

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055175.D
 Acq On : 22 Apr 2019 11:54
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:54 PM

Quant Time: Apr 23 05:17:58 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	408543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156782	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	5090	0.968	ug/l	97
3) Chloromethane	2.06	50	6969	1.081	ug/l	97
4) Vinyl Chloride	2.19	62	5973	1.156	ug/l	91
5) Bromomethane	2.56	94	3903	1.303	ug/l	90
6) Chloroethane	2.70	64	3113	1.115	ug/l	95
7) Trichlorofluoromethane	3.02	101	7791	1.108	ug/l	86
8) Diethyl Ether	3.42	74	2610	1.040	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4930	1.124	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	4649	1.106	ug/l	90
14) Allyl chloride	4.33	41	8182	0.985	ug/l	92
15) Acrylonitrile	5.00	53	9814m	5.543	ug/l	
16) Acetone	3.83	43	9446m	5.167	ug/l	
17) Carbon Disulfide	4.05	76	15364m	1.307	ug/l	
18) Methyl Acetate	4.34	43	8500	1.685	ug/l #	80
19) Methyl tert-butyl Ether	5.05	73	12716m	1.094	ug/l	
20) Methylene Chloride	4.55	84	6588	1.254	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	5617	1.274	ug/l #	68
22) Diisopropyl ether	5.95	45	17986	1.086	ug/l #	76
23) Vinyl Acetate	5.90	43	54227	4.872	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	9540	1.071	ug/l #	94
25) 2-Butanone	6.85	43	11423	4.840	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	6008m	0.997	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	5038	0.992	ug/l	82
28) Bromochloromethane	7.19	49	4753	1.047	ug/l #	98
29) Tetrahydrofuran	7.22	42	8818	5.945	ug/l	96
30) Chloroform	7.37	83	8604	1.015	ug/l	96
31) Cyclohexane	7.66	56	17112	1.673	ug/l #	17
32) 1,1,1-Trichloroethane	7.58	97	7295	1.072	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	6335	0.999	ug/l	98
37) Ethyl Acetate	6.93	43	5656m	1.068	ug/l	
38) Carbon Tetrachloride	7.77	117	7315	1.155	ug/l #	81
39) Methylcyclohexane	9.08	83	7983	1.056	ug/l	92
40) Benzene	8.04	78	19342	0.989	ug/l	95
41) Methacrylonitrile	7.19	41	3728	1.428	ug/l #	28

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

42) 1,2-Dichloroethane	8.12	62	7175	1.051	ug/l	87
43) Isopropyl Acetate	8.17	43	6909	0.834	ug/l	94
44) Trichloroethene	8.84	130	5465	1.105	ug/l	87
45) 1,2-Dichloropropane	9.12	63	5580	1.010	ug/l	95
46) Dibromomethane	9.21	93	3003	0.950	ug/l	94
47) Bromodichloromethane	9.40	83	6505	1.028	ug/l #	92
48) Methyl methacrylate	9.20	41	4655	1.158	ug/l	93
49) 1,4-Dioxane	9.20	88	610	13.146	ug/l #	40
51) 4-Methyl-2-Pentanone	9.99	43	24940	5.232	ug/l	94
52) Toluene	10.16	92	10959	0.955	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5396	0.929	ug/l #	88
54) cis-1,3-Dichloropropene	9.84	75	6882	0.955	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4758	1.125	ug/l	95
56) Ethyl methacrylate	10.43	69	4915	0.933	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	7479	1.016	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7847	4.620	ug/l	99
59) 2-Hexanone	10.75	43	15203	5.049	ug/l	100
60) Dibromochloromethane	10.90	129	4240	0.973	ug/l	93
61) 1,2-Dibromoethane	11.01	107	4189	1.054	ug/l	94
64) Tetrachloroethene	10.63	164	5237	1.123	ug/l	96
65) Chlorobenzene	11.43	112	12082	1.036	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	4422	1.023	ug/l #	65
67) Ethyl Benzene	11.51	91	21245	1.022	ug/l	95
68) m/p-Xylenes	11.62	106	15448	2.073	ug/l	94
69) o-Xylene	11.94	106	7272	0.983	ug/l	97
70) Styrene	11.97	104	10981	0.958	ug/l	96
71) Bromoform	12.12	173	2357	0.914	ug/l #	95
73) Isopropylbenzene	12.25	105	19614	1.303	ug/l	99
74) N-amyl acetate	12.07	43	6136	1.518	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5585	1.402	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	4608m	1.568	ug/l	
77) Bromobenzene	12.53	156	4382	1.266	ug/l	95
78) n-propylbenzene	12.59	91	19462	1.238	ug/l	99
79) 2-Chlorotoluene	12.67	91	12188	1.228	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	15239	1.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	944	1.125	ug/l #	49
82) 4-Chlorotoluene	12.77	91	11270	1.234	ug/l	100
83) tert-Butylbenzene	12.99	119	12872	1.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13036	1.177	ug/l	90
85) sec-Butylbenzene	13.17	105	16234	1.223	ug/l	95
86) p-Isopropyltoluene	13.29	119	13471	1.231	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6672	1.256	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	6317	1.221	ug/l	91
89) n-Butylbenzene	13.61	91	9917	1.223	ug/l	93
90) Hexachloroethane	13.87	117	2702	1.393	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	6756	1.238	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	628	1.319	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	2912	1.511	ug/l	91
94) Hexachlorobutadiene	15.00	225	3212	1.645	ug/l	98
95) Naphthalene	15.13	128	7022	1.725	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC001

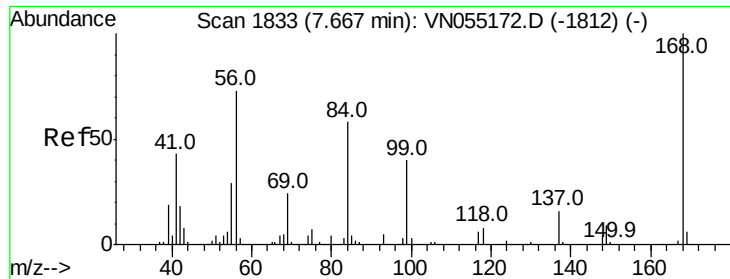
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3390	1.691	ug/l	95

(#) = 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: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 408543

Ion Ratio Lower Upper

168 100

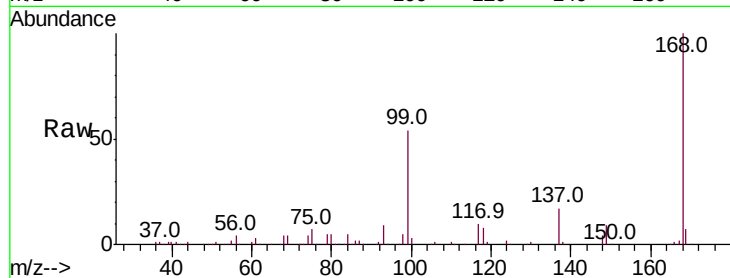
99 54.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.66

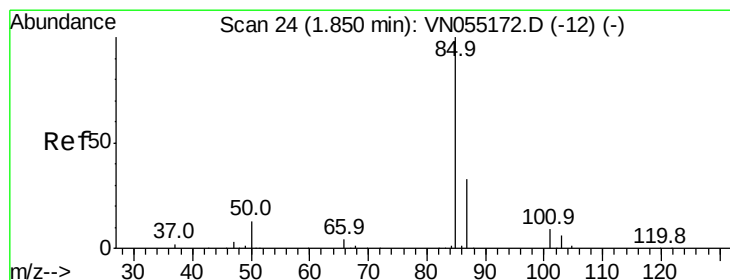
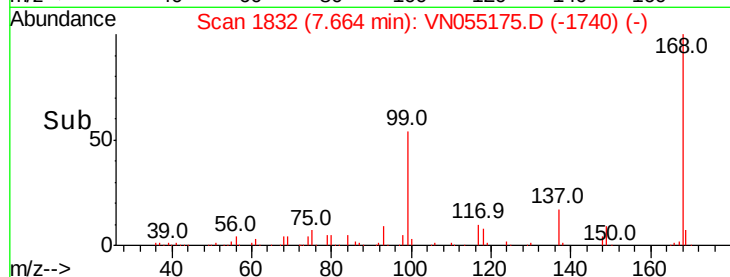
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 0.968 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055175.D

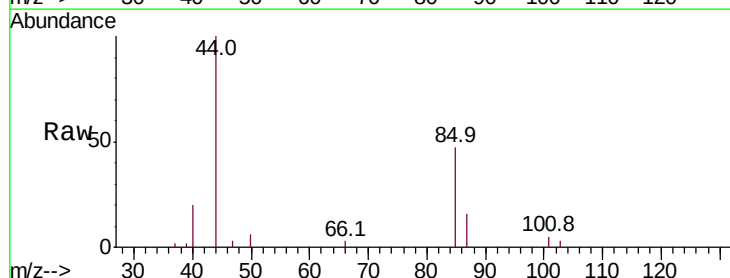
Acq: 22 Apr 2019 11:54

Tgt Ion: 85 Resp: 5090

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

4000

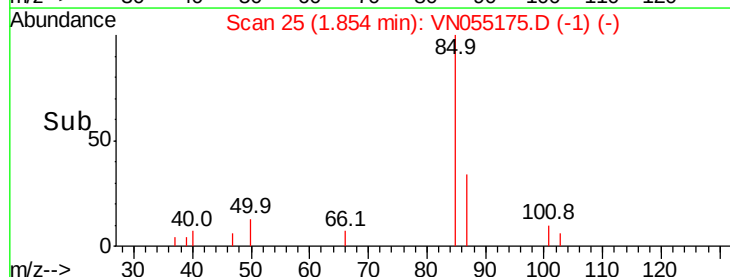
3000

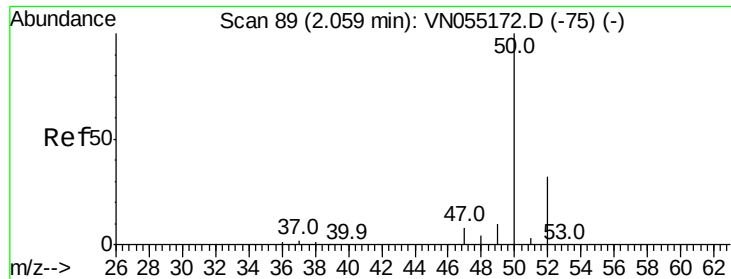
2000

1000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 1.081 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 6969

Ion Ratio Lower Upper

50 100

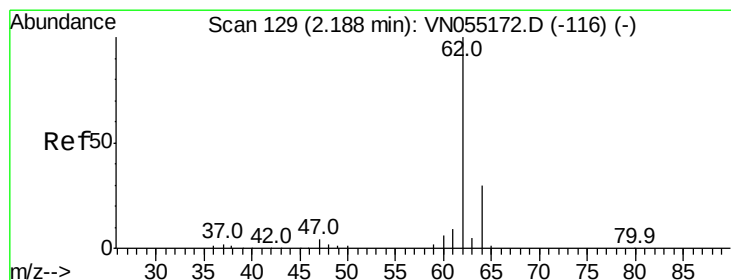
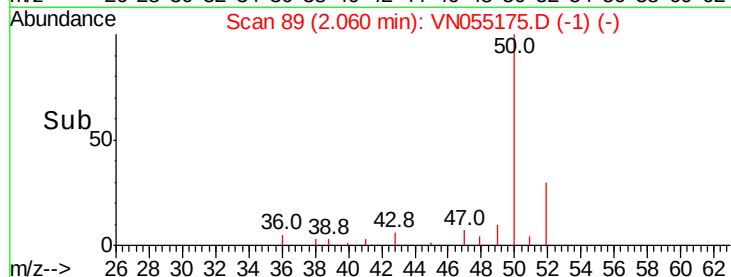
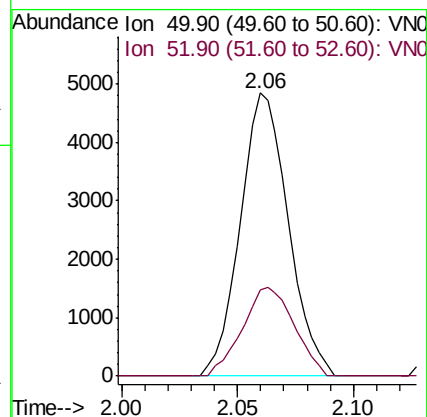
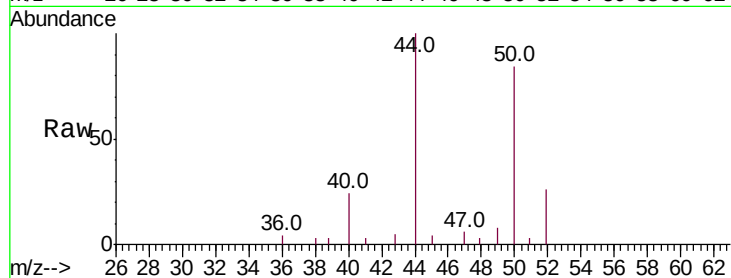
52 30.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.156 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055175.D

