

2000

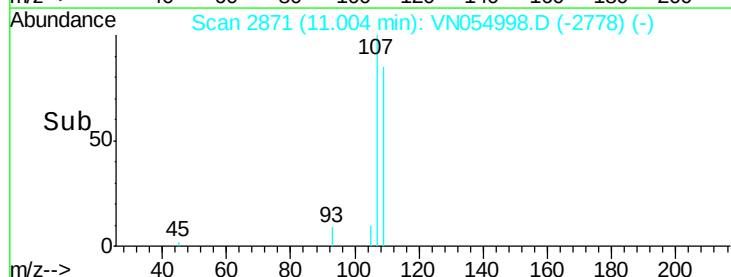
1500

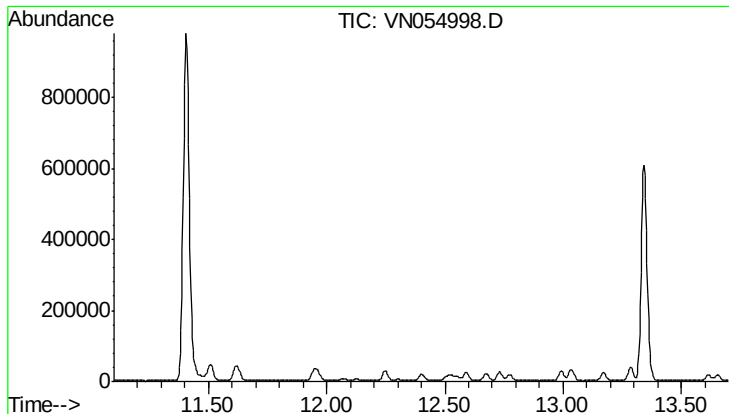
1000

500

0

Time--> 10.95 11.00 11.05





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tot Ion: 95

Sig Exp Ratio

95 100

174 87.2

176 83.4

Instrument :

MSVOA_N

ClientSampleId :

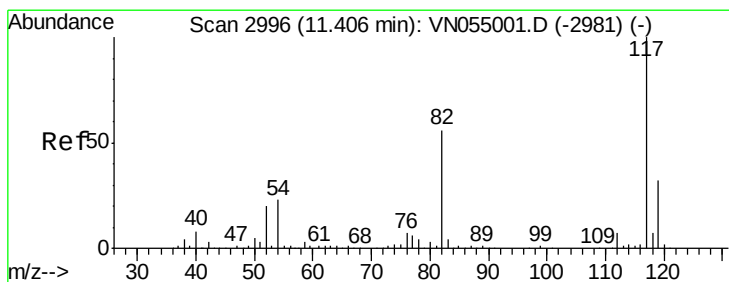
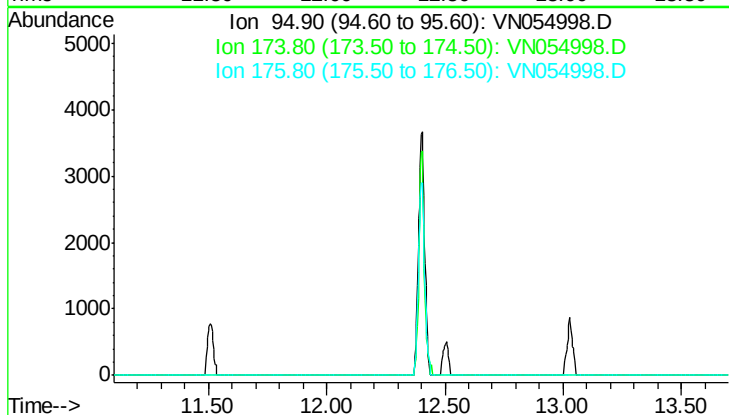
VSTDIC001

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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: VN054998.D

Acq: 12 Apr 2019 14:39

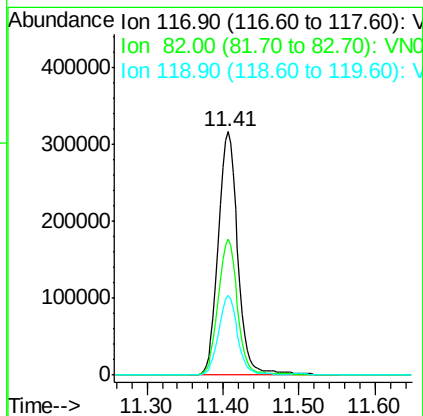
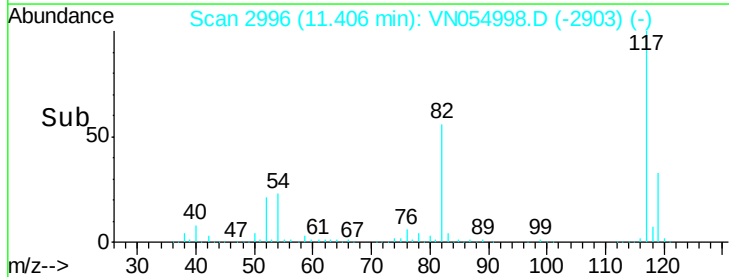
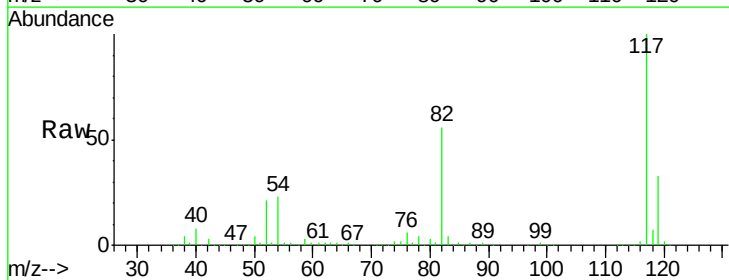
Tgt Ion: 117 Resp: 566622

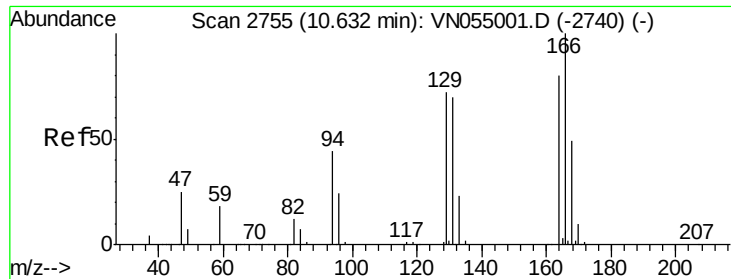
Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 32.5 25.5 38.3





#64

Tetrachloroethene

Concen: 1.114 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:164 Resp: 5053

Ion Ratio Lower Upper

164 100

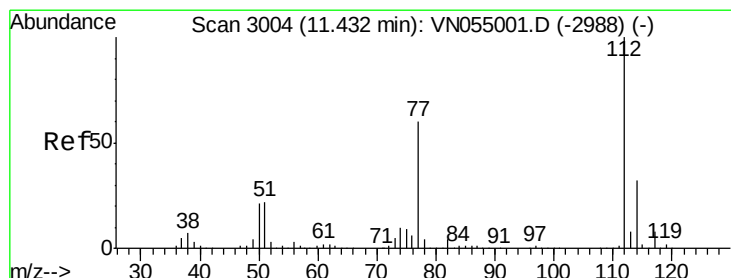
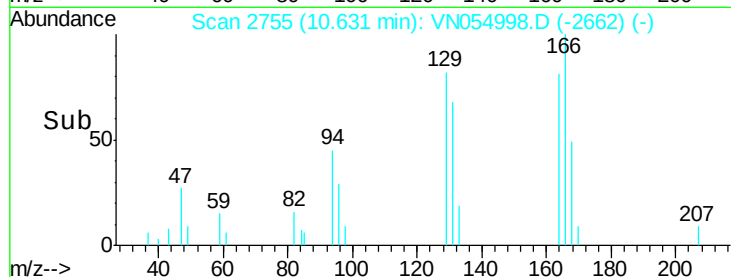
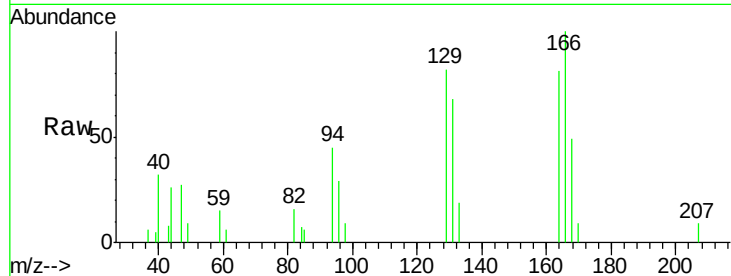
166 123.9 100.0 150.0

129 101.0 72.0 108.0

131 84.9 69.7 104.5

Manual Integrations
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#65

Chlorobenzene

Concen: 0.942 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054998.D

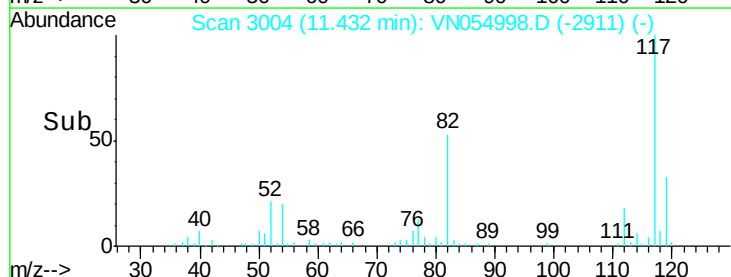
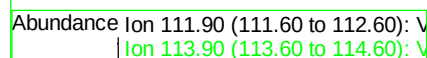
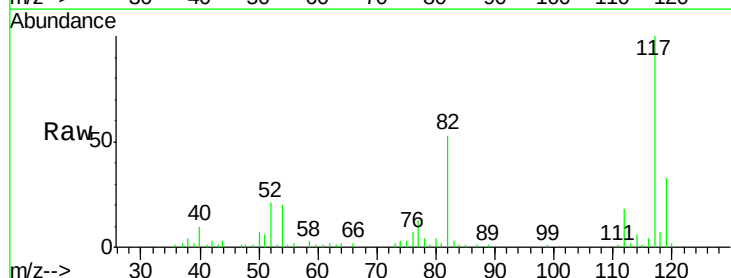
Acq: 12 Apr 2019 14:39

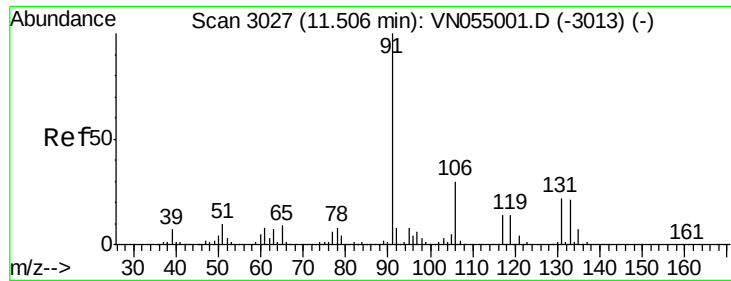
Tgt Ion:112 Resp: 10744

Ion Ratio Lower Upper

112 100

114 35.3 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 0.924 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

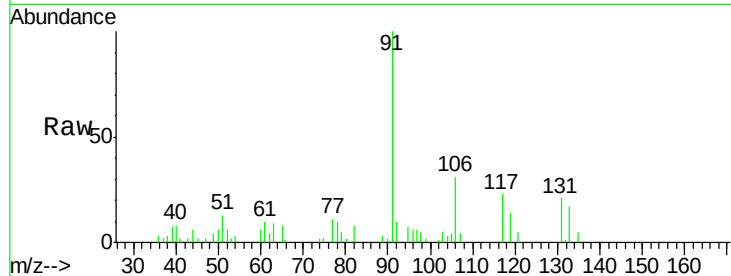
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.9	47.8	143.3
119	0.0	33.6	100.6#

