

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055169.D
 Acq On : 22 Apr 2019 9:22
 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
 4/23/2019 1:46:20 PM

Quant Time: Apr 23 05:07:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	428921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	689081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	567665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149551	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	3643	0.660	ug/l	93
3) Chloromethane	2.06	50	5279	0.780	ug/l	90
4) Vinyl Chloride	2.19	62	3713	0.685	ug/l	96
5) Bromomethane	2.56	94	2436	0.775	ug/l	94
6) Chloroethane	2.71	64	2396	0.817	ug/l	93
7) Trichlorofluoromethane	3.02	101	5905	0.800	ug/l #	81
8) Diethyl Ether	3.42	74	1985	0.754	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3409	0.740	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	3620	0.820	ug/l #	71
14) Allyl chloride	4.32	41	5026	0.576	ug/l #	73
15) Acrylonitrile	5.01	53	6046m	3.253	ug/l	
16) Acetone	3.82	43	6866	3.578	ug/l	93
17) Carbon Disulfide	4.06	76	8879	0.720	ug/l #	94
18) Methyl Acetate	4.34	43	6280	1.186	ug/l #	64
19) Methyl tert-butyl Ether	5.06	73	8383	0.687	ug/l	99
20) Methylene Chloride	4.55	84	4785	0.867	ug/l #	90
21) trans-1,2-Dichloroethene	5.06	96	3463	0.748	ug/l #	49
22) Diisopropyl ether	5.96	45	12667	0.728	ug/l	99
23) Vinyl Acetate	5.90	43	34524	2.954	ug/l	98
24) 1,1-Dichloroethane	5.86	63	6815	0.729	ug/l #	92
25) 2-Butanone	6.85	43	7916	3.195	ug/l	96
26) 2,2-Dichloropropane	6.83	77	4689	0.741	ug/l #	74
27) cis-1,2-Dichloroethene	6.83	96	3787	0.710	ug/l	97
28) Bromochloromethane	7.20	49	4653	0.976	ug/l #	96
29) Tetrahydrofuran	7.22	42	5316	3.414	ug/l #	48
30) Chloroform	7.38	83	7003	0.787	ug/l	94
31) Cyclohexane	7.66	56	14612	1.361	ug/l #	27
32) 1,1,1-Trichloroethane	7.56	97	5402	0.756	ug/l #	44
36) 1,1-Dichloropropene	7.79	75	4535	0.709	ug/l	98
37) Ethyl Acetate	6.93	43	4487m	0.840	ug/l	
38) Carbon Tetrachloride	7.77	117	5690	0.890	ug/l #	90
39) Methylcyclohexane	9.08	83	4846	0.635	ug/l	91
40) Benzene	8.04	78	14682	0.744	ug/l	96
41) Methacrylonitrile	7.17	41	2120m	0.805	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	5040	0.732	ug/l	95
43) Isopropyl Acetate	8.17	43	5520	0.660	ug/l #	83
44) Trichloroethene	8.83	130	3666	0.735	ug/l	84
45) 1,2-Dichloropropane	9.11	63	3700	0.664	ug/l	91
46) Dibromomethane	9.21	93	2214	0.694	ug/l	98
47) Bromodichloromethane	9.40	83	4811	0.753	ug/l #	89
48) Methyl methacrylate	9.20	41	2432	0.600	ug/l #	74
49) 1,4-Dioxane	9.20	88	749	15.997	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	16191	3.366	ug/l	95
52) Toluene	10.16	92	7907	0.683	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	3554	0.606	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	4363	0.600	ug/l #	81
55) 1,1,2-Trichloroethane	10.56	97	3182	0.746	ug/l #	91
56) Ethyl methacrylate	10.43	69	2941	0.553	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	5483	0.739	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	6159	3.594	ug/l	99
59) 2-Hexanone	10.75	43	8058	2.652	ug/l	90
60) Dibromochloromethane	10.90	129	3125	0.711	ug/l	98
61) 1,2-Dibromoethane	11.00	107	2366	0.590	ug/l	95
64) Tetrachloroethene	10.63	164	3686	0.796	ug/l	96
65) Chlorobenzene	11.43	112	9043	0.780	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.50	131	3451	0.804	ug/l #	61
67) Ethyl Benzene	11.51	91	14941	0.724	ug/l	99
68) m/p-Xylenes	11.62	106	10208	1.379	ug/l	100
69) o-Xylene	11.95	106	4846	0.660	ug/l	96
70) Styrene	11.97	104	7166	0.629	ug/l	97
71) Bromoform	12.12	173	1826	0.713	ug/l #	86
73) Isopropylbenzene	12.25	105	13673	0.952	ug/l	96
74) N-amyl acetate	12.08	43	3744	0.971	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	3435	0.904	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	2948m	1.052	ug/l	
77) Bromobenzene	12.52	156	2726	0.826	ug/l	85
78) n-propylbenzene	12.59	91	12207	0.814	ug/l	96
79) 2-Chlorotoluene	12.67	91	8506	0.898	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	9221	0.824	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	477	0.596	ug/l #	56
82) 4-Chlorotoluene	12.77	91	6629	0.761	ug/l	95
83) tert-Butylbenzene	12.99	119	8432	0.842	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	8416	0.797	ug/l	99
85) sec-Butylbenzene	13.17	105	9918	0.783	ug/l	99
86) p-Isopropyltoluene	13.29	119	7844	0.752	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4198	0.828	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4167m	0.844	ug/l	
89) n-Butylbenzene	13.61	91	4602	0.595	ug/l	97
90) Hexachloroethane	13.87	117	1807	0.976	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3618	0.695	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	963	0.524	ug/l #	88
94) Hexachlorobutadiene	15.01	225	1730	0.929	ug/l	84
95) Naphthalene	15.13	128	2556	0.658	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	904	0.473	ug/l #	79

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MSVOA_N
ClientSampleId :
VSTDICC001

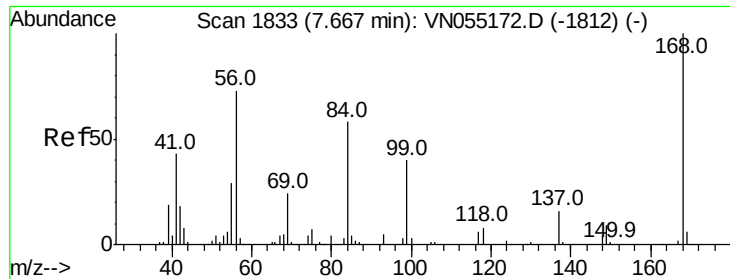
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 428921

Ion Ratio Lower Upper

168 100

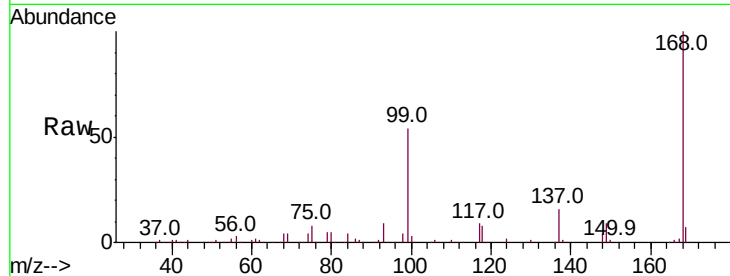
99 54.2 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VN

7.66

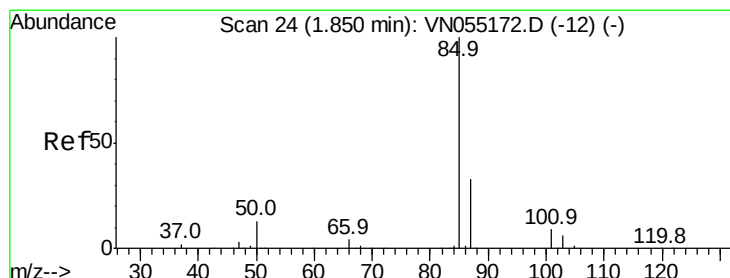
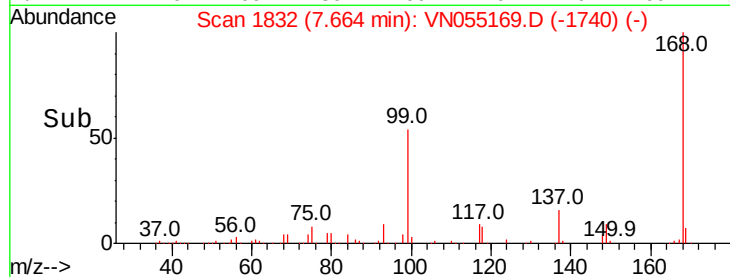
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.660 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055169.D

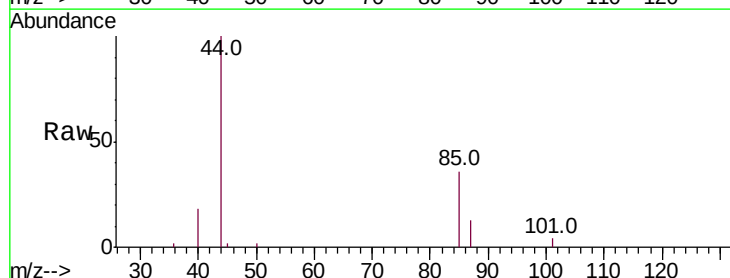
Acq: 22 Apr 2019 9:22

Tgt Ion: 85 Resp: 3643

Ion Ratio Lower Upper

85 100

87 36.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

3000

2500

2000

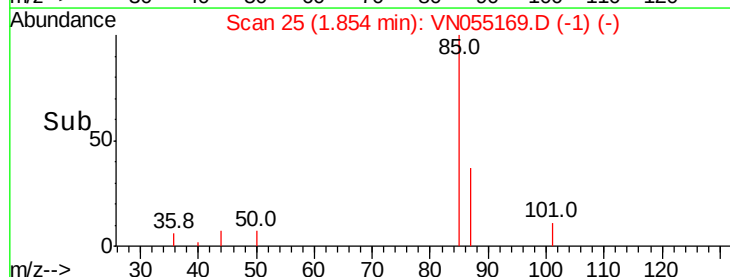
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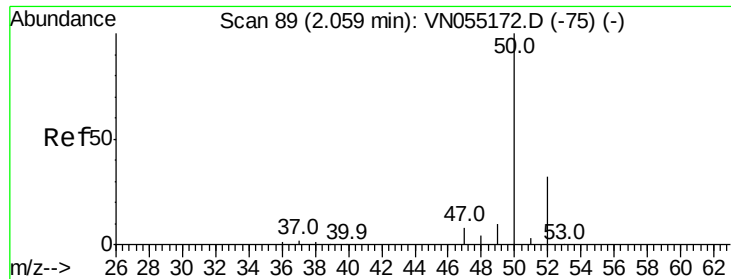
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Time-->





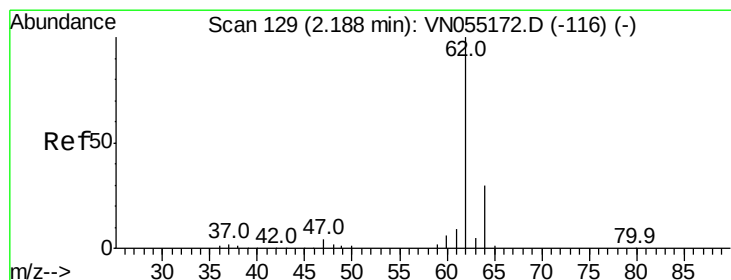
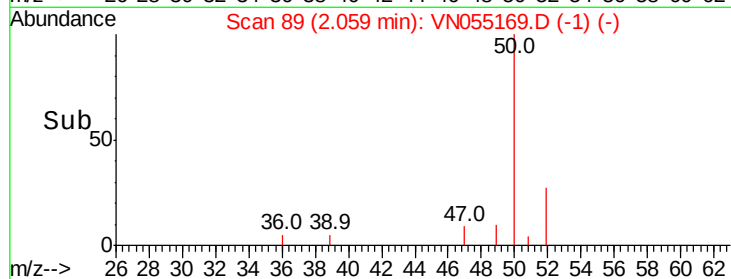
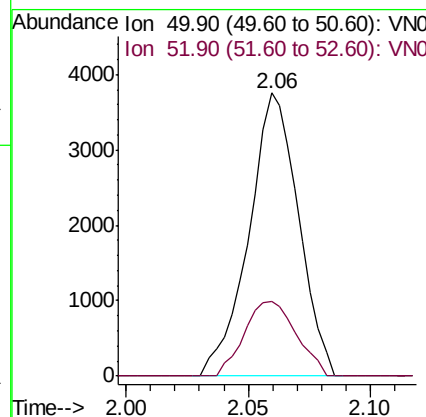
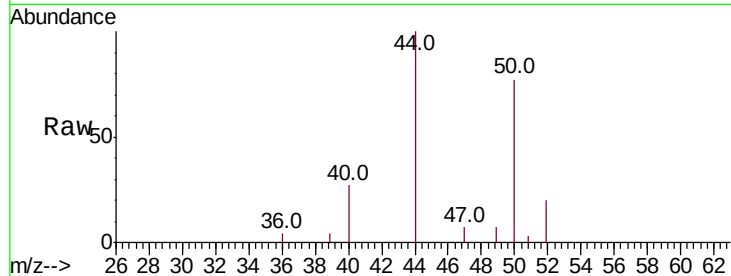
#3
Chloromethane
Concen: 0.780 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	26.5	25.8	38.6

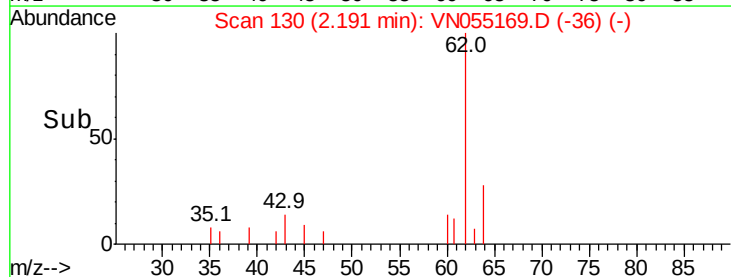
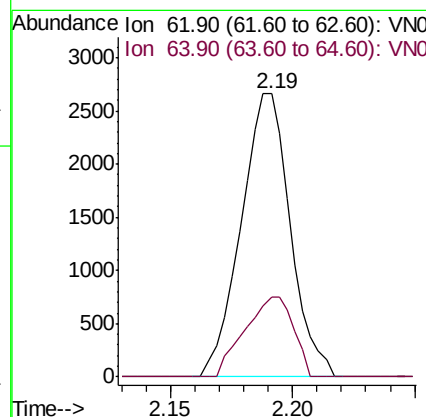
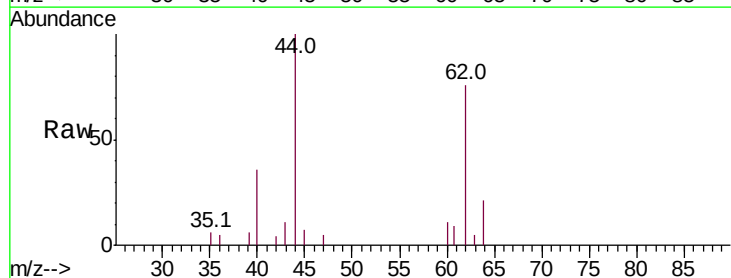
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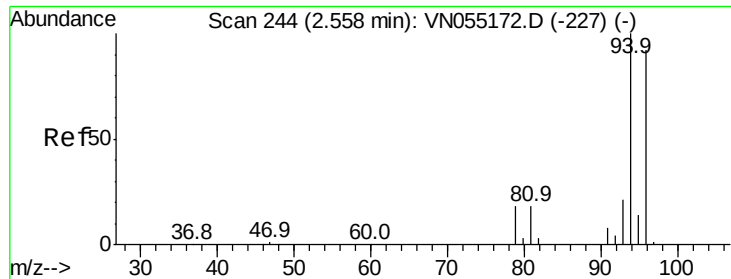
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#4
Vinyl Chloride
Concen: 0.685 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.2	36.4





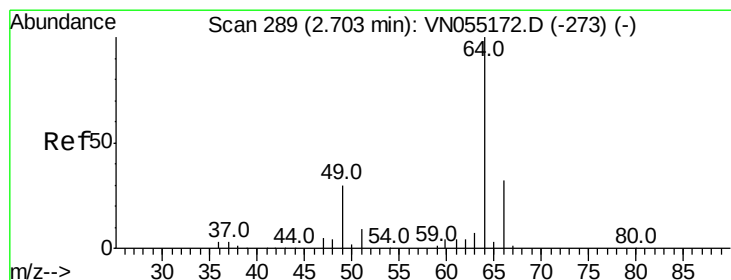
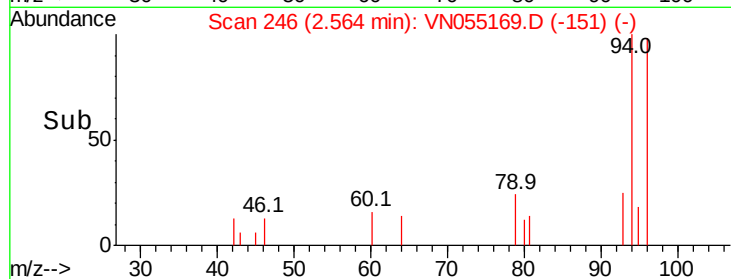
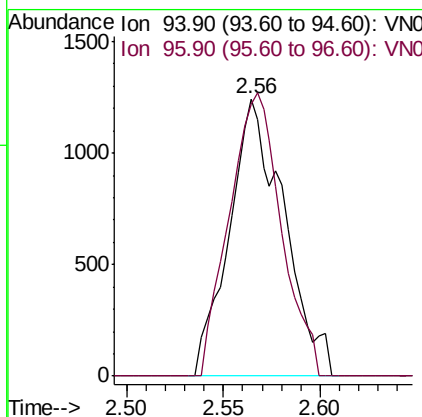
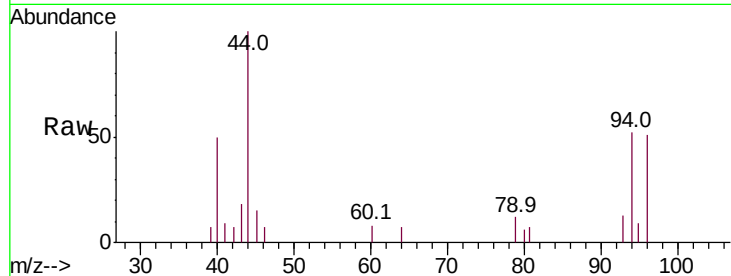
#5
Bromomethane
Concen: 0.775 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 94 Resp: 2436
Ion Ratio Lower Upper
94 100
96 97.8 73.4 110.2

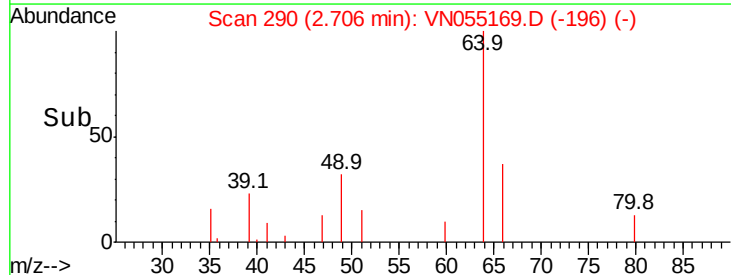
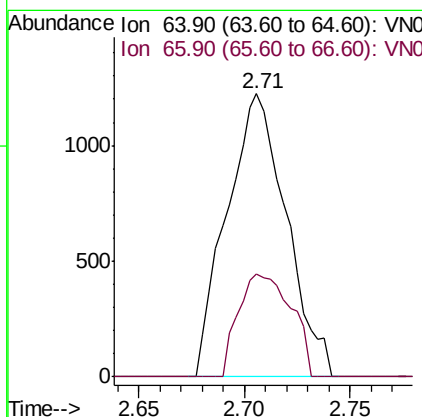
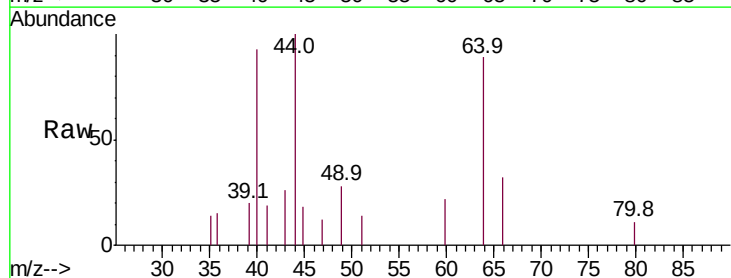
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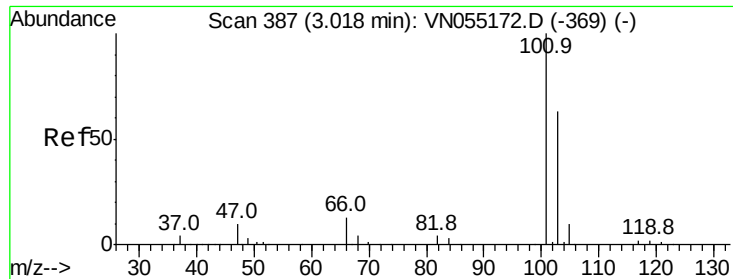
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#6
Chloroethane
Concen: 0.817 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 64 Resp: 2396
Ion Ratio Lower Upper
64 100
66 36.5 25.9 38.9





#7

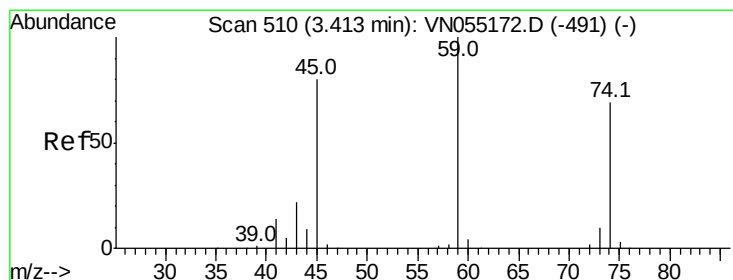
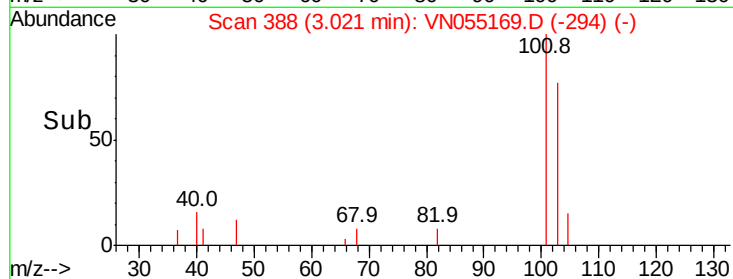
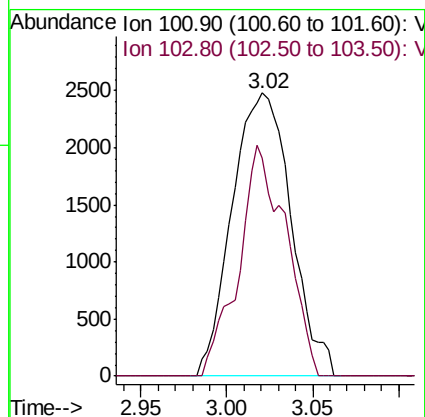
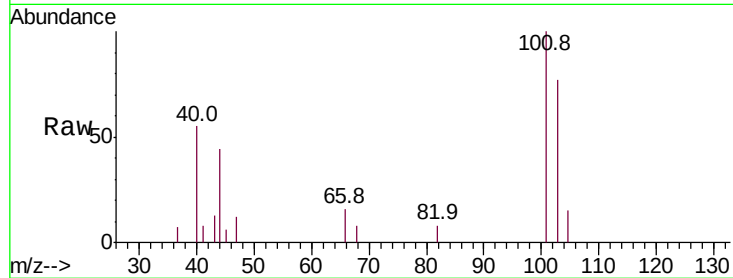
Trichlorofluoromethane
Concen: 0.800 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 5905
Ion Ratio Lower Upper
101 100
103 77.2 50.1 75.1#

Manual Integrations
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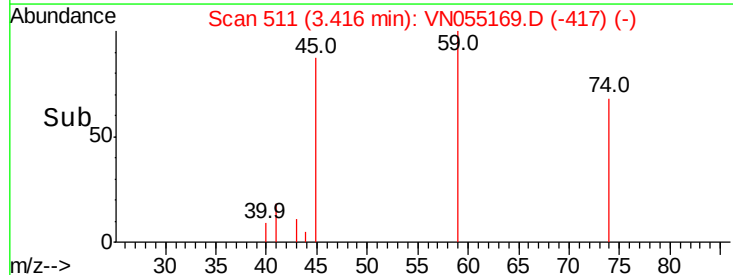
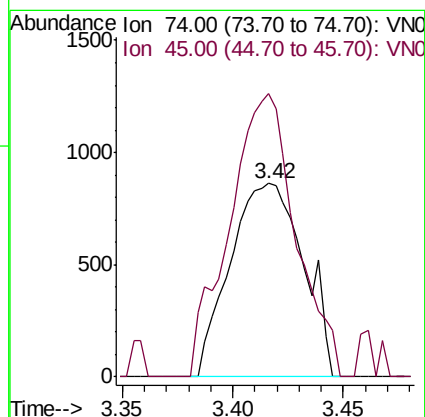
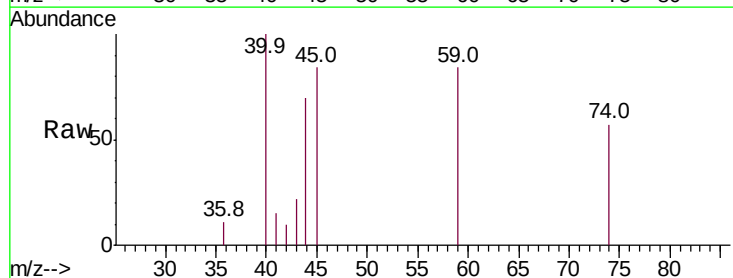
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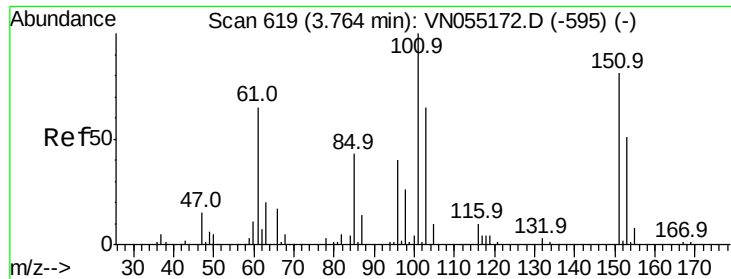


#8

Diethyl Ether
Concen: 0.754 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 74 Resp: 1985
Ion Ratio Lower Upper
74 100
45 133.0 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.740 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

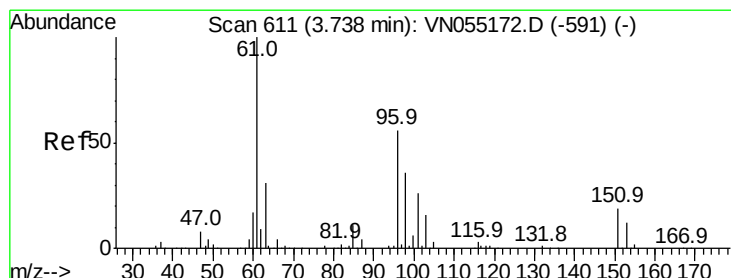
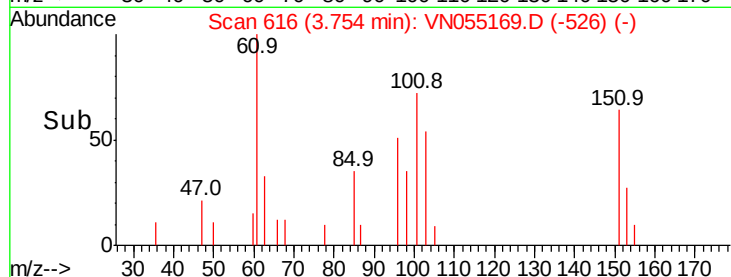
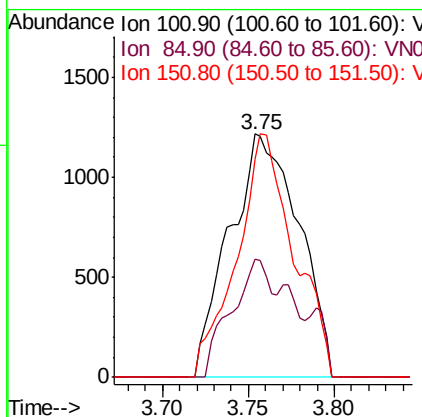
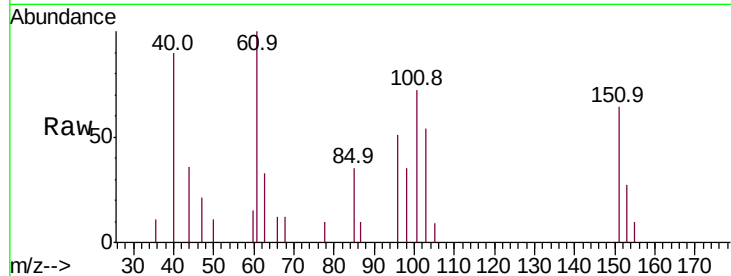
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	29.3	34.9	52.3#
151	82.2	63.8	95.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.820 ug/l

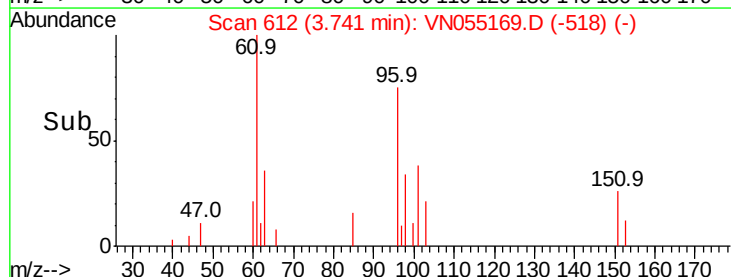
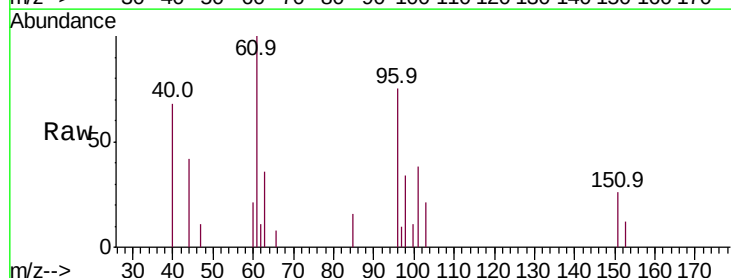
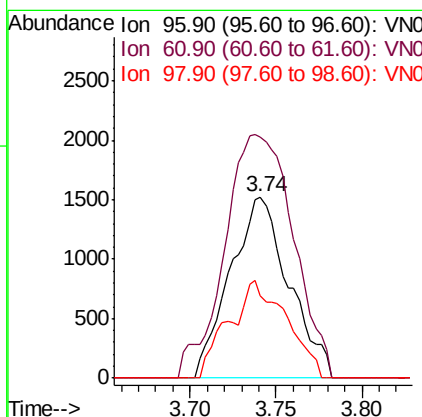
RT: 3.74 min Scan# 612