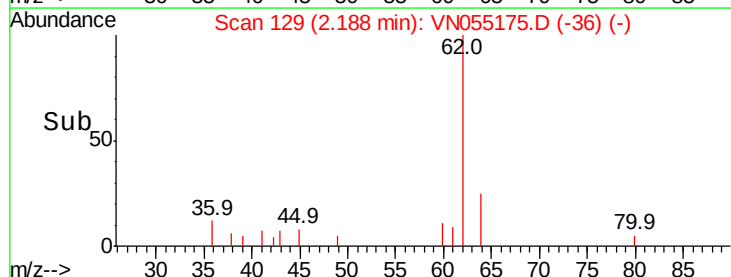
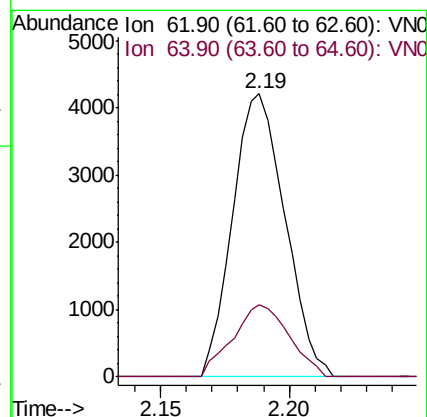
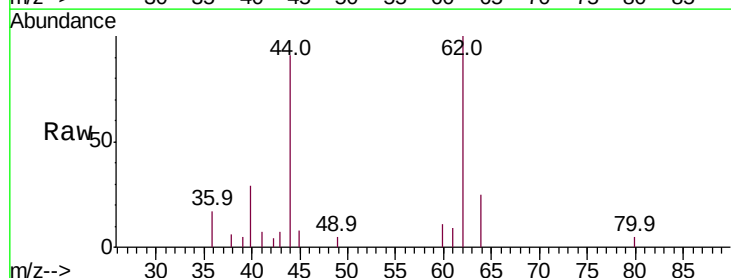
Acq: 22 Apr 2019 11:54

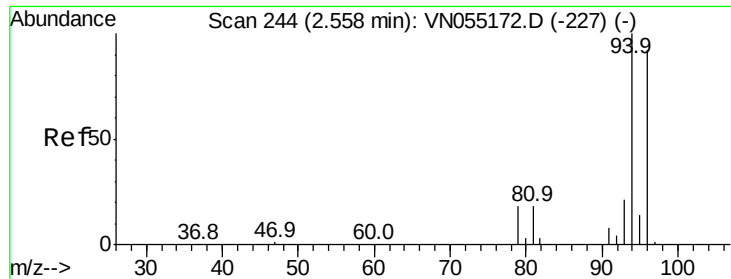
Tgt Ion: 62 Resp: 5973

Ion Ratio Lower Upper

62 100

64 25.5 24.2 36.4





#5

Bromomethane

Concen: 1.303 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3903

Ion Ratio Lower Upper

94 100

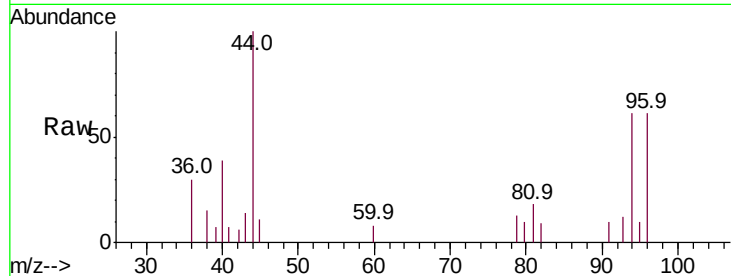
96 100.9 73.4 110.2

Manual Integrations

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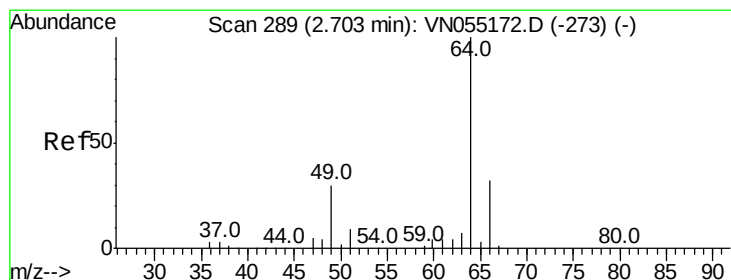
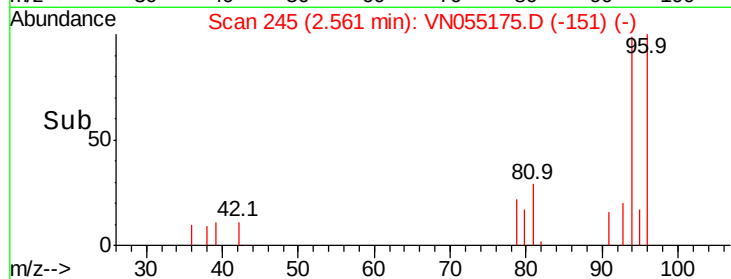
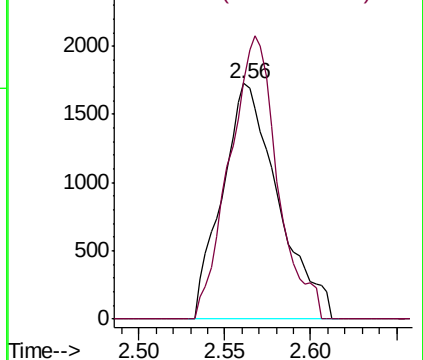
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.115 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055175.D

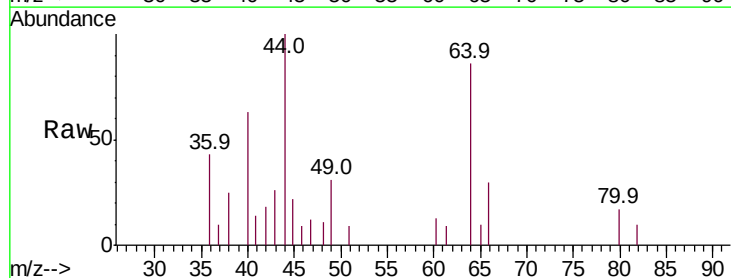
Acq: 22 Apr 2019 11:54

Tgt Ion: 64 Resp: 3113

Ion Ratio Lower Upper

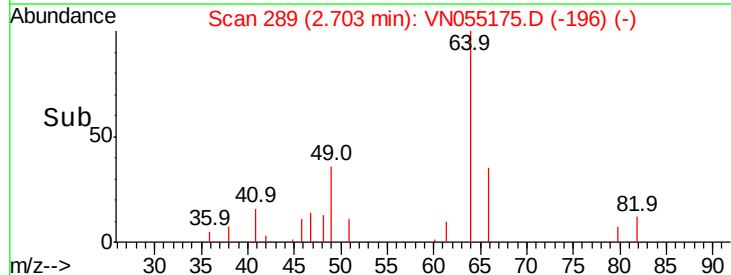
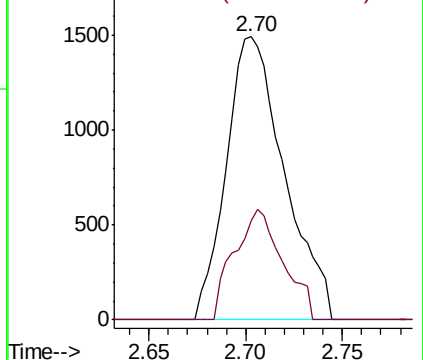
64 100

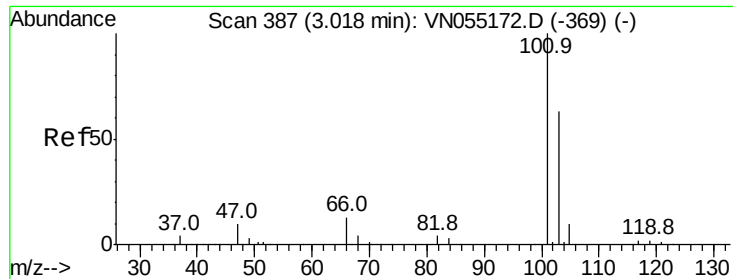
66 35.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

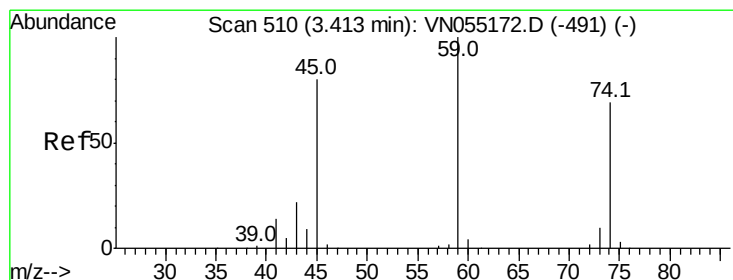
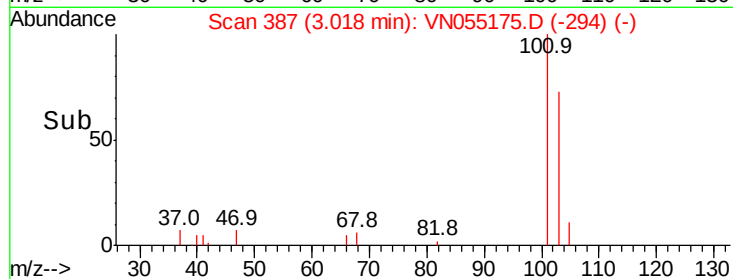
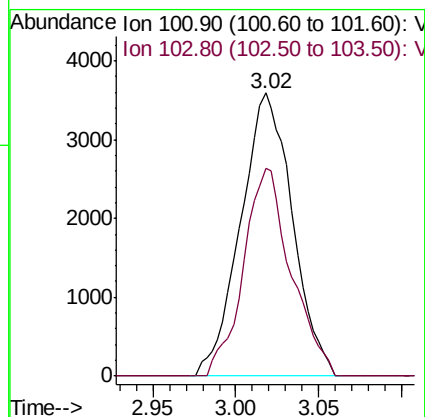
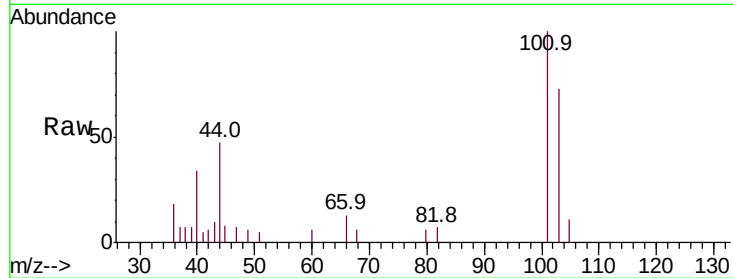
Trichlorofluoromethane
Concen: 1.108 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

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ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 7791
Ion Ratio Lower Upper
101 100
103 73.2 50.1 75.1

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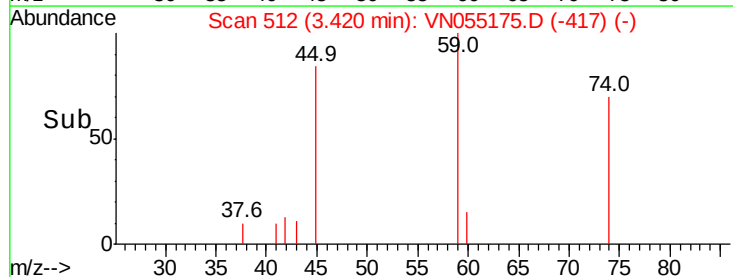
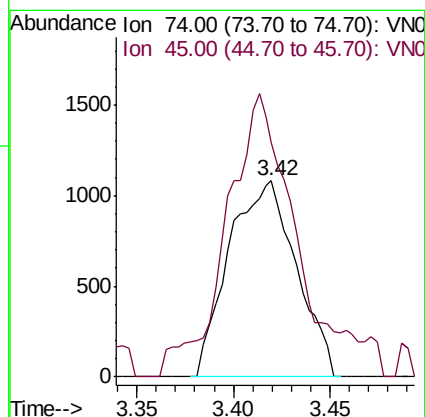
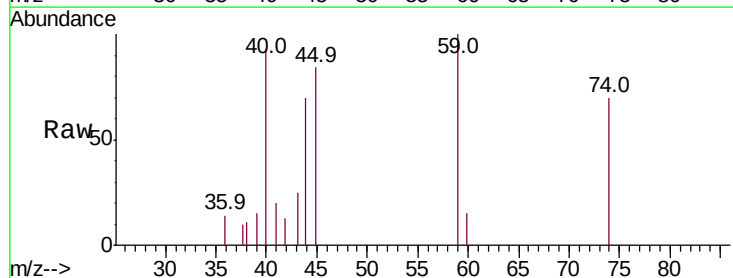
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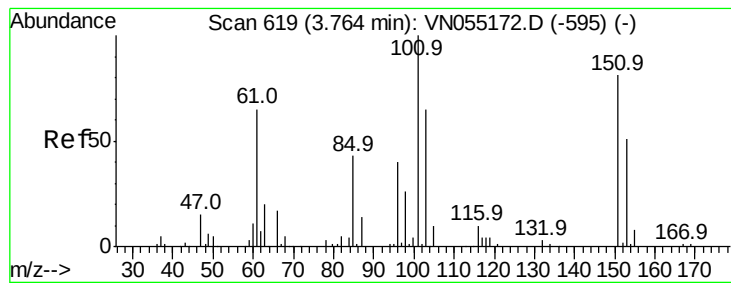