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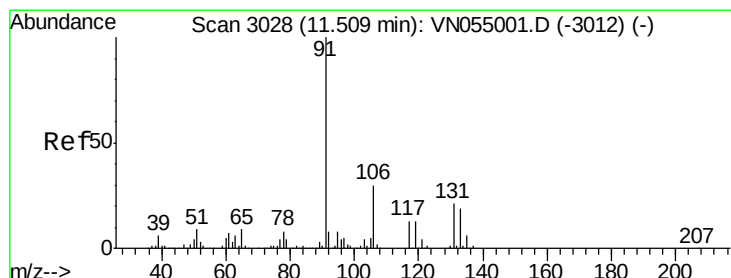
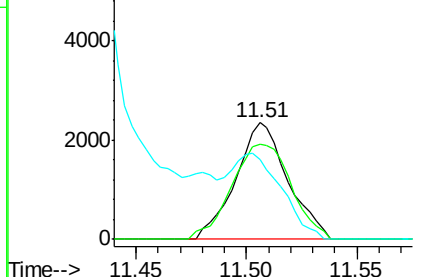
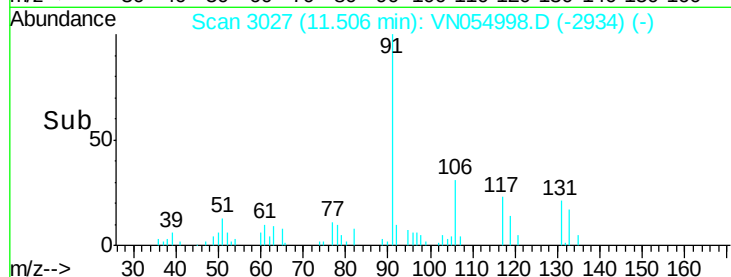
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.976 ug/l

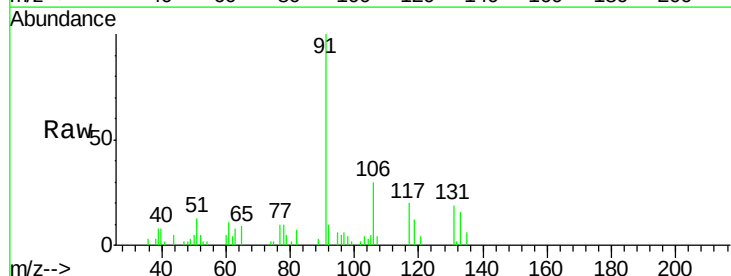
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054998.D

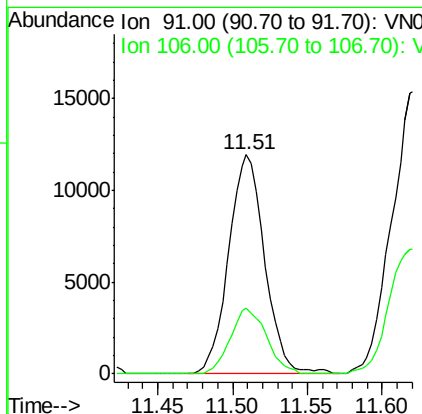
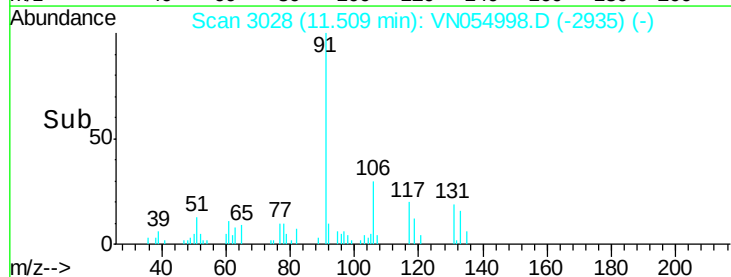
Acq: 12 Apr 2019 14:39

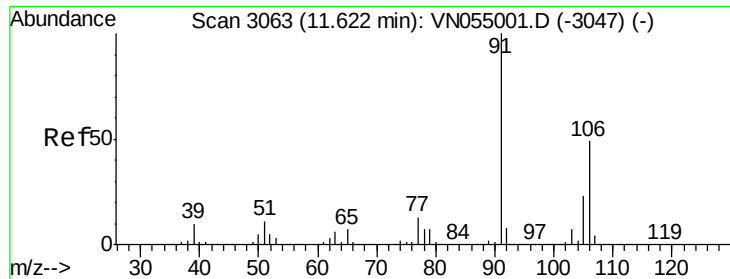
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.852 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 13935

Ion Ratio Lower Upper

106 100

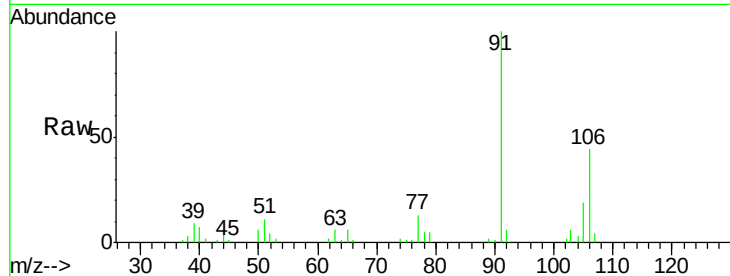
91 208.2 165.9 248.9

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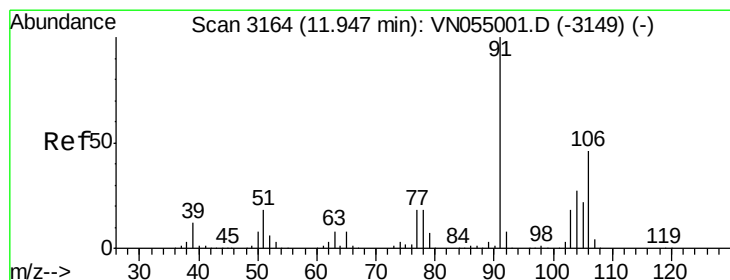
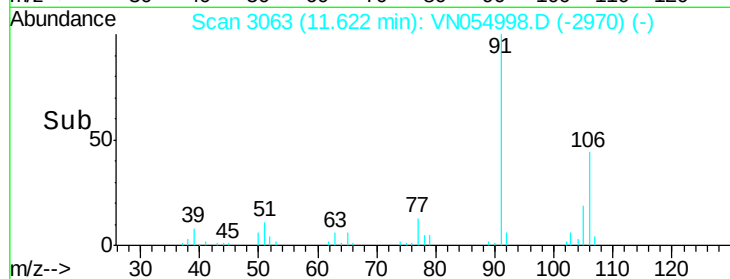
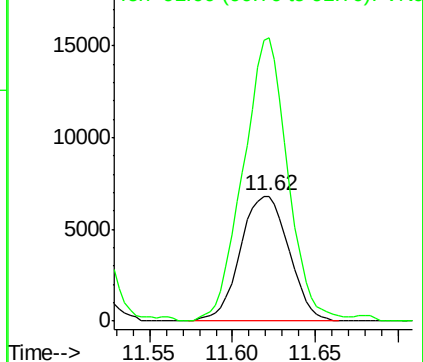
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.043 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN054998.D

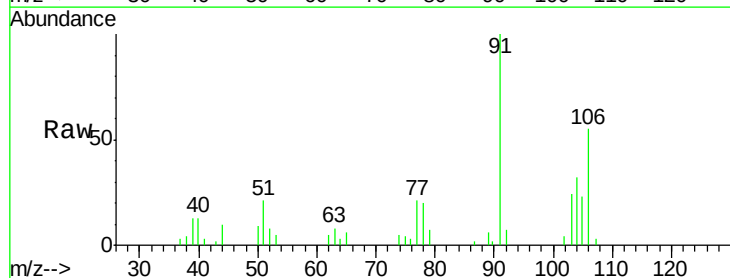
Acq: 12 Apr 2019 14:39

Tgt Ion:106 Resp: 7639

Ion Ratio Lower Upper

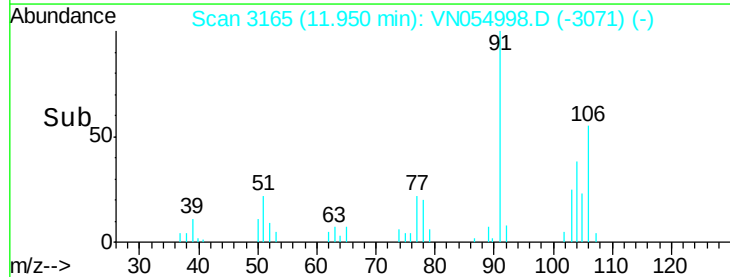
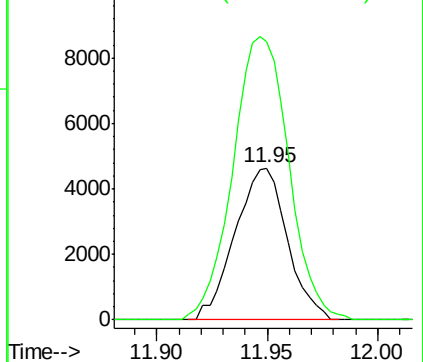
106 100

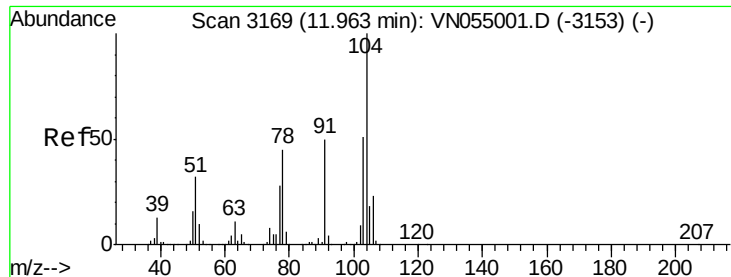
91 199.6 109.9 329.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.820 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

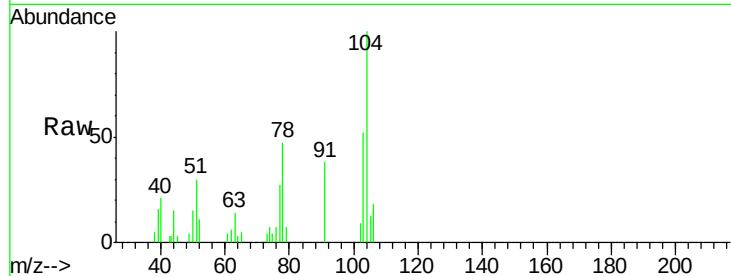
ClientSampleId :

VSTDIC001

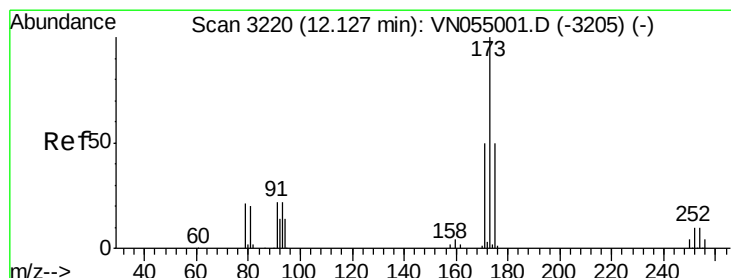
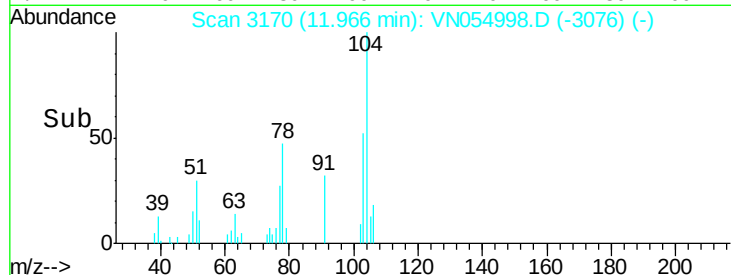
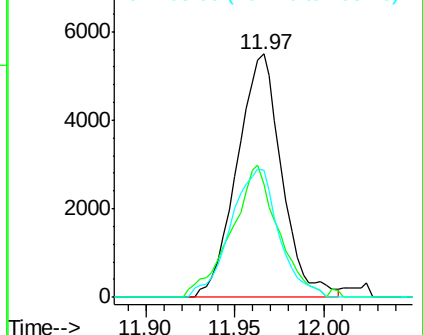
Tot Ion:	104	Resp:	9648
Ion Ratio	Lower	Upper	
104	100		
78	56.7	40.3	60.5
103	57.0	44.3	66.5