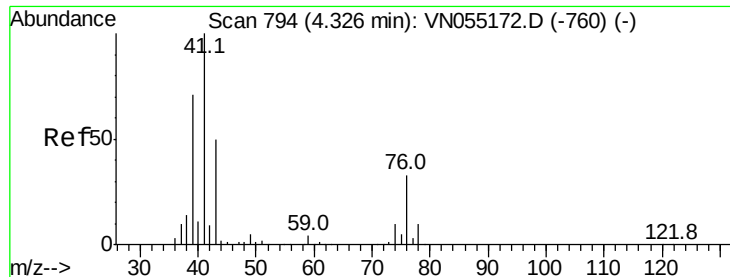
Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	142.1	213.1#
98	45.7	51.2	76.8#





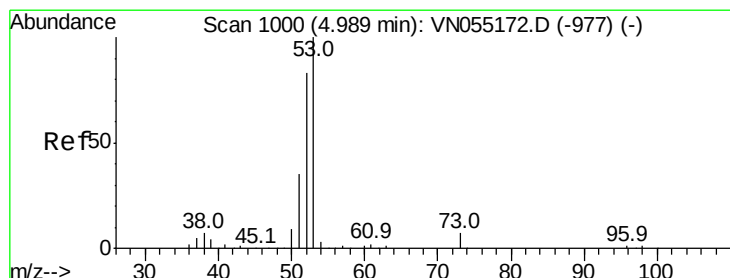
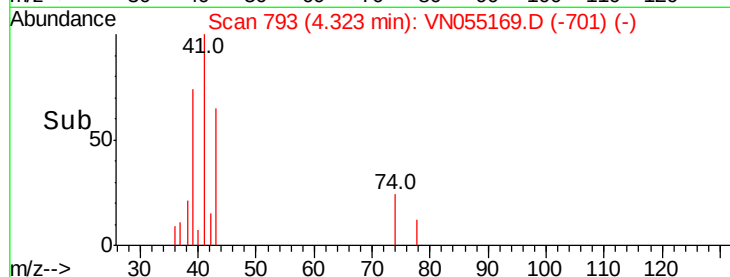
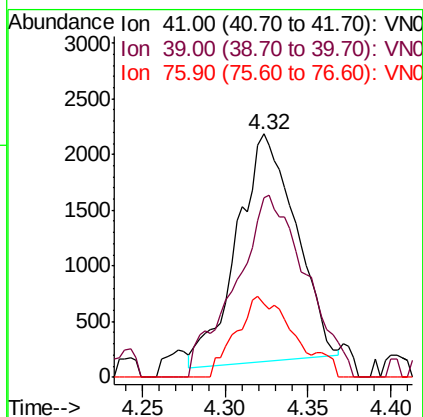
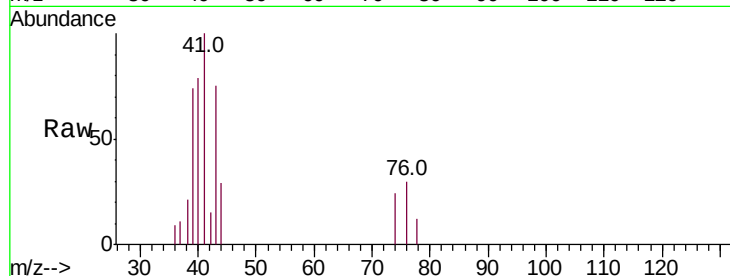
#14
Allvl chloride
Concen: 0.576 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	95.8	52.9	79.3#
76	32.2	23.6	35.4

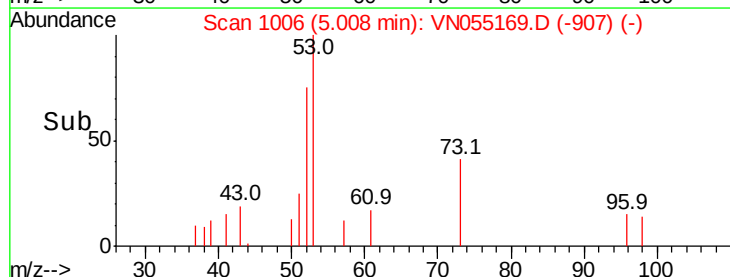
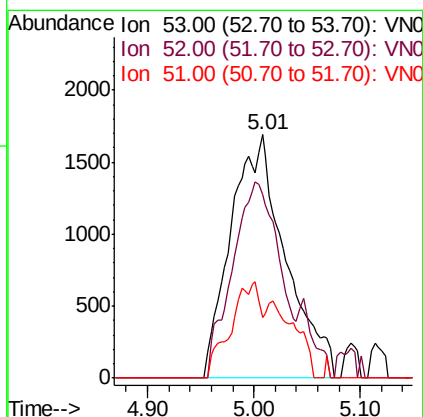
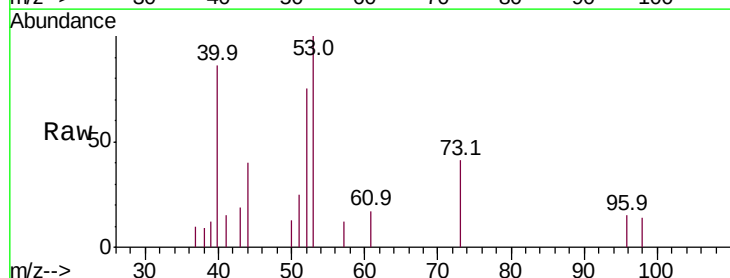
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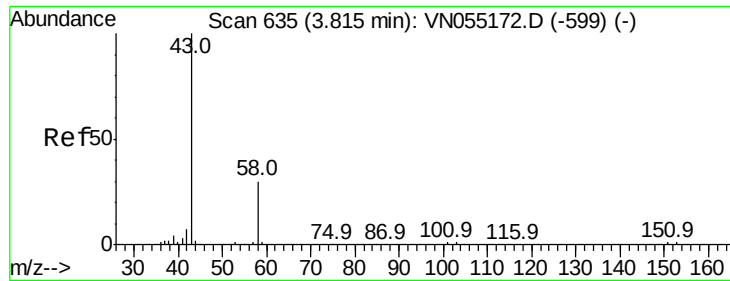
MMDadoda
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#15
Acrylonitrile
Concen: 3.253 ug/l m
RT: 5.01 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
53	100		
52	69.4	65.8	98.8
51	21.6	28.9	43.3#





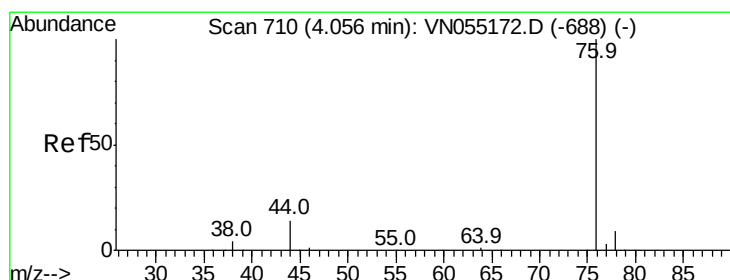
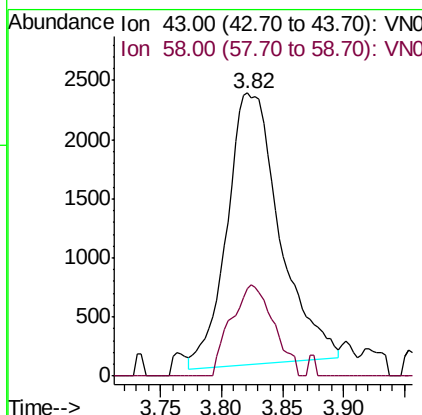
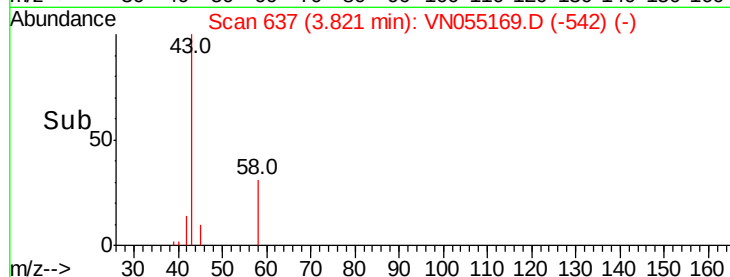
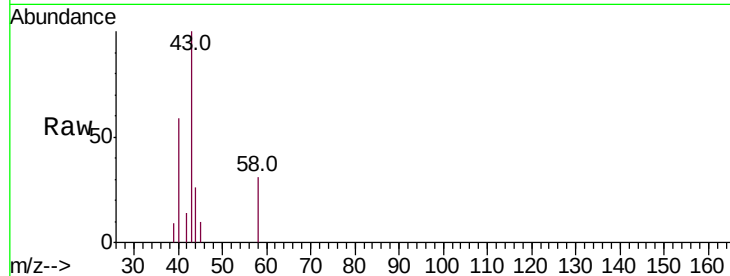
#16
Acetone
Concen: 3.578 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.3	23.8	35.8

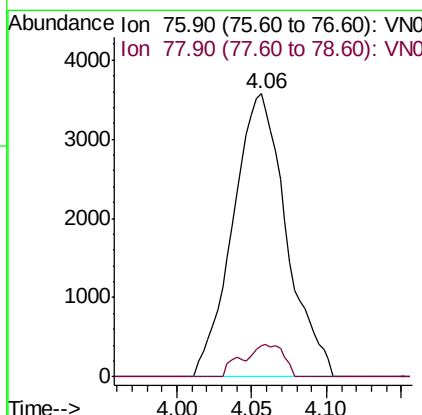
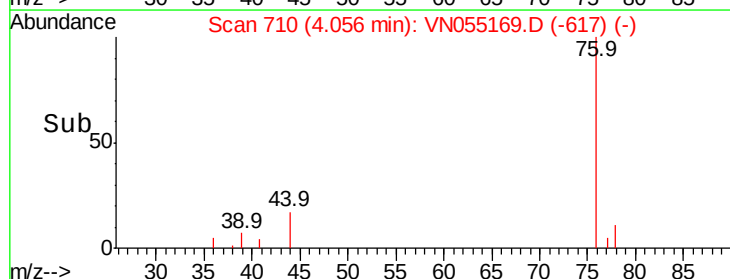
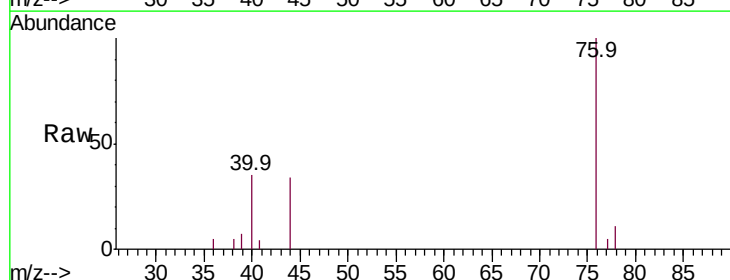
Manual Integrations
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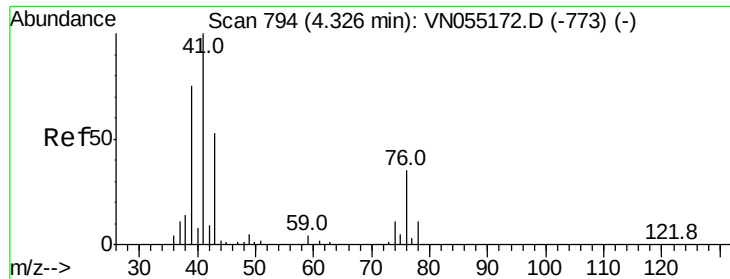
MMDadoda
4/23/2019 1:46:20 PM



#17
Carbon Disulfide
Concen: 0.720 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
76	100		
78	11.1	7.3	10.9#





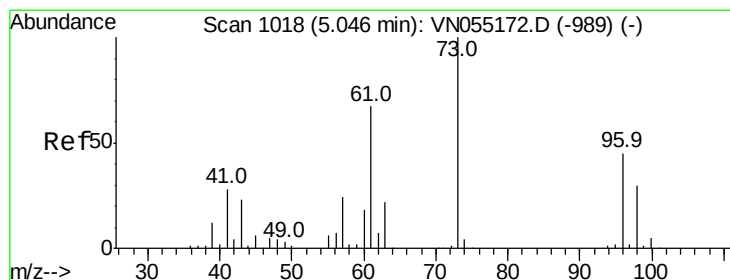
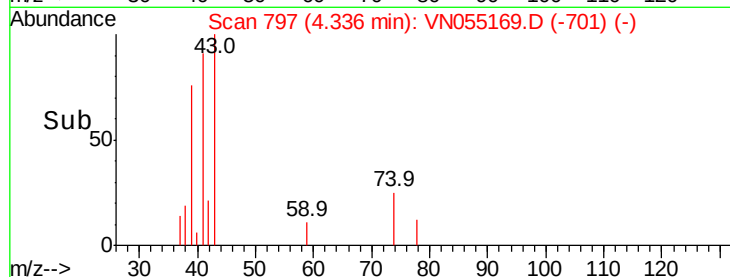
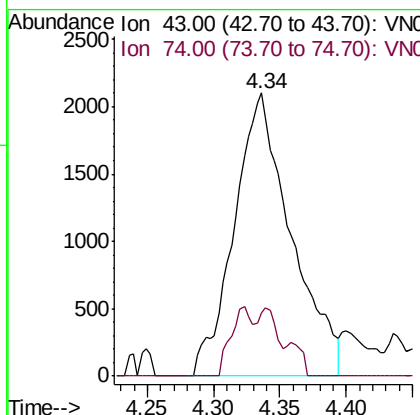
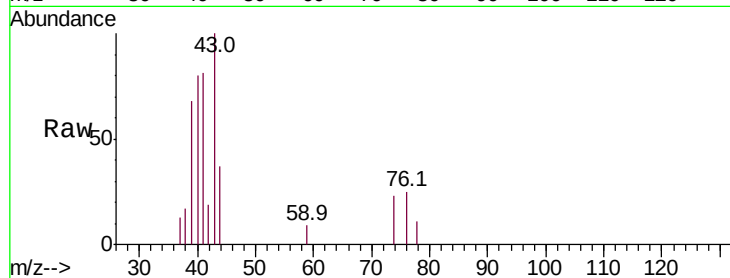
#18
Methyl Acetate
Concen: 1.186 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 6280
Ion Ratio Lower Upper
43 100
74 4.1 16.7 25.1#

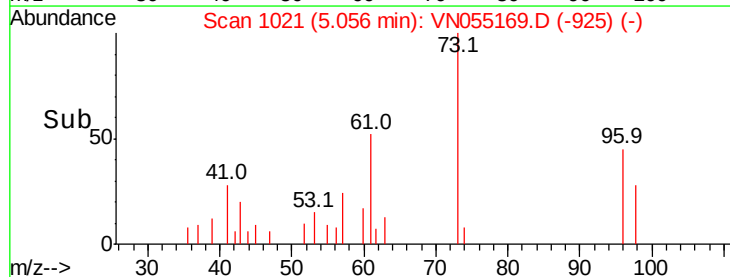
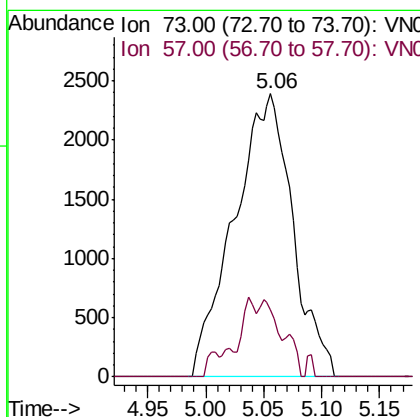
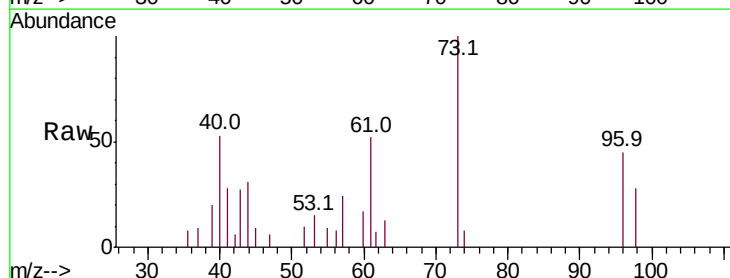
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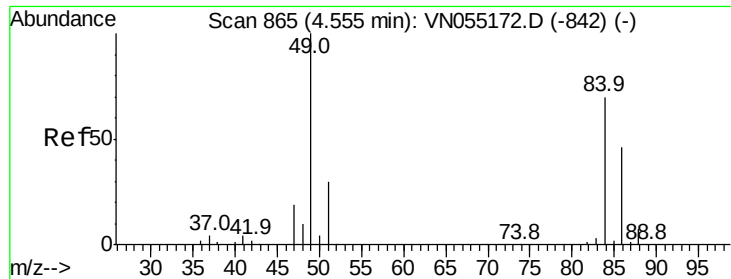
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.687 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 73 Resp: 8383
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3





#20

Methylene Chloride

Concen: 0.867 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 84 Resp: 4785

Ion Ratio Lower Upper

84 100

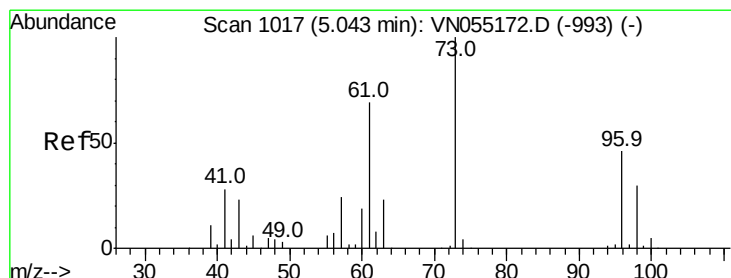
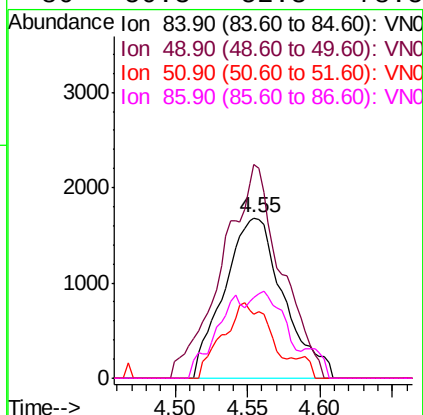
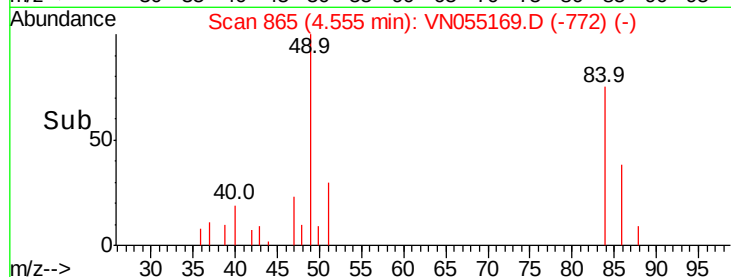
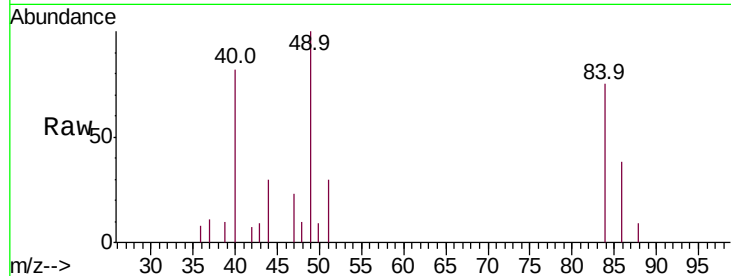
49 133.5 113.8 170.6

51 40.0 34.0 51.0

86 50.3 52.3 78.5#

Manual Integrations
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#21

trans-1,2-Dichloroethene

Concen: 0.748 ug/l

RT: 5.06 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

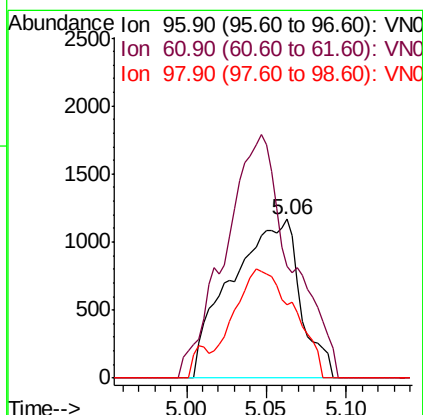
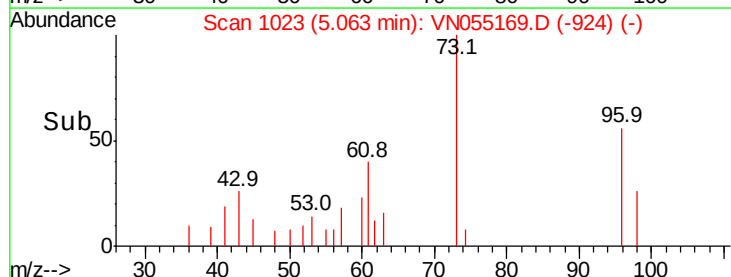
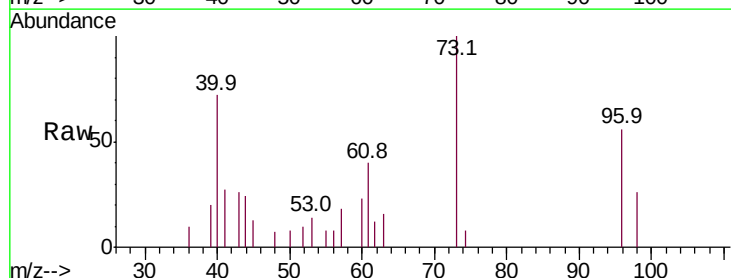
Tgt Ion: 96 Resp: 3463

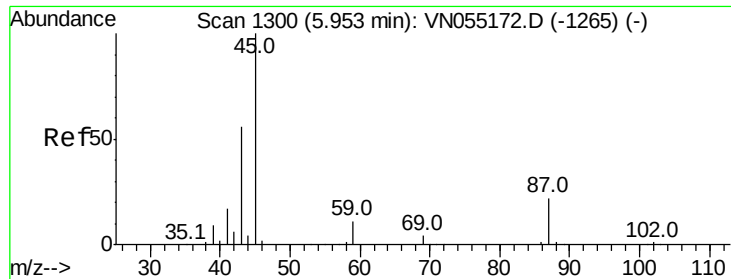
Ion Ratio Lower Upper

96 100

61 70.4 119.3 178.9#

98 46.2 53.0 79.4#





#22

Diisopropyl ether

Concen: 0.728 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

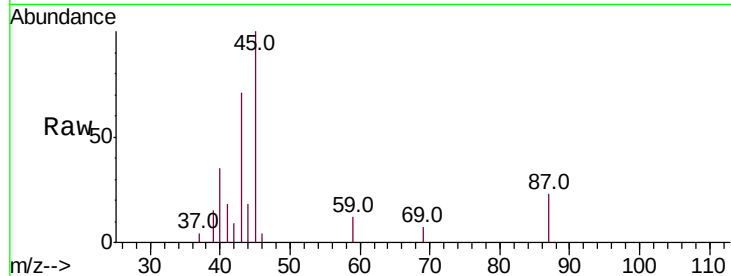
ClientSampleId :

VSTDIC001

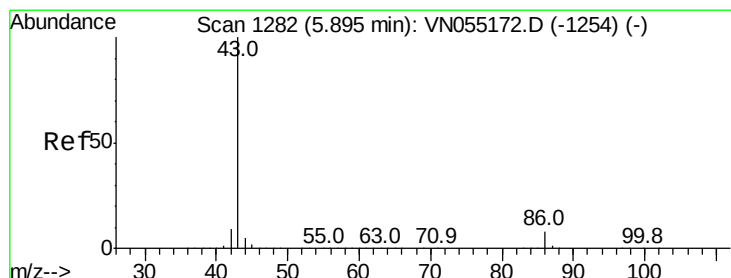
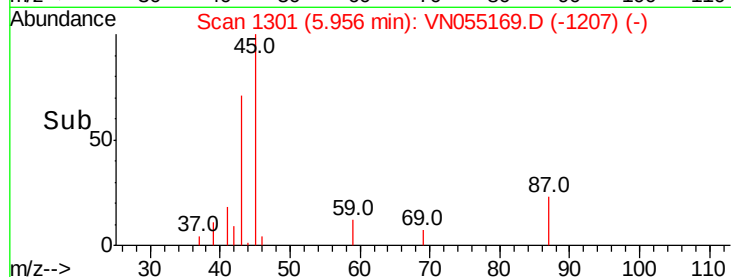
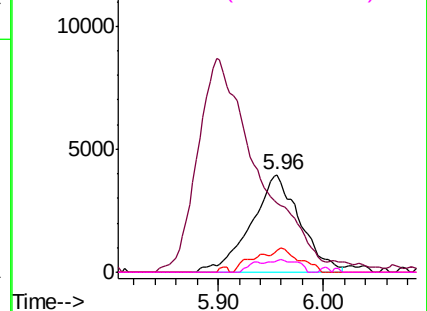
Tot Ion:	45	Resp:	12667
Ion Ratio	Lower	Upper	
45	100		
43	60.0	47.4	71.0
87	23.0	18.4	27.6
59	12.4	8.6	12.8

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



#23

Vinyl Acetate

Concen: 2.954 ug/l

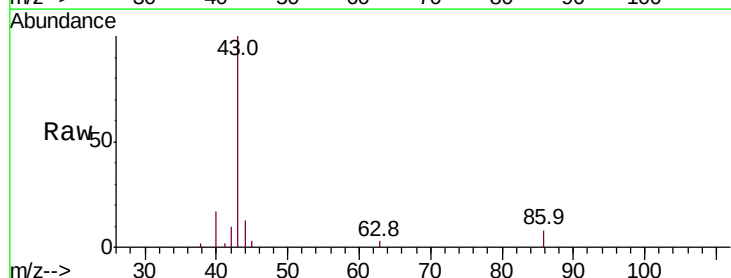
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

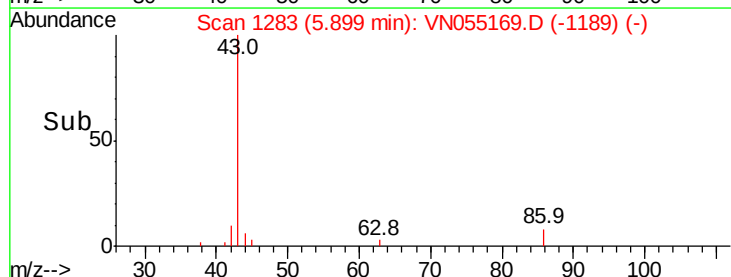
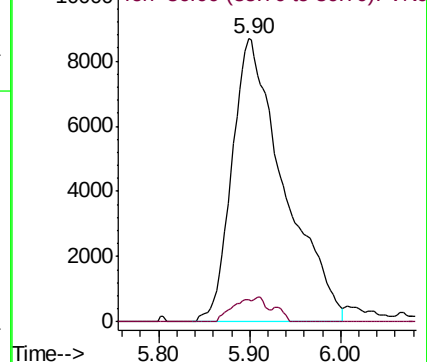
Lab File: VN055169.D

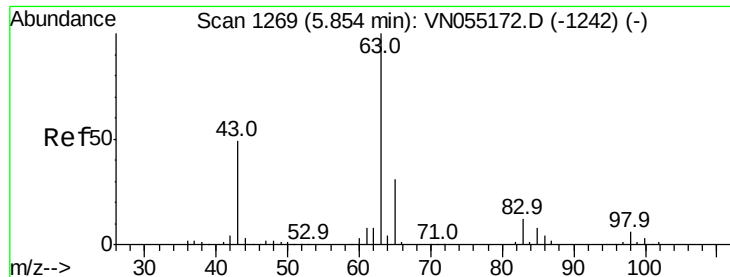
Acq: 22 Apr 2019 9:22

Tgt Ion:	43	Resp:	34524
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.8	10.2



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





#24

1,1-Dichloroethane

Concen: 0.729 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

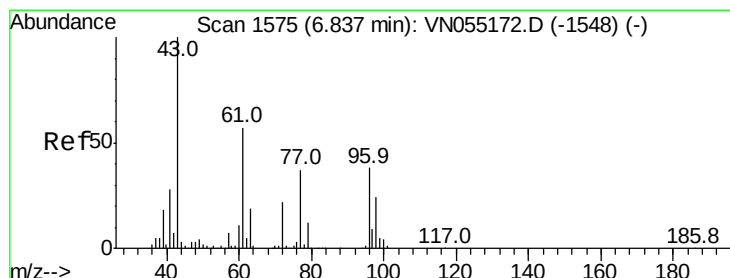
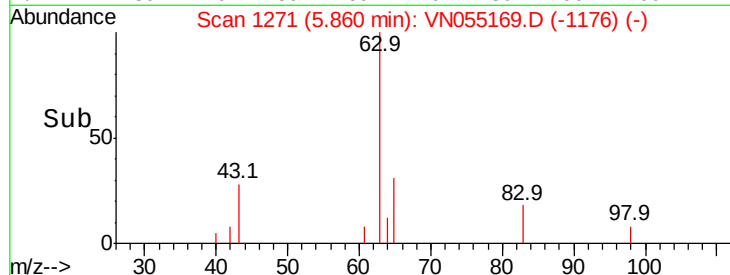
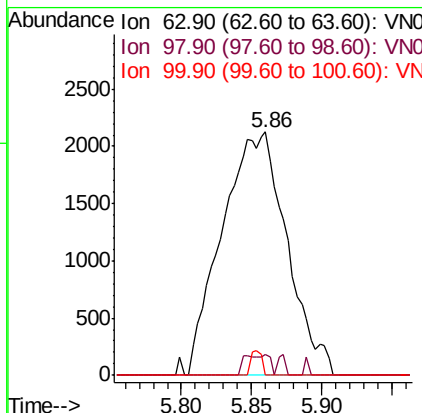
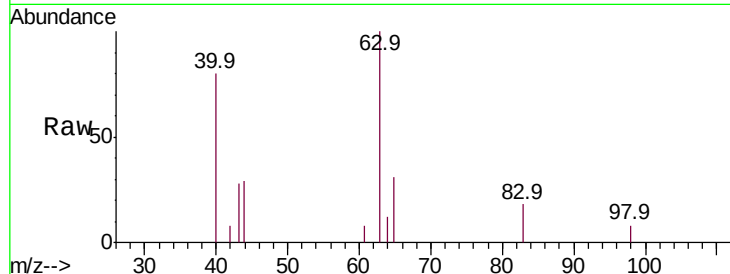
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	6815
Ion Ratio	Lower	Upper	
63	100		
98	8.4	3.1	9.3
100	0.0	1.8	5.3#