#8

Diethyl Ether
Concen: 1.040 ug/l
RT: 3.42 min Scan# 512
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 74 Resp: 2610
Ion Ratio Lower Upper
74 100
45 152.9 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.124 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

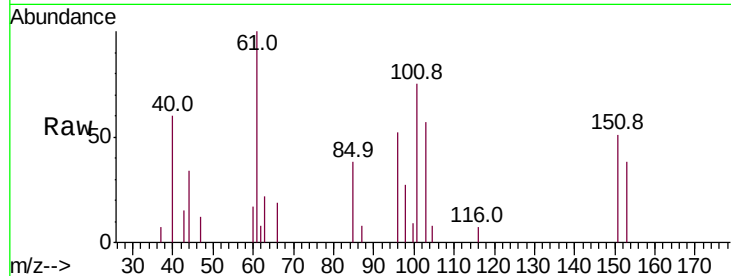
ClientSampleId :

VSTDIC001

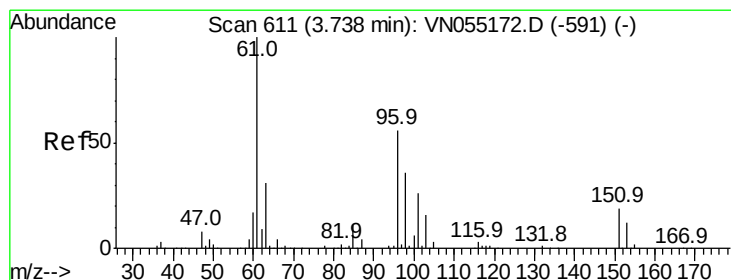
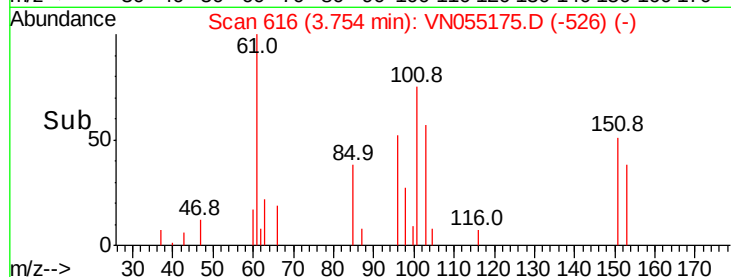
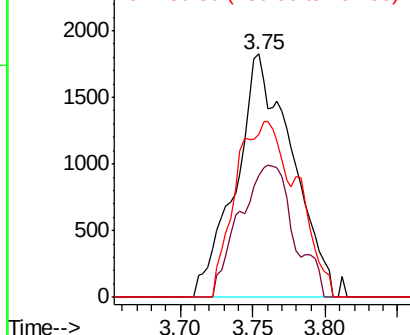
Tot Ion:	101	Resp:	4930
Ion Ratio	Lower	Upper	
101	100		
85	52.4	34.9	52.3#
151	63.2	63.8	95.8#

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



#12

1,1-Dichloroethene

Concen: 1.106 ug/l

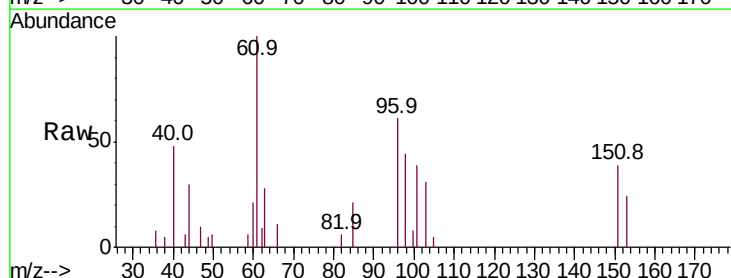
RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

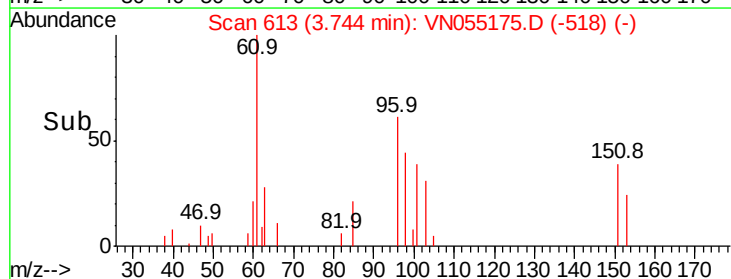
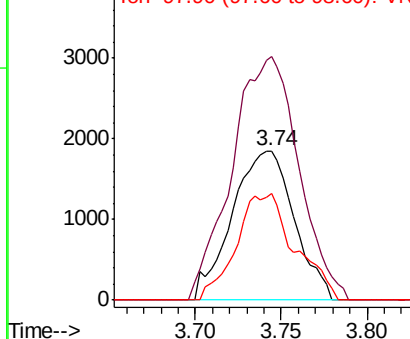
Lab File: VN055175.D

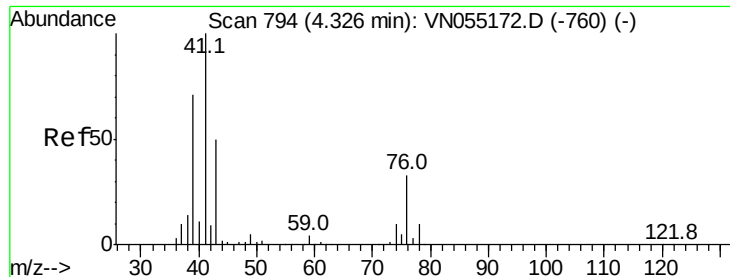
Acq: 22 Apr 2019 11:54

Tgt Ion:	96	Resp:	4649
Ion Ratio	Lower	Upper	
96	100		
61	163.2	142.1	213.1
98	71.3	51.2	76.8



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





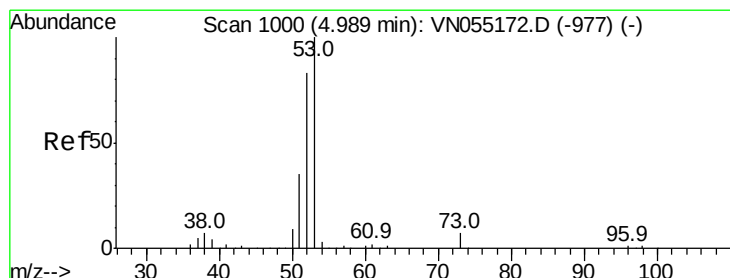
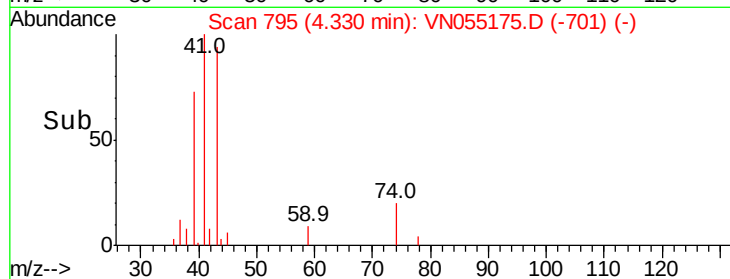
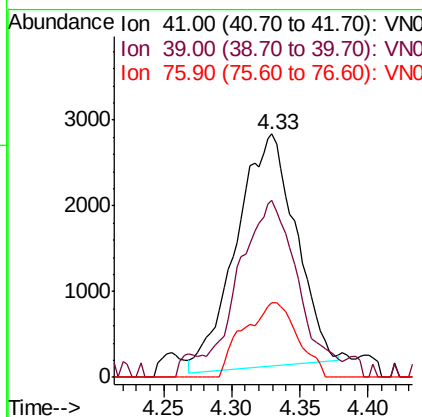
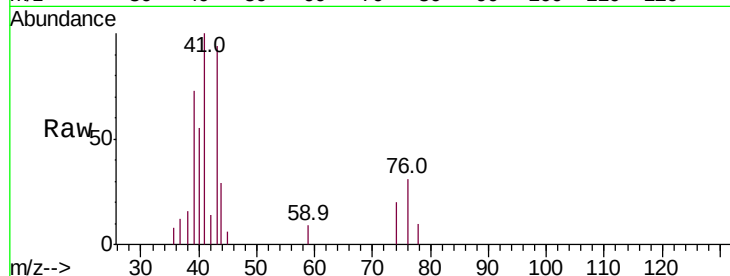
#14
Allvl chloride
Concen: 0.985 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	8182
Ion	Ratio	Lower	Upper
41	100		
39	75.3	52.9	79.3
76	29.2	23.6	35.4

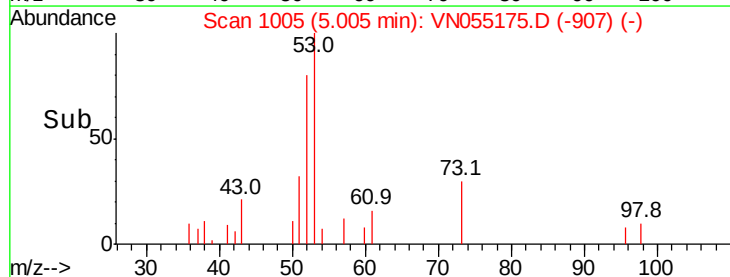
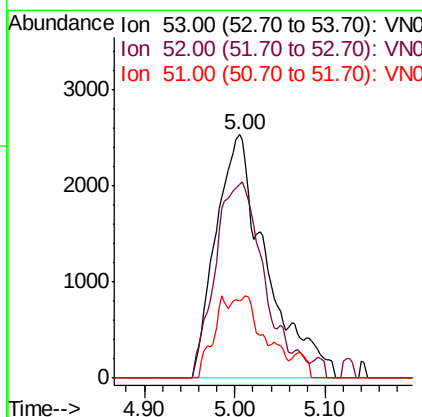
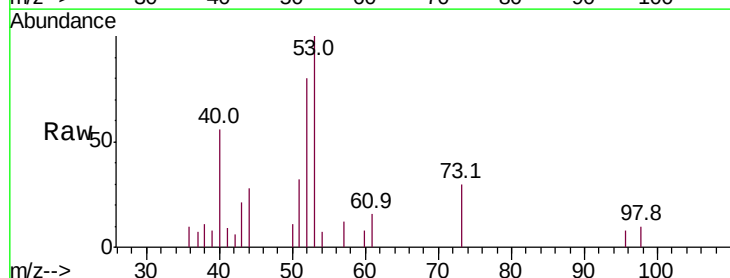
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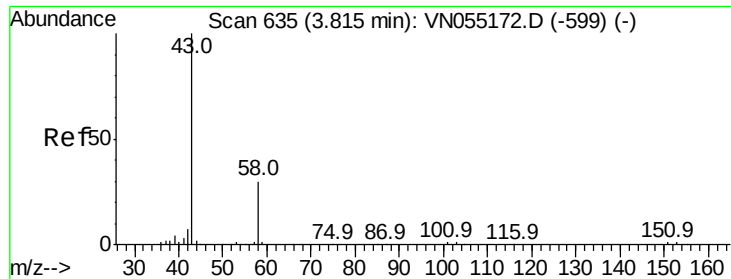
MMDadoda
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#15
Acrylonitrile
Concen: 5.543 ug/l m
RT: 5.00 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:	53	Resp:	9814
Ion	Ratio	Lower	Upper
53	100		
52	76.0	65.8	98.8
51	0.0	28.9	43.3#