Manual Integrations
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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: 0.733 ug/l

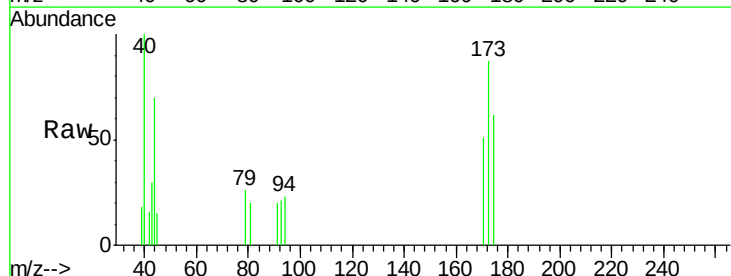
RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

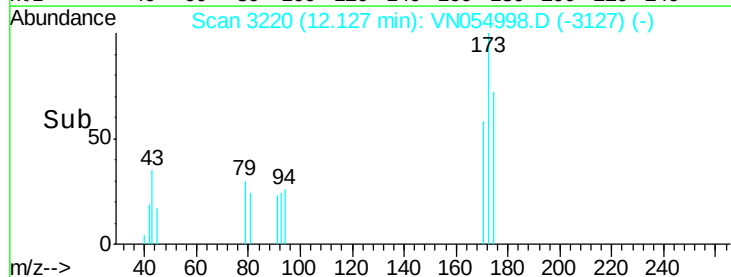
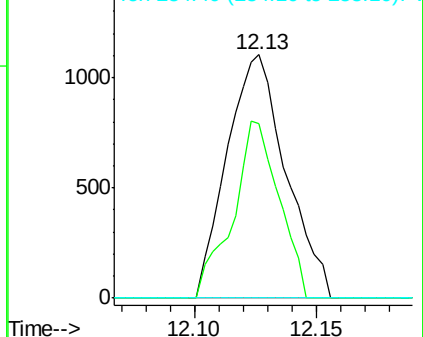
Lab File: VN054998.D

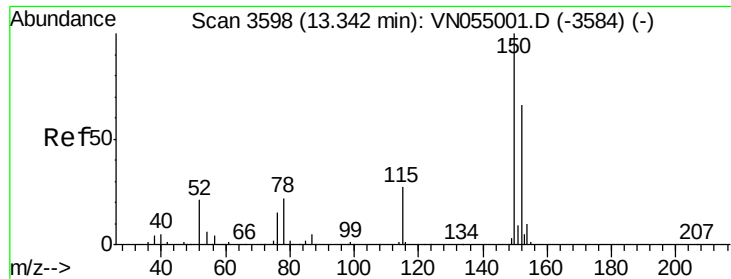
Acq: 12 Apr 2019 14:39

Tgt Ion:	173	Resp:	1854
Ion Ratio	Lower	Upper	
173	100		
175	56.6	24.3	73.0
254	0.0	0.1	0.1#



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: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

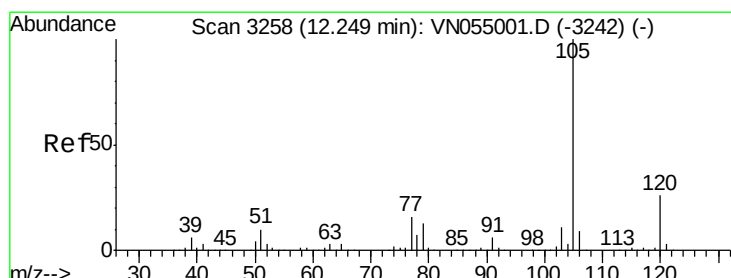
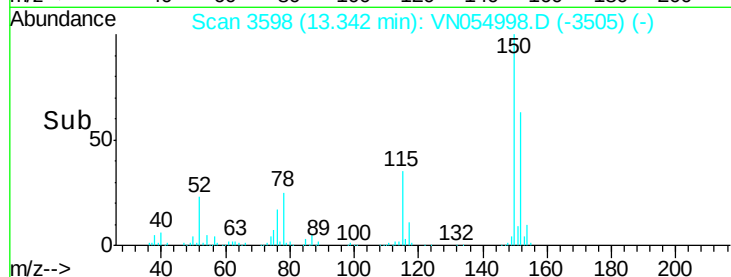
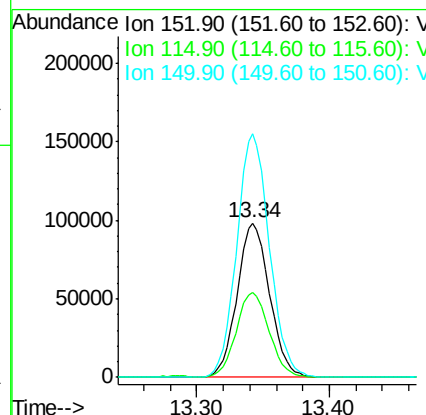
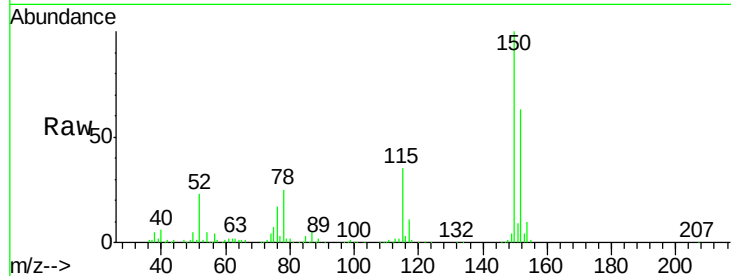
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	167002
Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.5	85.6
150	158.2	0.0	347.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.290 ug/l

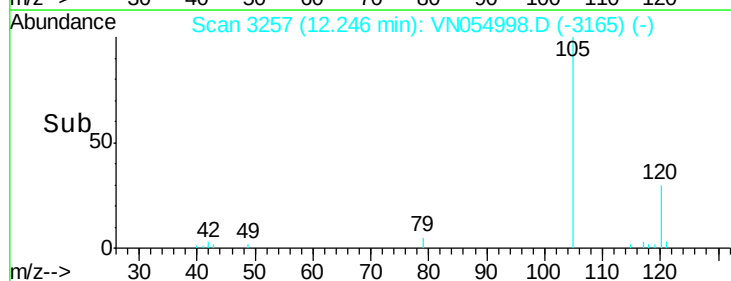
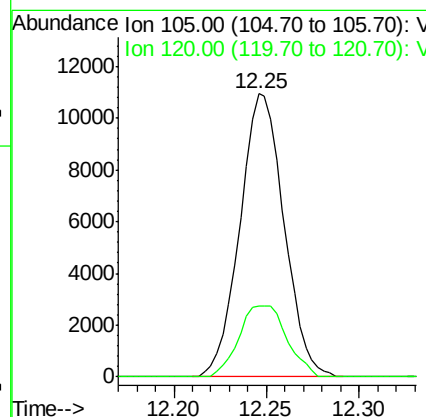
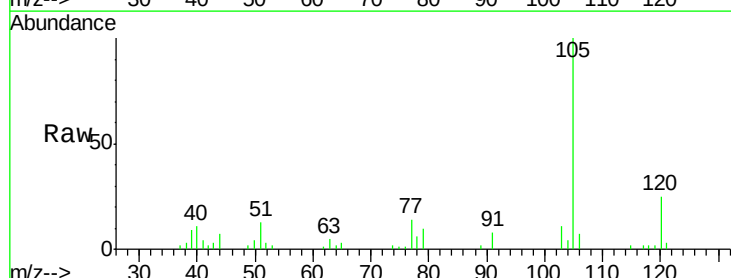
RT: 12.25 min Scan# 3257

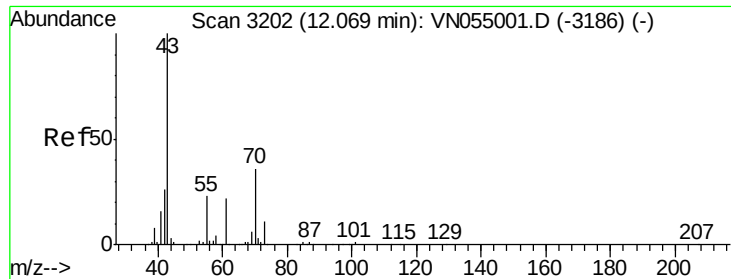
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	105	Resp:	18076
Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.9





#74

N-amvl acetate

Concen: 1.220 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

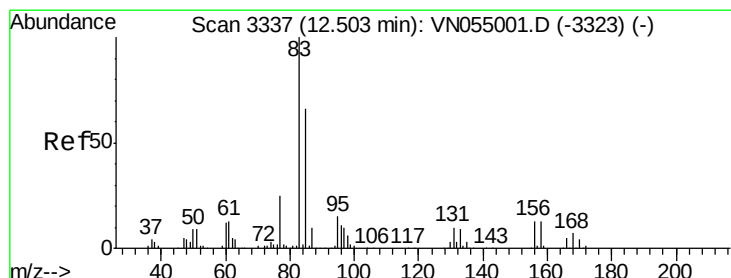
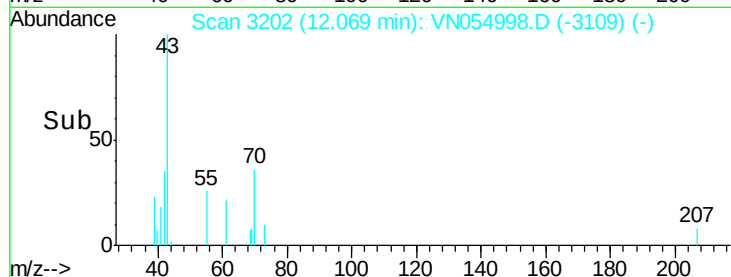
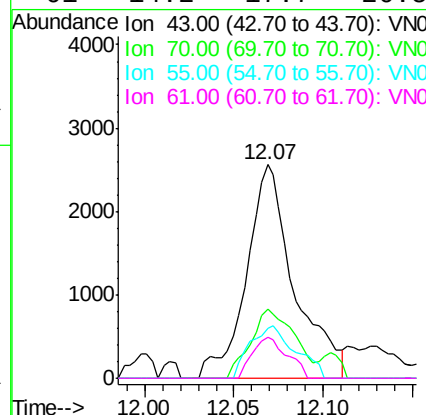
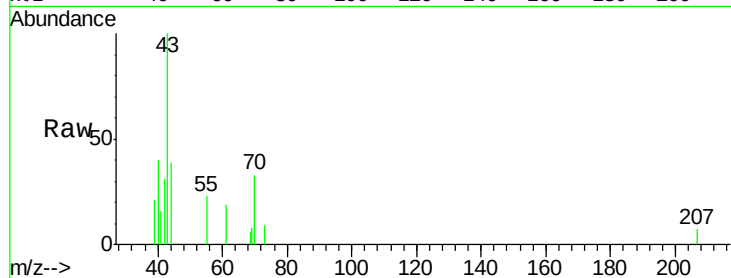
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	29.7	29.4	44.0
55	23.3	19.0	28.4
61	14.2	17.7	26.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.337 ug/l