Manual Integrations
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#25

2-Butanone

Concen: 3.195 ug/l

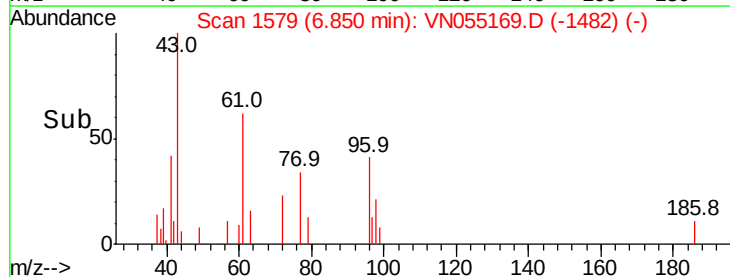
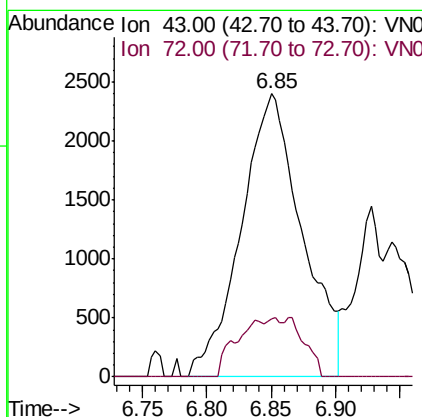
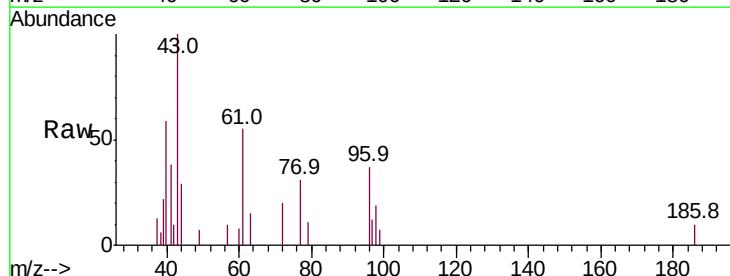
RT: 6.85 min Scan# 1579

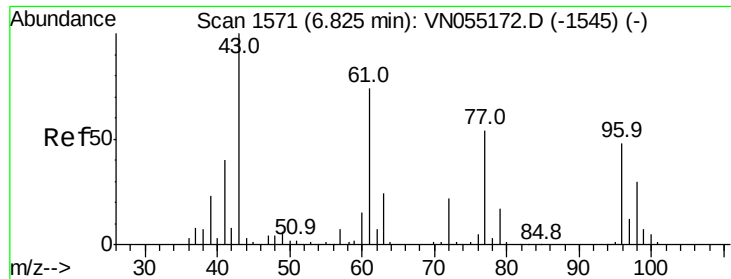
Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	43	Resp:	7916
Ion Ratio	Lower	Upper	
43	100		
72	20.3	17.8	26.8





#26

2,2-Dichloropropane

Concen: 0.741 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

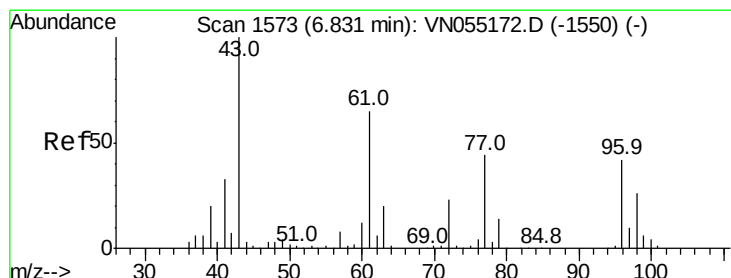
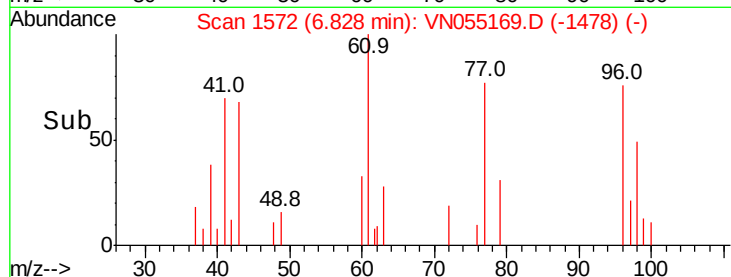
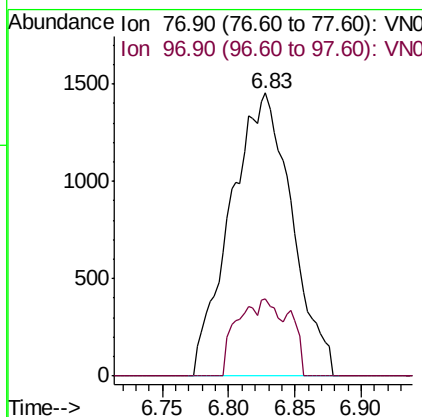
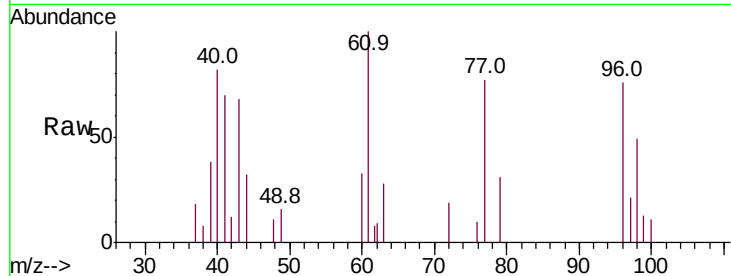
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 77 Resp: 4689

Ion	Ratio	Lower	Upper
77	100		
97	9.8	11.3	33.8#

Manual Integrations
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#27

cis-1,2-Dichloroethene

Concen: 0.710 ug/l

RT: 6.83 min Scan# 1572

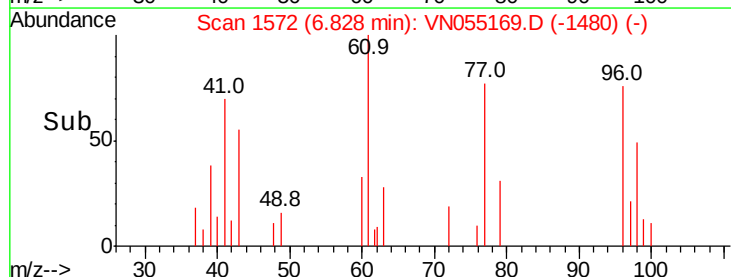
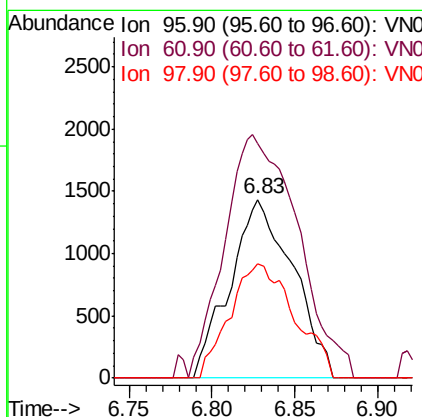
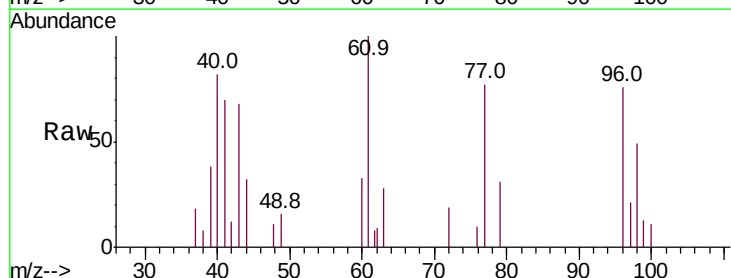
Delta R.T. -0.00 min

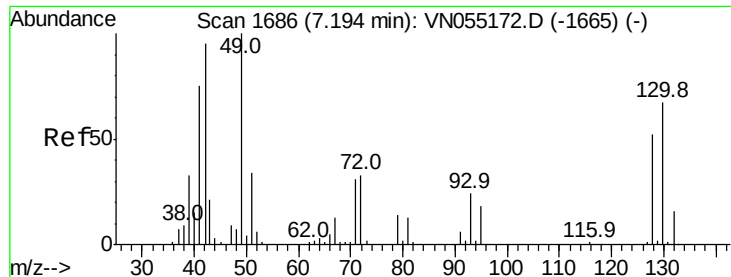
Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion: 96 Resp: 3787

Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	310.8
98	65.9	0.0	127.4





#28

Bromochloromethane

Concen: 0.976 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

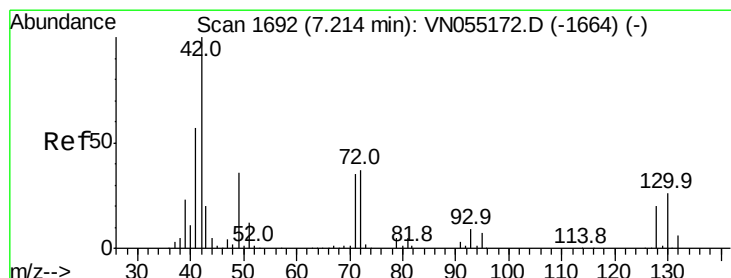
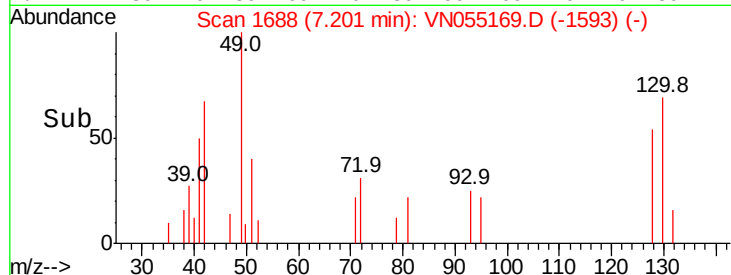
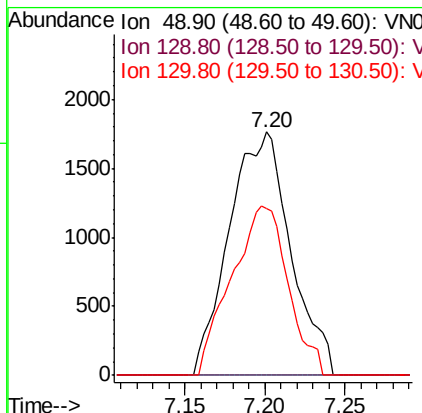
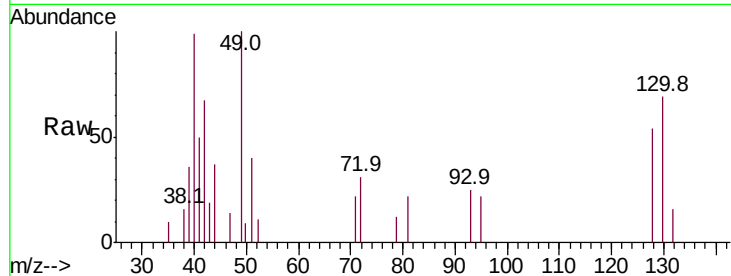
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	64.0	53.4	80.2

Manual Integrations
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4/23/2019 1:46:20 PM



#29

Tetrahydrofuran

Concen: 3.414 ug/l

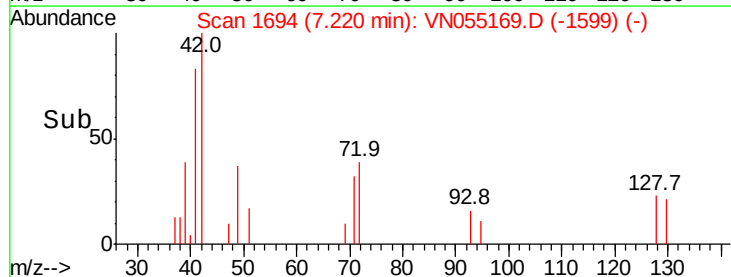
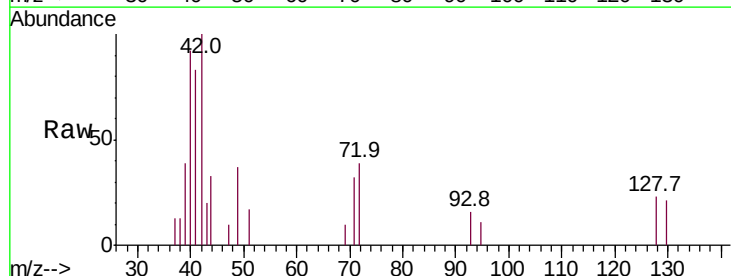
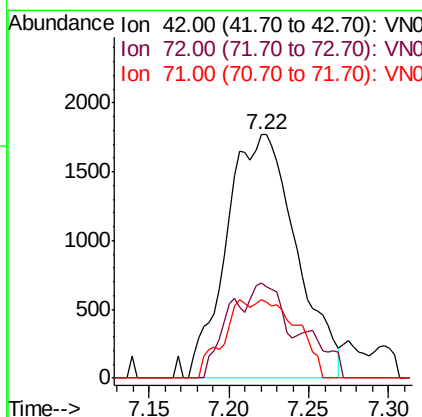
RT: 7.22 min Scan# 1694

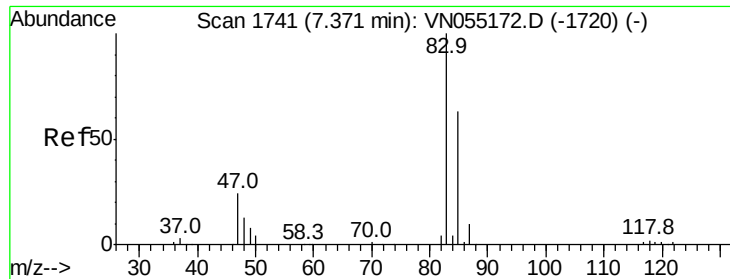
Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
42	100		
72	11.0	29.4	44.2#
71	0.0	27.8	41.8#





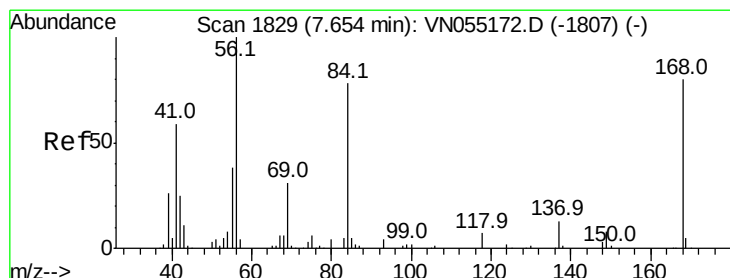
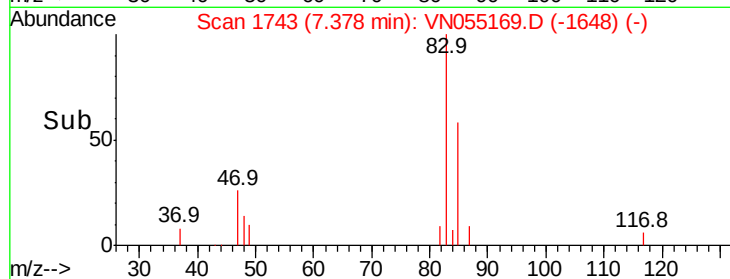
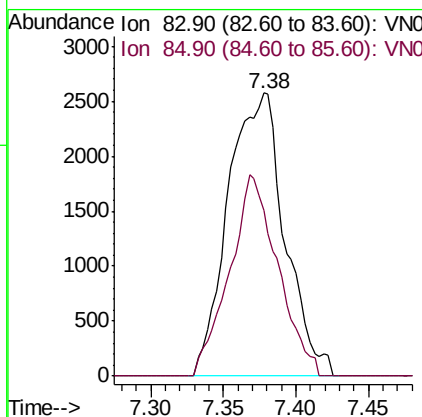
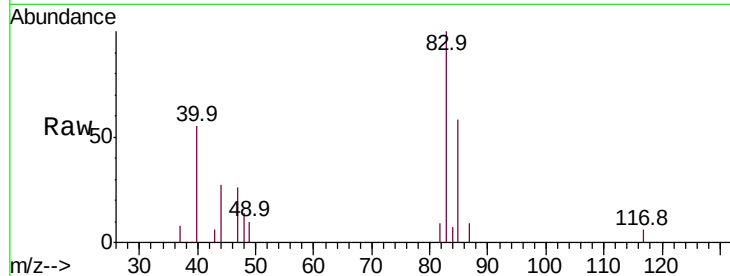
#30
Chloroform
Concen: 0.787 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 7003
Ion Ratio Lower Upper
83 100
85 58.5 50.6 76.0

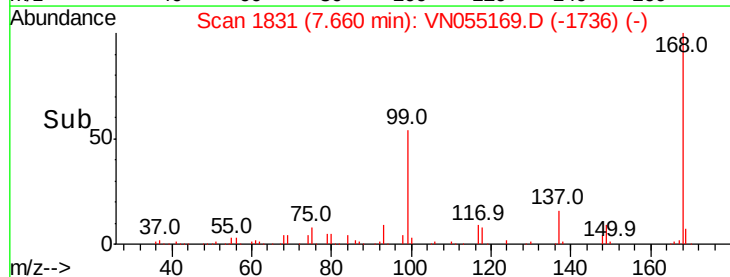
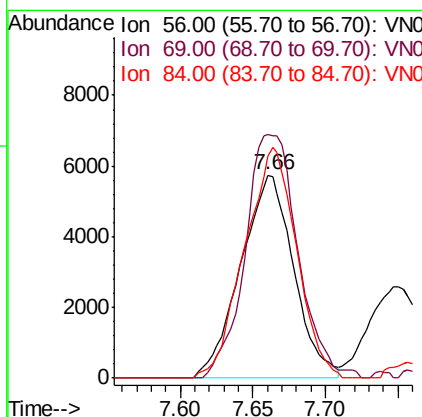
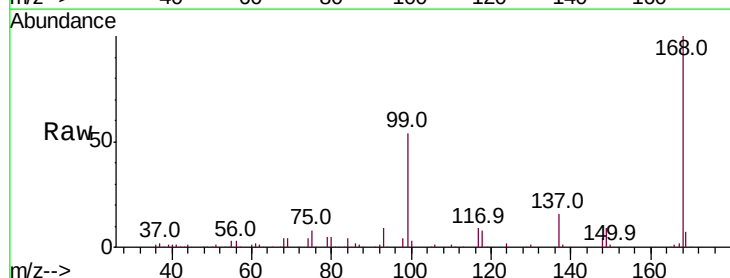
Manual Integrations
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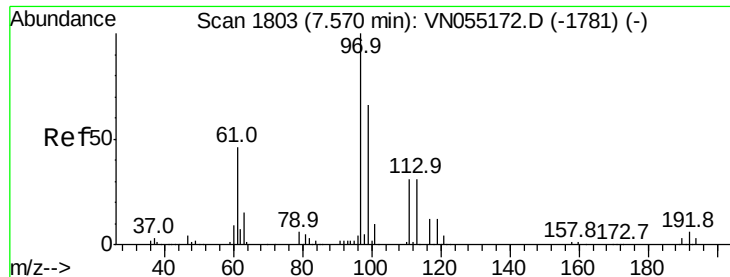
MMDadoda
4/23/2019 1:46:20 PM



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 56 Resp: 14612
Ion Ratio Lower Upper
56 100
69 119.9 24.6 37.0#
84 109.2 61.4 92.2#





#32

1,1,1-Trichloroethane

Concen: 0.756 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 5402

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

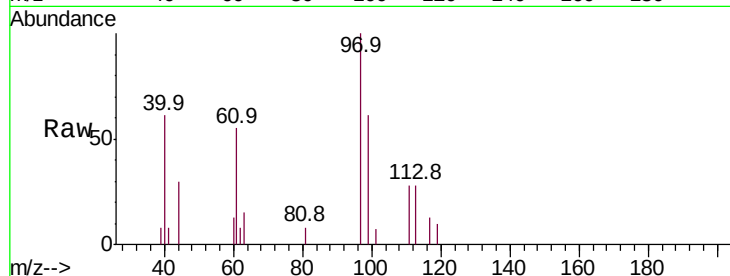
61 32.8 38.3 57.5#

Manual Integrations

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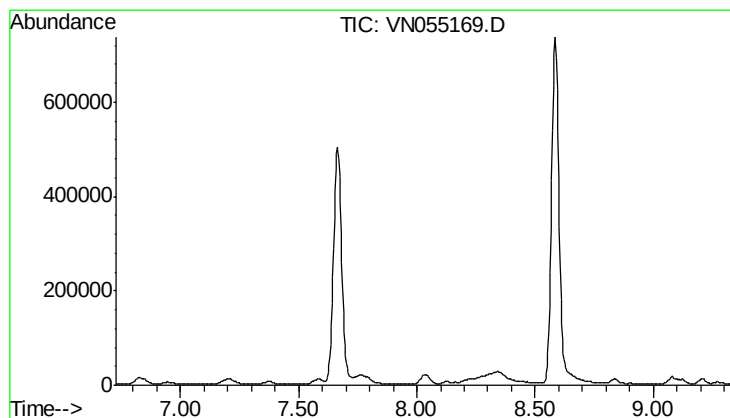
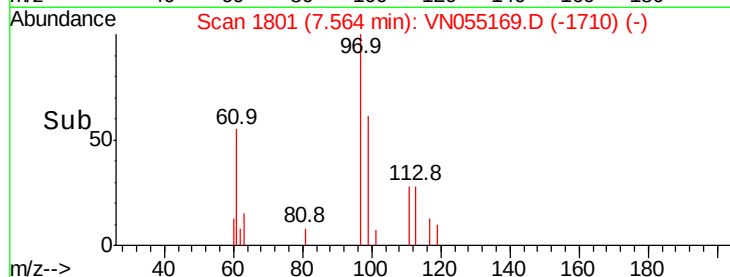
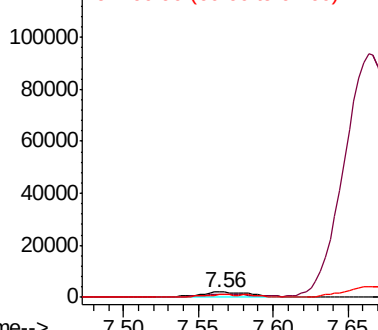


Abundance

Ion 96.90 (96.60 to 97.60): VN055169.D

Ion 98.90 (98.60 to 99.60): VN055169.D

Ion 60.90 (60.60 to 61.60): VN055169.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN055169.D

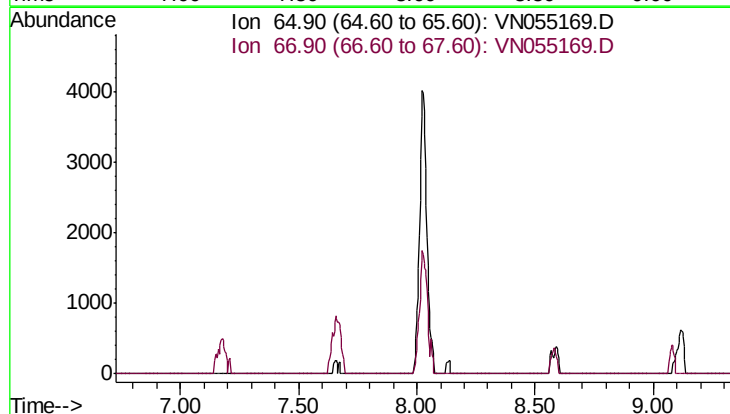
Acq: 22 Apr 2019 9:22

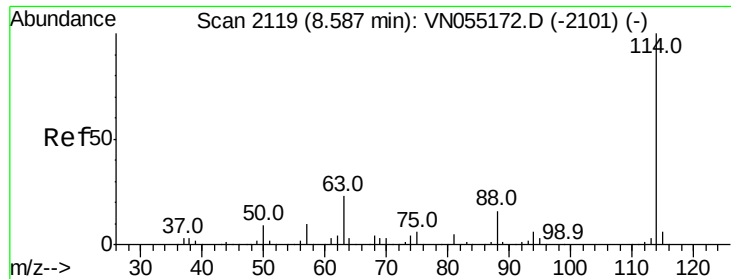
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.3





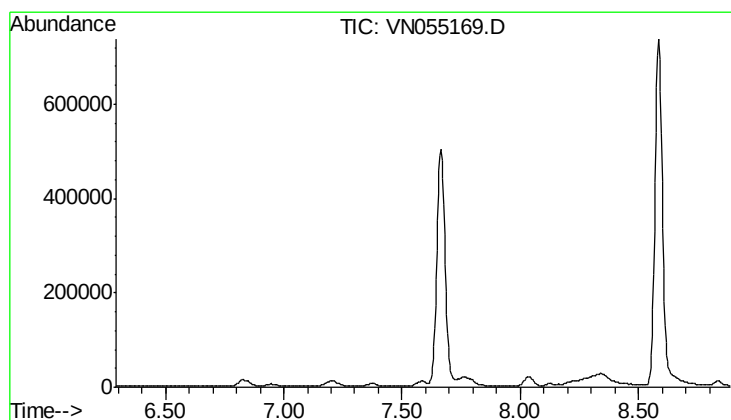
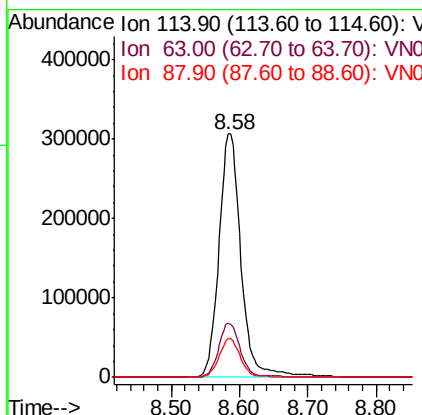
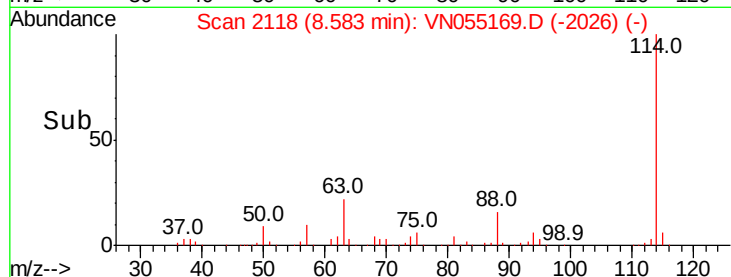
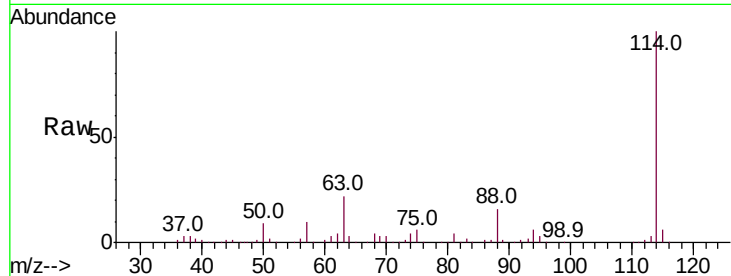
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.1	0.0	45.2
88	15.9	0.0	32.8

Manual Integrations
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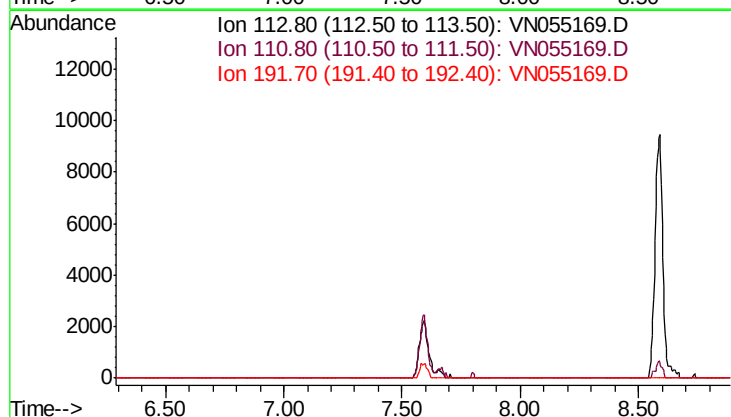
MMDadoda
 4/23/2019 1:46:20 PM

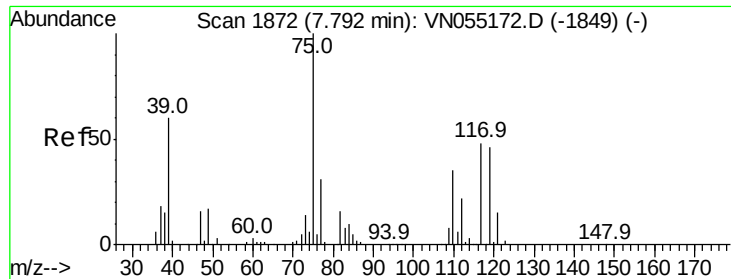


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min

Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion	Exp Ratio
113	100
111	101.2
192	20.3





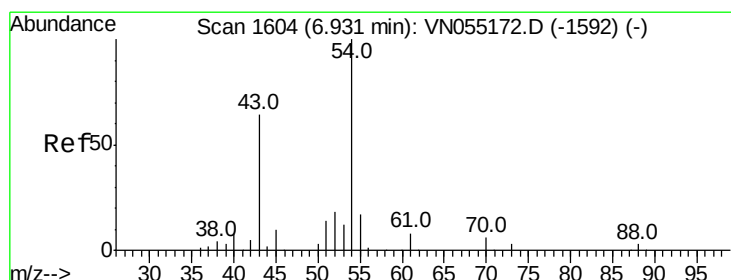
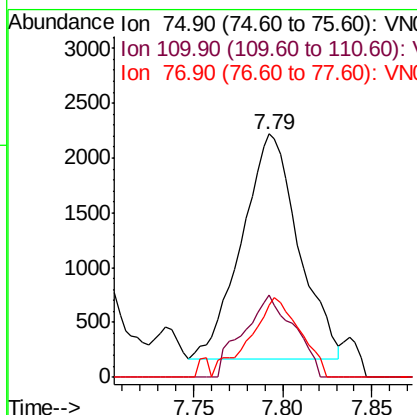
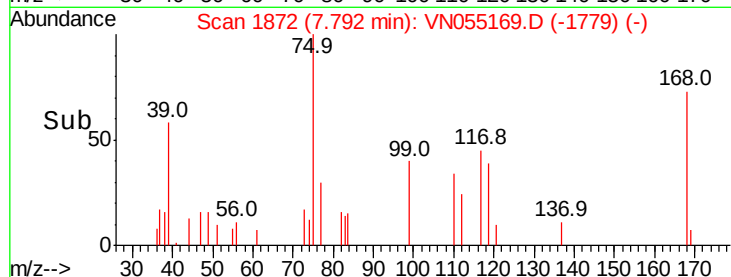
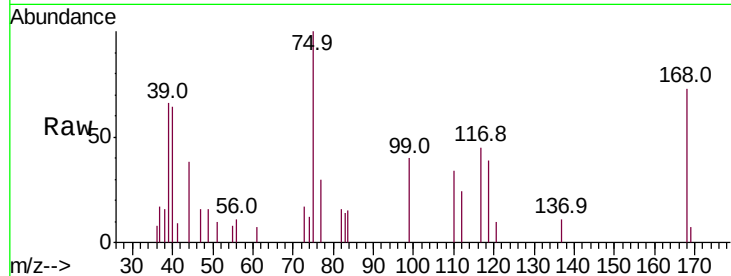
#36
 1,1-Dichloropropene
 Concen: 0.709 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.1	51.2
77	31.5	24.6	36.8