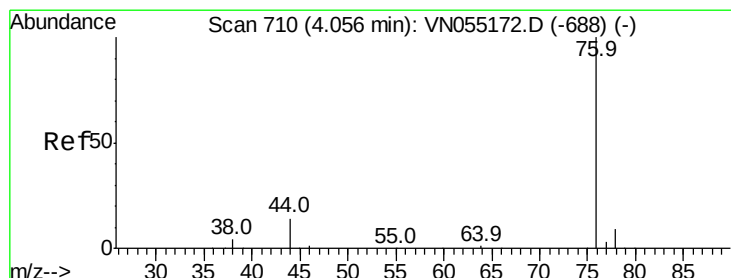
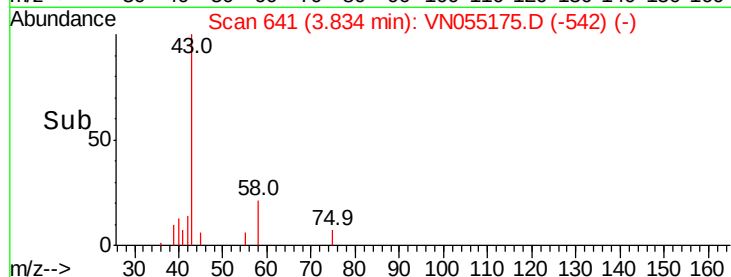
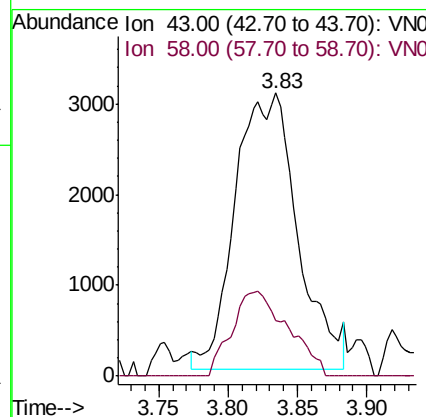
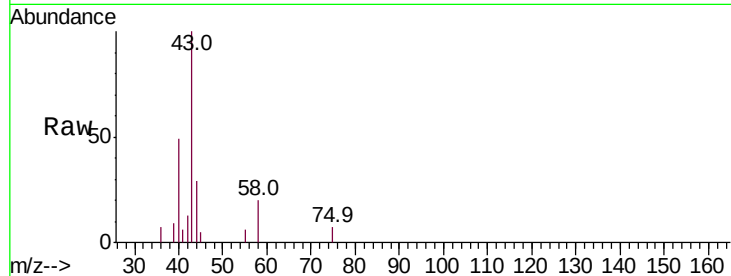
#16
Acetone
Concen: 5.167 ug/l m
RT: 3.83 min Scan# 641
Delta R.T. 0.02 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 9446
Ion Ratio Lower Upper
43 100
58 19.5 23.8 35.8#

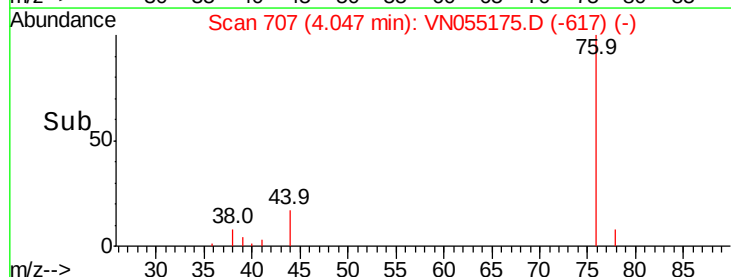
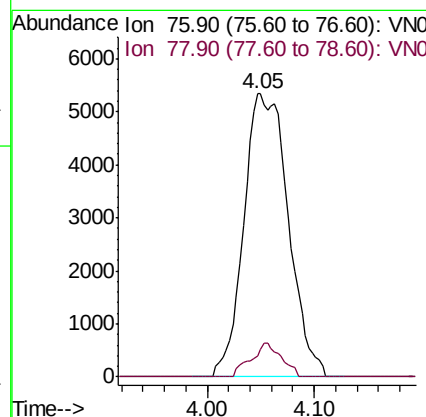
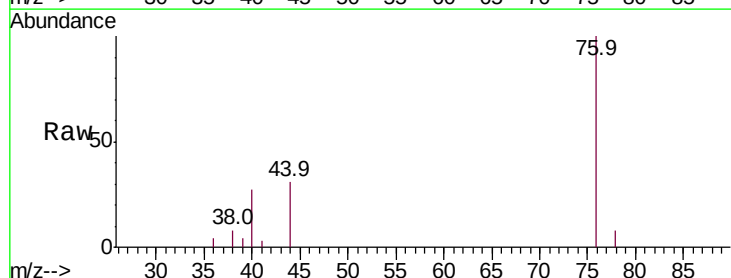
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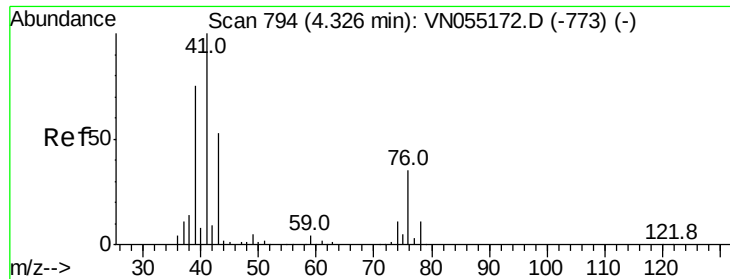
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#17
Carbon Disulfide
Concen: 1.307 ug/l m
RT: 4.05 min Scan# 707
Delta R.T. -0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 76 Resp: 15364
Ion Ratio Lower Upper
76 100
78 7.5 7.3 10.9





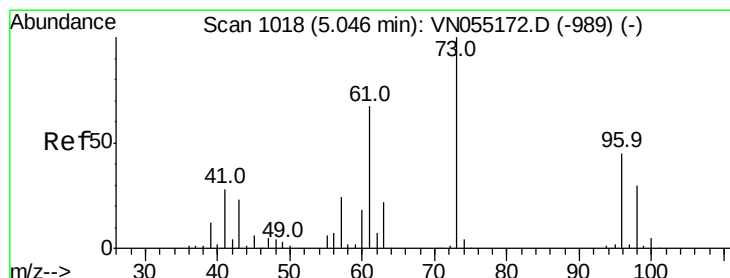
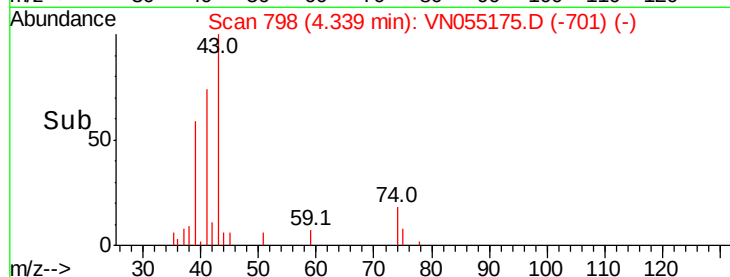
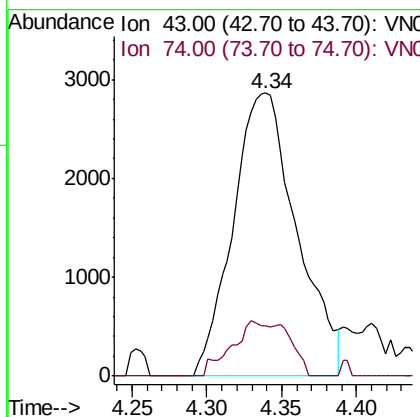
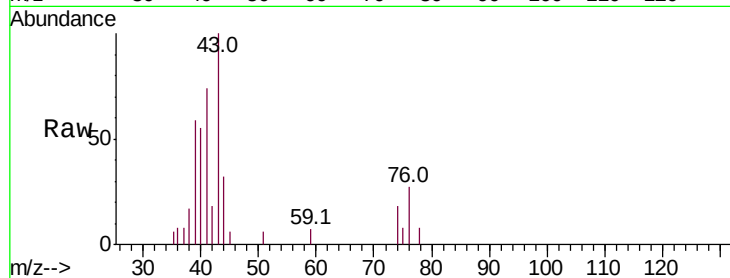
#18
Methyl Acetate
Concen: 1.685 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 8500
Ion Ratio Lower Upper
43 100
74 11.5 16.7 25.1#

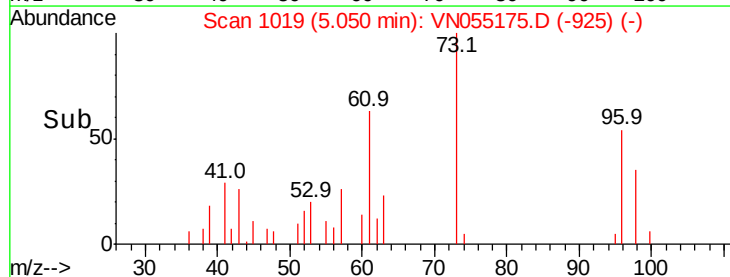
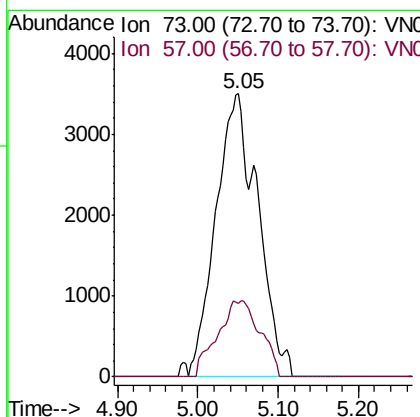
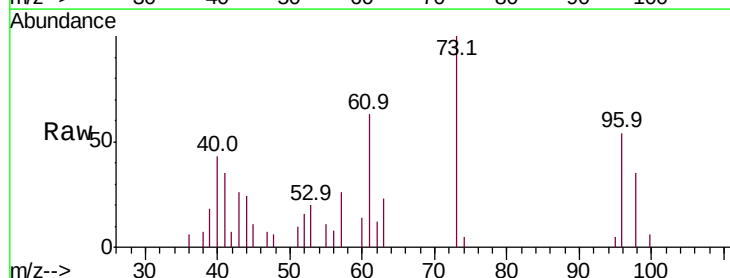
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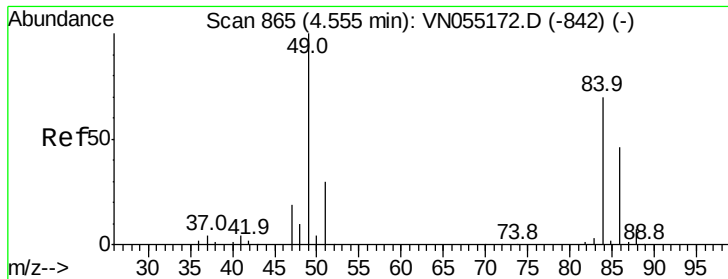
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 1.094 ug/l m
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 73 Resp: 12716
Ion Ratio Lower Upper
73 100
57 25.8 19.5 29.3





#20

Methylene Chloride

Concen: 1.254 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 84 Resp: 6588

Ion Ratio Lower Upper

84 100

49 124.4 113.8 170.6

51 42.0 34.0 51.0

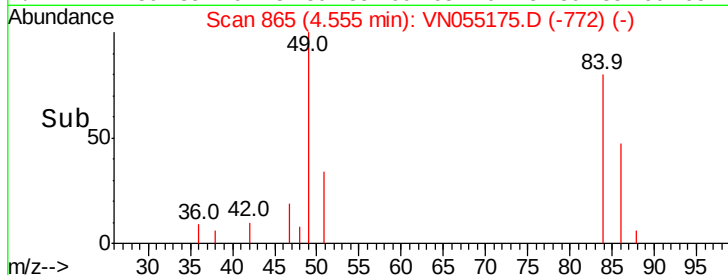
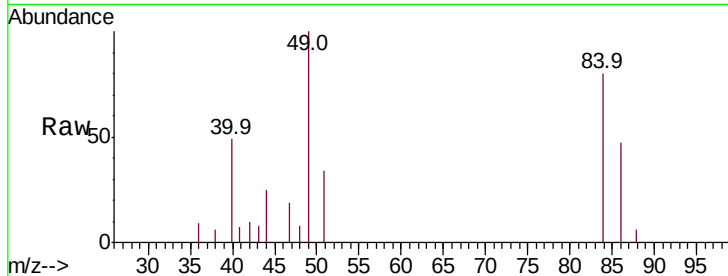
86 58.7 52.3 78.5

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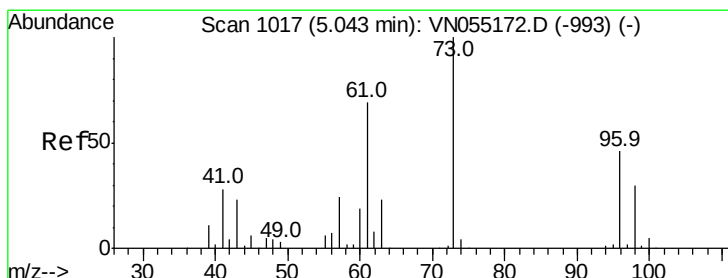
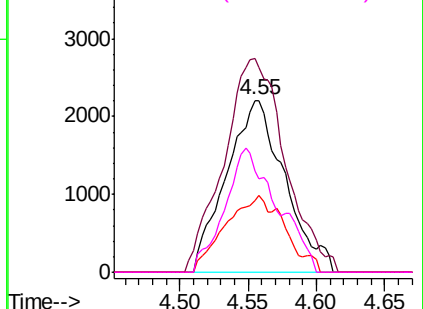


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 1.274 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