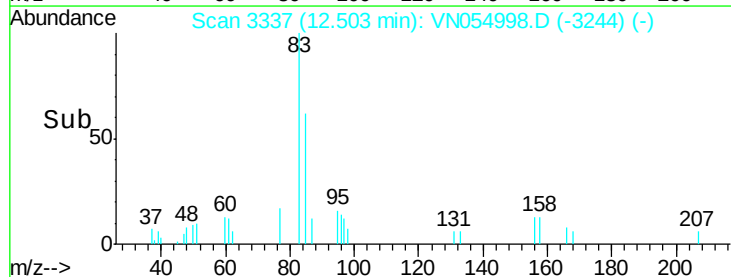
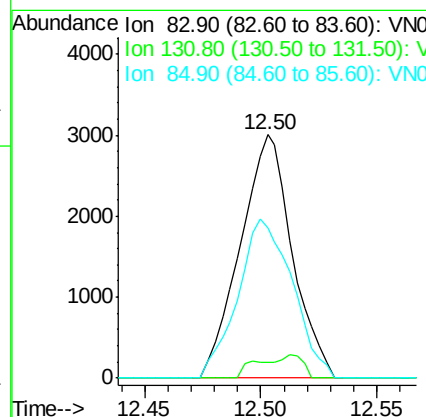
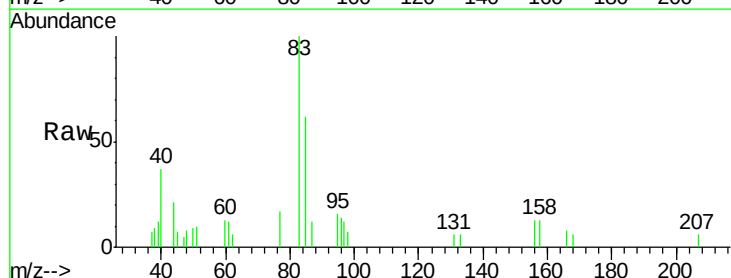
RT: 12.50 min Scan# 3337

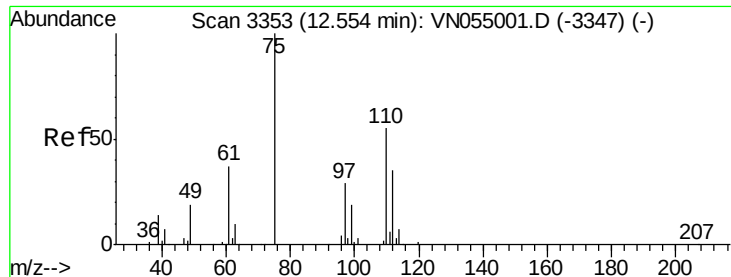
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
131	3.2	5.0	15.0
85	68.8	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.204 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 3630

Ion Ratio Lower Upper

75 100

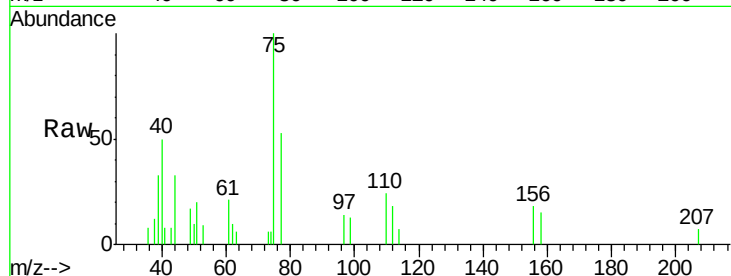
77 0.0 0.0 0.0

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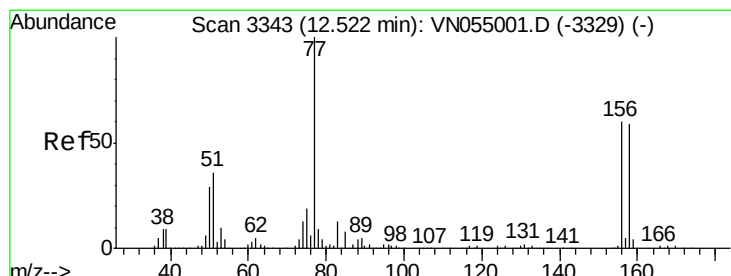
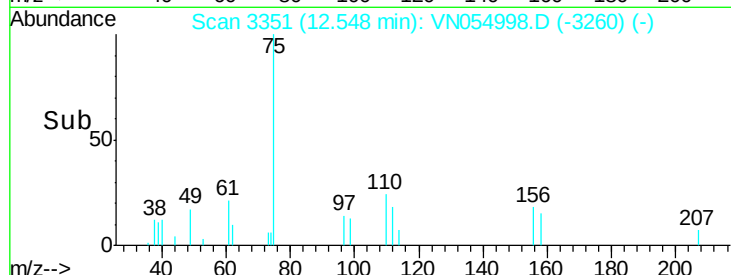
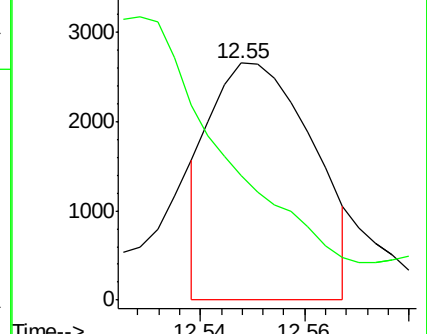
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Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3347) (-)



#77

Bromobenzene

Concen: 1.331 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

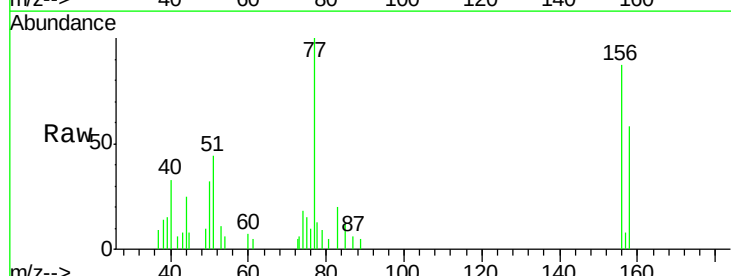
Tgt Ion: 156 Resp: 4522

Ion Ratio Lower Upper

156 100

77 167.0 97.2 291.5

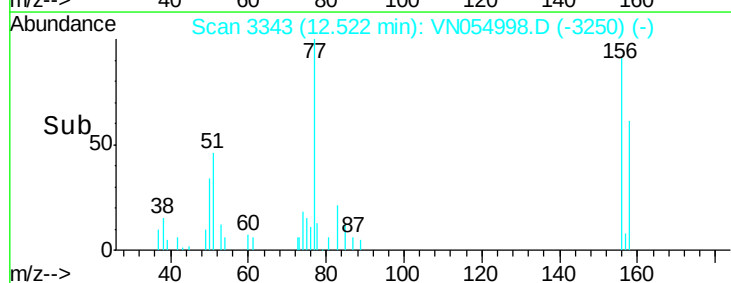
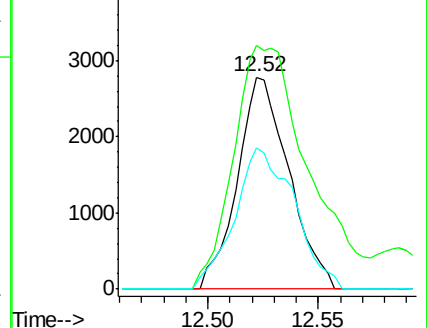
158 77.4 48.6 145.9

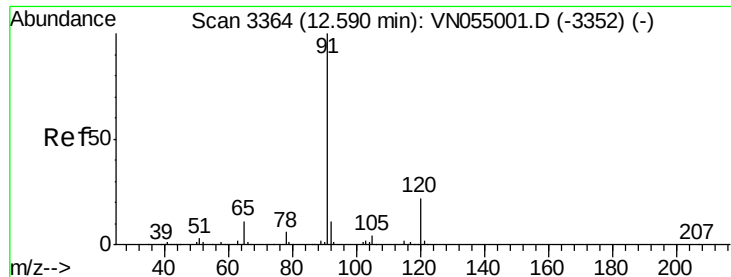


Abundance Ion 155.80 (155.50 to 156.50): VN055001.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055001.D (-3329) (-)





#78

n-propylbenzene

Concen: 1.172 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 18096

Ion Ratio Lower Upper

91 100

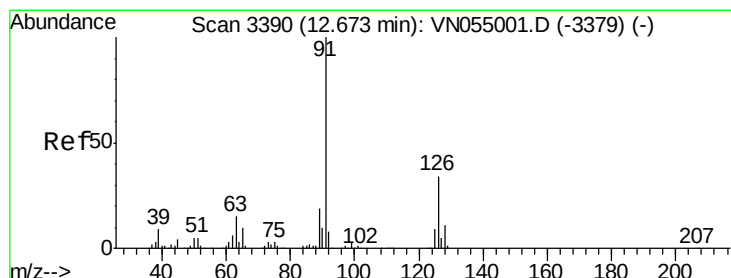
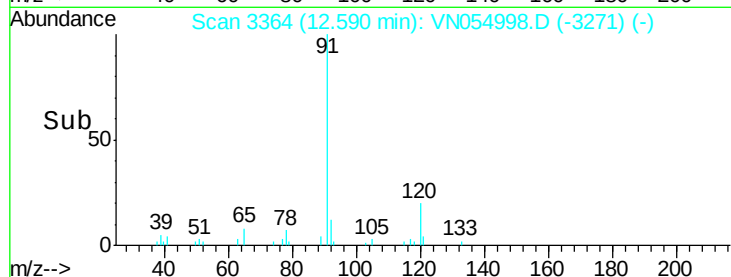
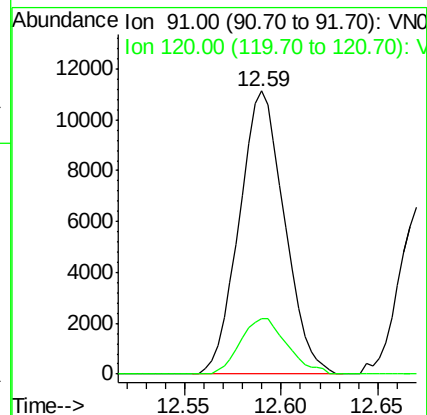
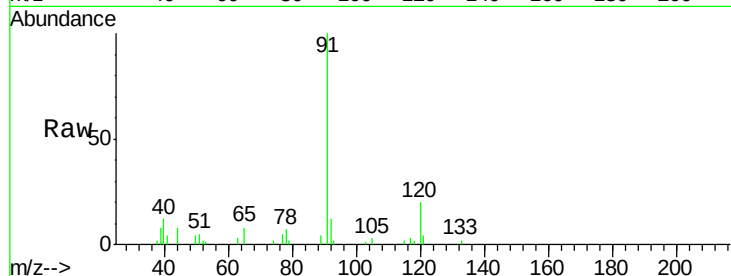
120 20.1 11.2 33.5