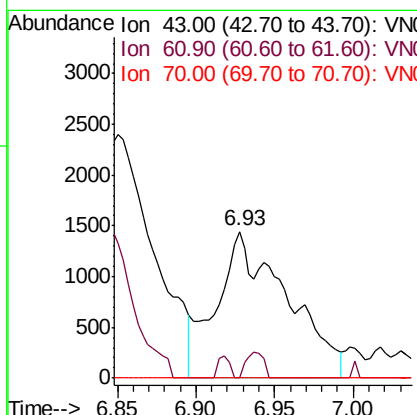
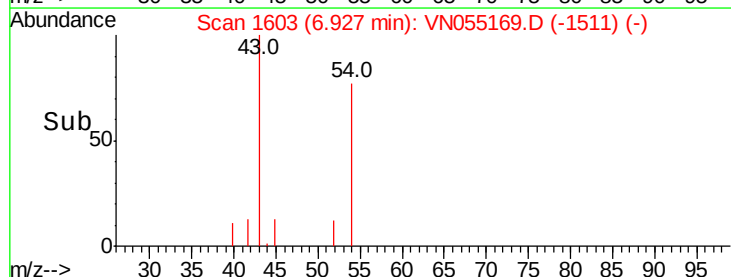
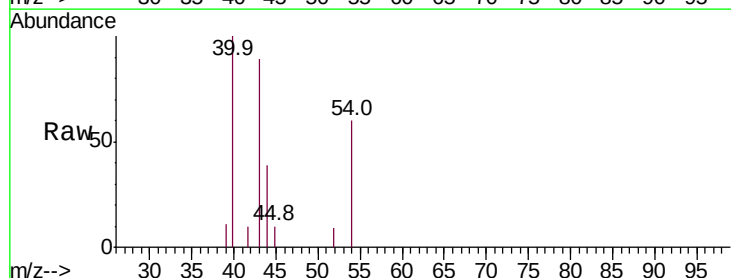
Manual Integrations
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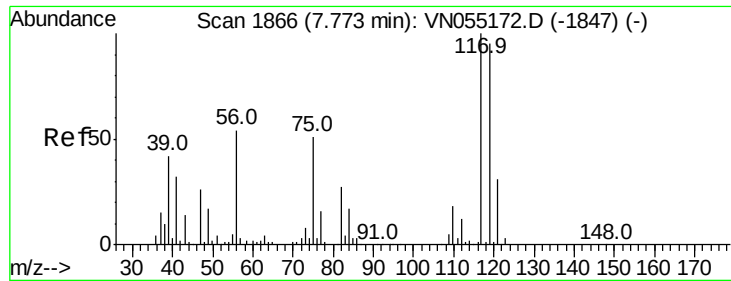
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#37
 Ethyl Acetate
 Concen: 0.840 ug/l m
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.5	9.7	14.5#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 0.890 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 5690

Ion Ratio Lower Upper

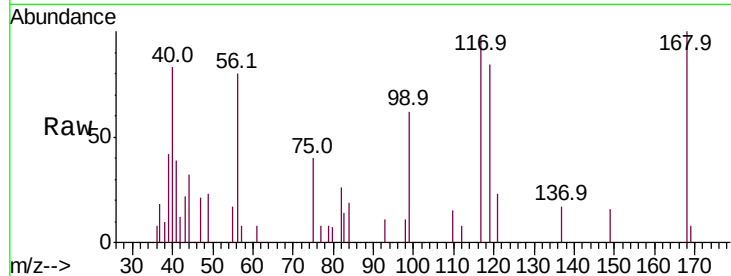
117 100

119 86.9 76.0 114.0

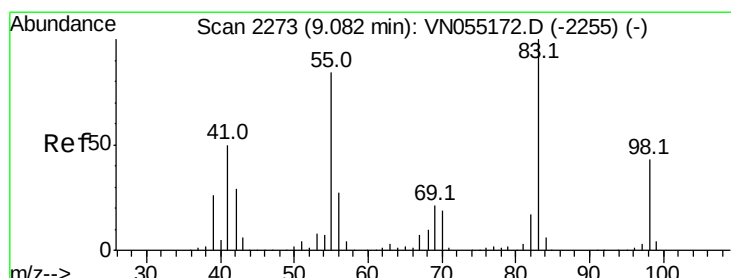
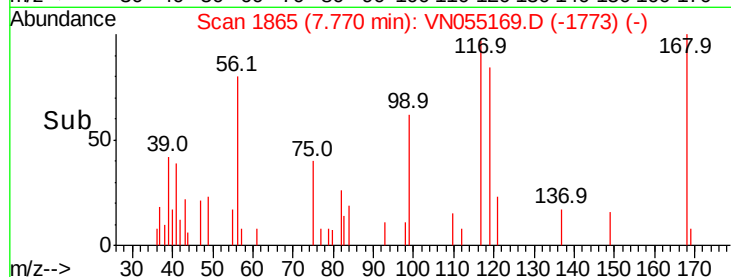
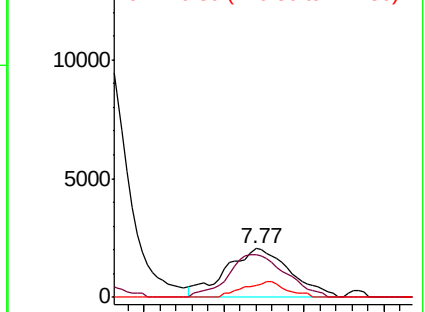
121 23.4 24.6 36.8#

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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: 0.635 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

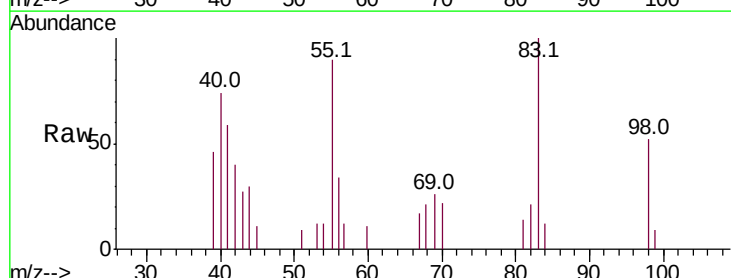
Tgt Ion: 83 Resp: 4846

Ion Ratio Lower Upper

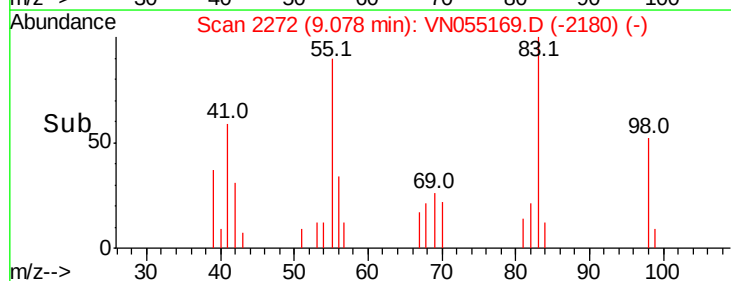
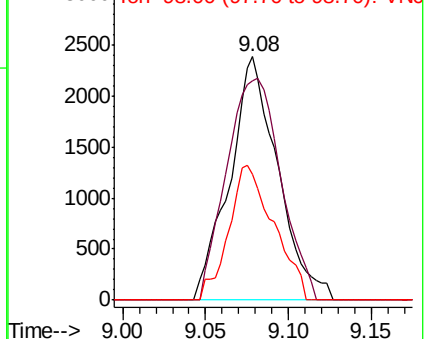
83 100

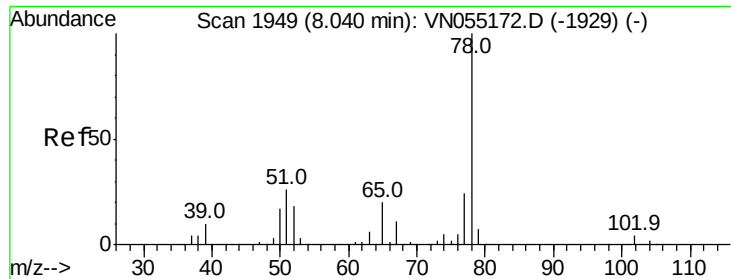
55 90.3 67.4 101.0

98 51.5 34.7 52.1



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





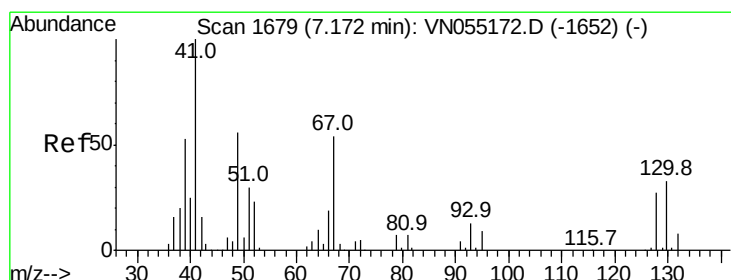
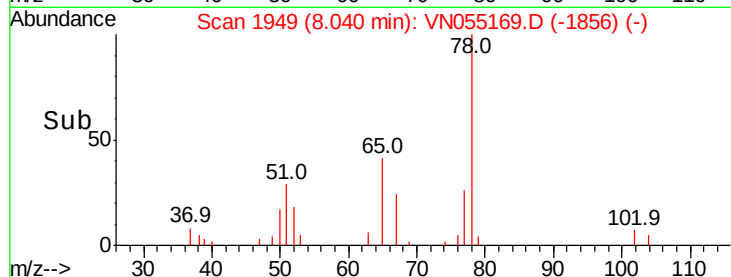
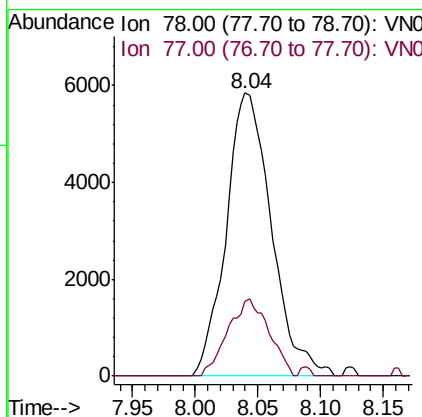
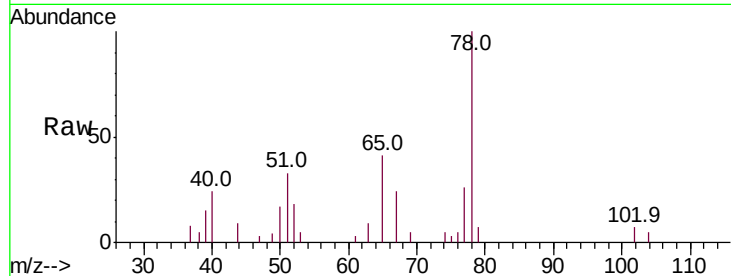
#40
Benzene
Concen: 0.744 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 14682
Ion Ratio Lower Upper
78 100
77 26.3 19.5 29.3

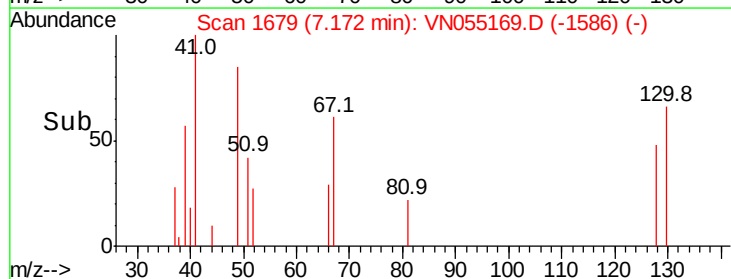
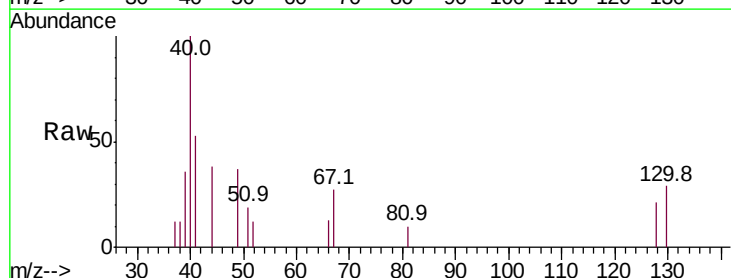
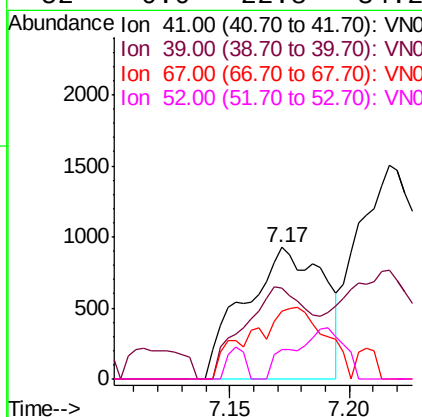
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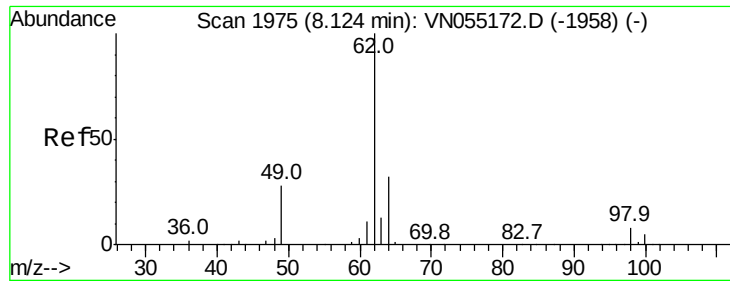
MMDadoda
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#41
Methacrylonitrile
Concen: 0.805 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 41 Resp: 2120
Ion Ratio Lower Upper
41 100
39 59.0 45.4 68.0
67 52.4 54.6 81.8#
52 0.0 22.8 34.2#





#42

1,2-Dichloroethane

Concen: 0.732 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 5040

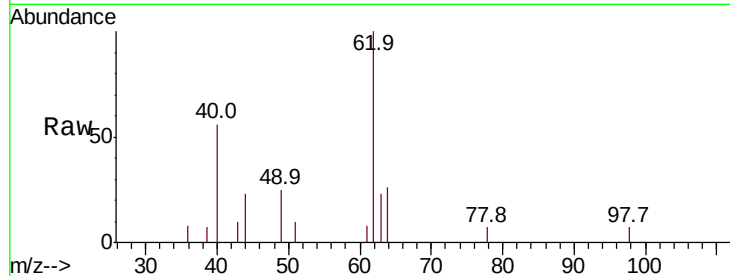
Ion Ratio Lower Upper

62 100

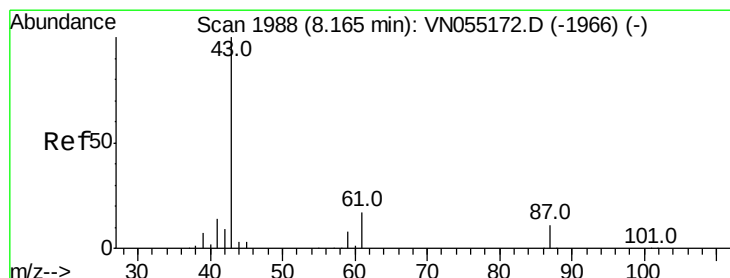
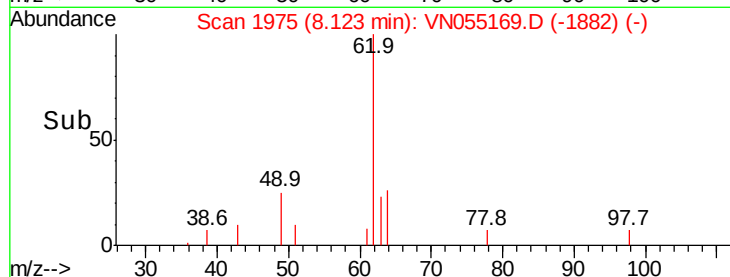
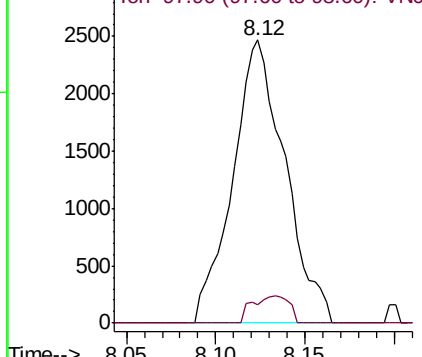
98 6.8 0.0 17.0

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Abundance Ion 61.90 (61.60 to 62.60): VN055169.D (-1882) (-)



#43

Isopropyl Acetate

Concen: 0.660 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

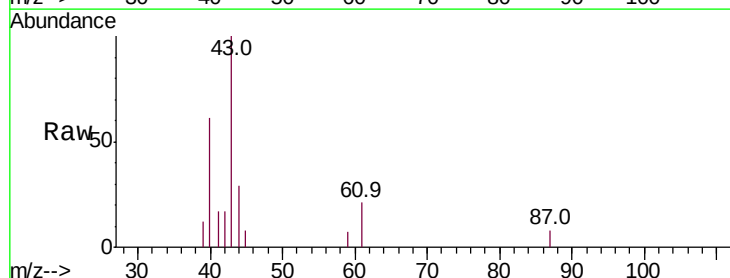
Tgt Ion: 43 Resp: 5520

Ion Ratio Lower Upper

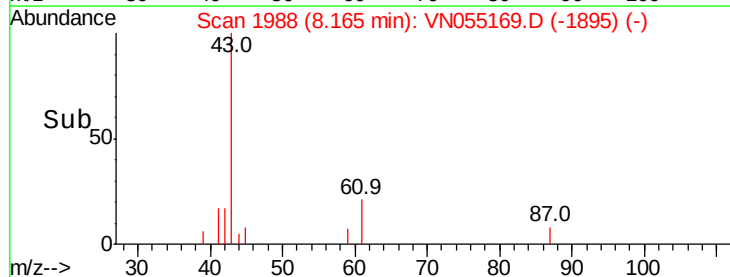
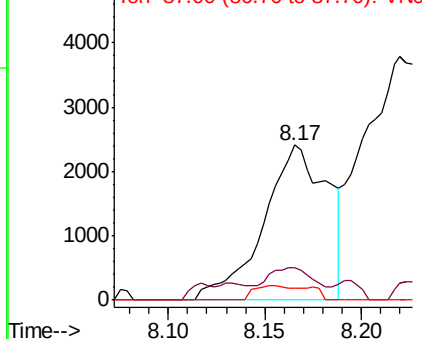
43 100

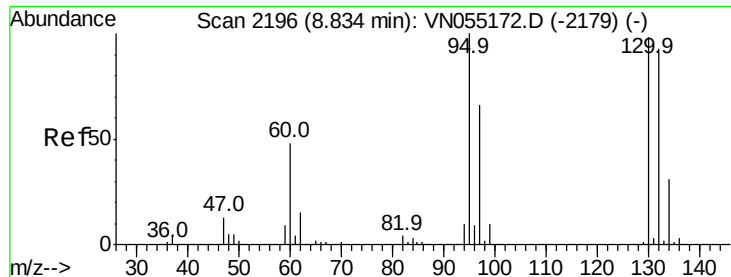
61 16.4 20.6 30.8#

87 5.5 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055169.D (-1895) (-)





#44

Trichloroethene

Concen: 0.735 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3666

Ion Ratio Lower Upper

130 100

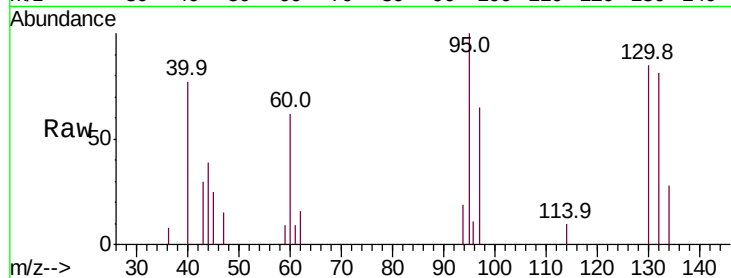
95 118.0 0.0 203.6

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)

2500

2000

1500

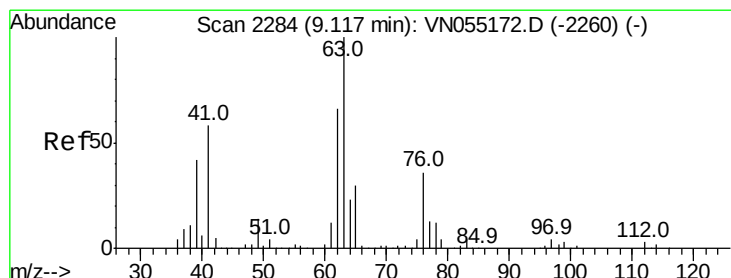
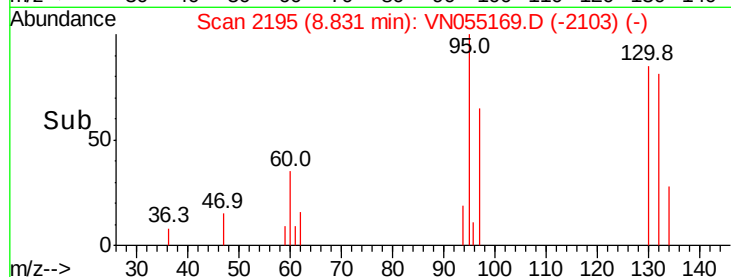
1000

500

0

8.80 8.85 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 0.664 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN055169.D

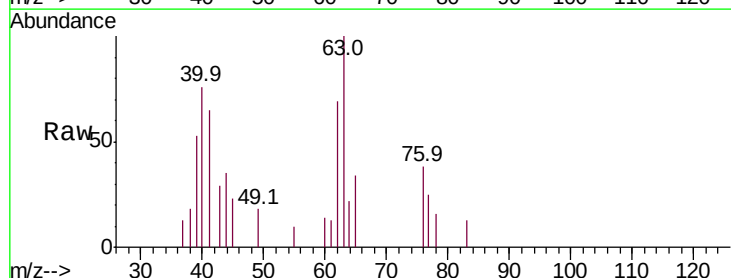
Acq: 22 Apr 2019 9:22

Tgt Ion: 63 Resp: 3700

Ion Ratio Lower Upper

63 100

65 34.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN055172.D (-2260) (-)

Ion 64.90 (64.60 to 65.60): VN055172.D (-2260) (-)

2000

1500

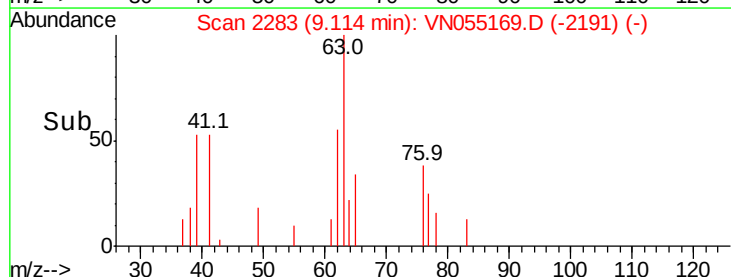
1000

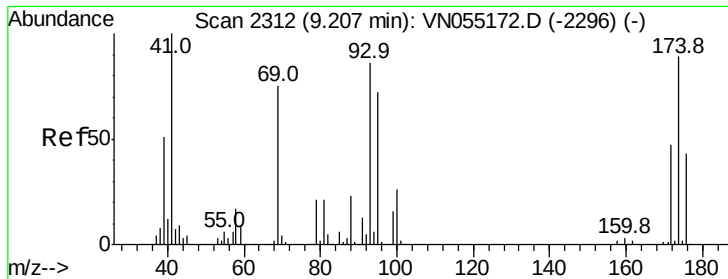
500

0

9.05 9.10 9.15

Time-->





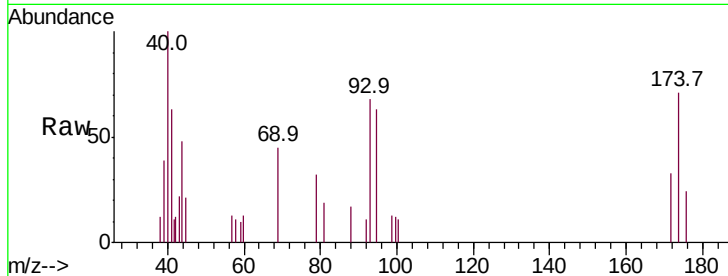
#46
Dibromomethane
Concen: 0.694 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

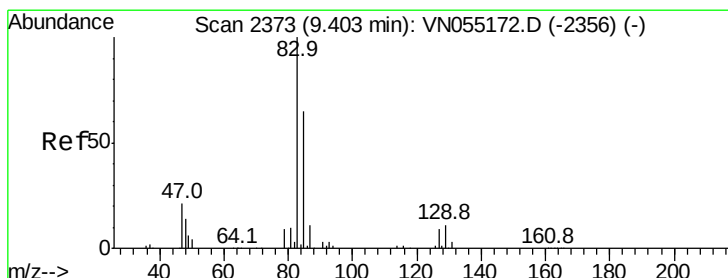
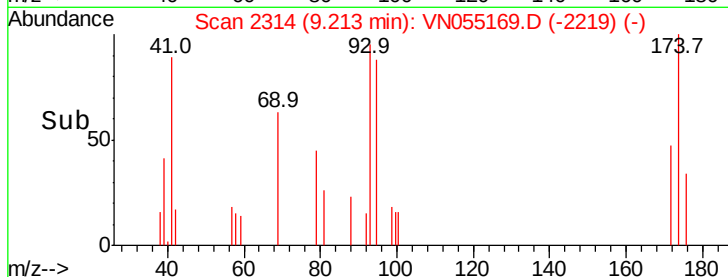
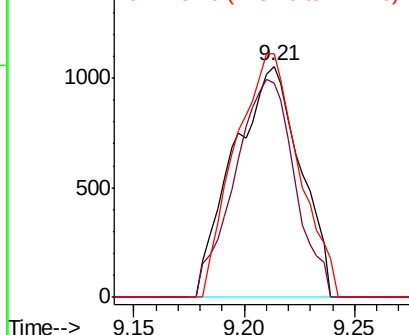
Tot Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.6	101.4
174	100.4	83.4	125.2

Manual Integrations
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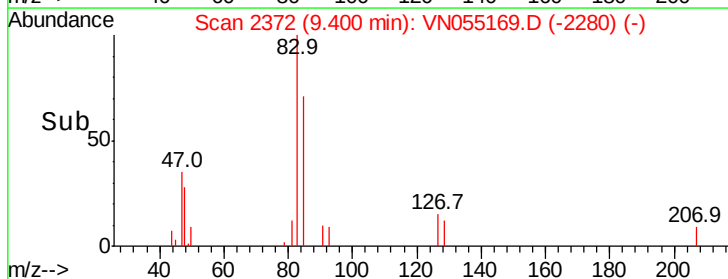
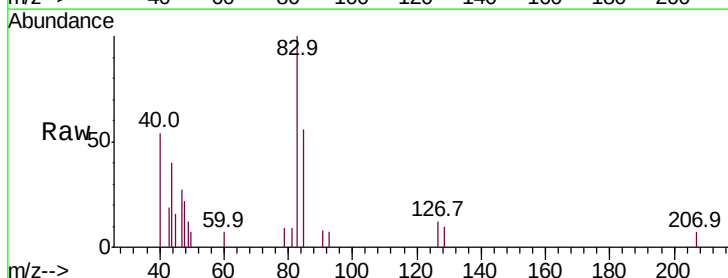
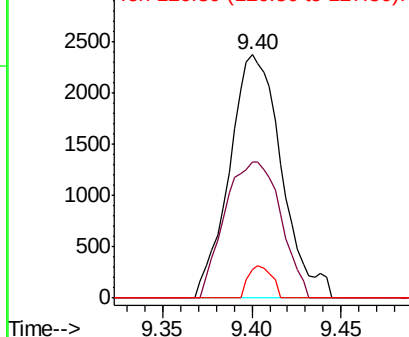
Abundance Ion 92.80 (92.50 to 93.50): VN055169.D (-2219) (-)
Ion 94.80 (94.50 to 95.50): VN055169.D (-2219) (-)
Ion 173.70 (173.40 to 174.40): VN055169.D (-2219) (-)

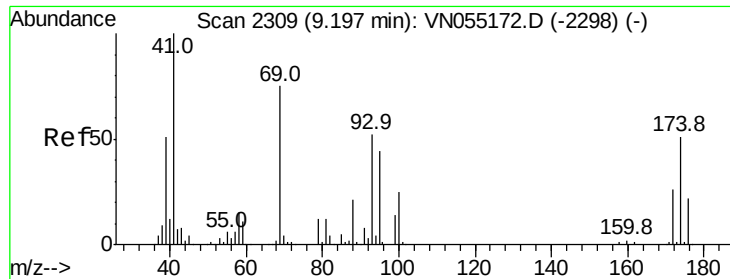


#47
Bromodichloromethane
Concen: 0.753 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.8	52.1	78.1
127	11.6	6.9	10.3#

Abundance Ion 82.90 (82.60 to 83.60): VN055169.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN055169.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN055169.D (-2280) (-)





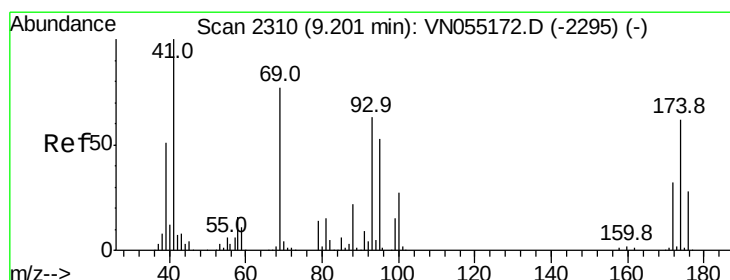
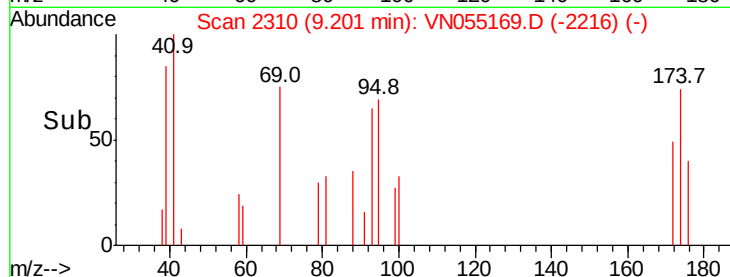
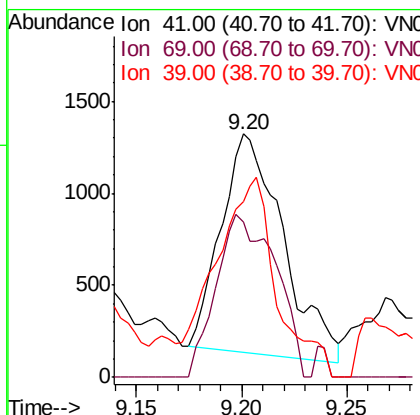
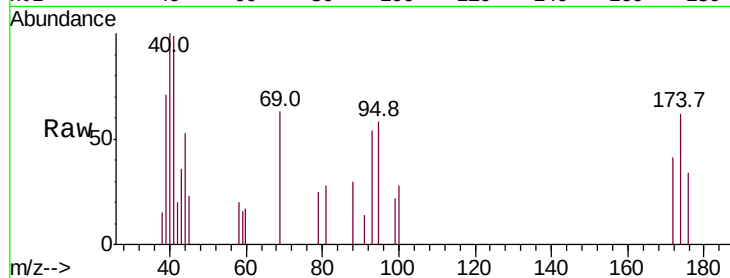
#48
Methyl methacrylate
Concen: 0.600 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	71.5	63.6	95.4
39	90.5	43.8	65.8#