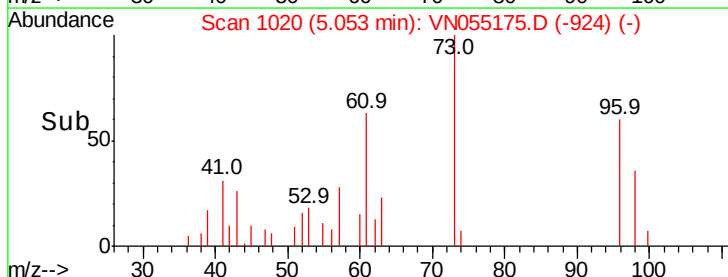
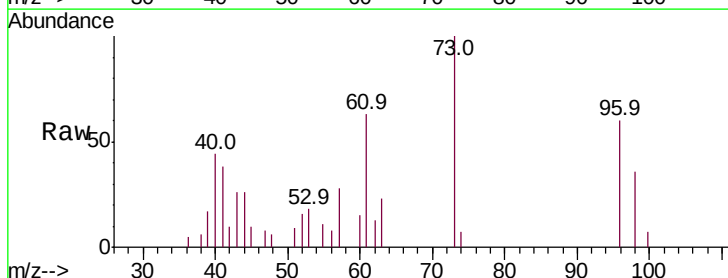
Tgt Ion: 96 Resp: 5617

Ion Ratio Lower Upper

96 100

61 94.3 119.3 178.9#

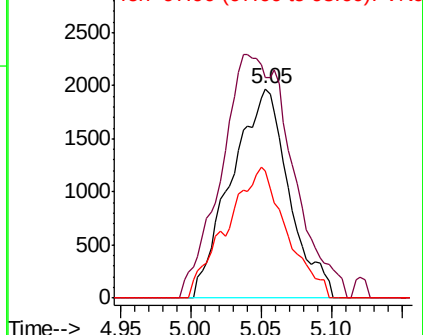
98 60.5 53.0 79.4

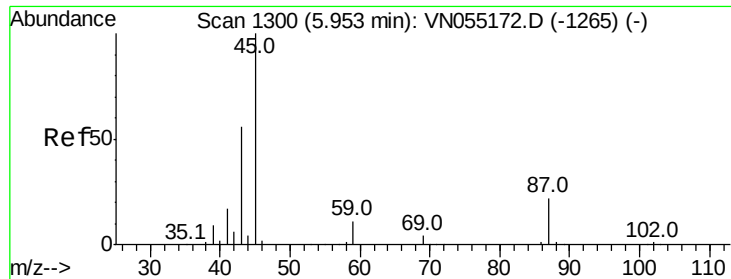


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#22

Diisopropyl ether

Concen: 1.086 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 17986

Ion Ratio Lower Upper

45 100

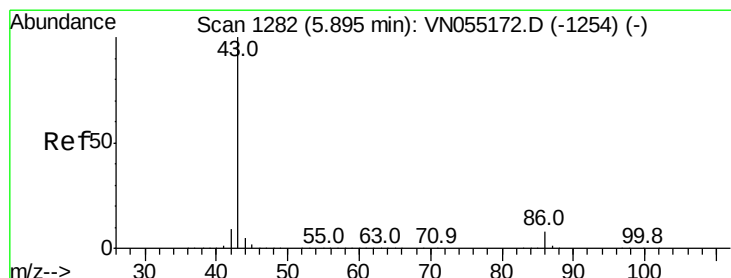
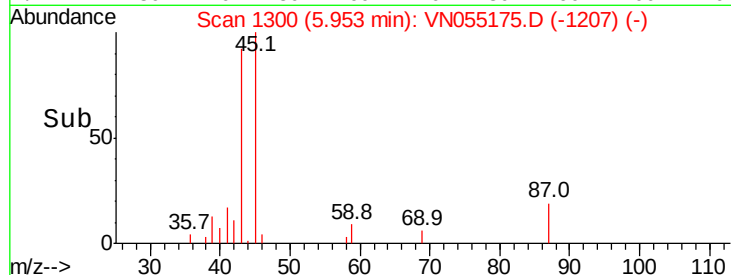
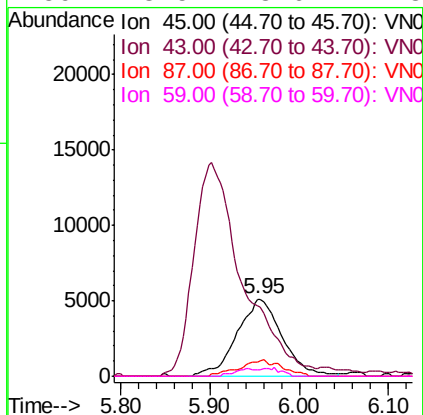
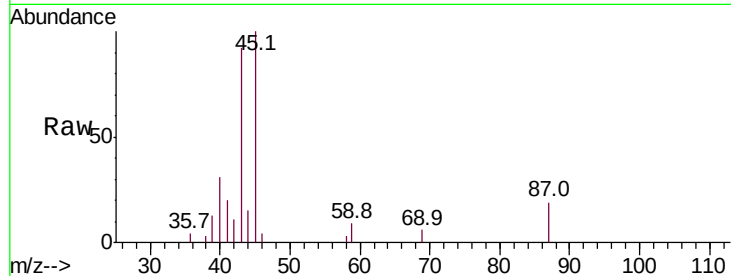
43 84.1 47.4 71.0#

87 18.9 18.4 27.6

59 8.5 8.6 12.8#

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#23

Vinyl Acetate

Concen: 4.872 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055175.D

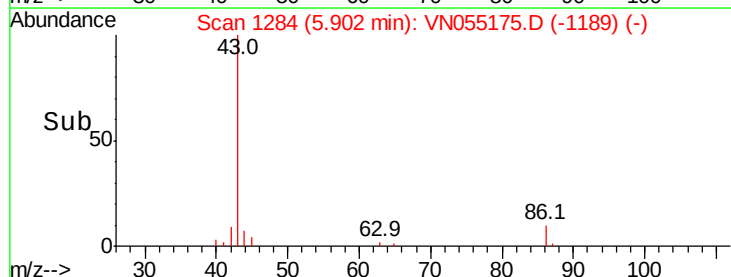
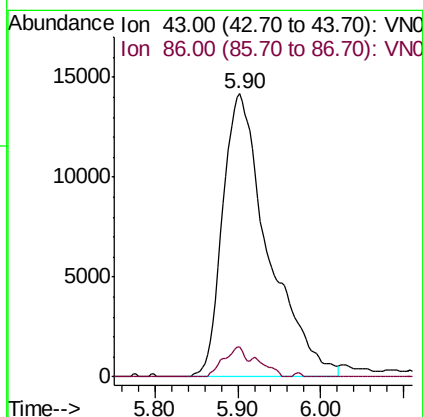
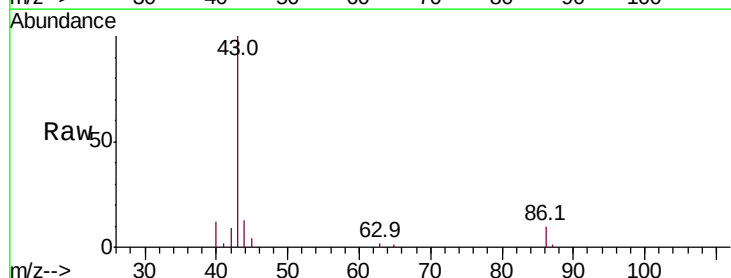
Acq: 22 Apr 2019 11:54

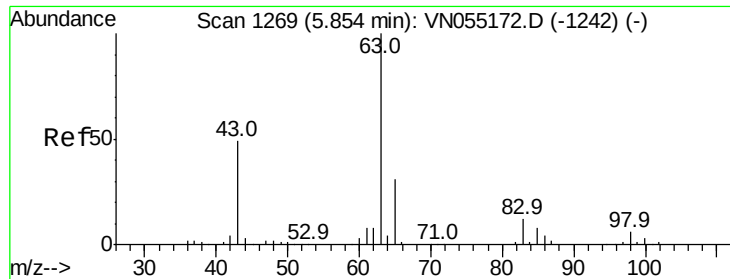
Tgt Ion: 43 Resp: 54227

Ion Ratio Lower Upper

43 100

86 10.5 6.8 10.2#





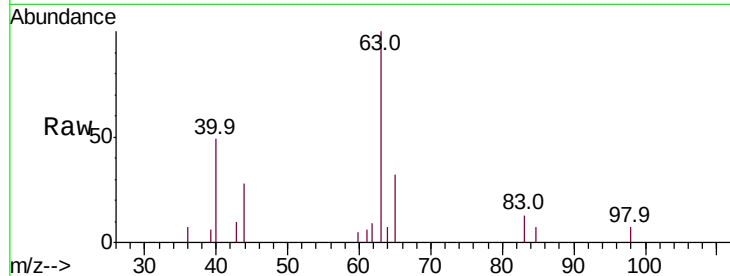
#24
 1,1-Dichloroethane
 Concen: 1.071 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

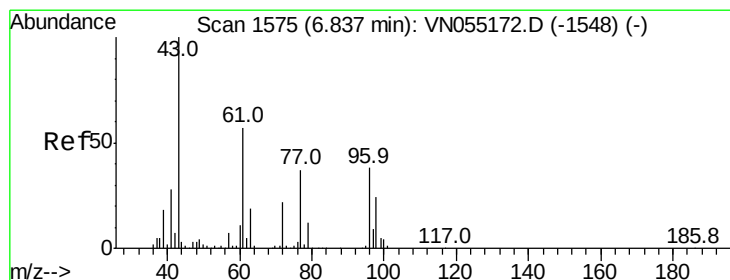
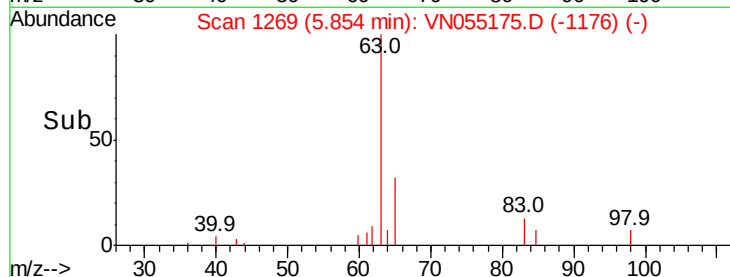
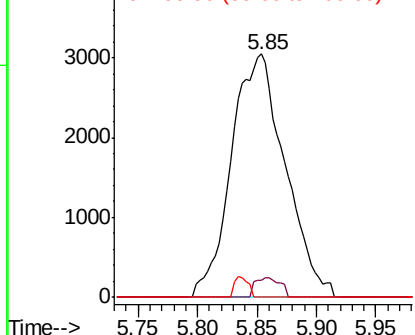
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.1		3.1	9.3
100	0.0		1.8	5.3#

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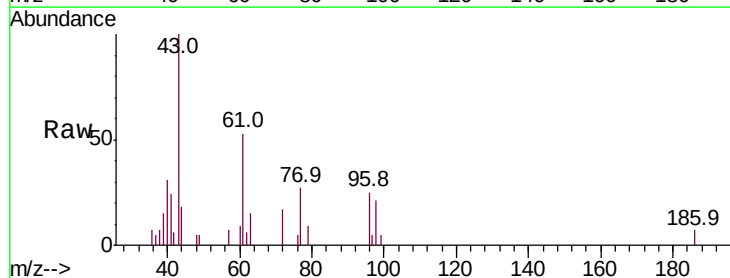


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

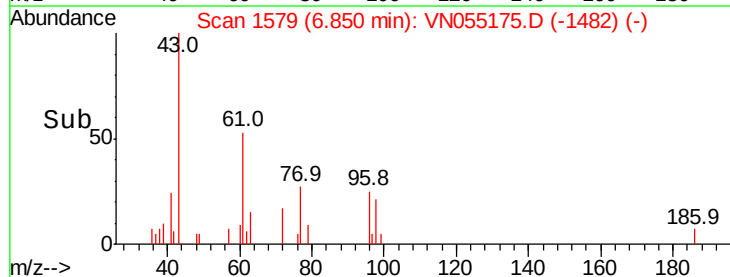
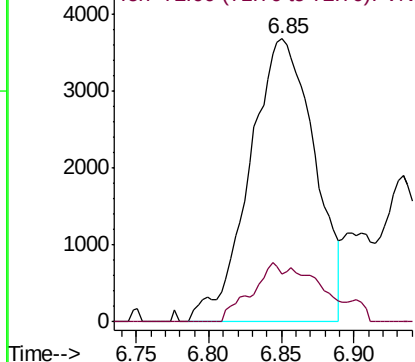


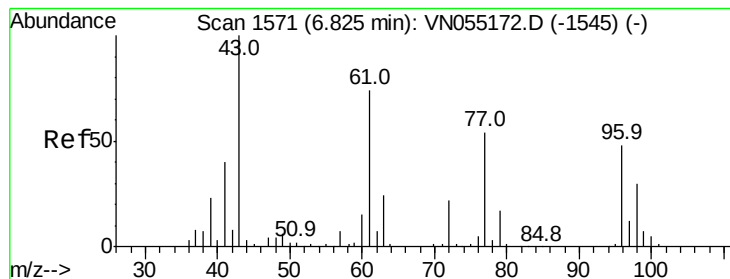
#25
 2-Butanone
 Concen: 4.840 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
72	17.0		17.8	26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 0.997 ug/l m