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#79

2-Chlorotoluene

Concen: 1.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054998.D

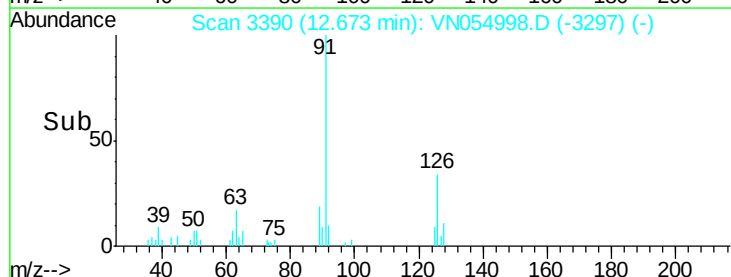
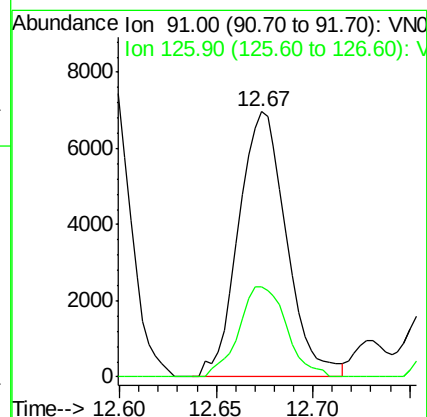
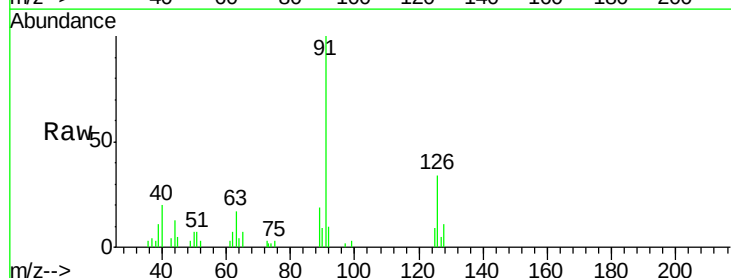
Acq: 12 Apr 2019 14:39

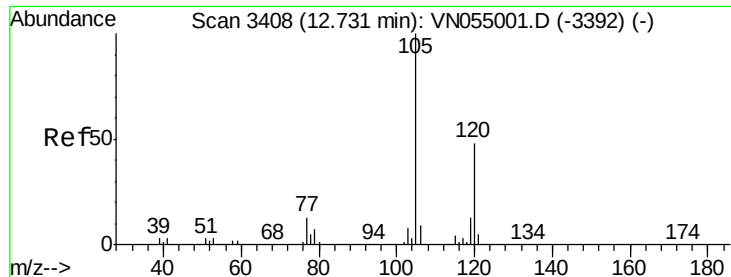
Tgt Ion: 91 Resp: 12005

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2





#80

1,3,5-Trimethylbenzene

Concen: 1.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13708

Ion Ratio Lower Upper

105 100

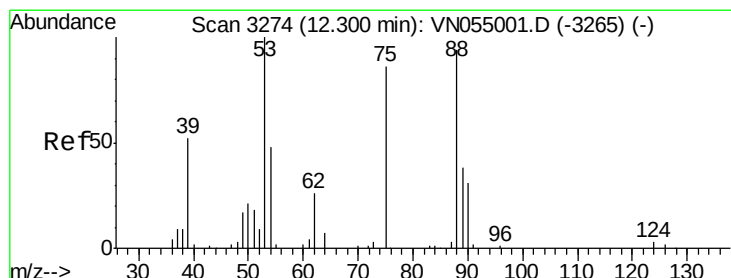
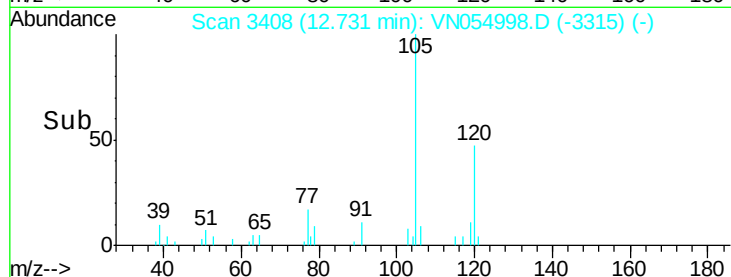
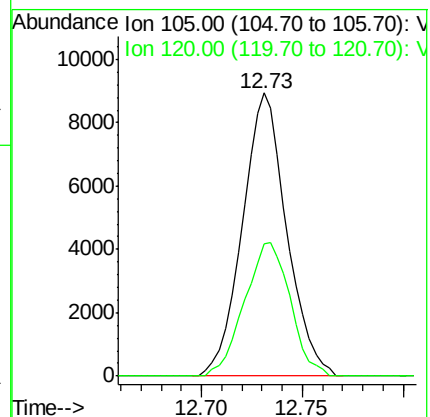
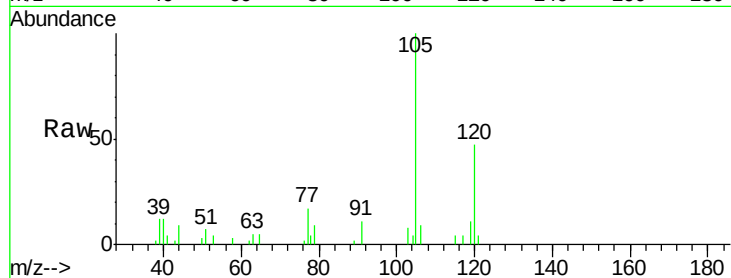
120 48.5 24.3 72.8

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 1.044 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

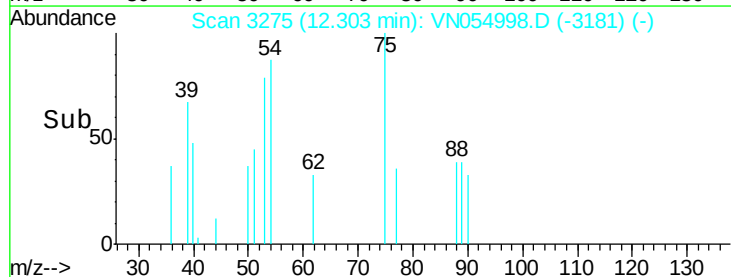
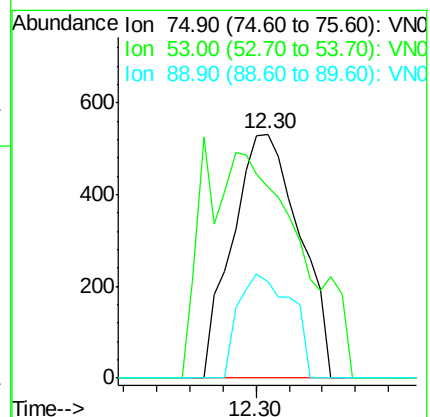
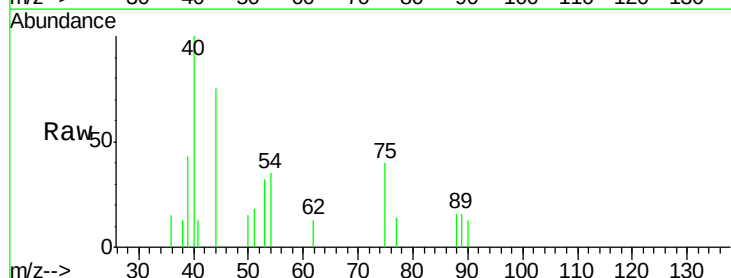
Tgt Ion: 75 Resp: 751

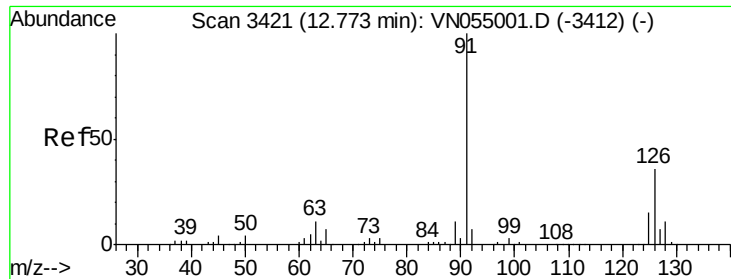
Ion Ratio Lower Upper

75 100

53 133.0 96.3 144.5

89 33.3 38.6 57.8#





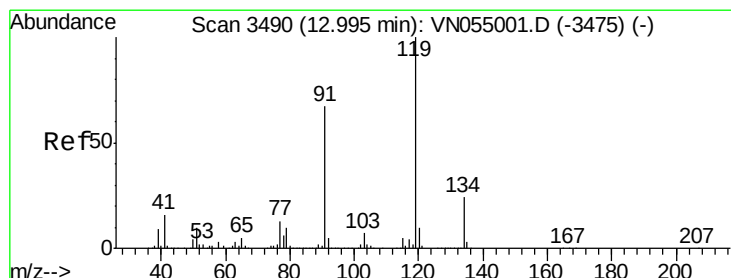
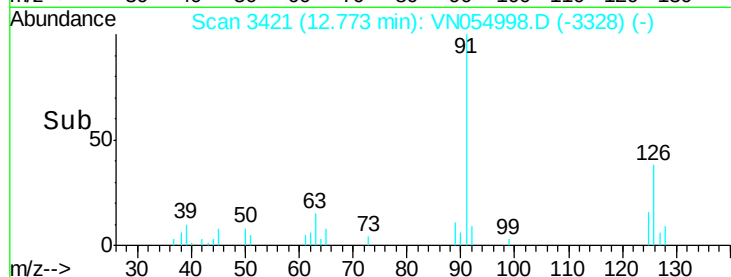
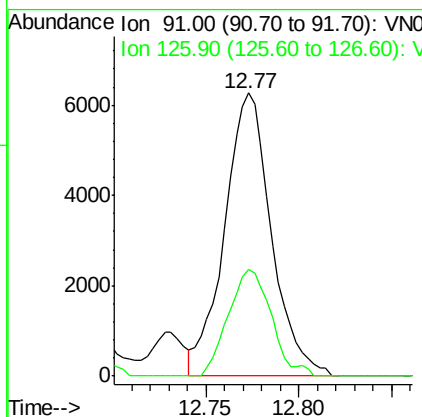
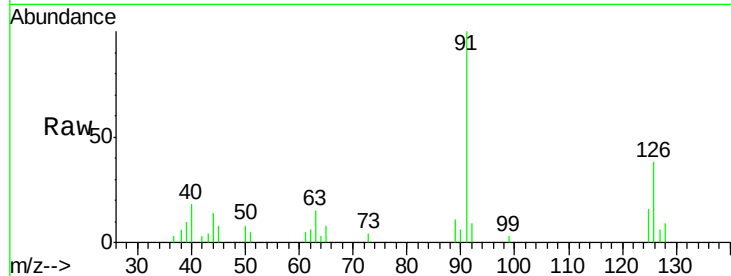
#82
4-Chlorotoluene
Concen: 1.212 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 10974
Ion Ratio Lower Upper
91 100
126 34.5 16.4 49.2