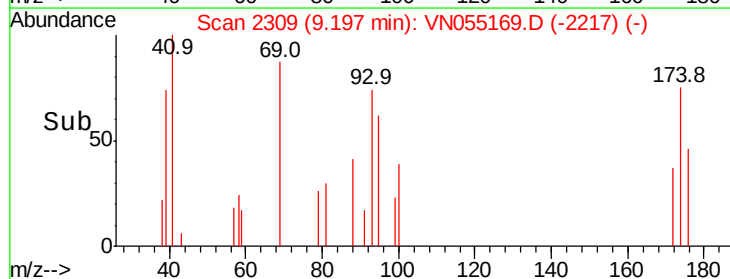
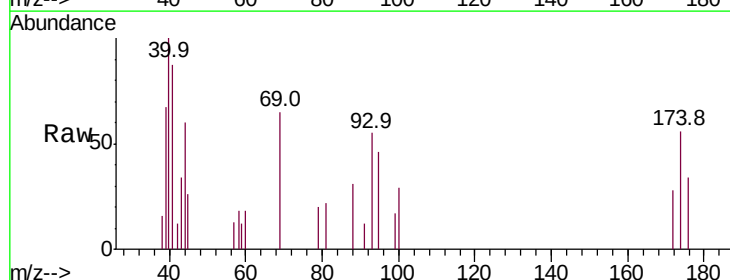
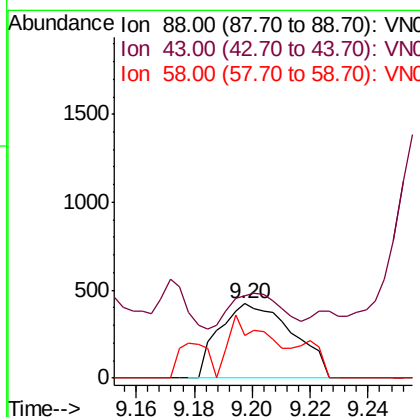
Manual Integrations
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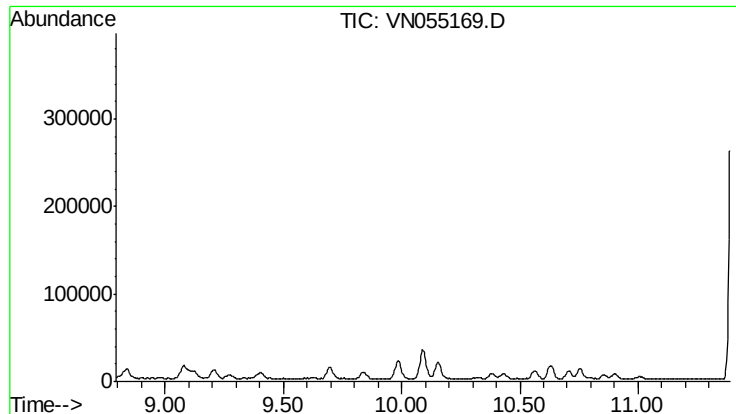
MMDadoda
4/23/2019 1:46:20 PM



#49
1,4-Dioxane
Concen: 15.997 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.3	32.0	48.0
58	48.1	60.4	90.6#





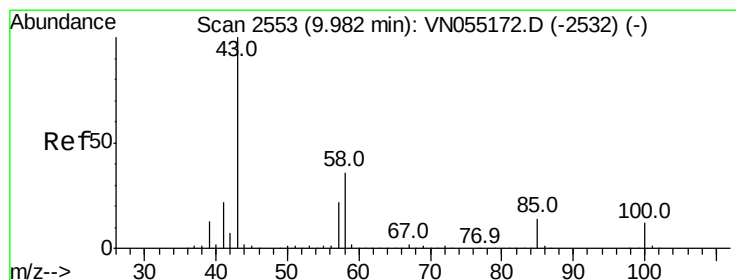
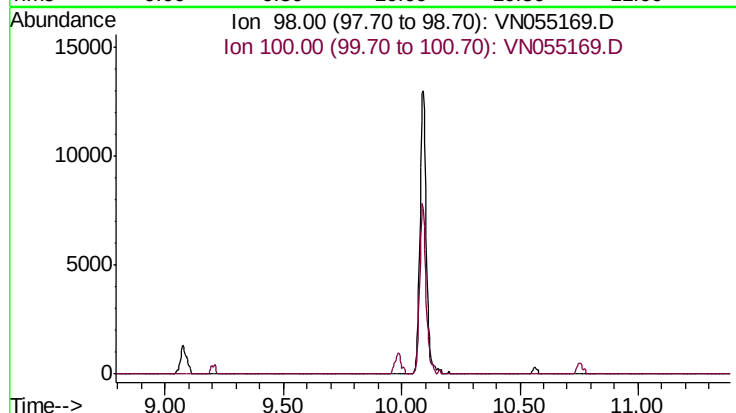
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
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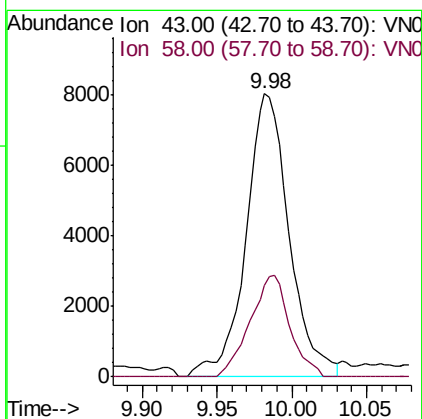
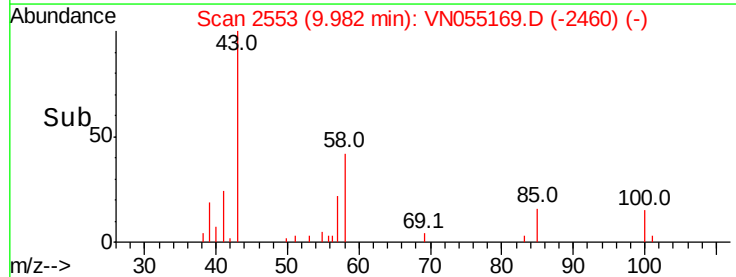
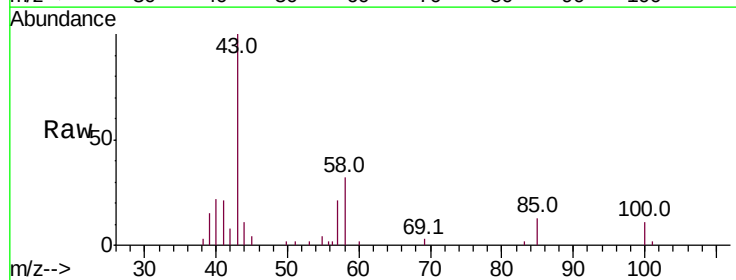
MMDadoda
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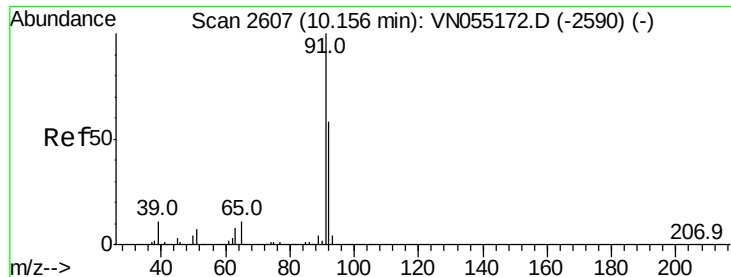
Tot Ion: 98
Sig Exp Ratio
98 100
100 64.7



#51
4-Methyl-2-Pentanone
Concen: 3.366 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 16191
Ion Ratio Lower Upper
43 100
58 32.7 28.3 42.5





#52

Toluene

Concen: 0.683 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7907

Ion Ratio Lower Upper

92 100

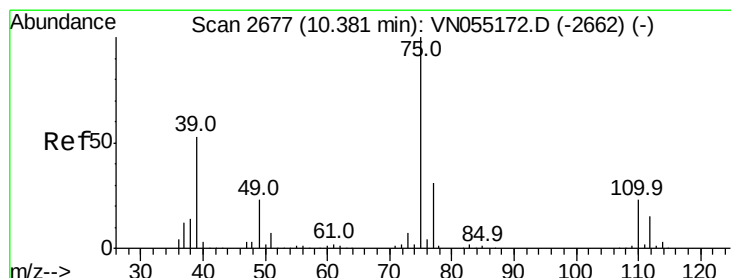
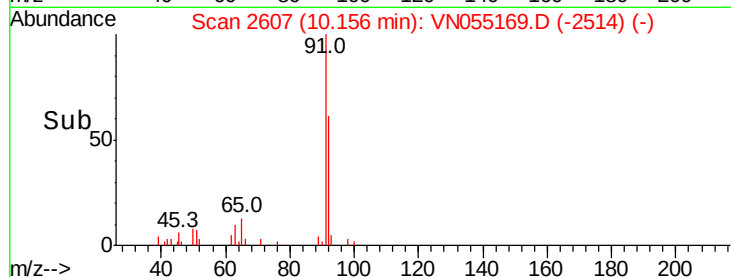
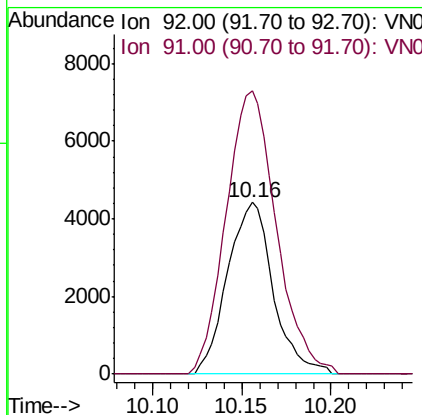
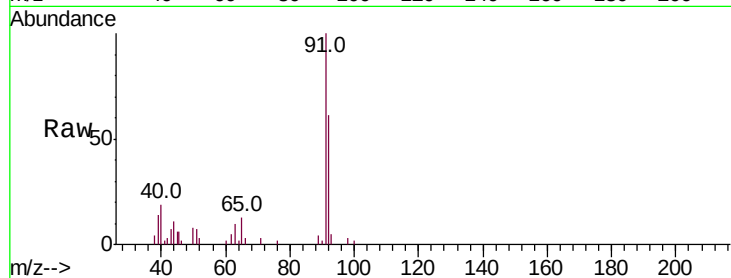
91 181.0 138.7 208.1

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#53

t-1,3-Dichloropropene

Concen: 0.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055169.D

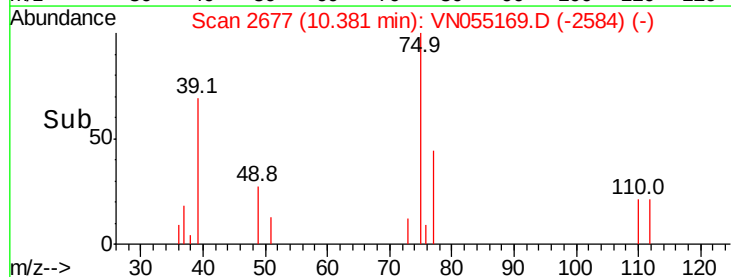
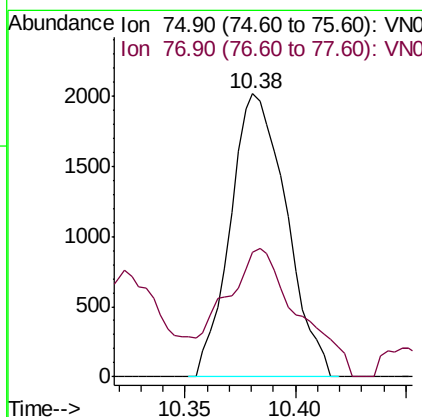
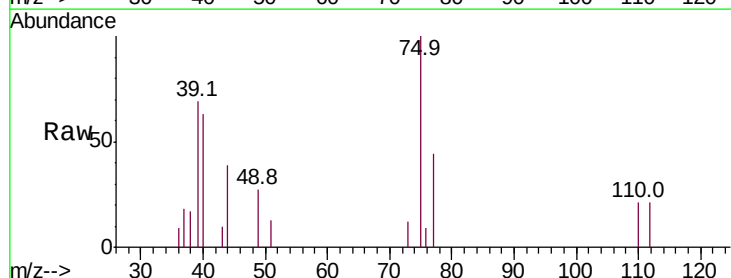
Acq: 22 Apr 2019 9:22

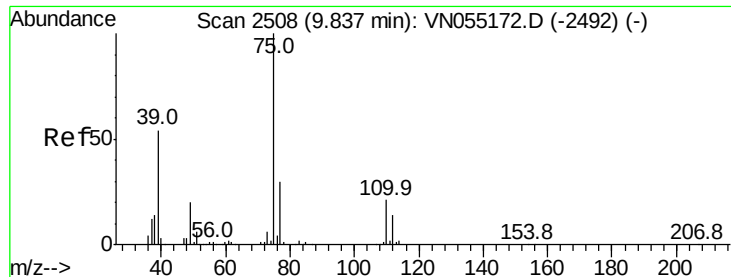
Tgt Ion: 75 Resp: 3554

Ion Ratio Lower Upper

75 100

77 33.2 25.1 37.7





#54

cis-1,3-Dichloropropene

Concen: 0.600 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

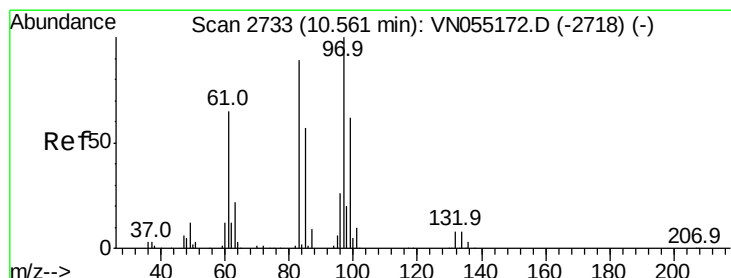
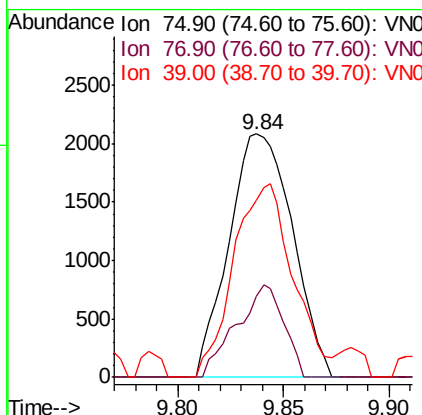
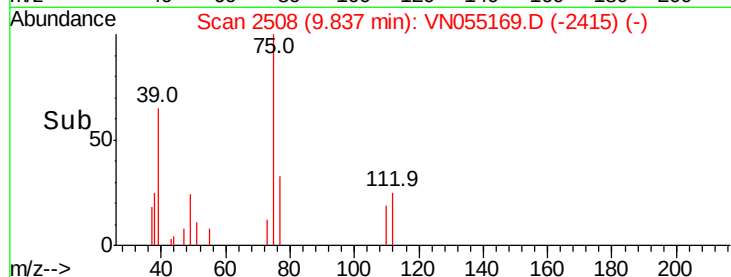
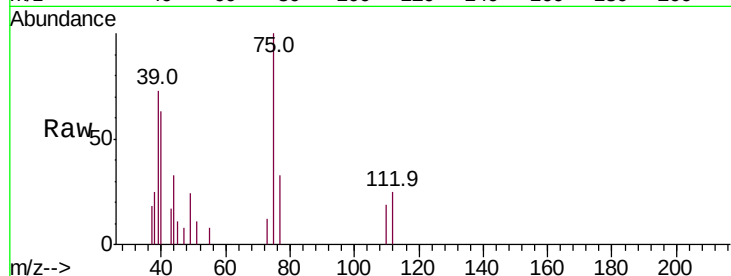
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	4363
Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.3	36.5
39	72.8	43.0	64.4#

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.746 ug/l

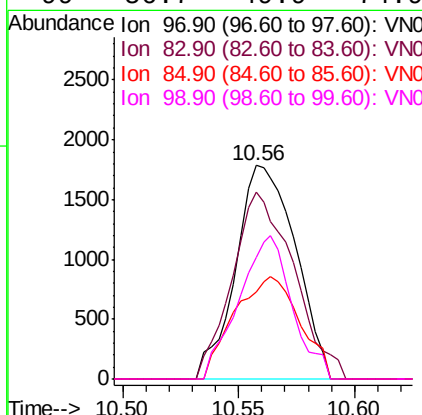
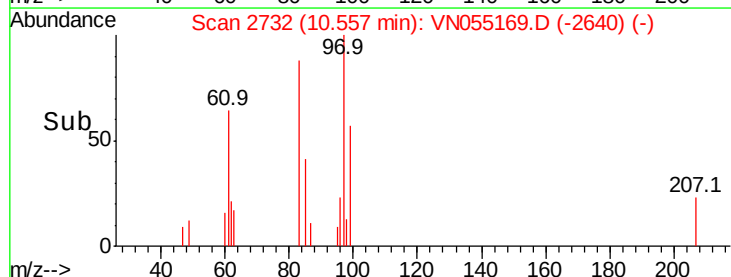
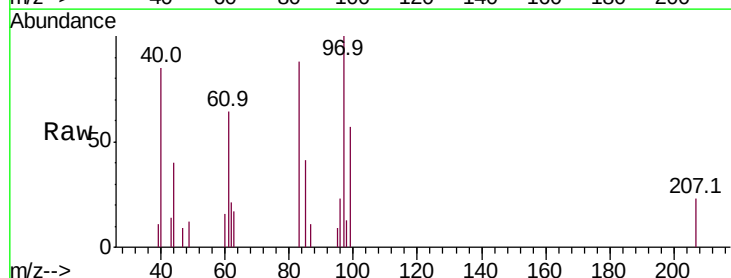
RT: 10.56 min Scan# 2732

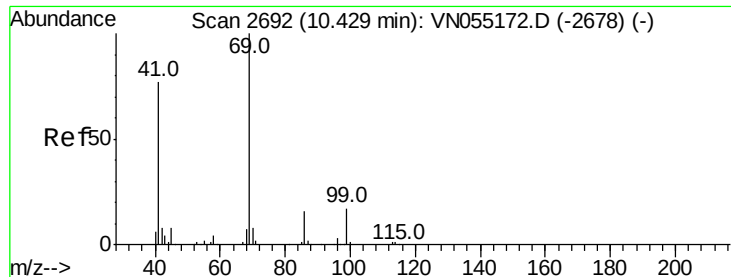
Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	97	Resp:	3182
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.5	107.3
85	40.8	45.8	68.6#
99	56.7	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.553 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

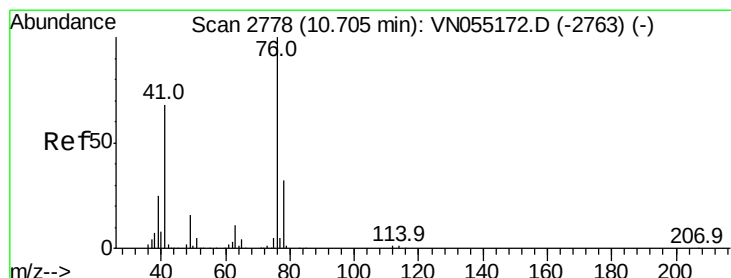
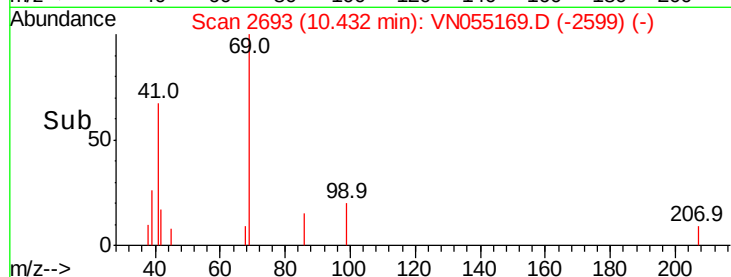
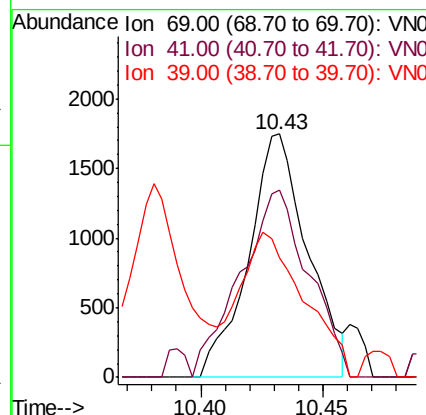
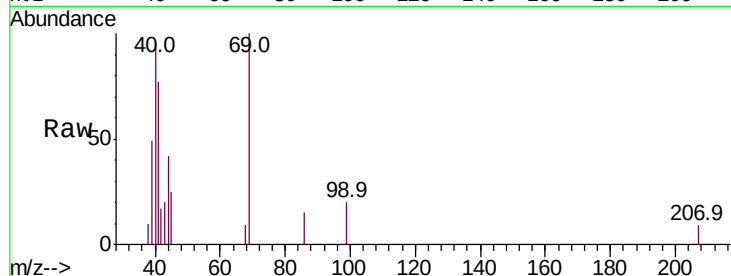
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	2941
Ion Ratio	Lower	Upper	
69	100		
41	88.8	60.6	90.8
39	65.6	31.7	47.5#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.739 ug/l

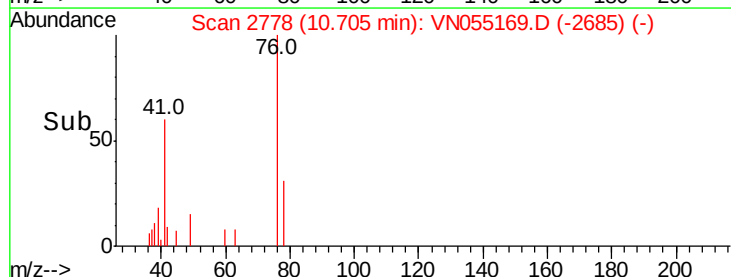
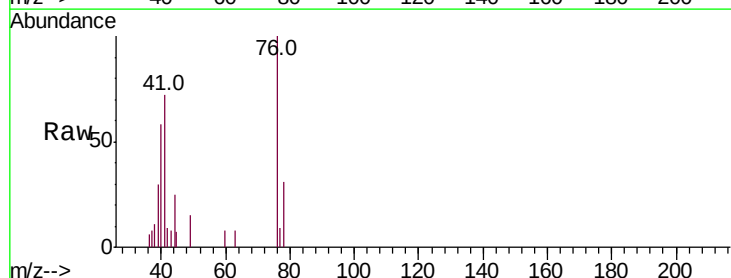
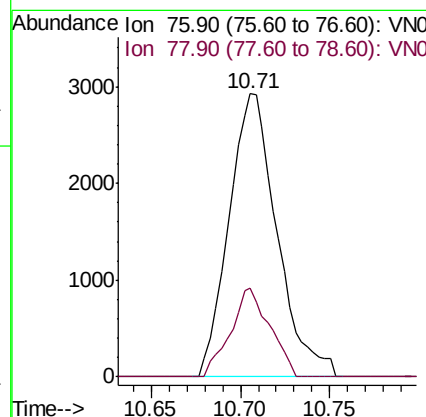
RT: 10.71 min Scan# 2778

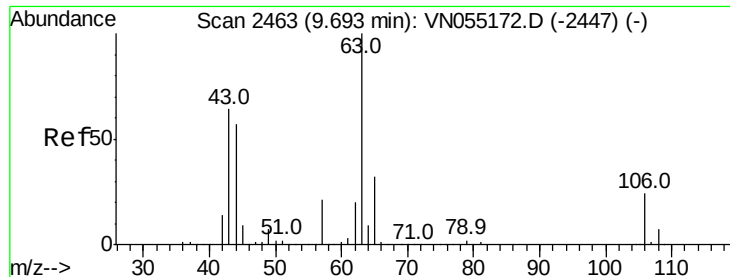
Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	76	Resp:	5483
Ion Ratio	Lower	Upper	
76	100		
78	25.6	25.3	37.9





#58

2-Chloroethyl Vinyl ether

Concen: 3.594 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 6159

Ion Ratio Lower Upper

63 100

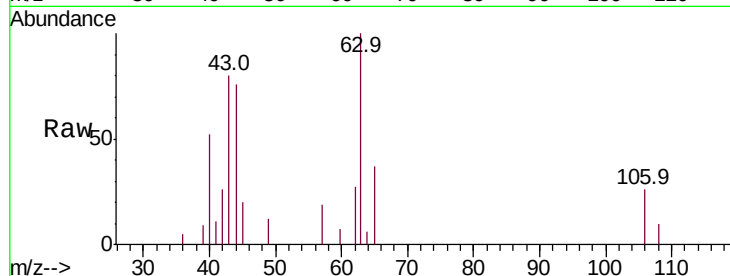
106 24.5 19.4 29.0

Manual Integrations

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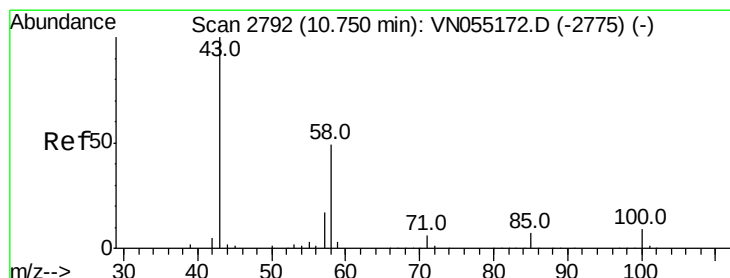
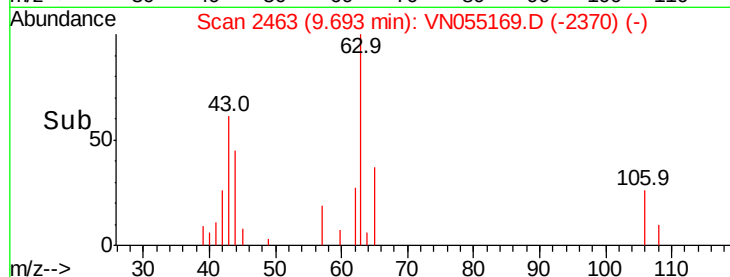
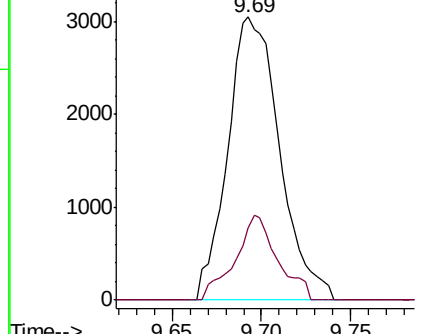
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Abundance Ion 62.90 (62.60 to 63.60): VN055172.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN055172.D (-2447) (-)



#59

2-Hexanone

Concen: 2.652 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055169.D

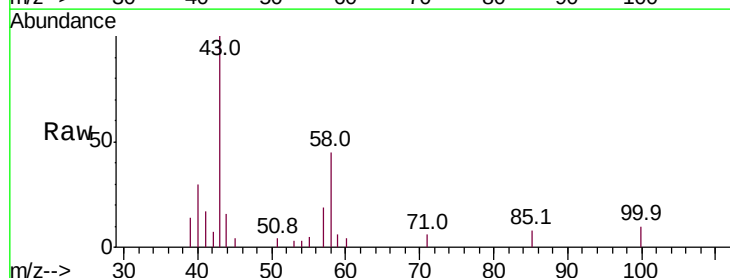
Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 8058

Ion Ratio Lower Upper

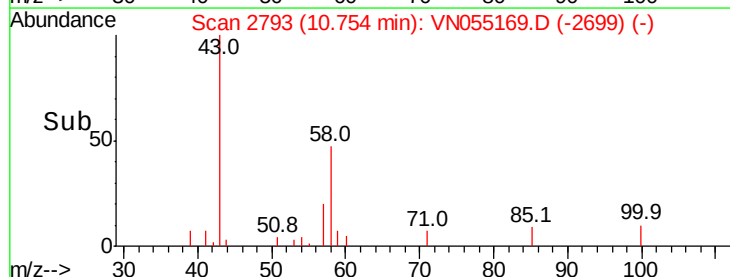
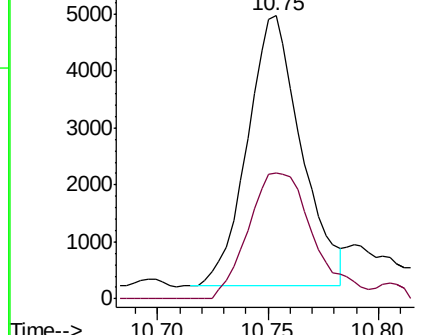
43 100

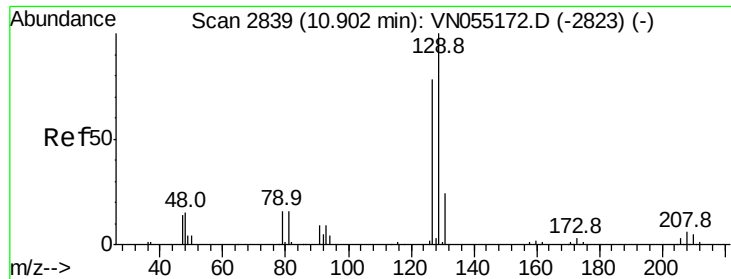
58 56.2 24.5 73.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2775) (-)





#60

Dibromochloromethane

Concen: 0.711 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3125

Ion Ratio Lower Upper

129 100

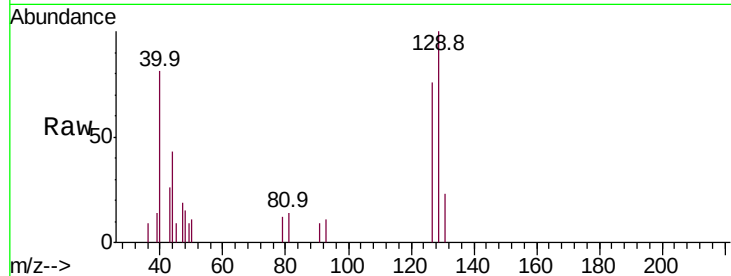
127 80.1 39.0 117.0

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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