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 6008

Ion Ratio Lower Upper

77 100

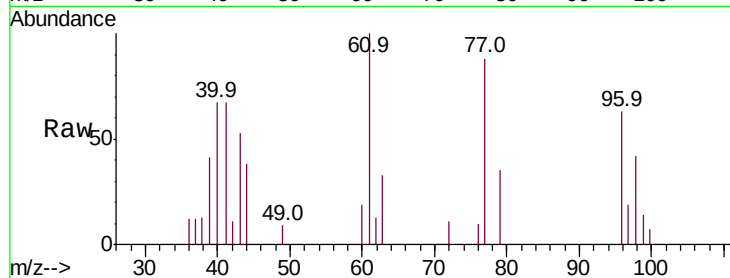
97 6.5 11.3 33.8#

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Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

2000

1500

1000

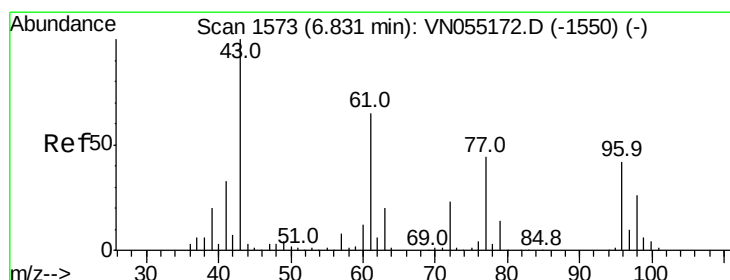
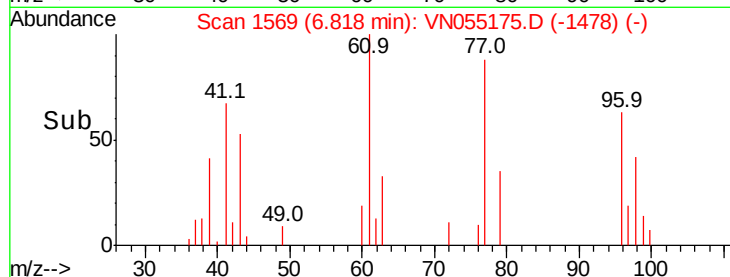
500

0

6.70 6.75 6.80 6.85 6.90

6.82

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.992 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

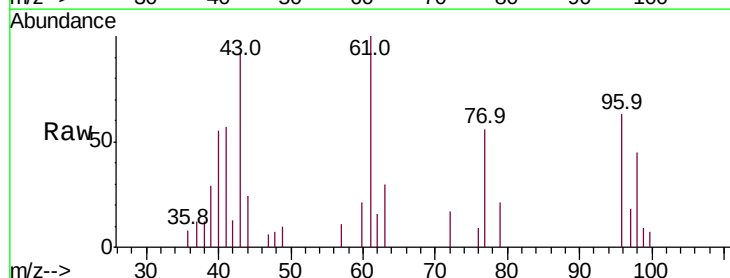
Tgt Ion: 96 Resp: 5038

Ion Ratio Lower Upper

96 100

61 180.5 0.0 310.8

98 75.7 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

4000

3000

2000

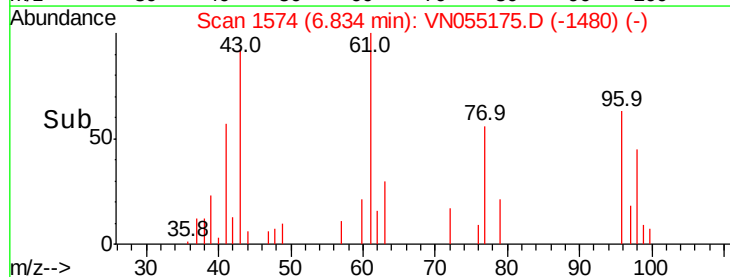
1000

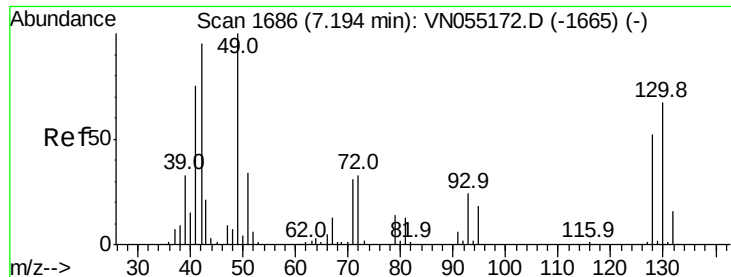
0

6.75 6.80 6.85 6.90

6.83

Time-->





#28

Bromochloromethane

Concen: 1.047 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 4753

Ion Ratio Lower Upper

49 100

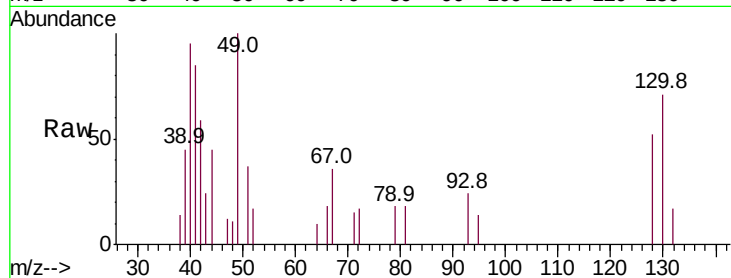
129 0.0 0.0 3.8

130 65.1 53.4 80.2

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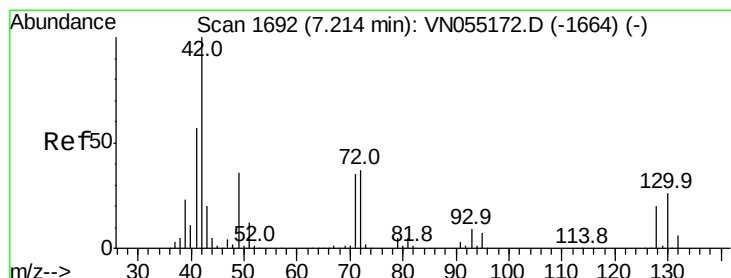
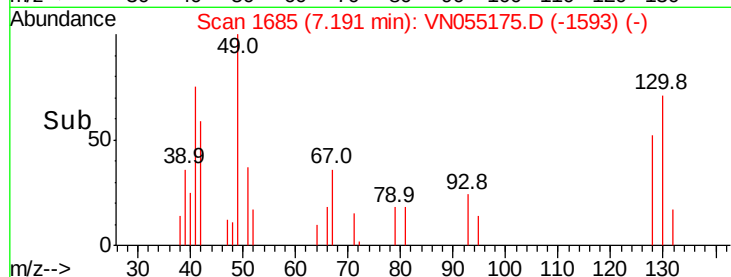
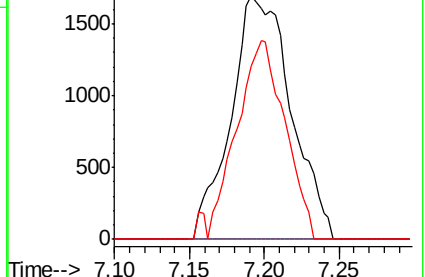
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Abundance Ion 48.90 (48.60 to 49.60): VN055175.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055175.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055175.D (-1665) (-)



#29

Tetrahydrofuran

Concen: 5.945 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

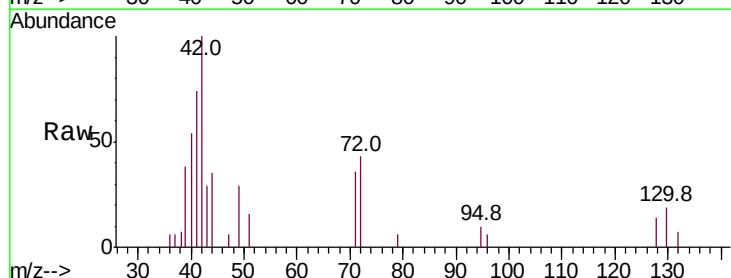
Tgt Ion: 42 Resp: 8818

Ion Ratio Lower Upper

42 100

72 37.0 29.4 44.2

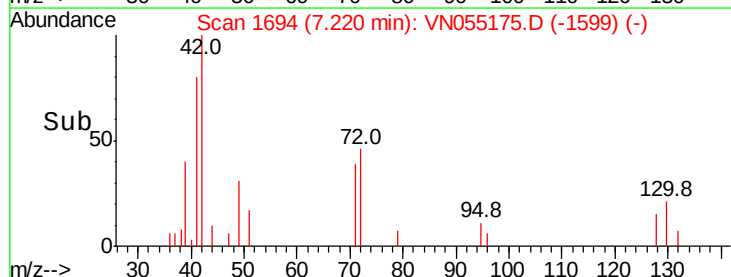
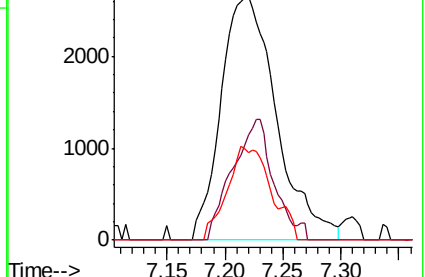
71 30.2 27.8 41.8

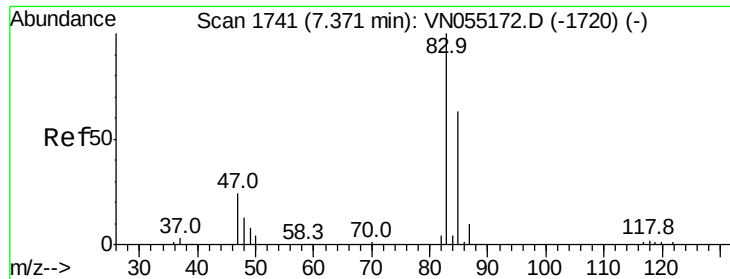


Abundance Ion 42.00 (41.70 to 42.70): VN055175.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN055175.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN055175.D (-1664) (-)





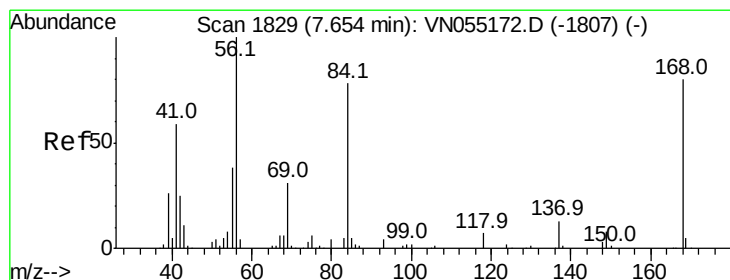
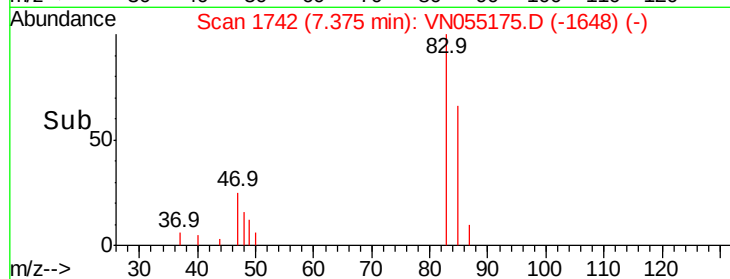
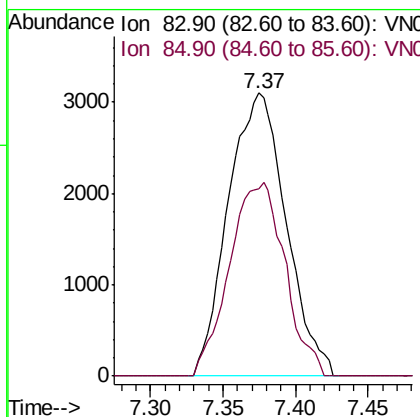
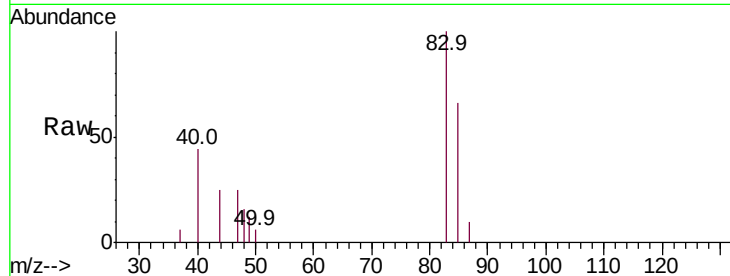
#30
Chloroform
Concen: 1.015 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 8604
Ion Ratio Lower Upper
83 100
85 66.3 50.6 76.0