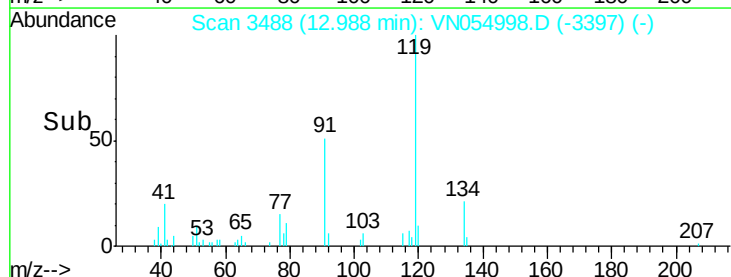
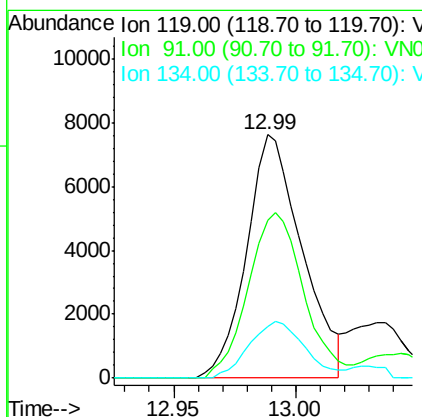
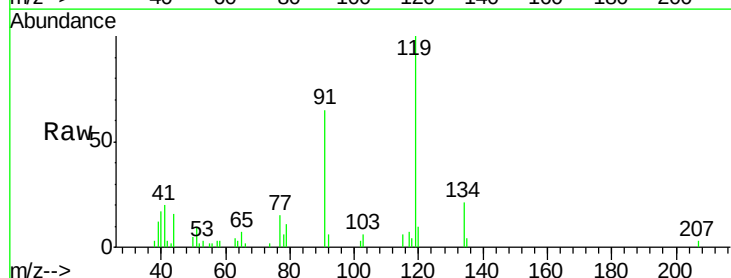
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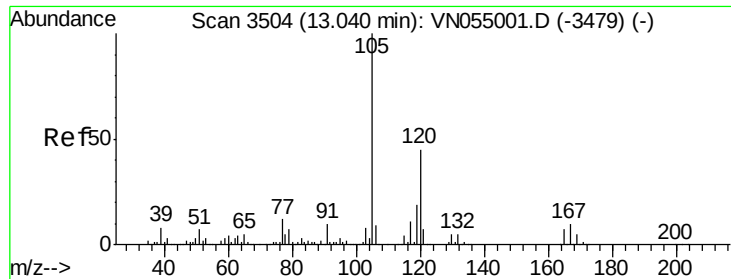
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#83
tert-Butylbenzene
Concen: 1.224 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.01 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion: 119 Resp: 12009
Ion Ratio Lower Upper
119 100
91 68.7 33.3 99.8
134 23.2 12.3 36.9





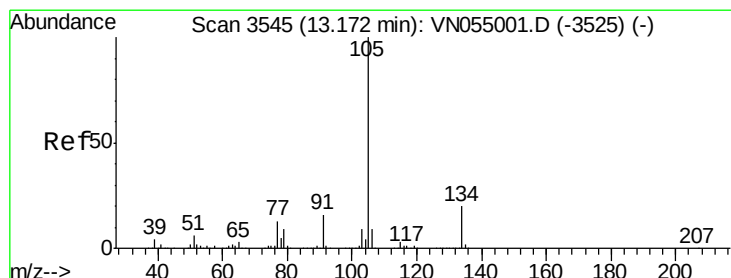
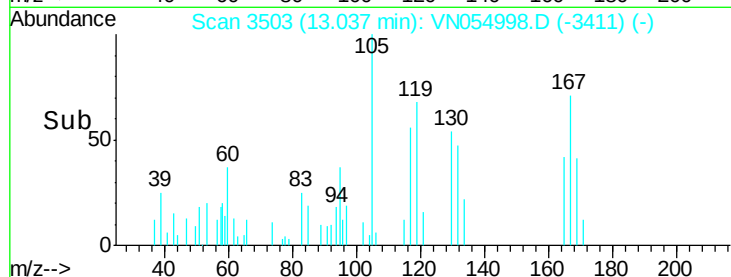
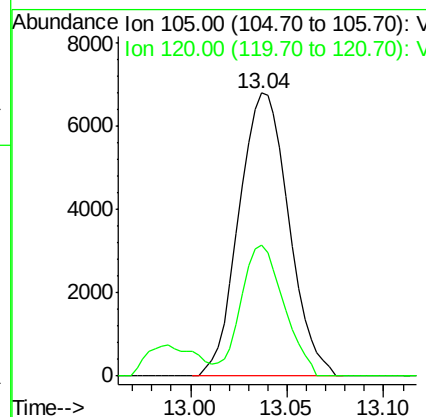
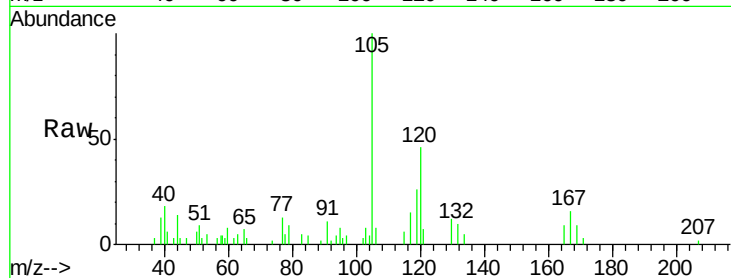
#84
 1,2,4-Trimethylbenzene
 Concen: 1.094 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.2	22.4	67.3

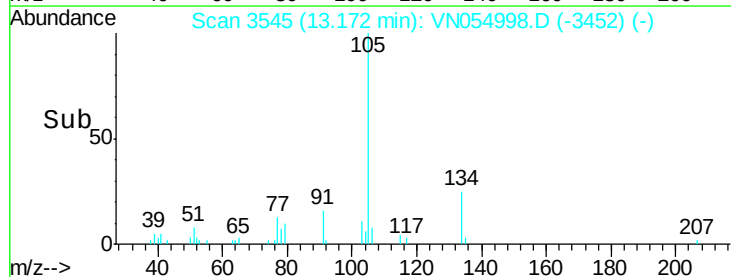
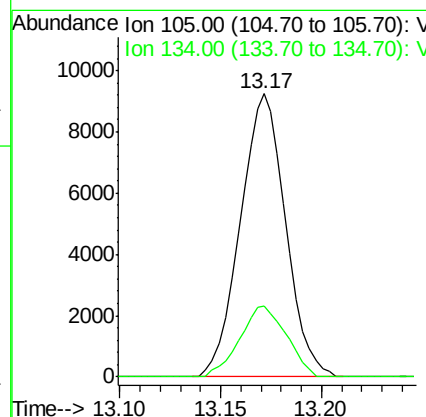
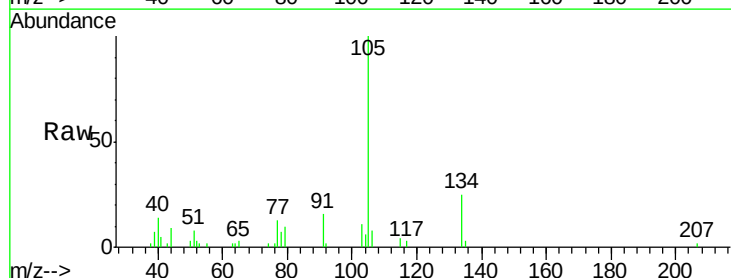
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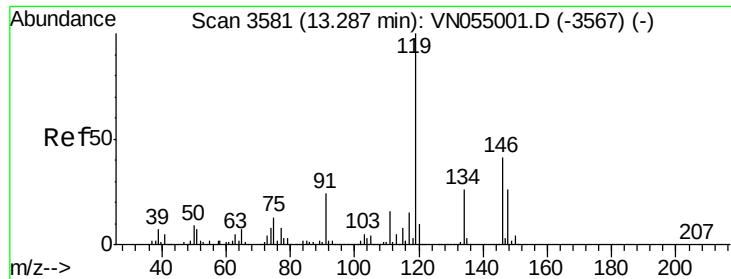
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#85
 sec-Butylbenzene
 Concen: 1.141 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	25.7	9.8	29.3





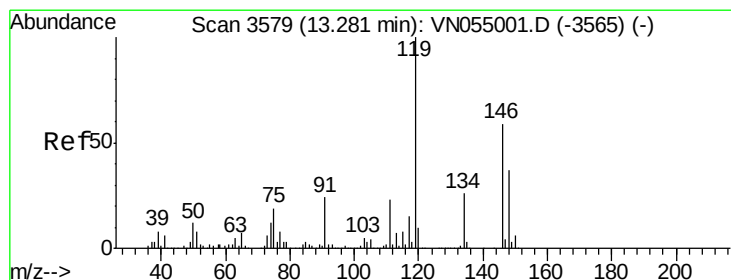
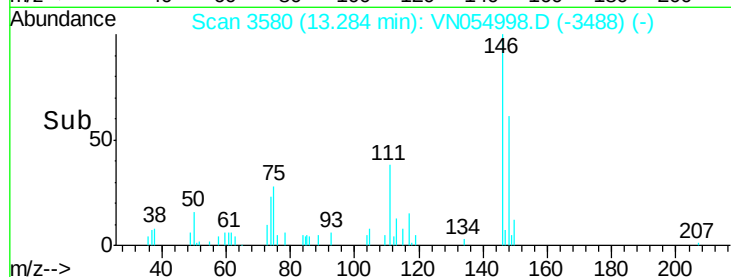
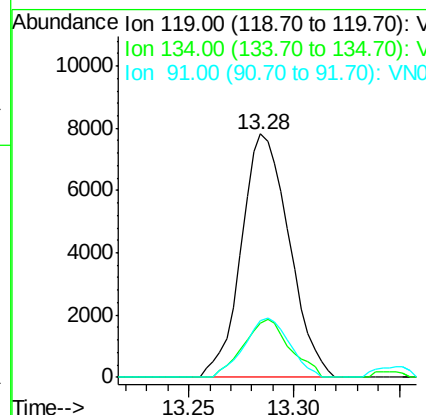
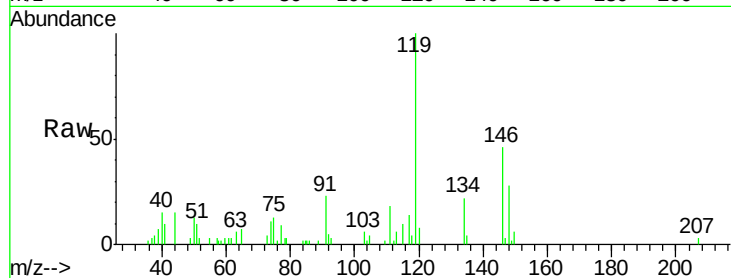
#86
 p-Isopropyltoluene
 Concen: 1.126 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.1	13.2	39.5
91	23.0	11.7	35.1

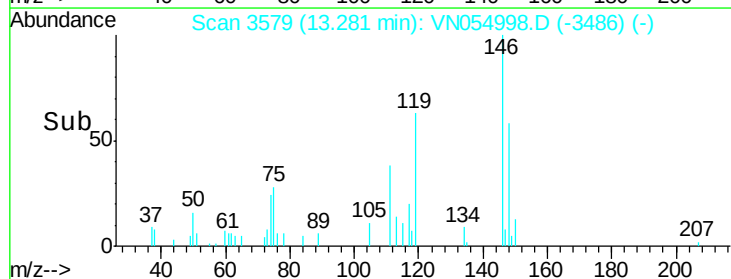
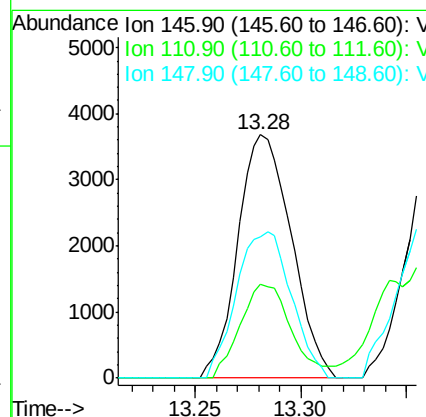
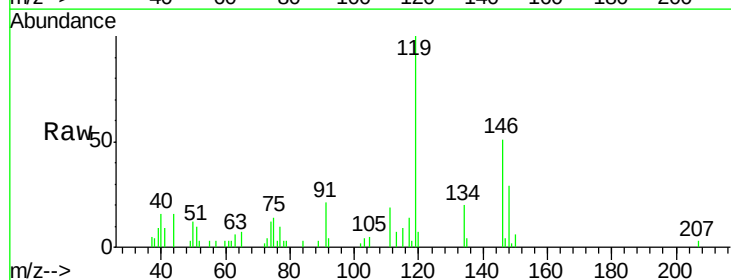
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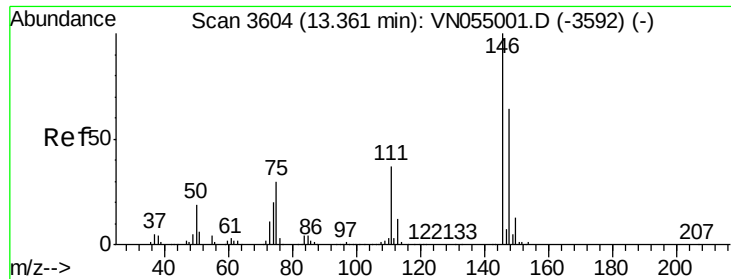
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#87
 1,3-Dichlorobenzene
 Concen: 1.149 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.5	58.5
148	61.7	31.6	94.7