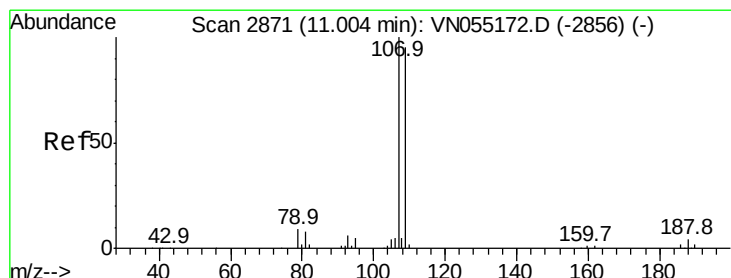
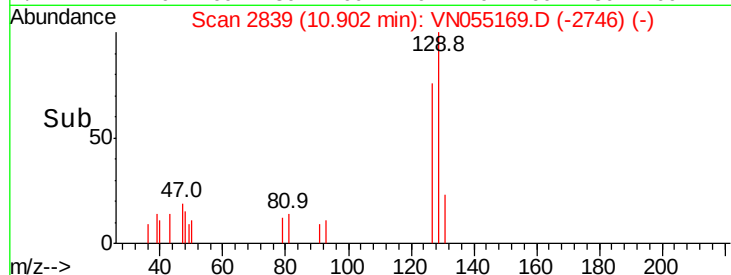
1500

1000

500

0

Time--> 10.85 10.90 10.95



#61

1,2-Dibromoethane

Concen: 0.590 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN055169.D

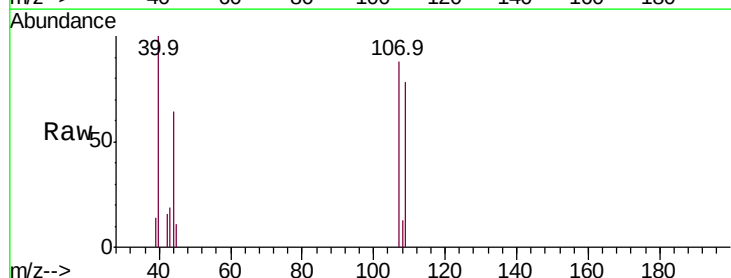
Acq: 22 Apr 2019 9:22

Tgt Ion:107 Resp: 2366

Ion Ratio Lower Upper

107 100

109 99.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

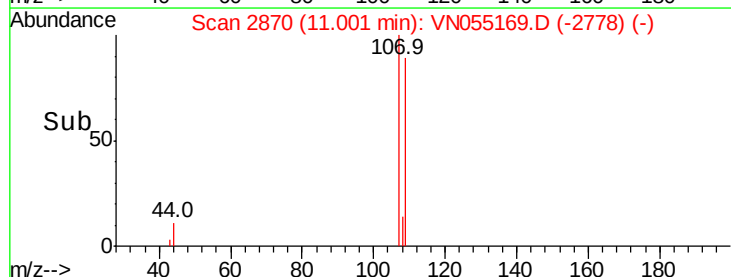
1500

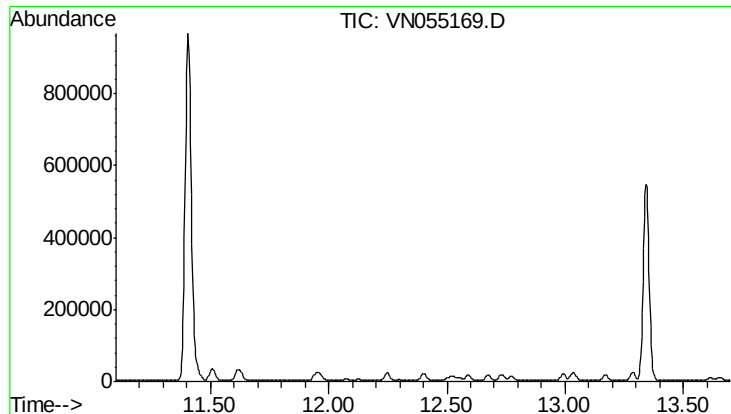
1000

500

0

Time--> 10.95 11.00 11.05





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tot Ion	95
Sig	Exp Ratio
95	100
174	84.2
176	82.0

Instrument :

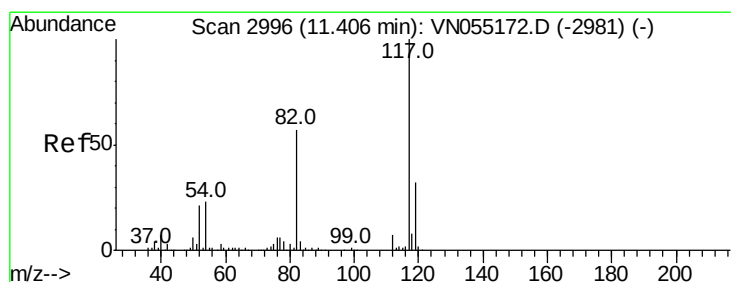
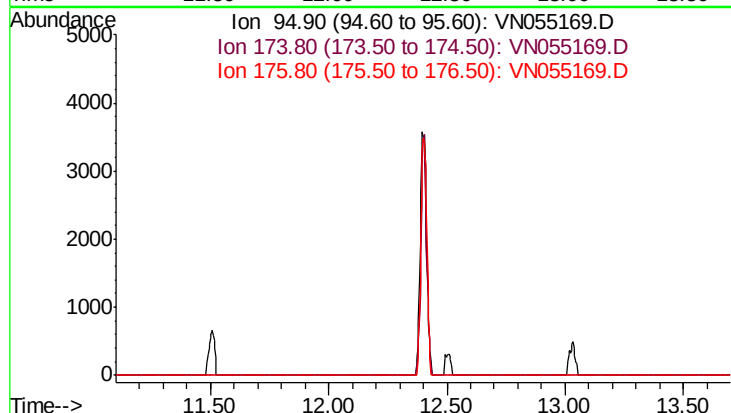
MSVOA_N

ClientSampleId :

VSTDIC001

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

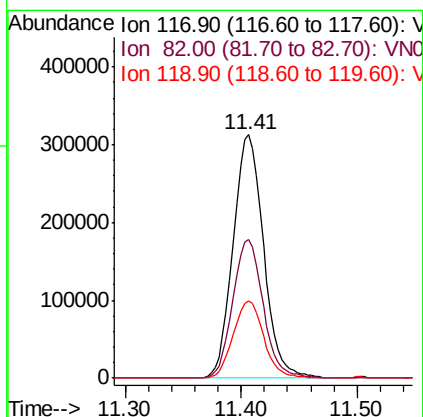
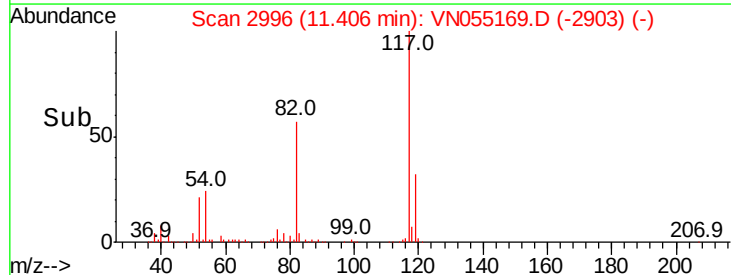
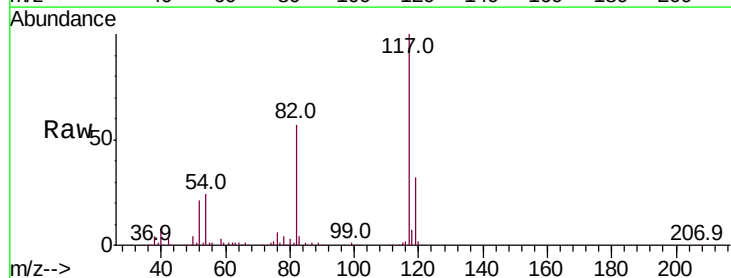
RT: 11.41 min Scan# 2996

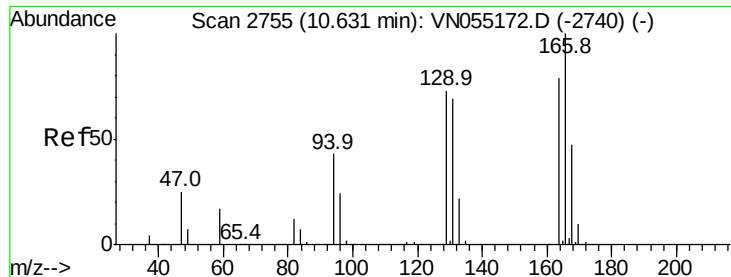
Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion	117	Resp	567665
Ion Ratio	Lower	Upper	
117	100		
82	57.0	45.7	68.5
119	31.8	25.4	38.2





#64

Tetrachloroethene

Concen: 0.796 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

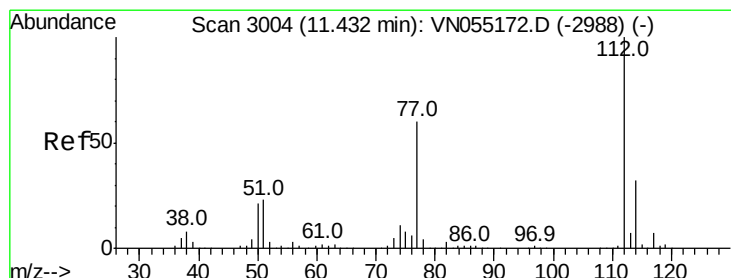
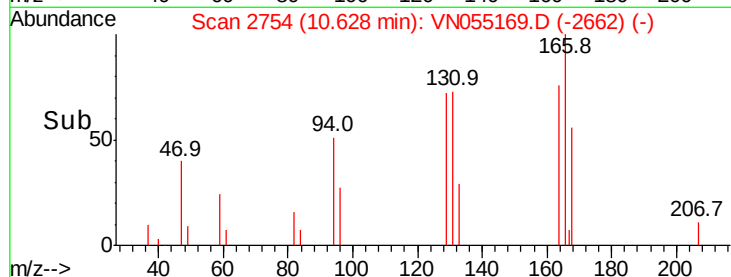
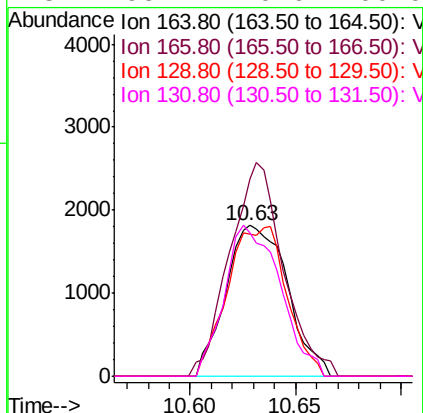
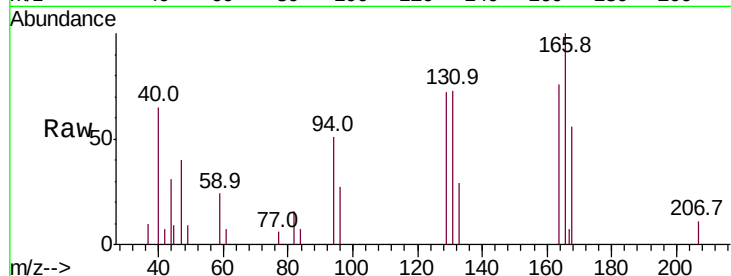
ClientSampleId :

VSTDIC001

Tot Ion:	164	Resp:	3686
Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	94.6	74.1	111.1
131	95.7	70.6	106.0

Manual Integrations
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#65

Chlorobenzene

Concen: 0.780 ug/l

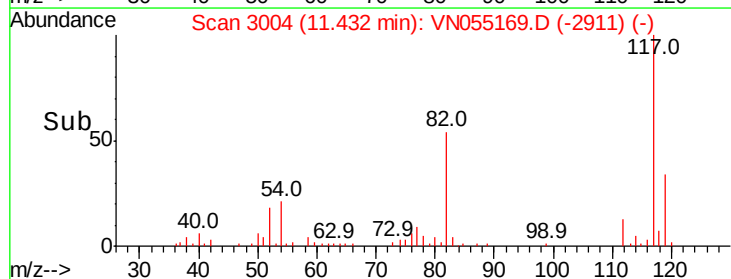
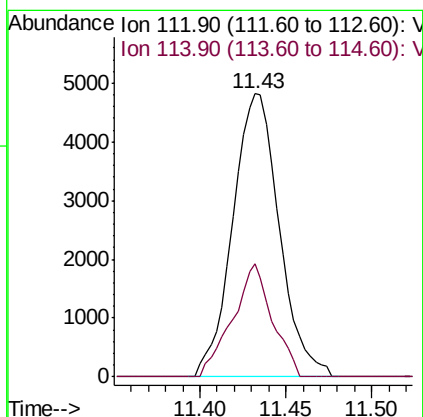
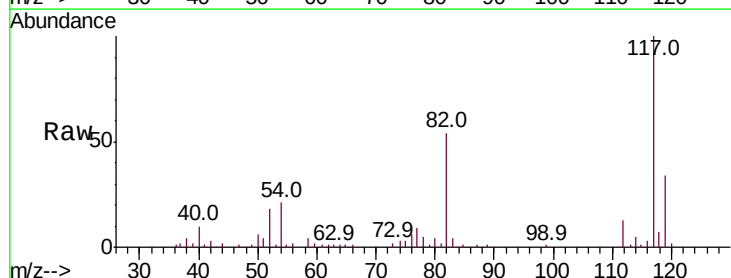
RT: 11.43 min Scan# 3004

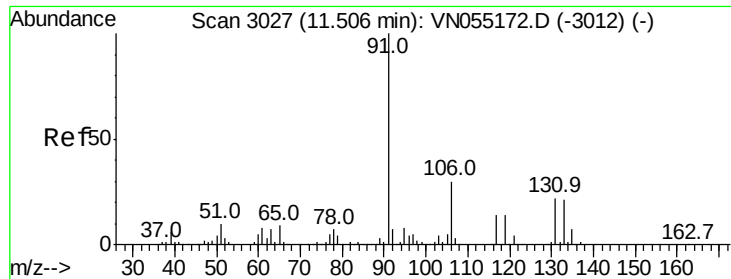
Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	112	Resp:	9043
Ion	Ratio	Lower	Upper
112	100		
114	40.0	25.4	38.0#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.804 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

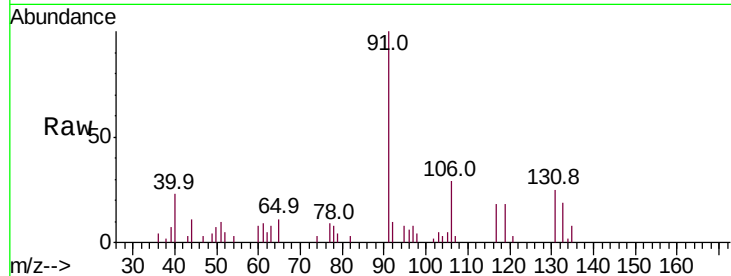
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	87.9	47.7	143.1
119	0.0	33.2	99.6#

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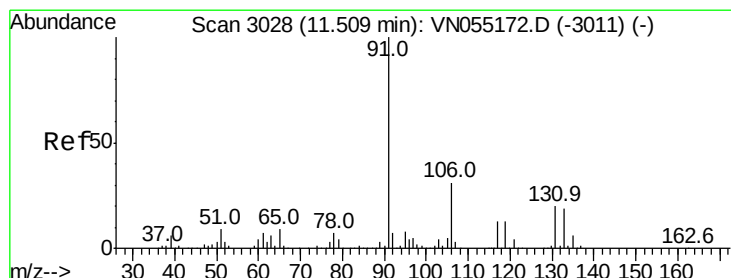
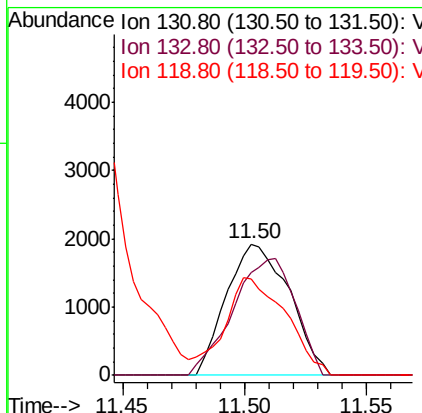
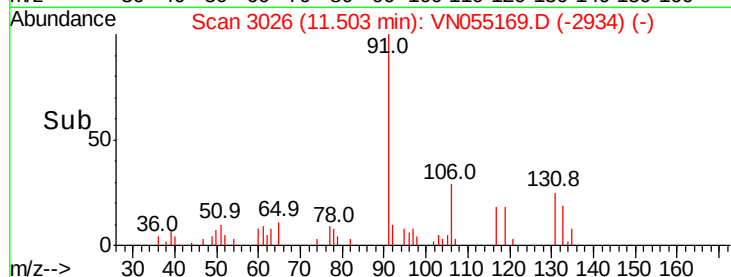
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.724 ug/l

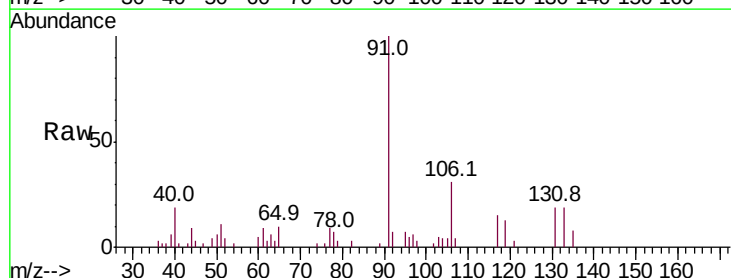
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055169.D

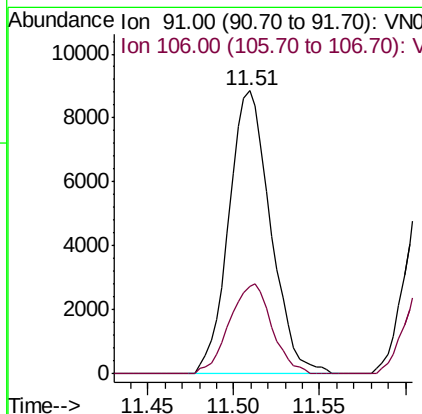
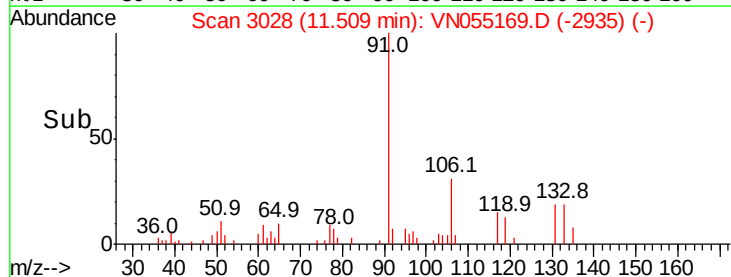
Acq: 22 Apr 2019 9:22

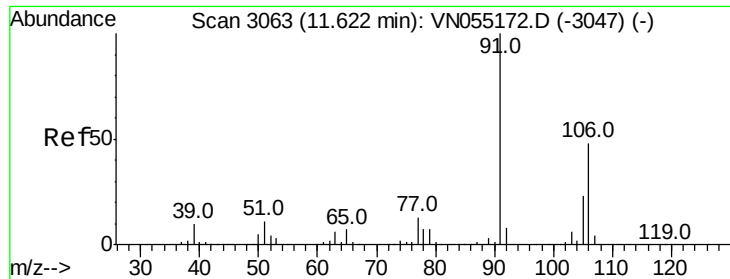
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





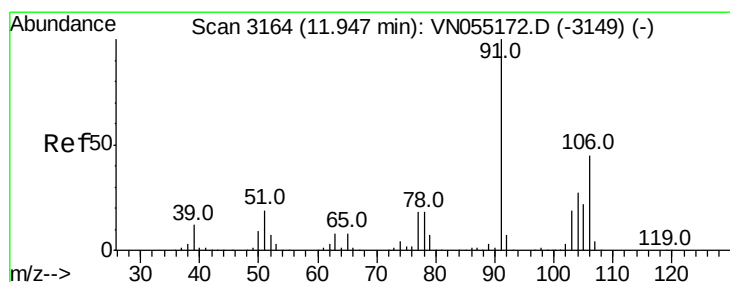
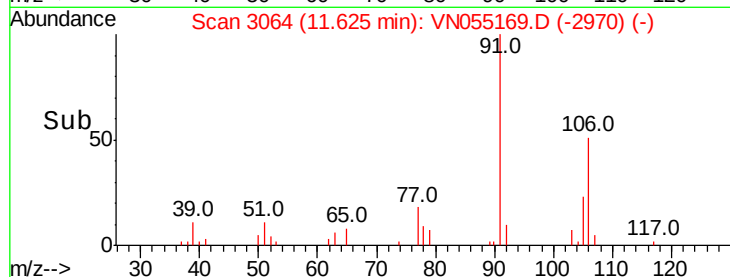
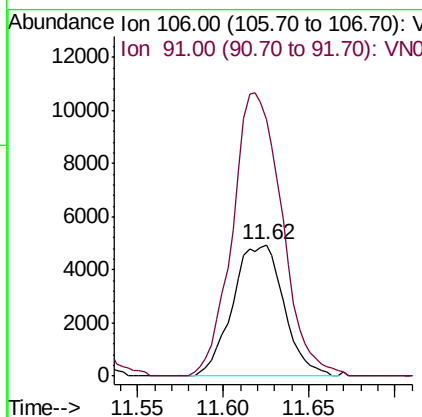
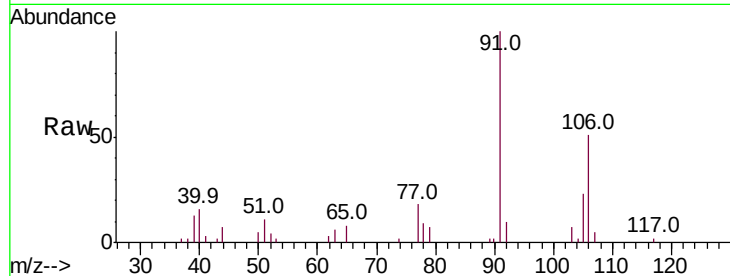
#68
m/p-Xylenes
Concen: 1.379 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10208
Ion Ratio Lower Upper
106 100
91 209.4 167.1 250.7

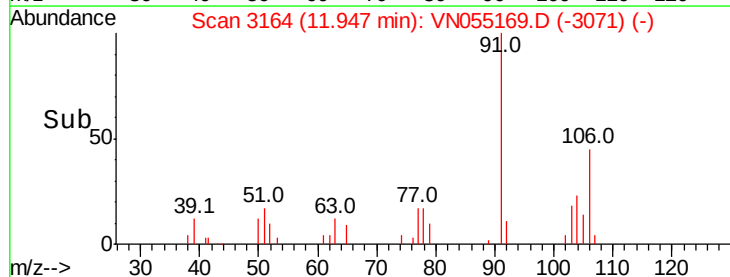
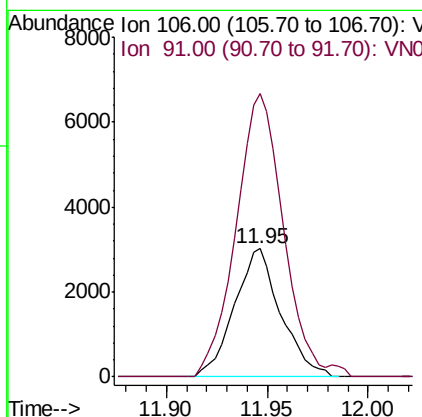
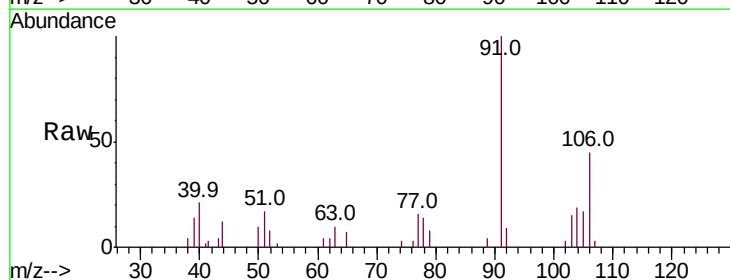
Manual Integrations
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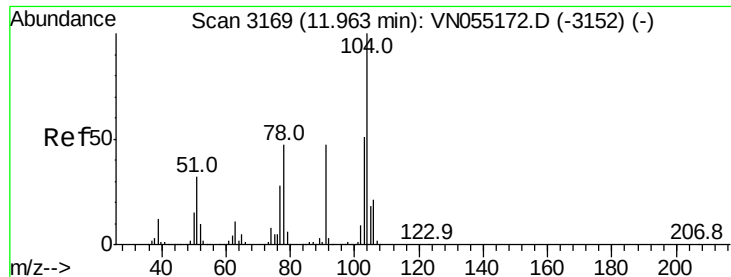
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#69
o-Xylene
Concen: 0.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion:106 Resp: 4846
Ion Ratio Lower Upper
106 100
91 227.0 110.6 331.8





#70

Stvrene

Concen: 0.629 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

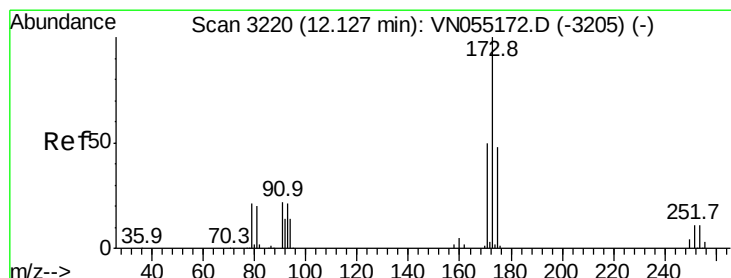
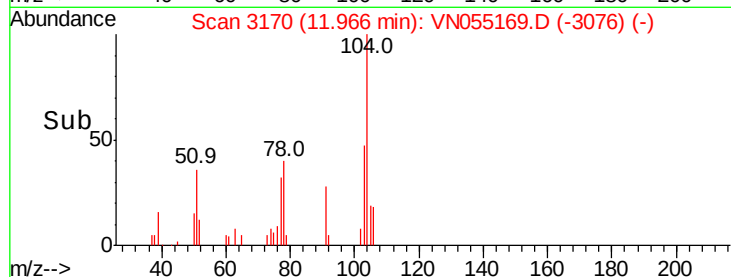
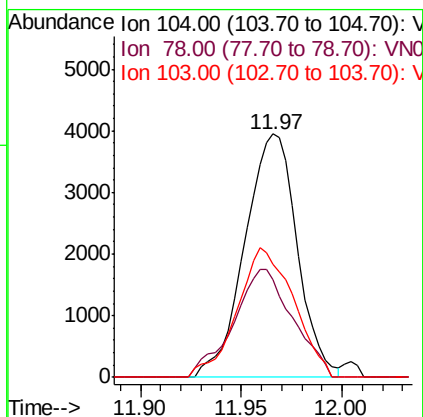
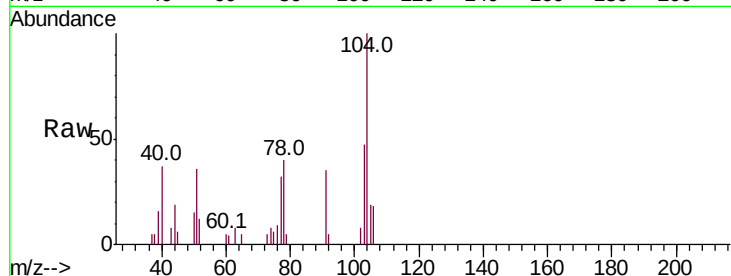
ClientSampled :

VSTDIC001

Tot Ion:	104	Resp:	7166
Ion Ratio	Lower	Upper	
104	100		
78	49.8	41.3	61.9
103	57.3	44.2	66.4

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#71

Bromoform

Concen: 0.713 ug/l

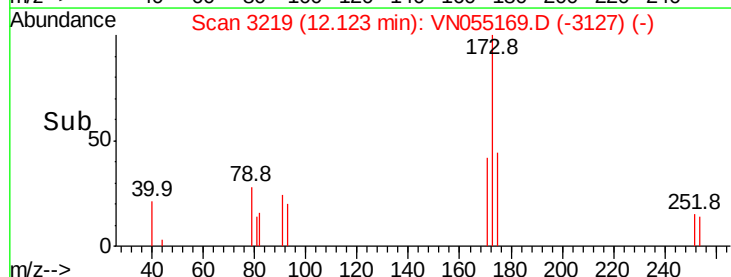
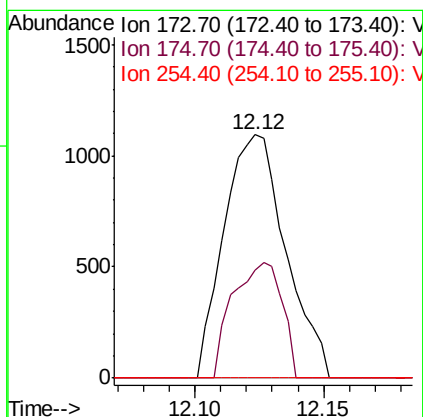
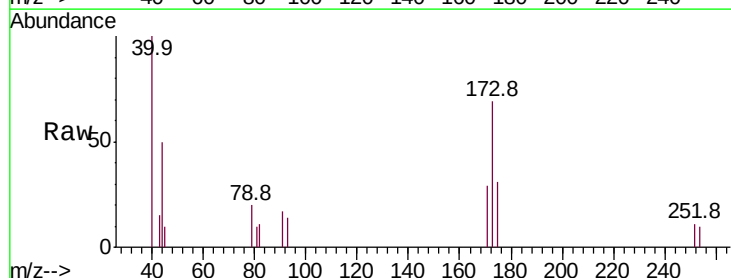
RT: 12.12 min Scan# 3219

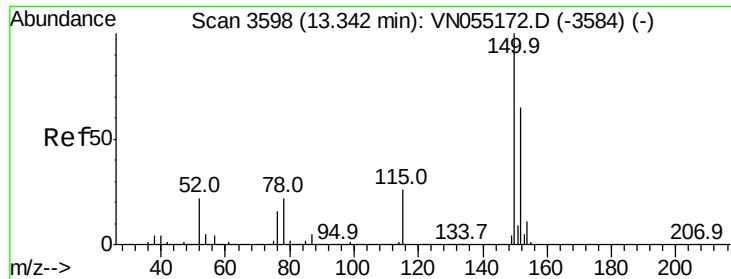
Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	173	Resp:	1826
Ion Ratio	Lower	Upper	
173	100		
175	38.0	23.8	71.2
254	0.0	0.1	0.1#