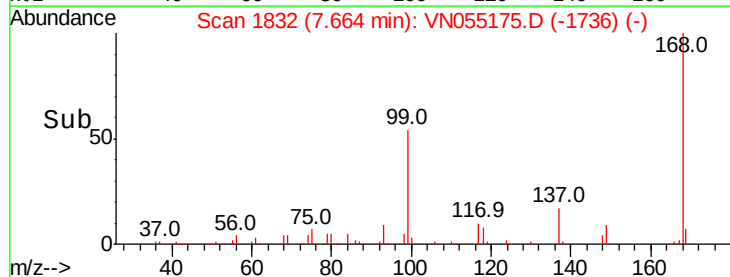
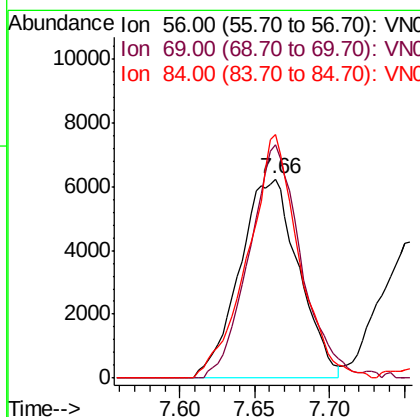
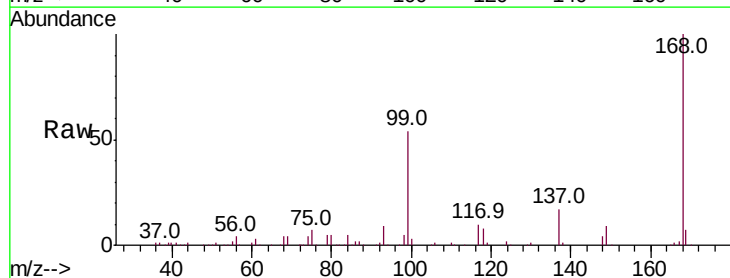
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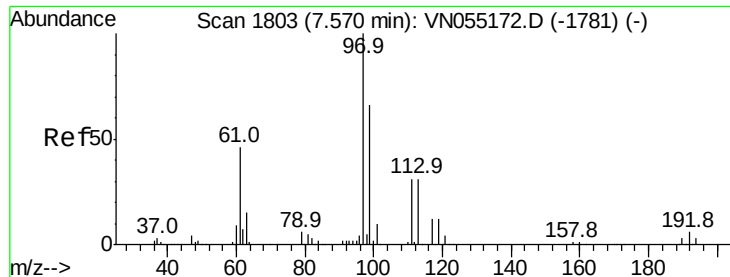
MMDadoda
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#31
Cyclohexane
Concen: 1.673 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 56 Resp: 17112
Ion Ratio Lower Upper
56 100
69 117.2 24.6 37.0#
84 122.3 61.4 92.2#





#32

1,1,1-Trichloroethane

Concen: 1.072 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 7295

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

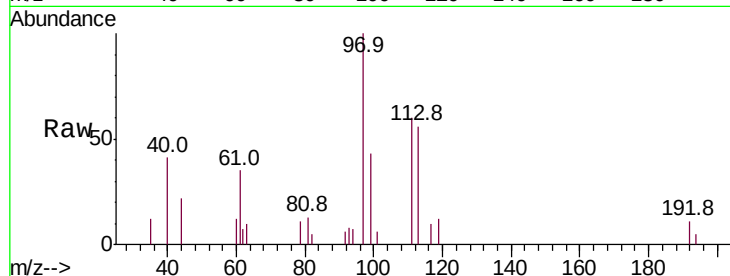
61 44.1 38.3 57.5

Manual Integrations

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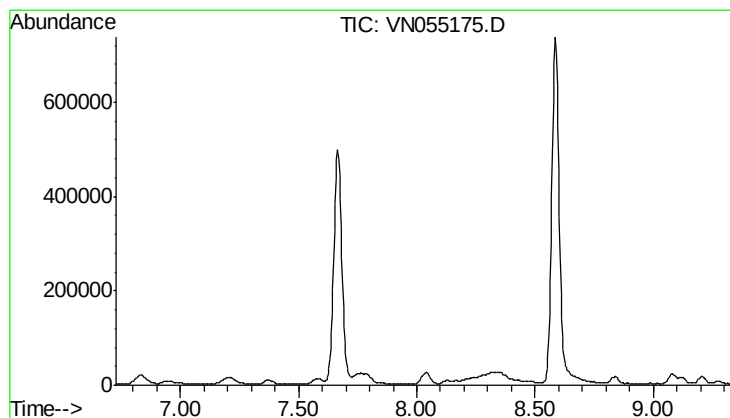
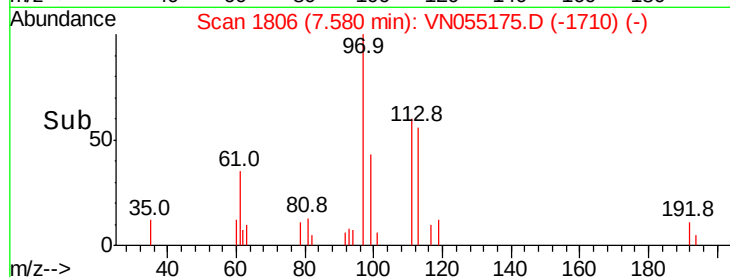
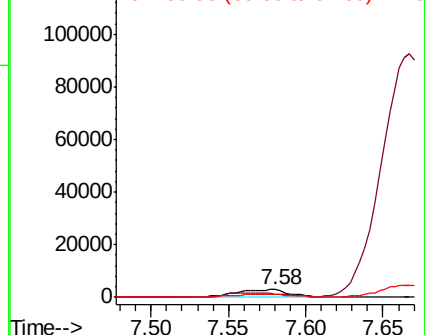


Abundance

Ion 96.90 (96.60 to 97.60): VN055175.D

Ion 98.90 (98.60 to 99.60): VN055175.D

Ion 60.90 (60.60 to 61.60): VN055175.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN055175.D

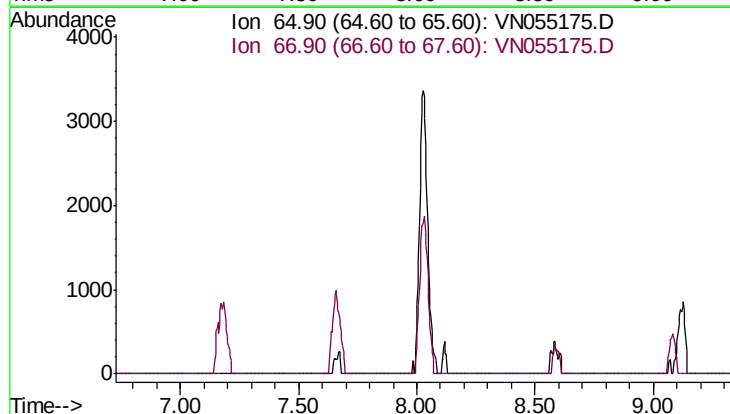
Acq: 22 Apr 2019 11:54

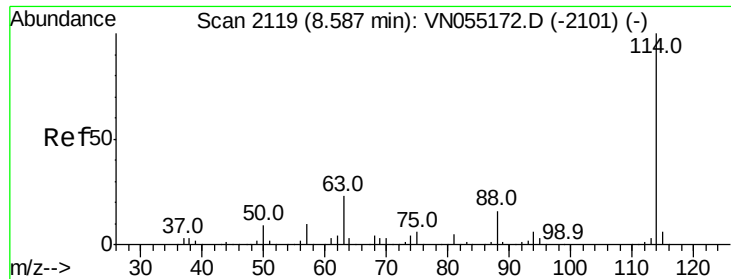
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.3





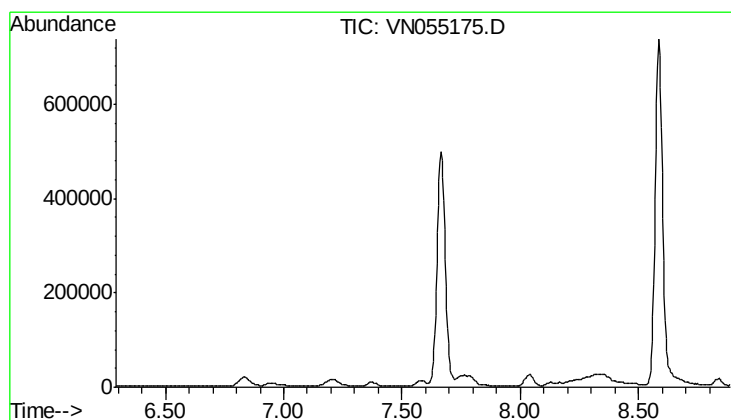
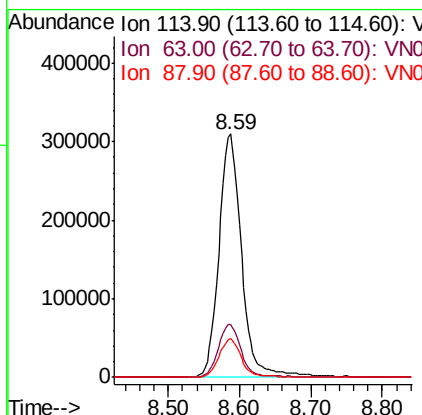
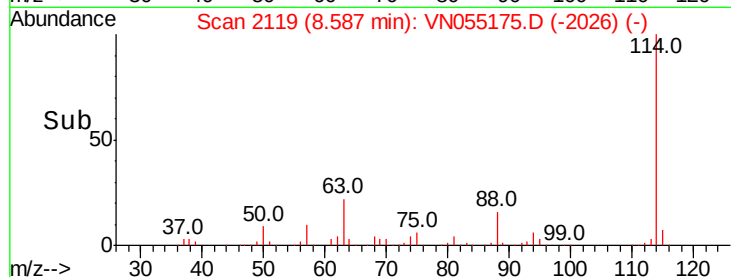
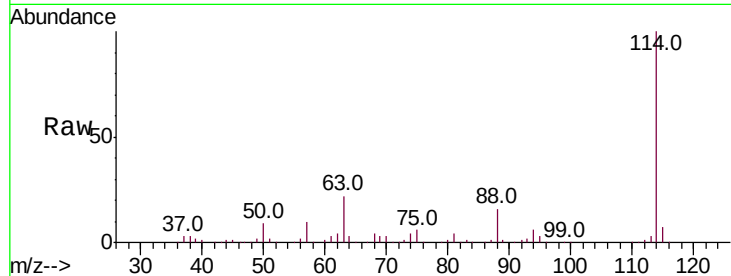
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	21.8	0.0	45.2
88	16.0	0.0	32.8

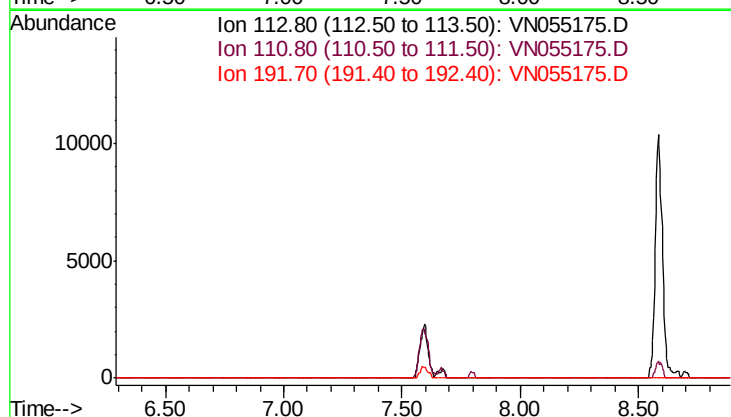
Manual Integrations
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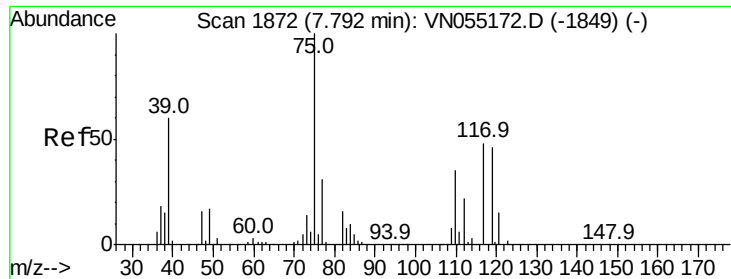
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	Exp Ratio
113	100
111	101.2
192	20.3