#88

1,4-Dichlorobenzene

Concen: 1.135 ug/l m

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

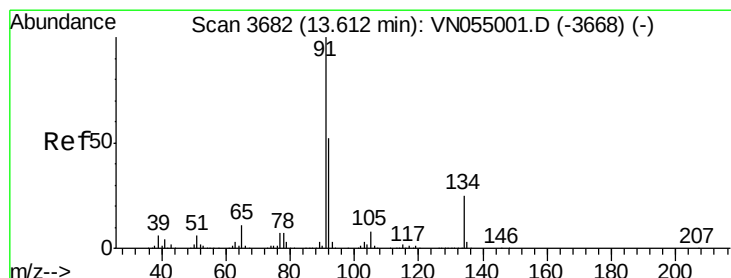
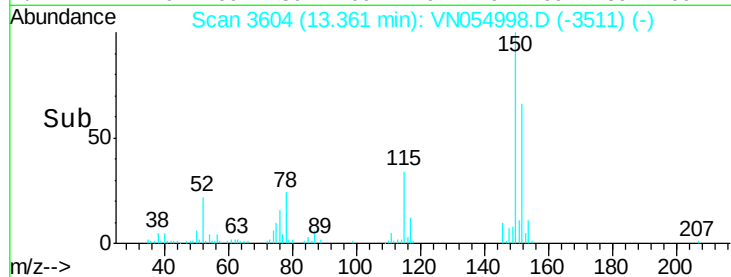
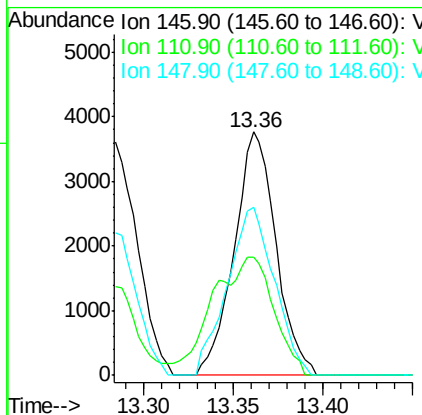
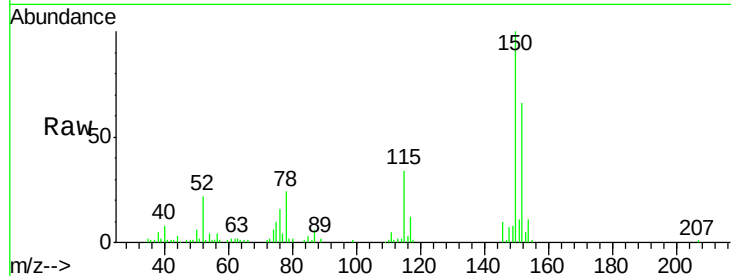
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	6092
Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.4
148	65.6	32.4	97.2

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#89

n-Butylbenzene

Concen: 1.076 ug/l

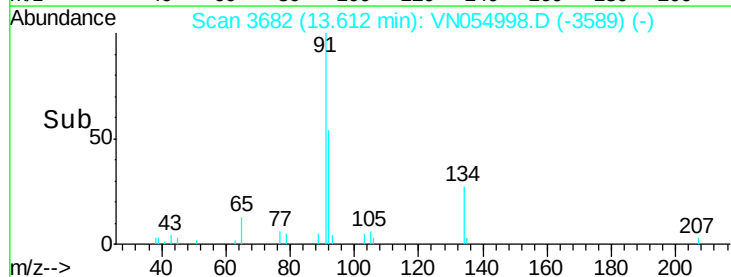
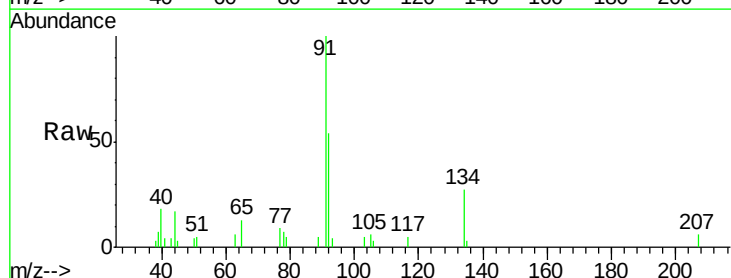
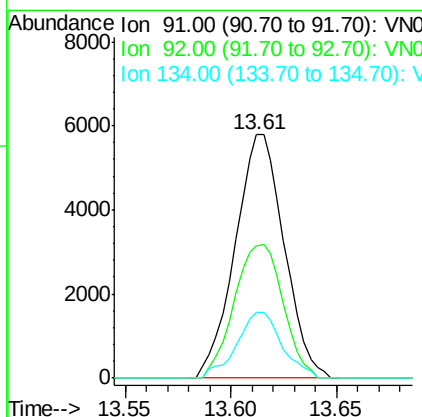
RT: 13.61 min Scan# 3682

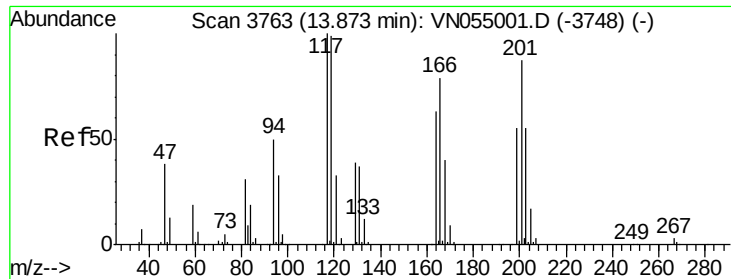
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	91	Resp:	9325
Ion	Ratio	Lower	Upper
91	100		
92	54.5	25.9	77.7
134	24.8	12.8	38.3





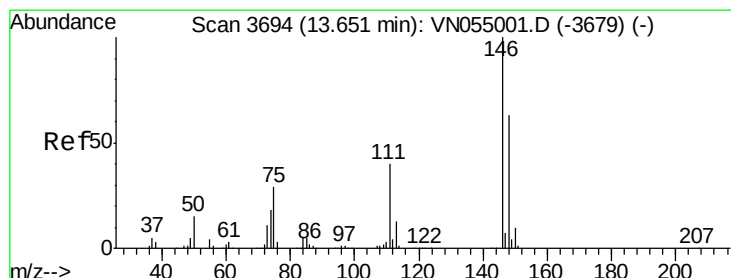
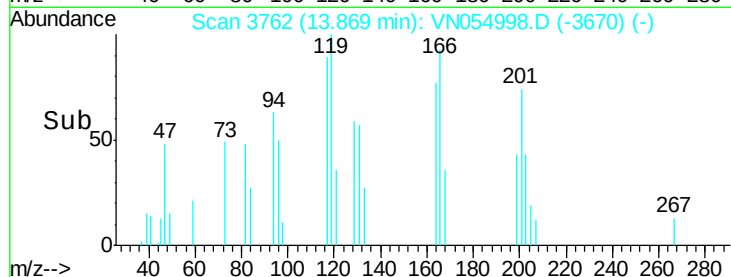
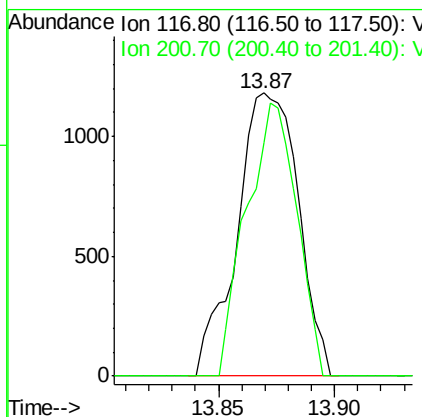
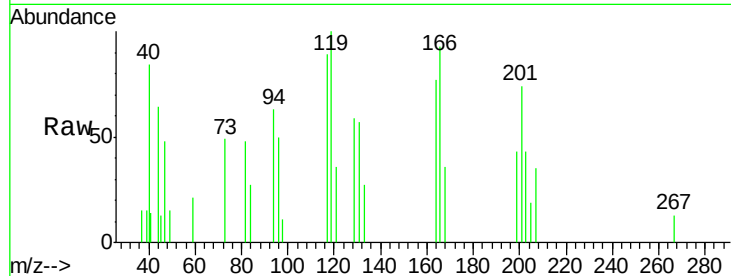
#90
Hexachloroethane
Concen: 1.195 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 2171
Ion Ratio Lower Upper
117 100
201 79.4 43.4 130.2

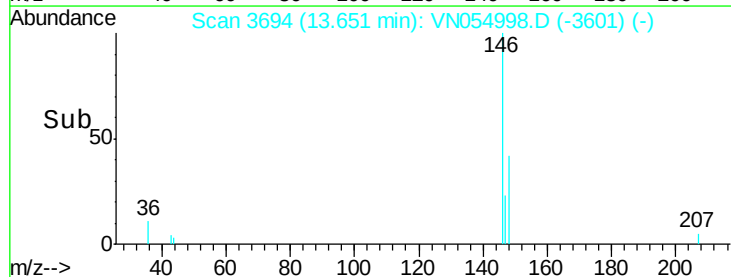
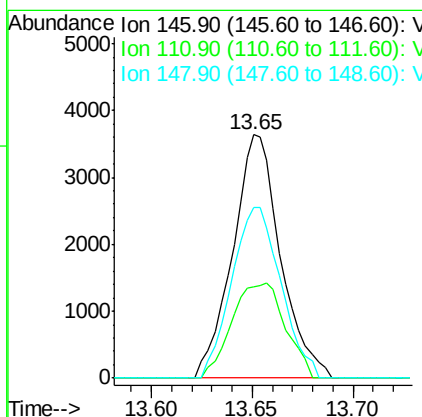
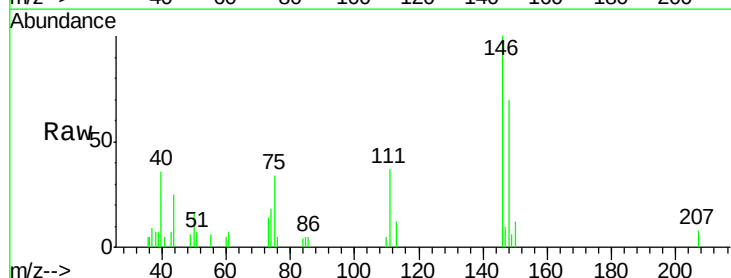
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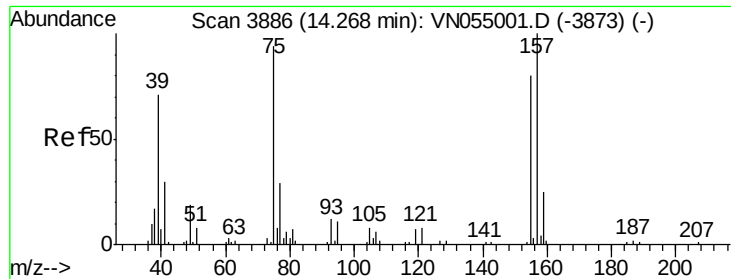
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#91
1,2-Dichlorobenzene
Concen: 1.087 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN054998.D
Acq: 12 Apr 2019 14:39