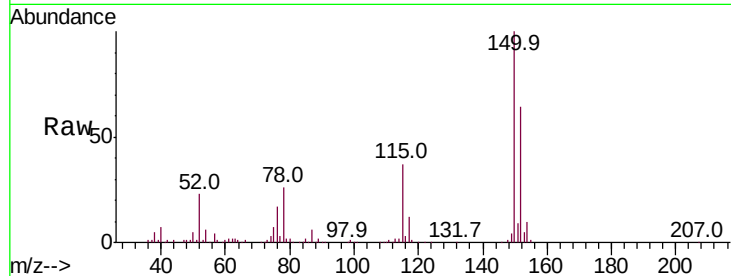
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	158.5	0.0	346.6

Manual Integrations
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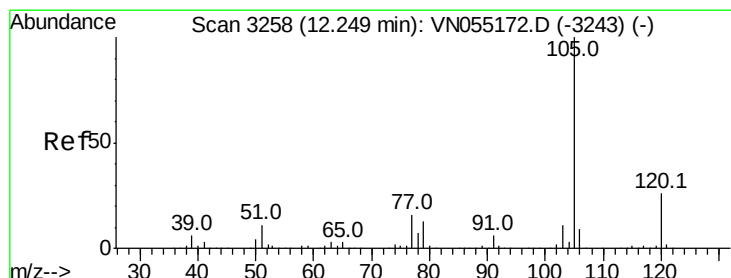
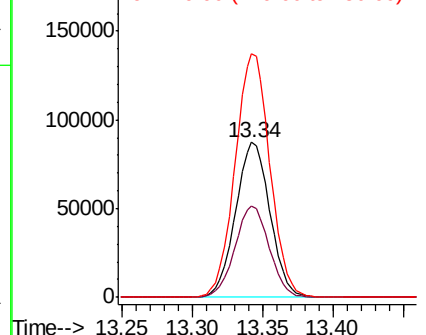
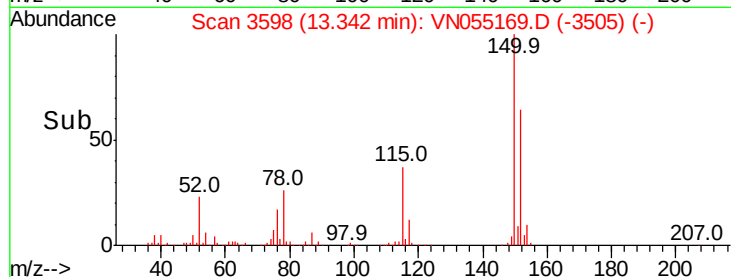


Abundance

Ion 151.90 (151.60 to 152.60): V

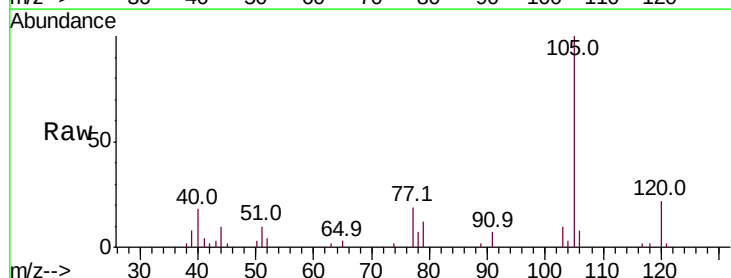
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 0.952 ug/l
 RT: 12.25 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

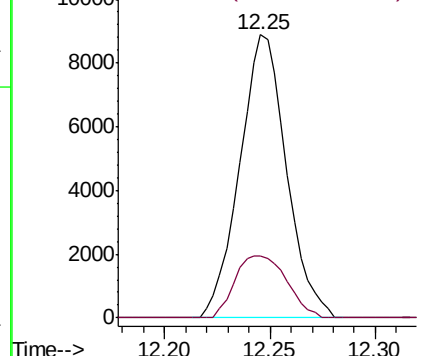
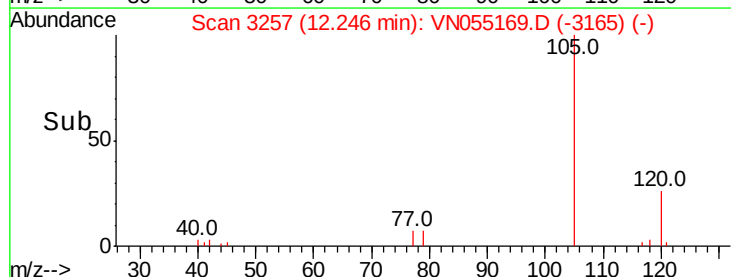
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.1	13.1	39.1

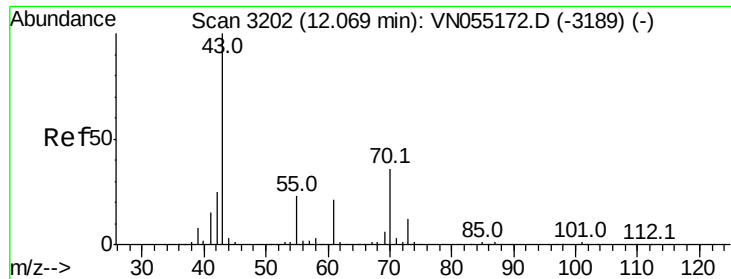


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.971 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

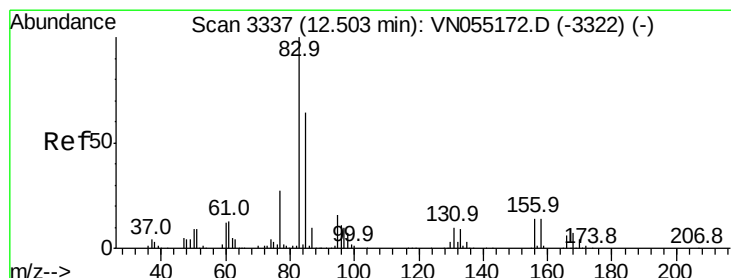
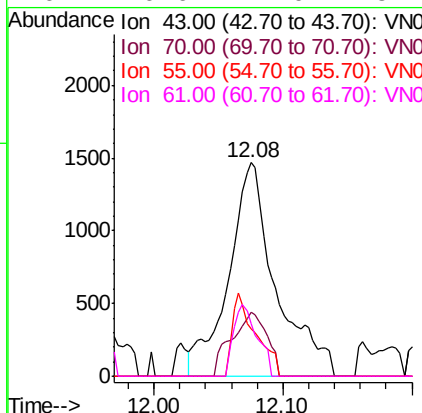
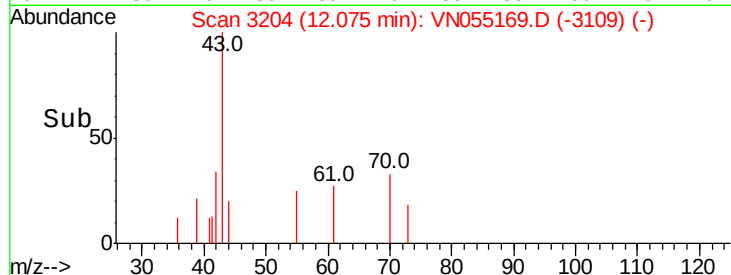
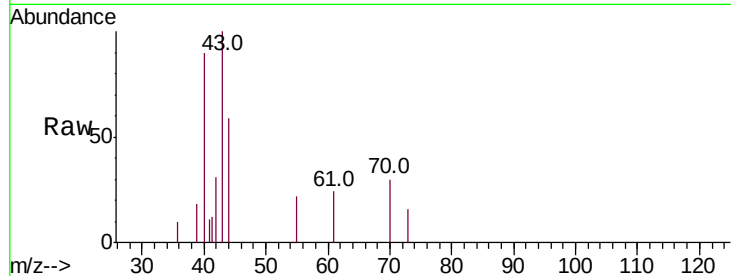
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	3744
Ion	Ratio	Lower	Upper
43	100		
70	22.5	29.0	43.6#
55	19.3	18.5	27.7
61	16.6	17.0	25.4#

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.904 ug/l

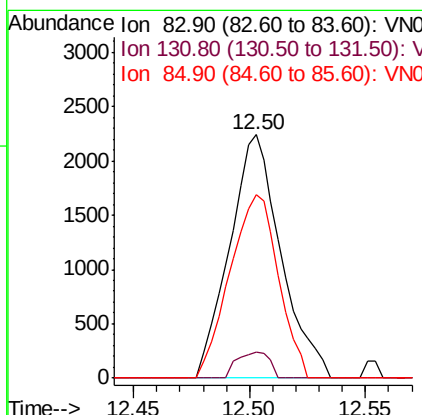
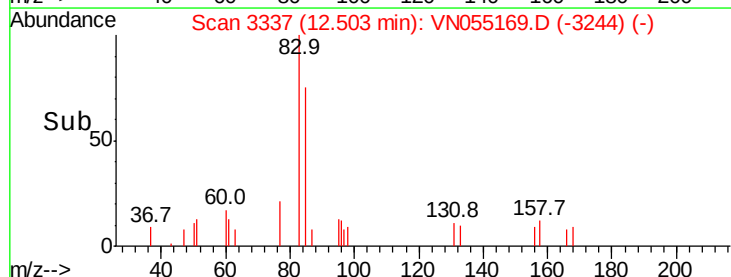
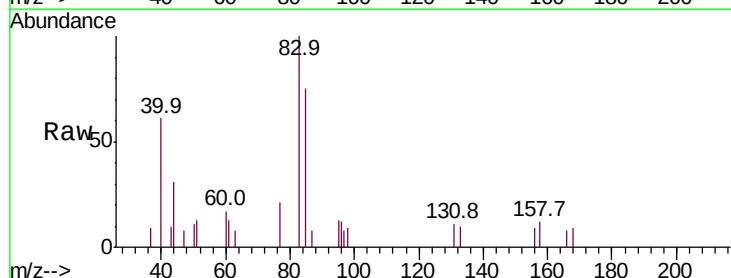
RT: 12.50 min Scan# 3337

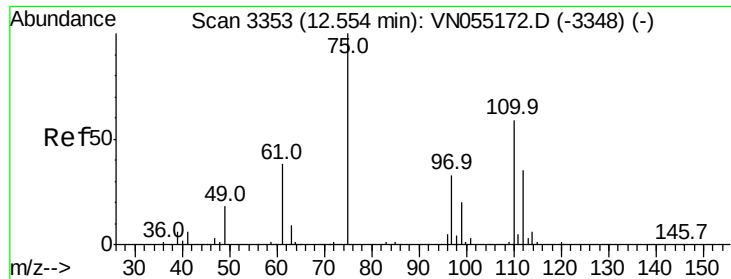
Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	83	Resp:	3435
Ion	Ratio	Lower	Upper
83	100		
131	6.7	5.0	15.0
85	71.4	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.052 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 2948

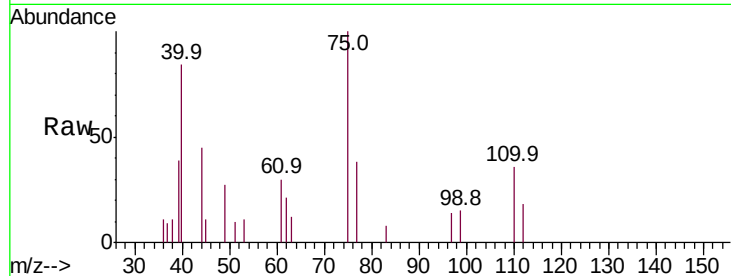
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

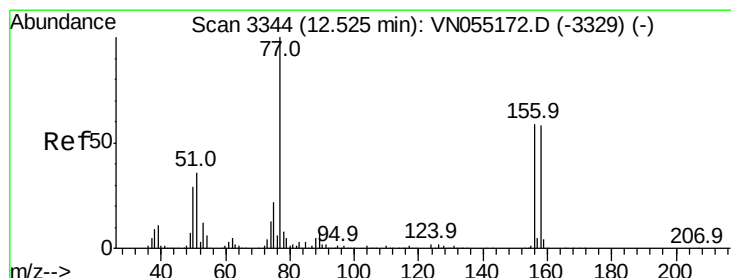
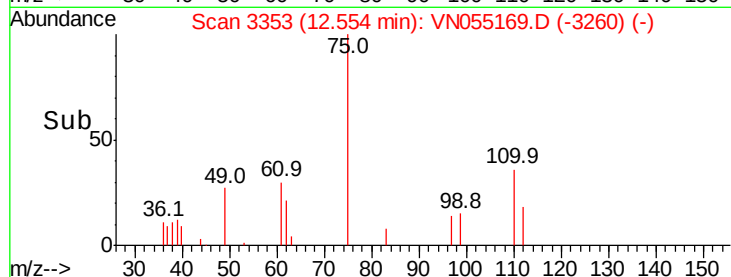
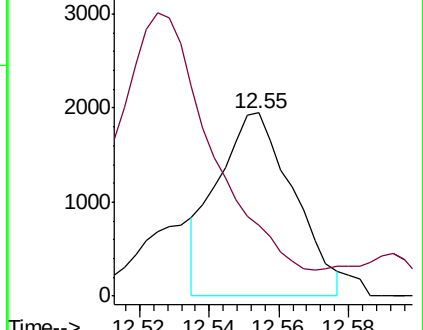
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Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-3348) (-)



#77

Bromobenzene

Concen: 0.826 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

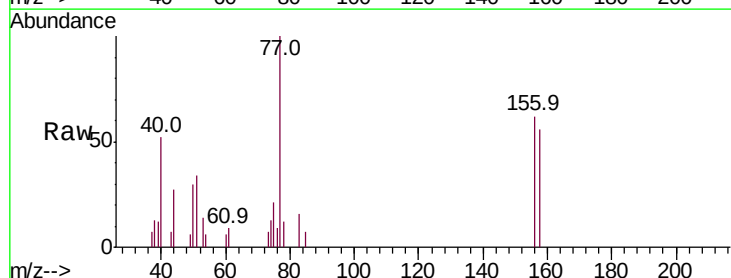
Tgt Ion: 156 Resp: 2726

Ion Ratio Lower Upper

156 100

77 226.1 98.0 293.9

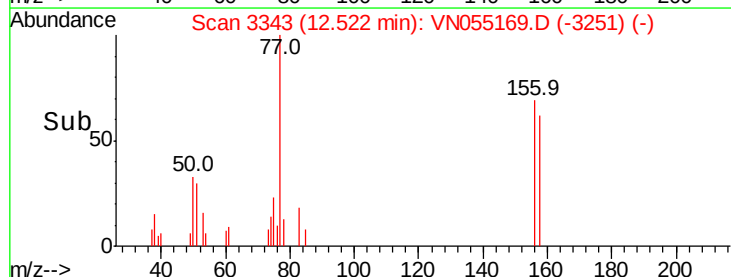
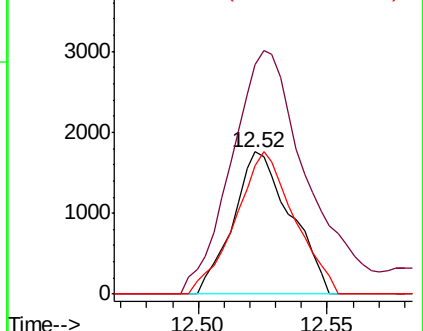
158 102.7 48.9 146.8

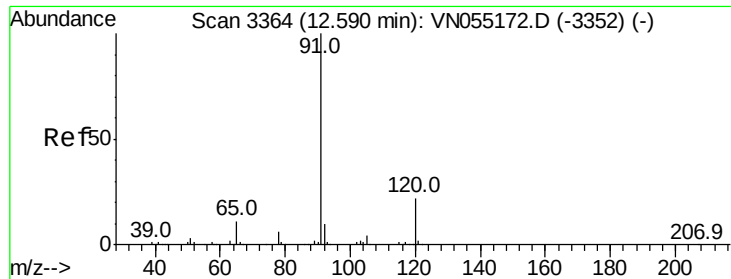


Abundance Ion 155.80 (155.50 to 156.50): VN055172.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055172.D (-3329) (-)





#78

n-propylbenzene

Concen: 0.814 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 12207

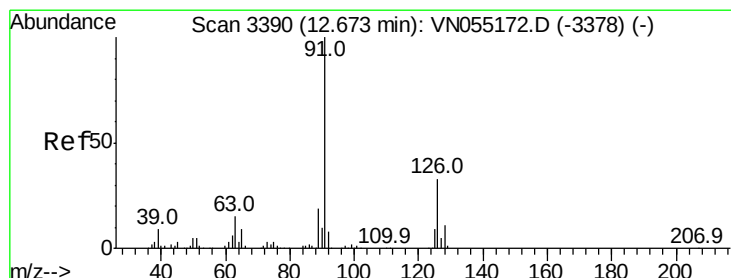
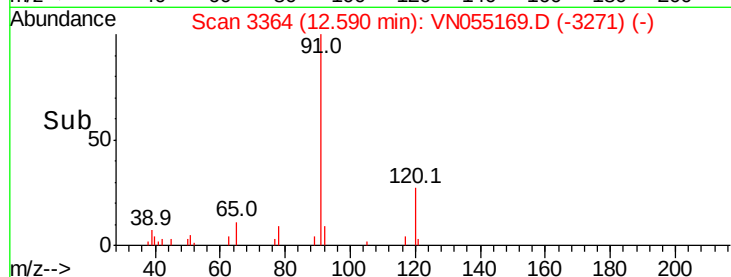
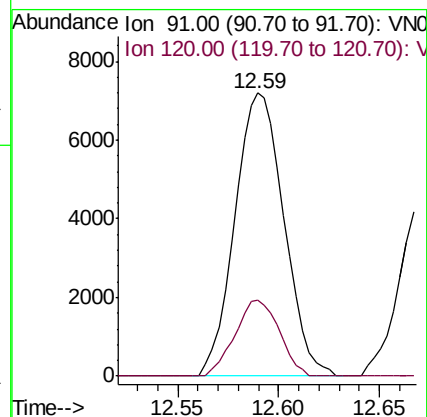
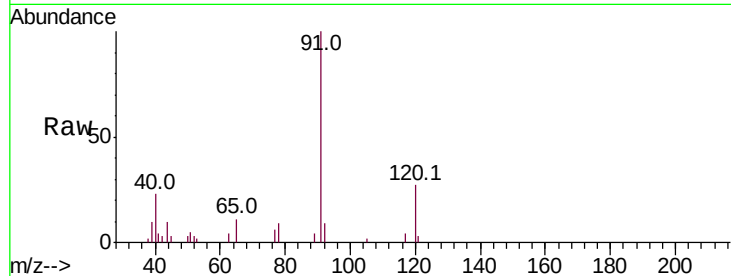
Ion Ratio Lower Upper

91 100

120 24.3 11.3 33.9

Manual Integrations
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#79

2-Chlorotoluene

Concen: 0.898 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055169.D

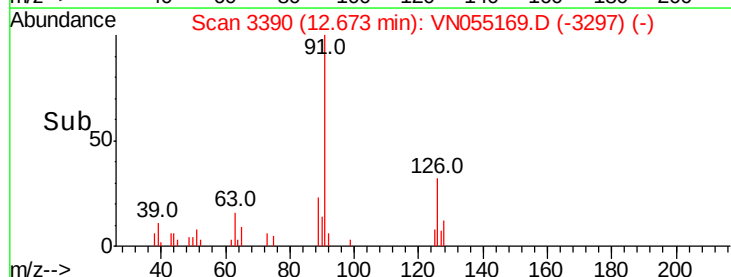
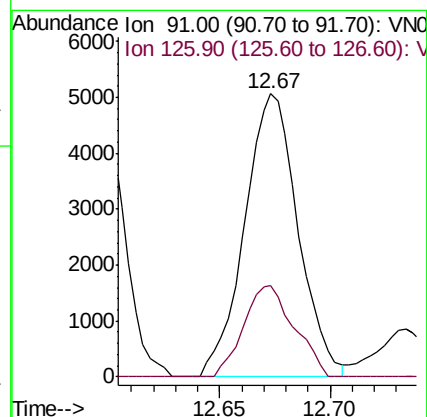
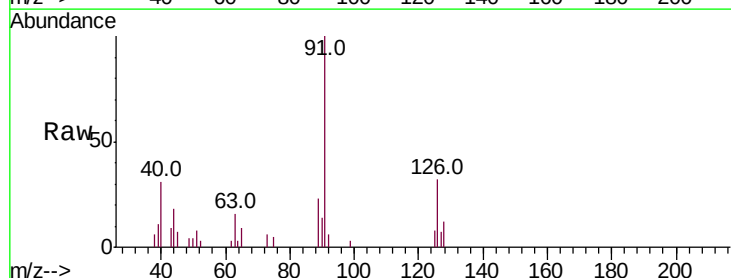
Acq: 22 Apr 2019 9:22

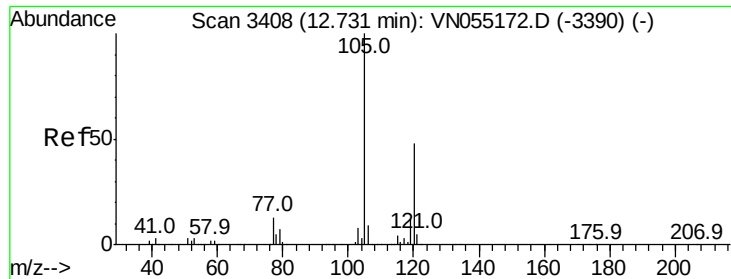
Tgt Ion: 91 Resp: 8506

Ion Ratio Lower Upper

91 100

126 30.5 16.8 50.3





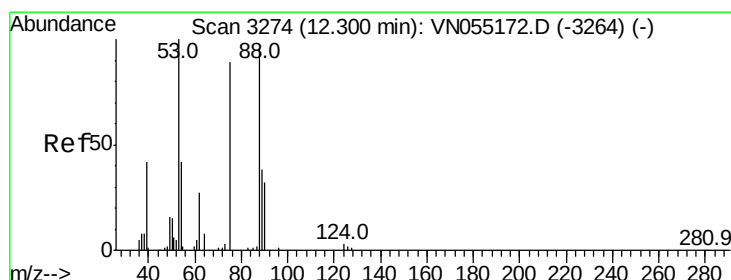
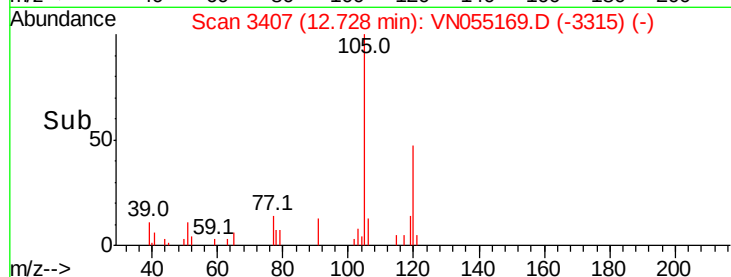
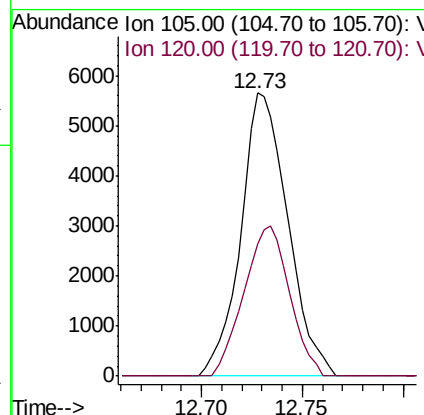
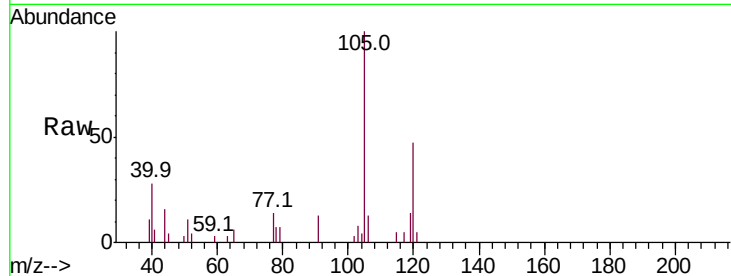
#80
 1,3,5-Trimethylbenzene
 Concen: 0.824 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.4	23.9	71.7

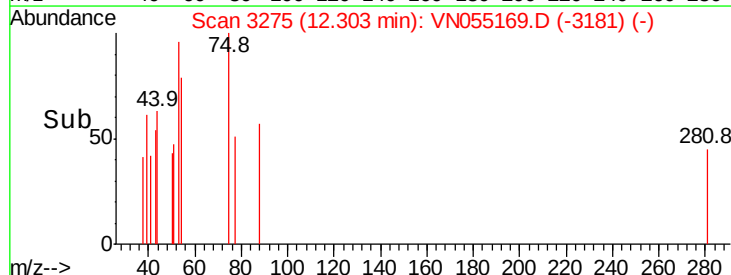
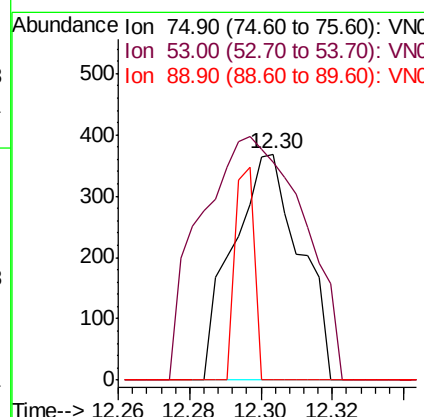
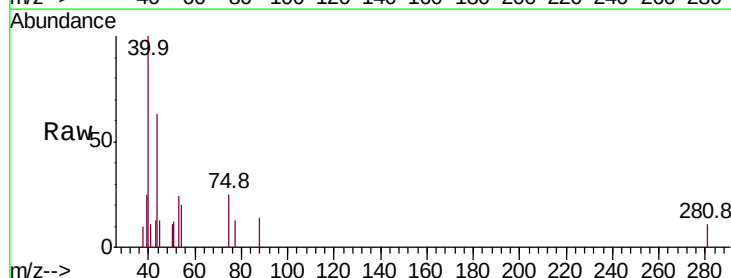
Manual Integrations
 APPROVED

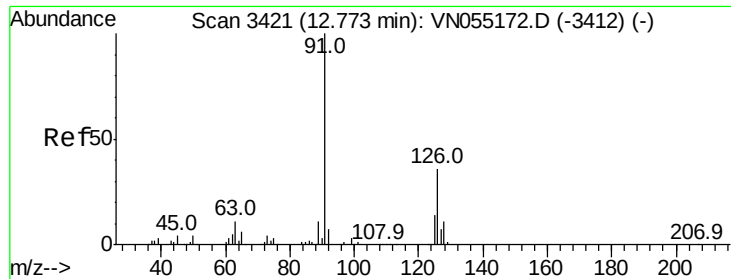
MMDadoda
 4/23/2019 1:46:20 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.596 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	166.5	90.1	135.1#
89	27.3	36.7	55.1#





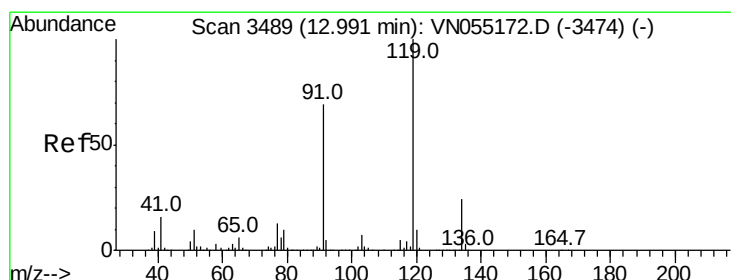
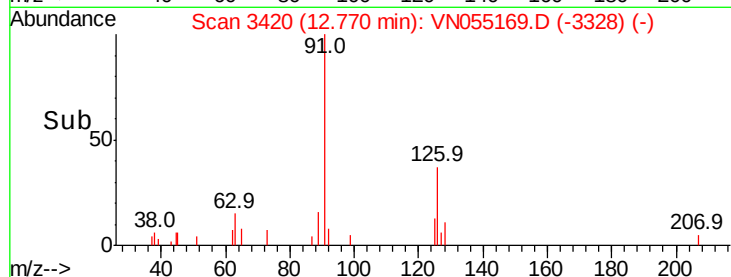
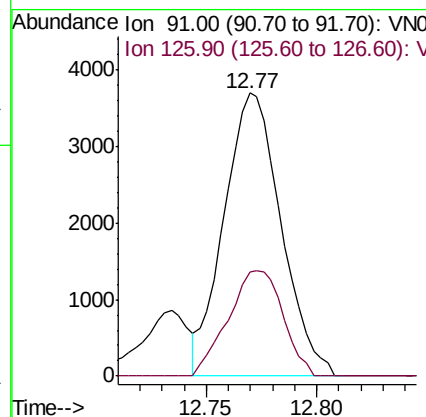
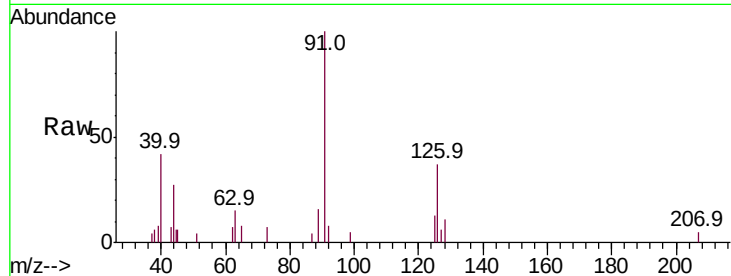
#82
4-Chlorotoluene
Concen: 0.761 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 6629
Ion Ratio Lower Upper
91 100
126 35.8 16.5 49.5

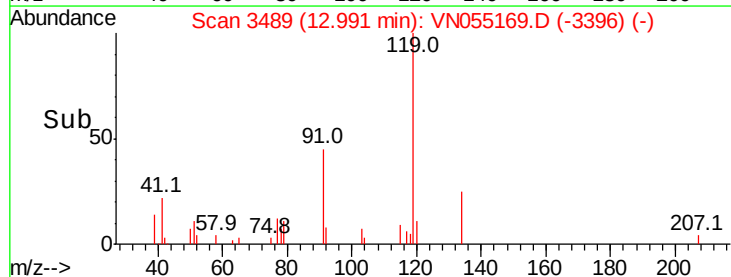
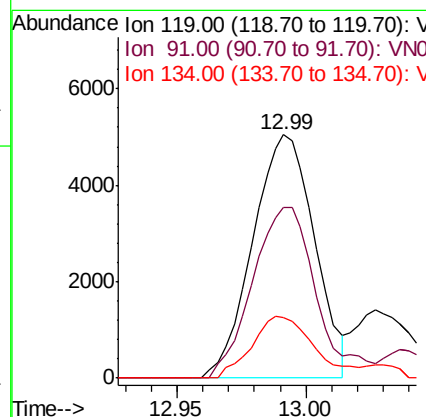
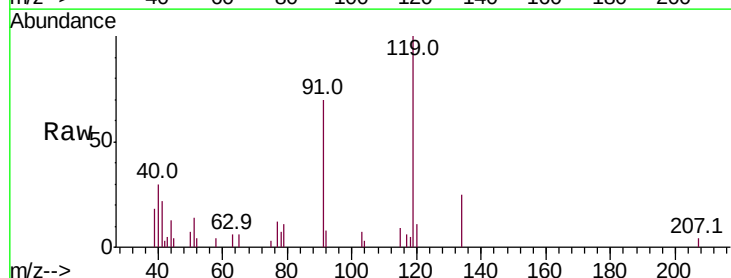
Manual Integrations
APPROVED

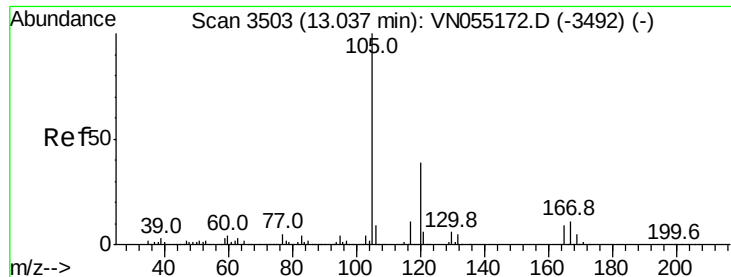
MMDadoda
4/23/2019 1:46:20 PM



#83
tert-Butylbenzene
Concen: 0.842 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 119 Resp: 8432
Ion Ratio Lower Upper
119 100
91 72.4 33.8 101.3
134 25.5 13.2 39.5





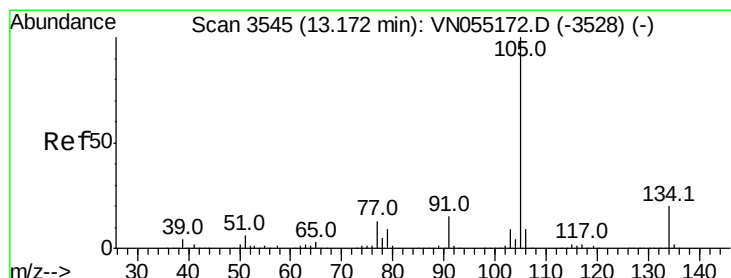
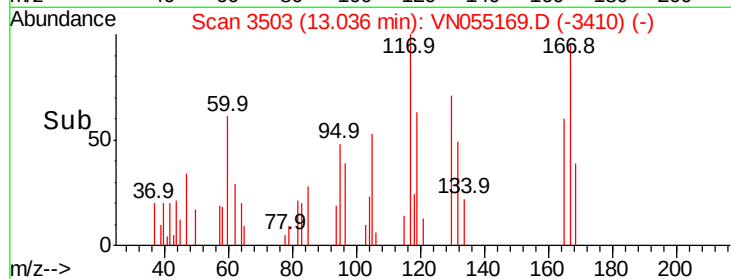
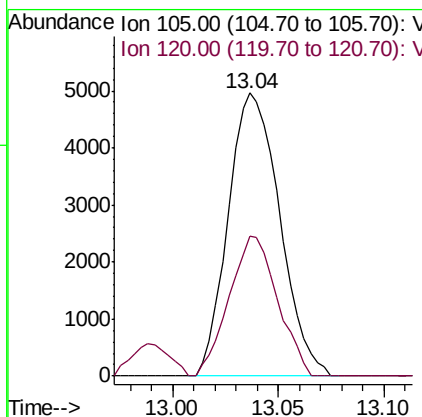
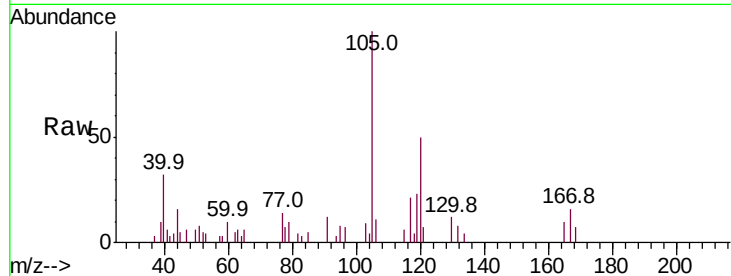
#84
 1,2,4-Trimethylbenzene
 Concen: 0.797 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 8416
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.7 68.1

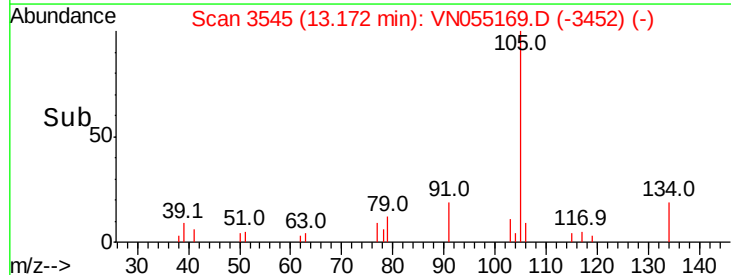
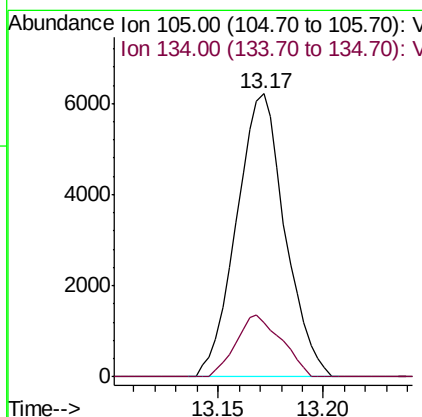
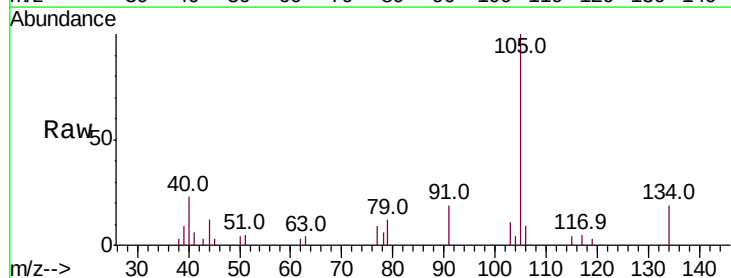
Manual Integrations
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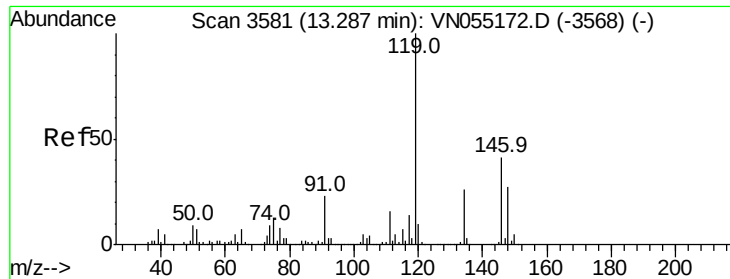
MMDadoda
 4/23/2019 1:46:20 PM



#85
 sec-Butylbenzene
 Concen: 0.783 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion:105 Resp: 9918
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0





#86

p-Isopropyltoluene

Concen: 0.752 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

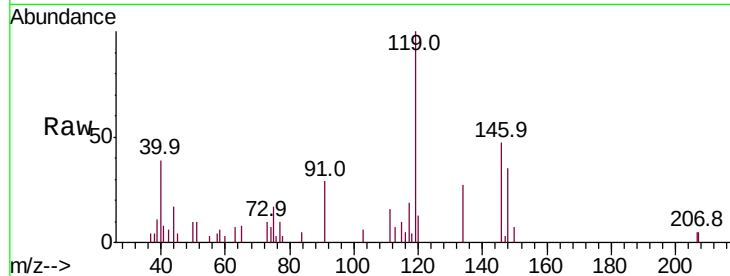
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	7844
Ion Ratio	Lower	Upper	
119	100		
134	24.8	13.1	39.3
91	25.2	11.8	35.3

Manual Integrations
APPROVED

MMDadoda
4/23/2019 1:46:20 PM

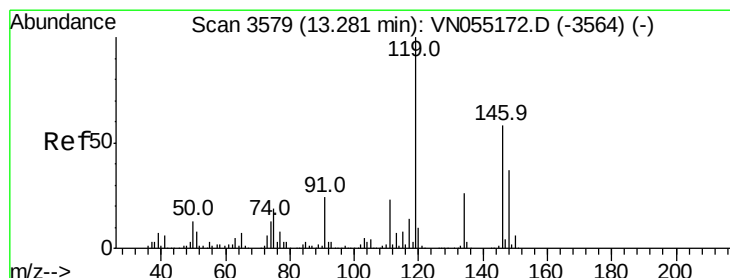
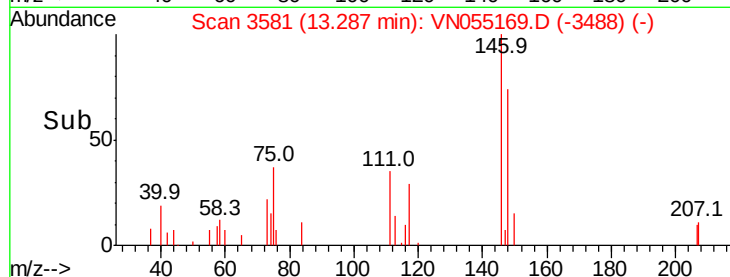
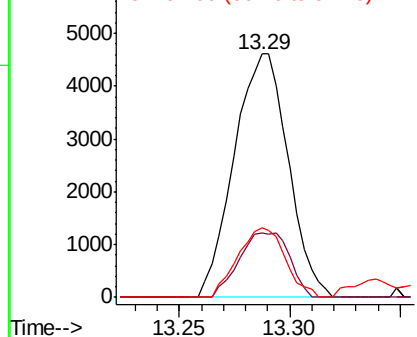


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.828 ug/l

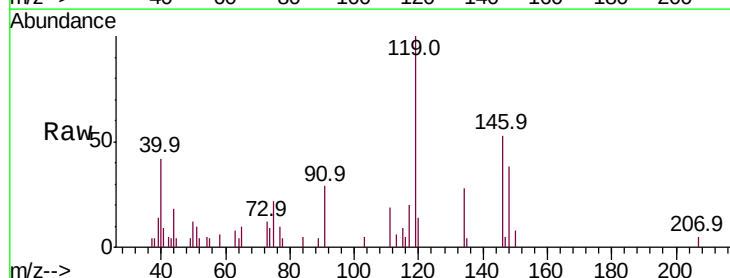
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	146	Resp:	4198
Ion Ratio	Lower	Upper	
146	100		
111	36.4	19.7	59.1
148	62.1	32.0	96.0

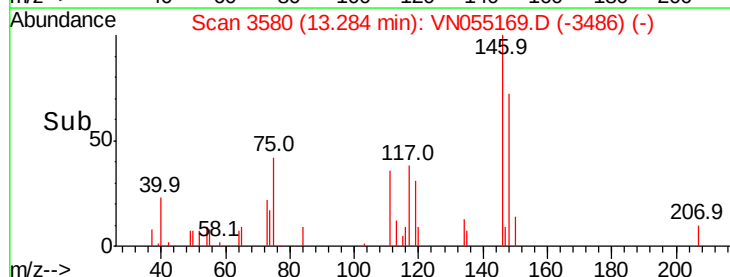
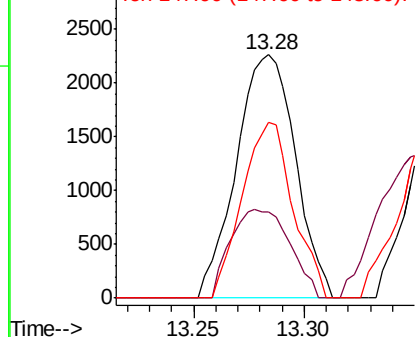


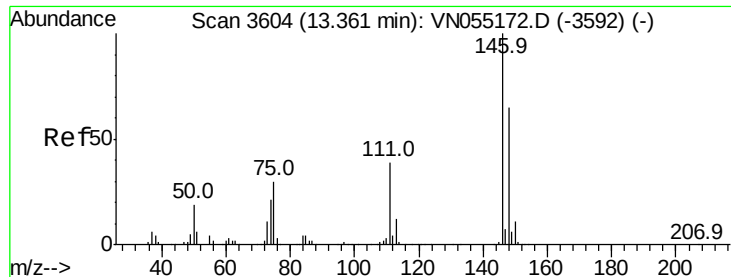
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





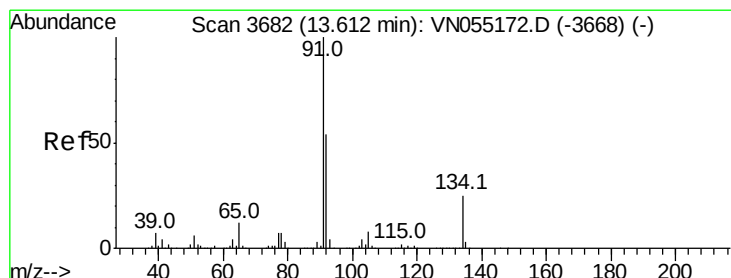
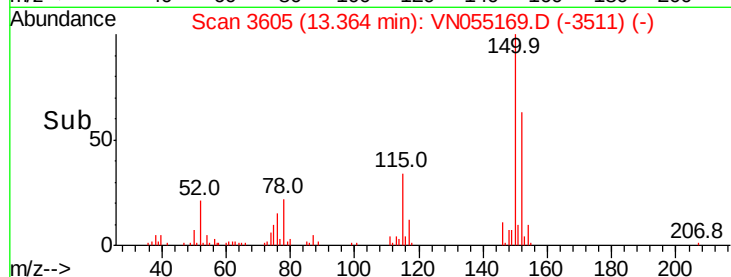
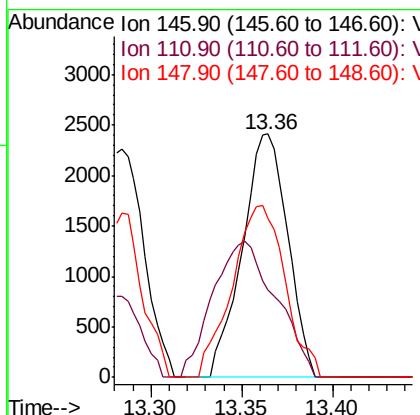
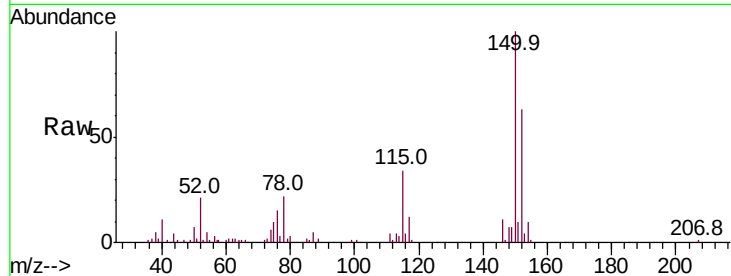
#88
 1,4-Dichlorobenzene
 Concen: 0.844 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.4	58.2
148	62.6	32.9	98.6

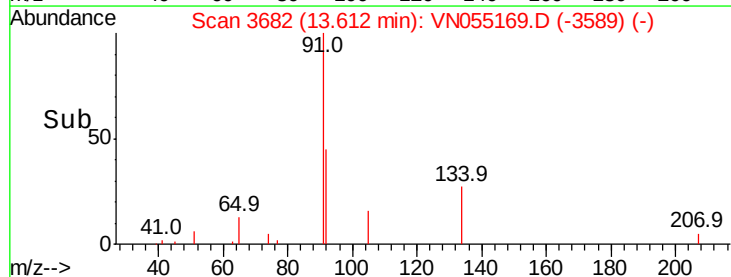
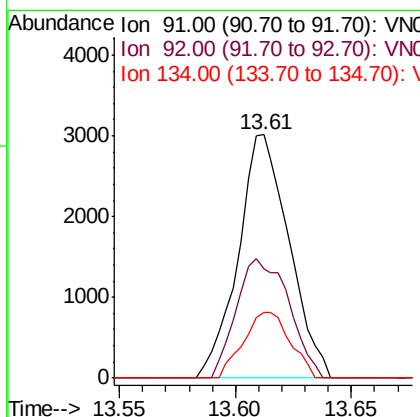
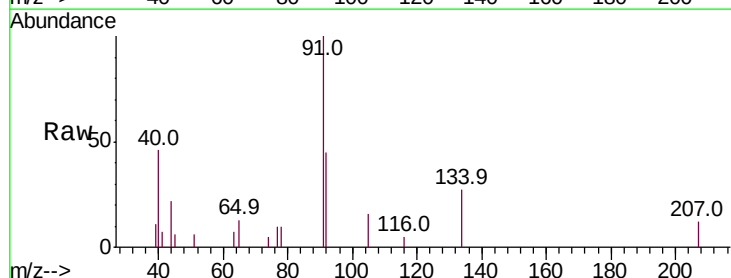
Manual Integrations
 APPROVED

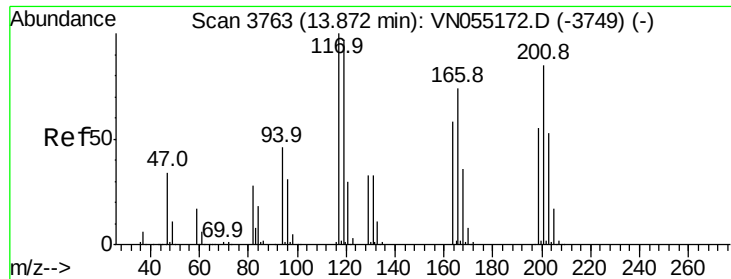
MMDadoda
 4/23/2019 1:46:20 PM



#89
 n-Butylbenzene
 Concen: 0.595 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.4	79.2
134	24.8	12.8	38.4





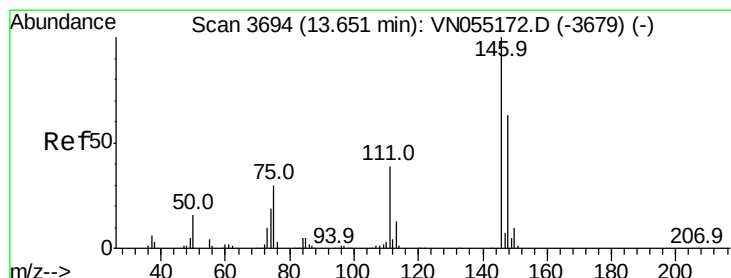
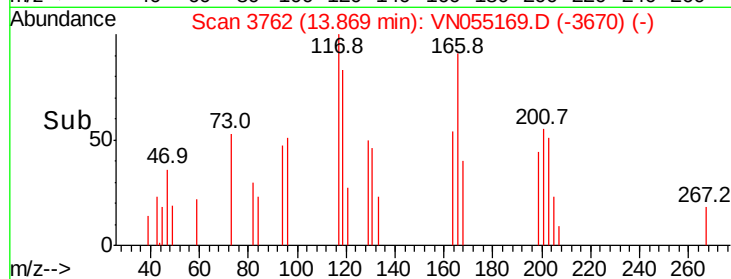
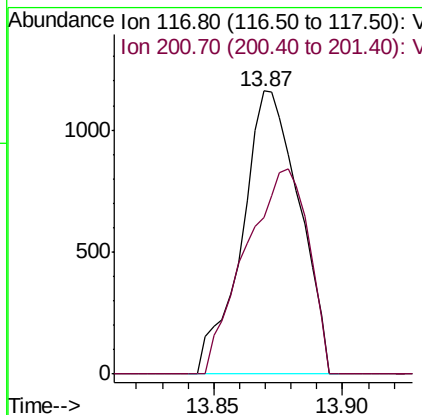
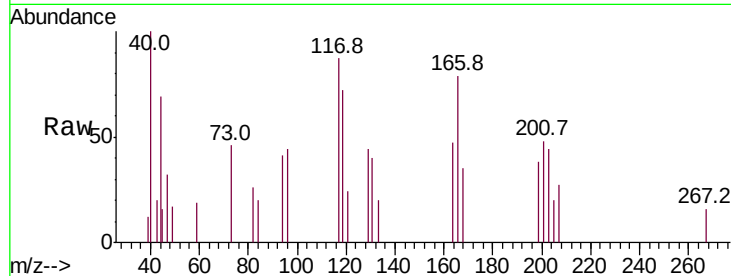
#90
Hexachloroethane
Concen: 0.976 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 1807
Ion Ratio Lower Upper
117 100
201 79.4 43.1 129.4

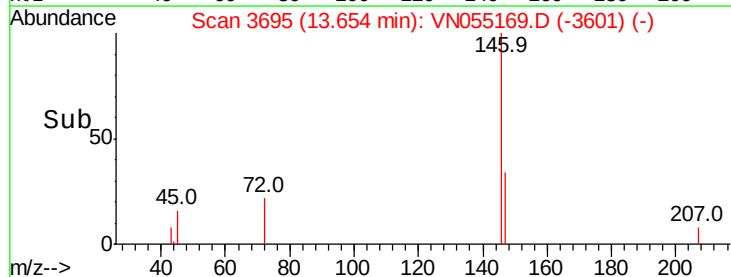
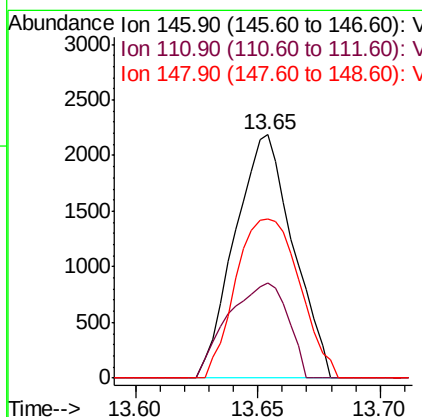
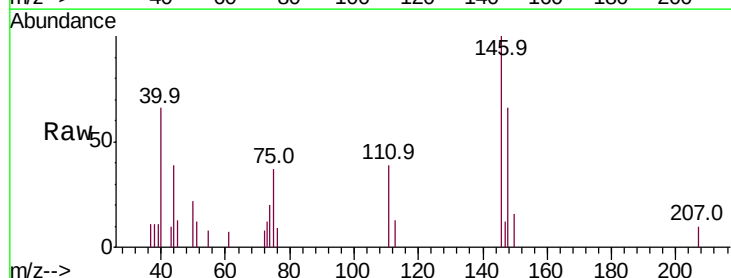
Manual Integrations
APPROVED

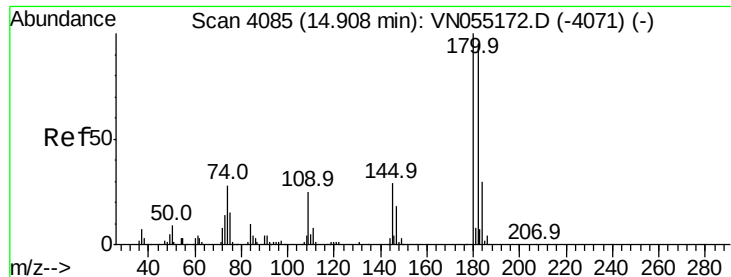
MMDadoda
4/23/2019 1:46:20 PM



#91
1,2-Dichlorobenzene
Concen: 0.695 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion:146 Resp: 3618
Ion Ratio Lower Upper
146 100
111 40.2 19.8 59.3
148 71.9 31.7 95.1





#93

1,2,4-Trichlorobenzene

Concen: 0.524 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

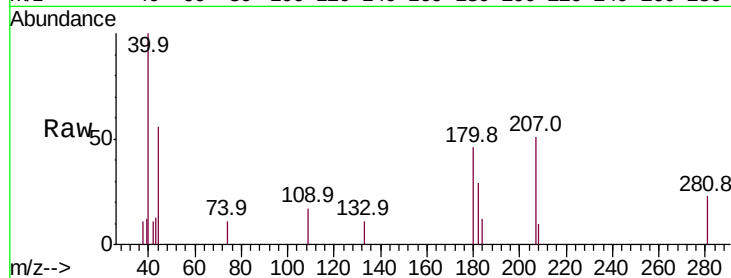
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	3.0	14.5	43.5#

Manual Integrations
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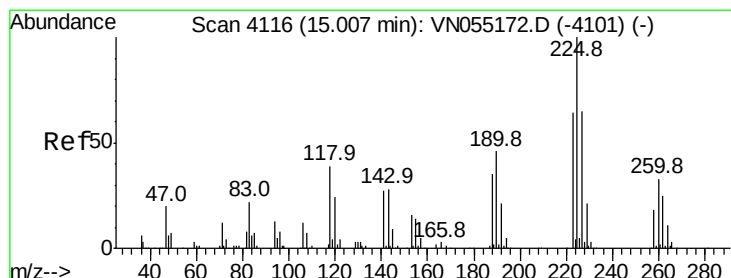
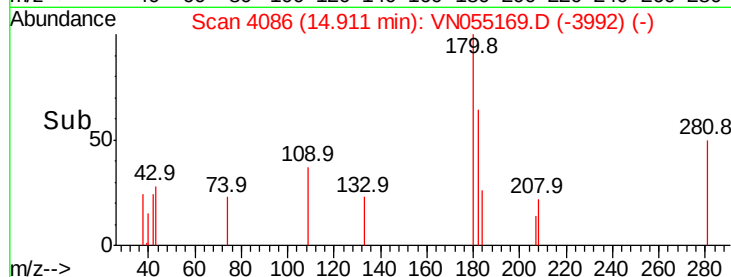
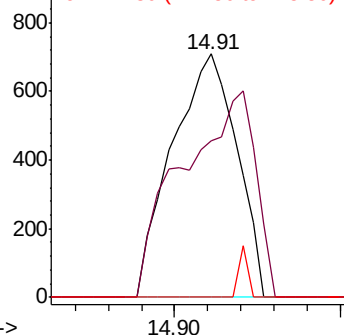
MMDadoda
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Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.929 ug/l

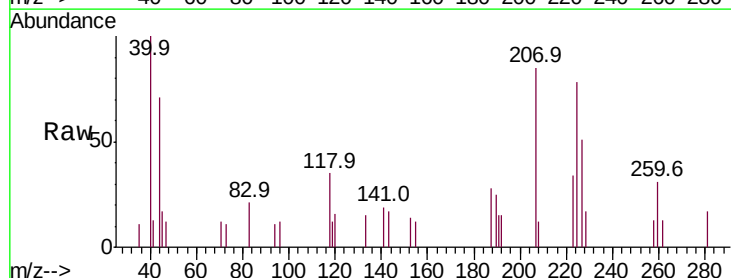
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

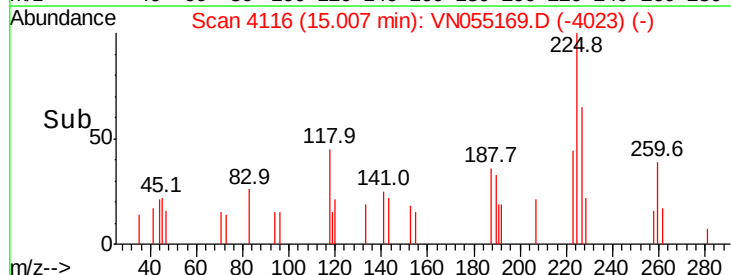
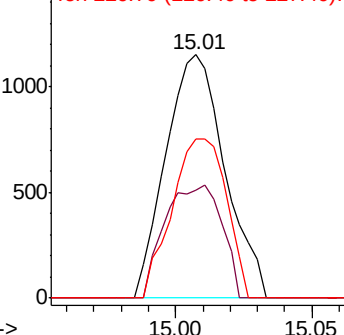
Tgt Ion	Ratio	Lower	Upper
225	100		
223	44.7	32.2	96.6
227	60.3	32.6	98.0

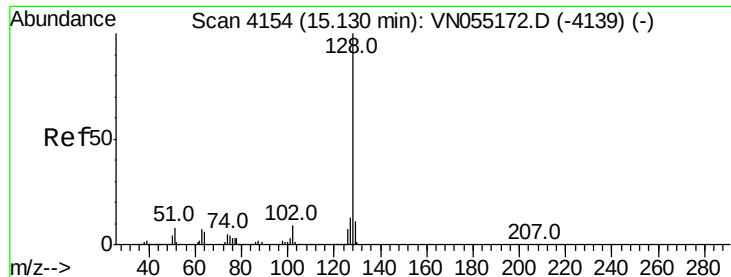


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.658 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

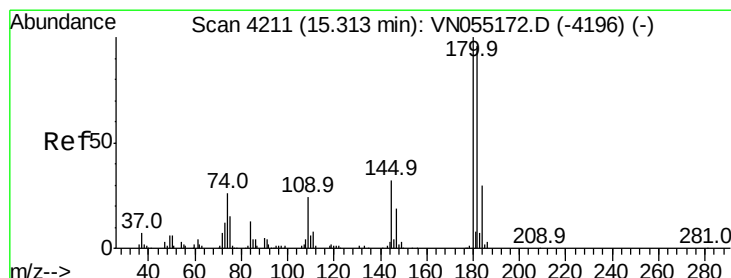
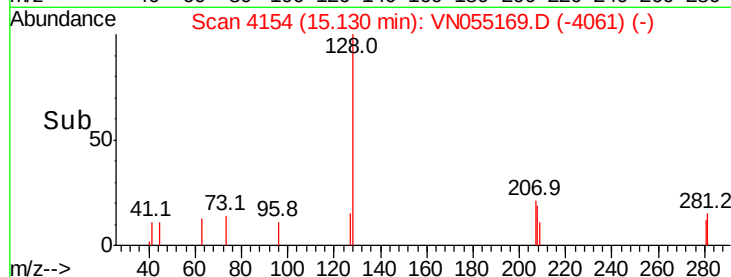
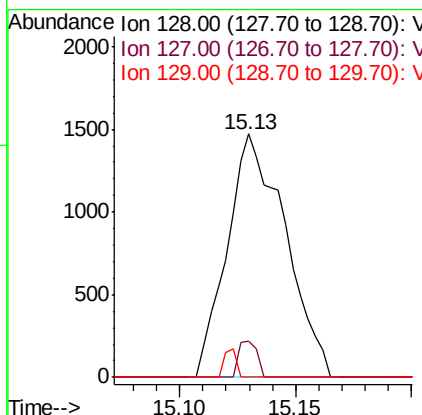
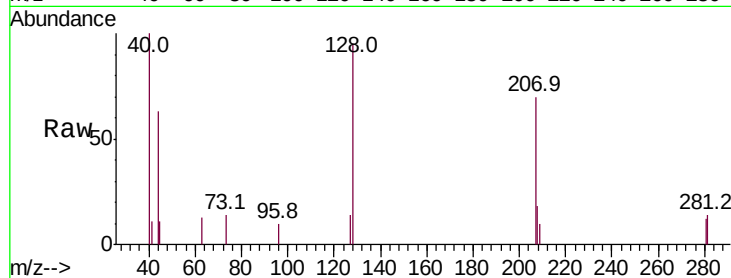
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	2556
Ion Ratio	Lower	Upper	
128	100		
127	4.6	10.3	15.5#
129	2.5	8.8	13.2#

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.473 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion:	180	Resp:	904
Ion Ratio	Lower	Upper	
180	100		
182	111.6	47.2	141.6
145	12.7	15.4	46.1#