Tgt Ion:146 Resp: 6031
Ion Ratio Lower Upper
146 100
111 43.6 20.3 60.9
148 72.3 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.979 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

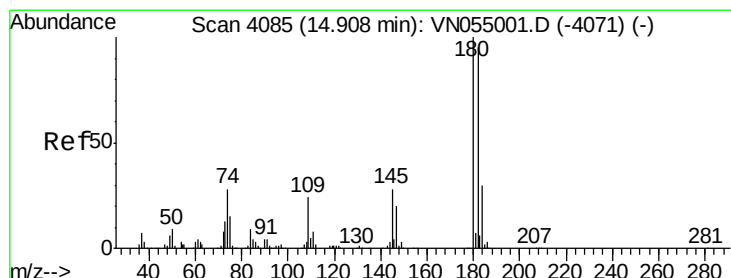
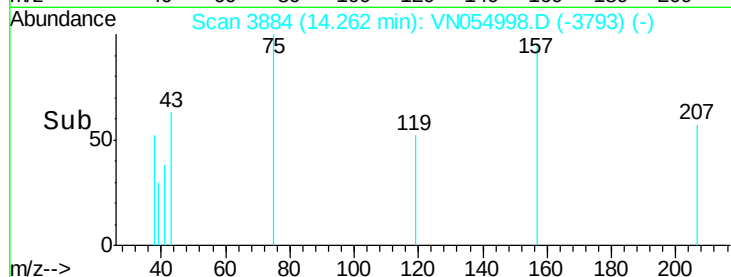
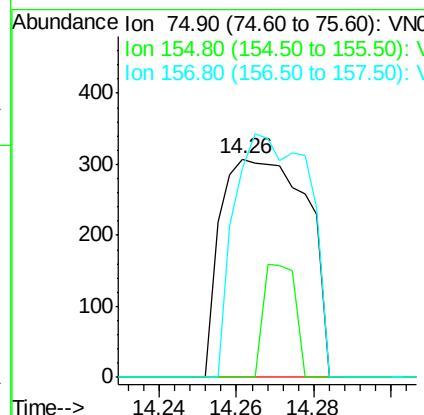
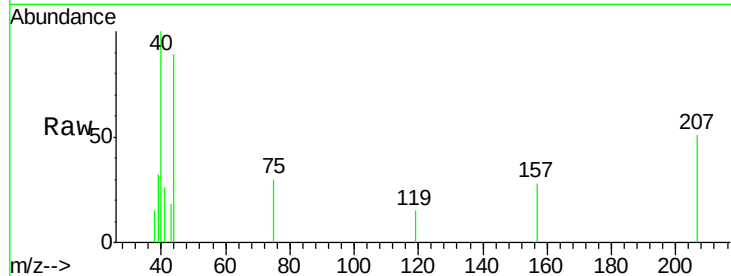
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	476
Ion	Ratio	Lower	Upper
75	100		
155	18.9	42.0	126.0#
157	95.6	52.1	156.4

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#93

1,2,4-Trichlorobenzene

Concen: 0.747 ug/l

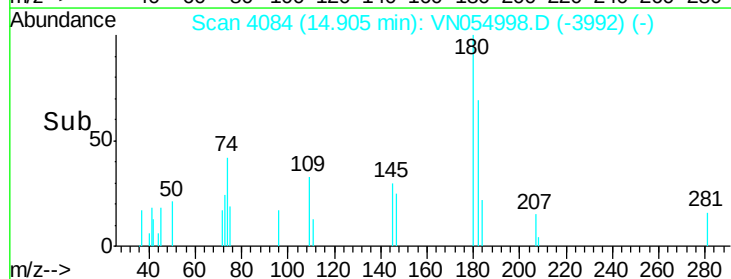
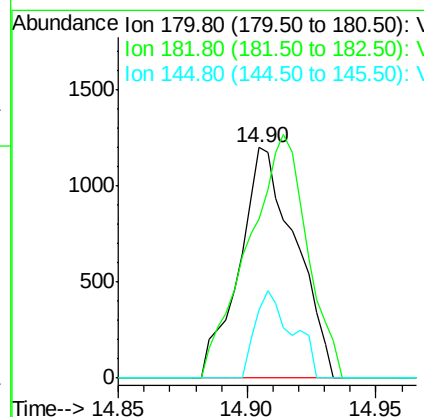
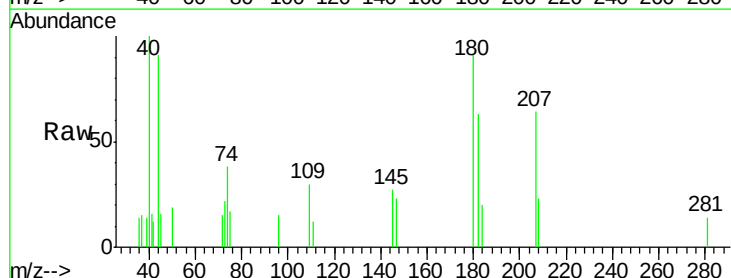
RT: 14.90 min Scan# 4084

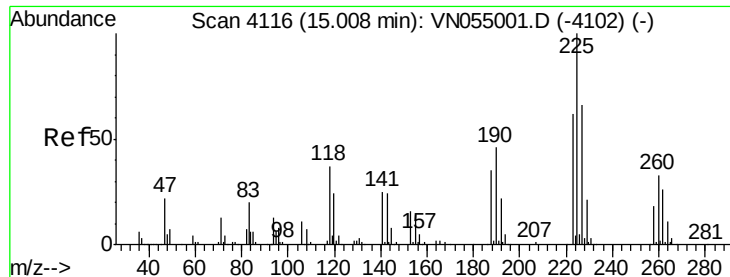
Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Tgt Ion:	180	Resp:	1823
Ion	Ratio	Lower	Upper
180	100		
182	110.9	47.5	142.6
145	25.0	14.2	42.8





#94

Hexachlorobutadiene

Concen: 1.437 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054998.D

Acq: 12 Apr 2019 14:39

Instrument :

MSVOA_N

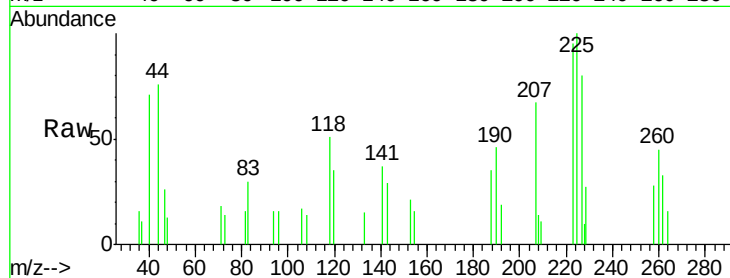
ClientSampleId :

VSTDIC001

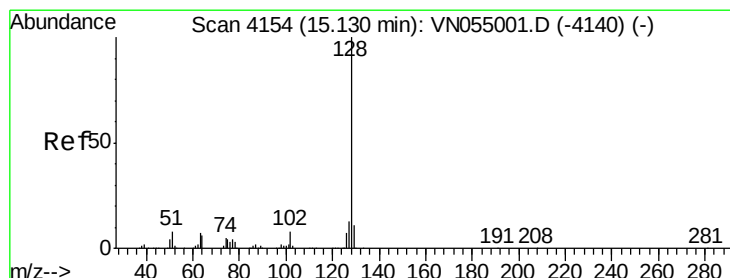
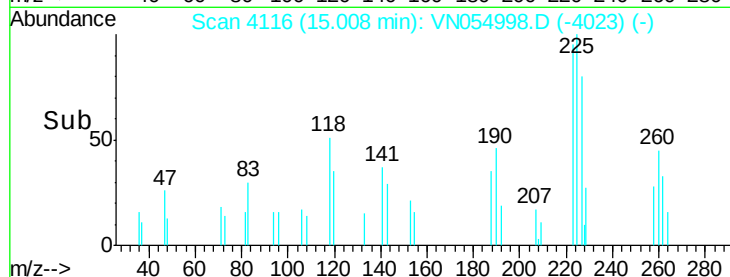
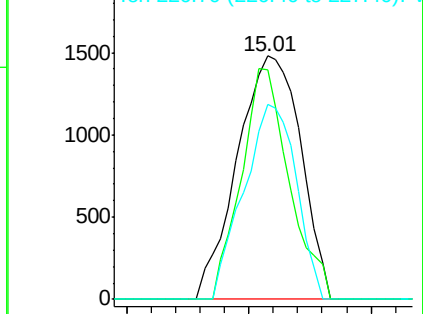
Tot Ion:	225	Resp:	2671
Ion Ratio	Lower	Upper	
225	100		
223	71.5	31.4	94.0
227	66.2	32.6	97.7

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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: 0.930 ug/l

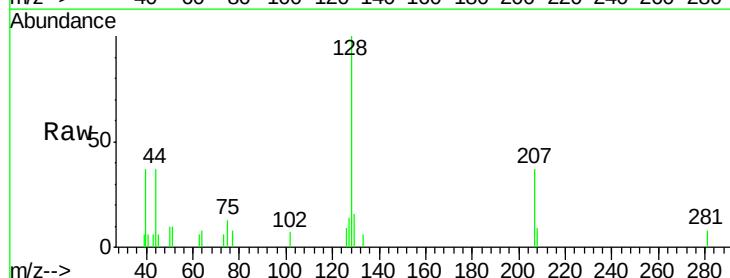
RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

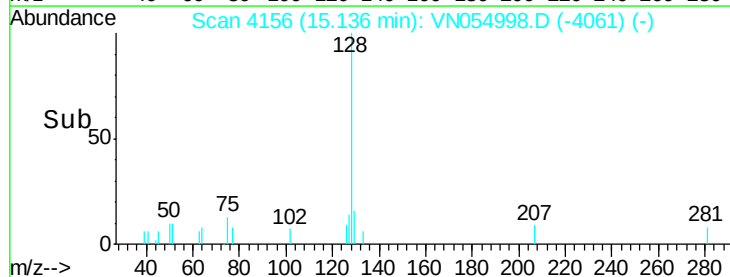
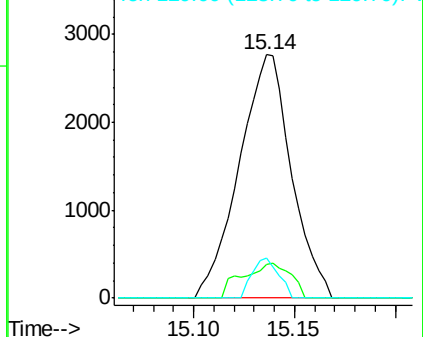
Lab File: VN054998.D

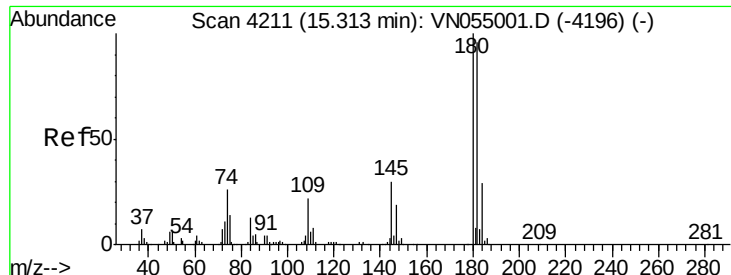
Acq: 12 Apr 2019 14:39

Tgt Ion:	128	Resp:	5007
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	8.3	8.8	13.2#



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.957 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN054998.D
 Acq: 12 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.8	48.0	144.0
145	35.9	15.3	45.9

Manual Integrations
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