#36

1,1-Dichloropropene

Concen: 0.999 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

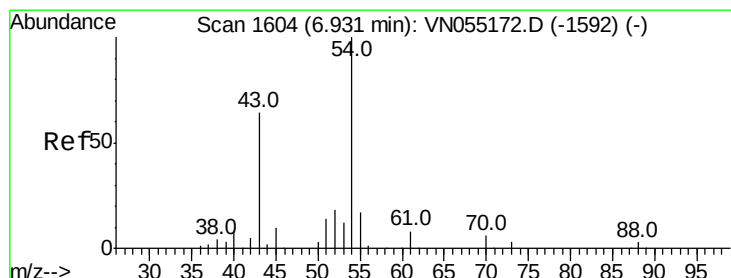
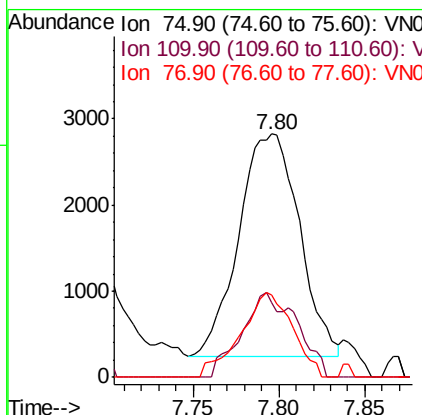
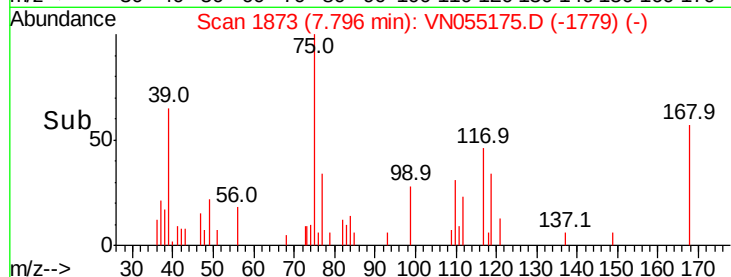
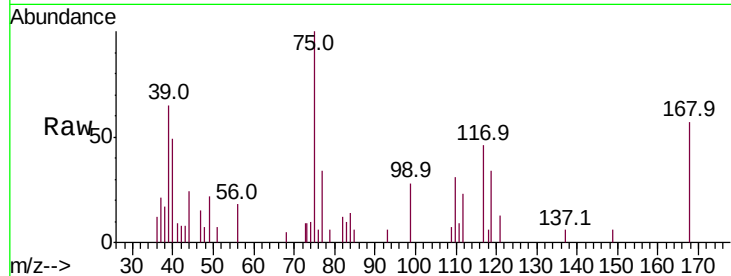
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6335
Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.1	51.2
77	32.6	24.6	36.8

Manual Integrations
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#37

Ethyl Acetate

Concen: 1.068 ug/l m

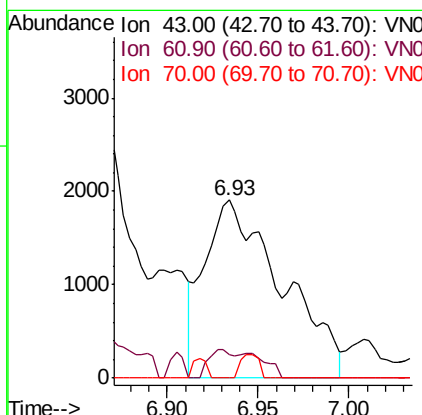
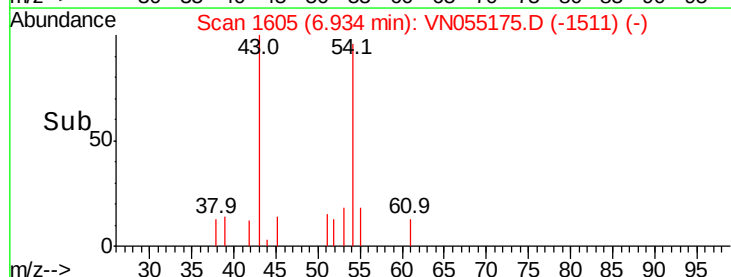
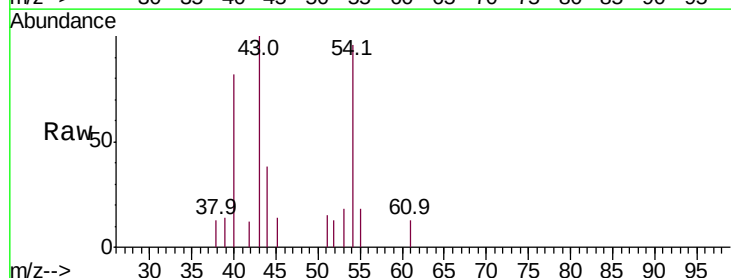
RT: 6.93 min Scan# 1605

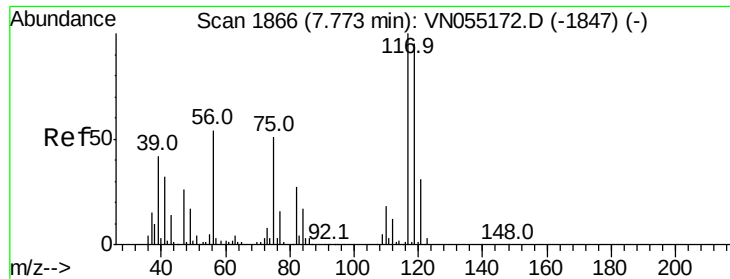
Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion:	43	Resp:	5656
Ion	Ratio	Lower	Upper
43	100		
61	5.2	9.7	14.5#
70	2.0	6.9	10.3#





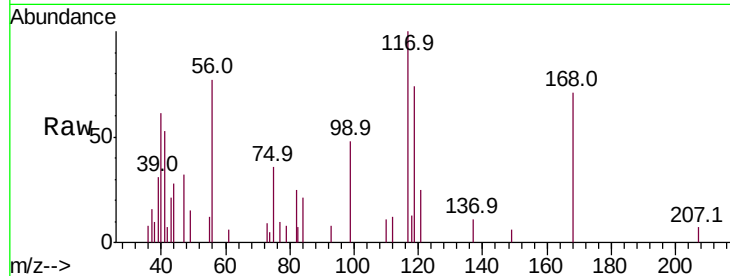
#38
Carbon Tetrachloride
Concen: 1.155 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

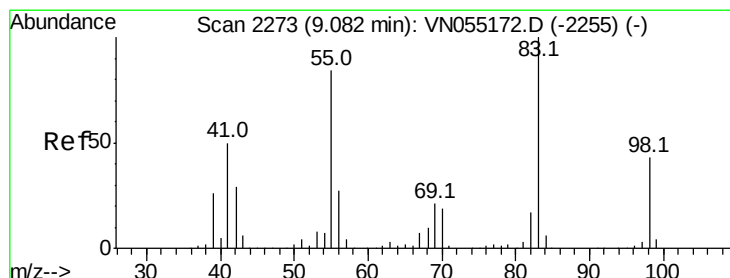
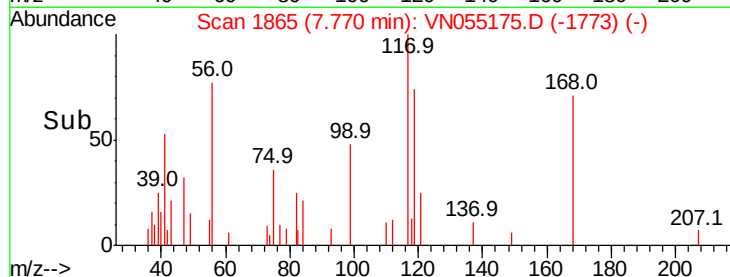
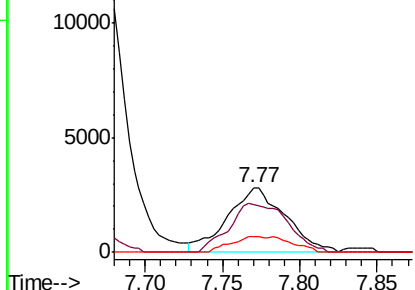
Tot Ion	Ratio	Lower	Upper
117	100		
119	74.1	76.0	114.0#
121	25.1	24.6	36.8

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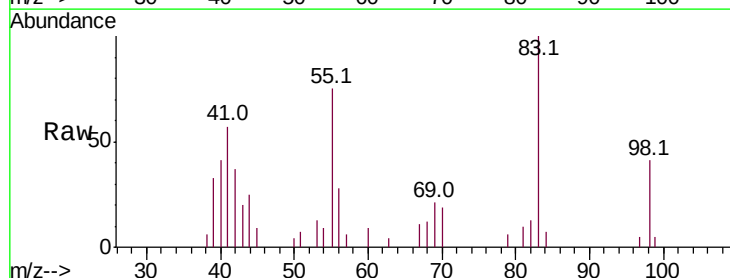


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

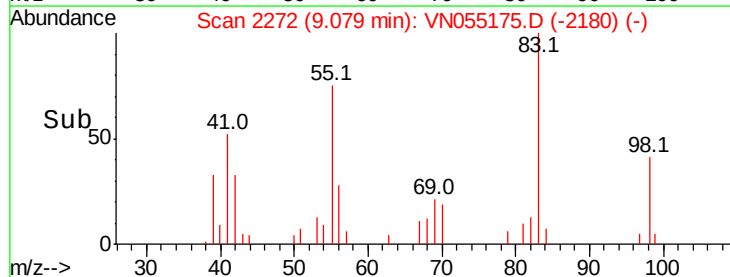
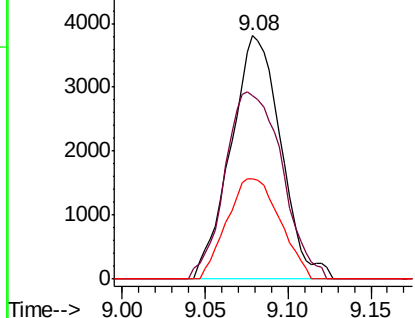


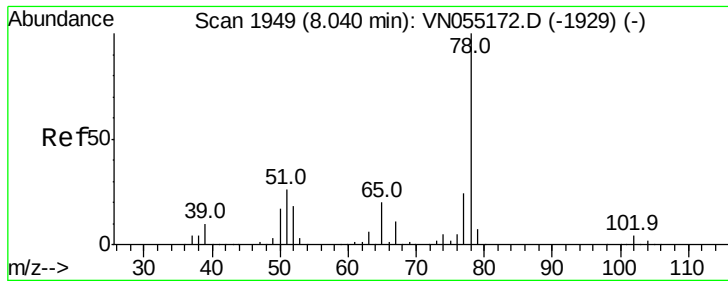
#39
Methylcyclohexane
Concen: 1.056 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.2	67.4	101.0
98	41.2	34.7	52.1



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





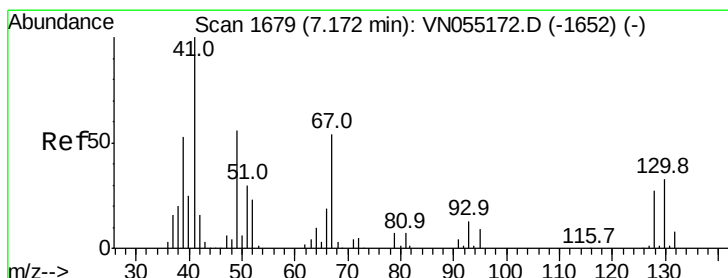
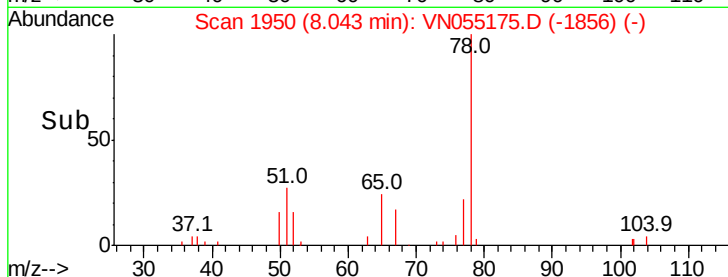
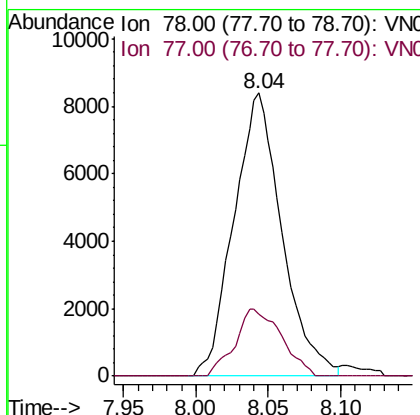
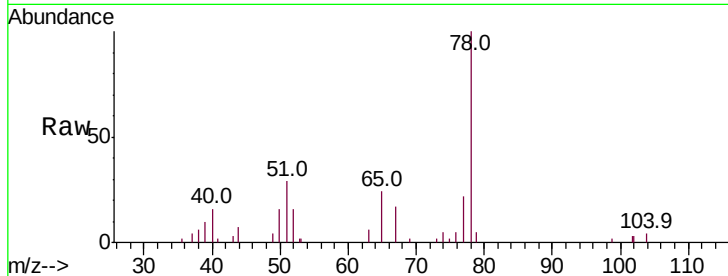
#40
Benzene
Concen: 0.989 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	78	Resp	19342
Ion Ratio	100	Lower	Upper
77	22.1	19.5	29.3

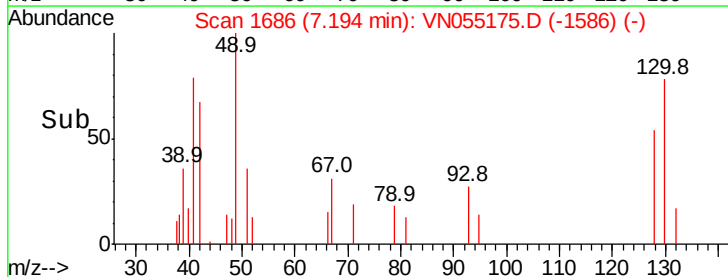
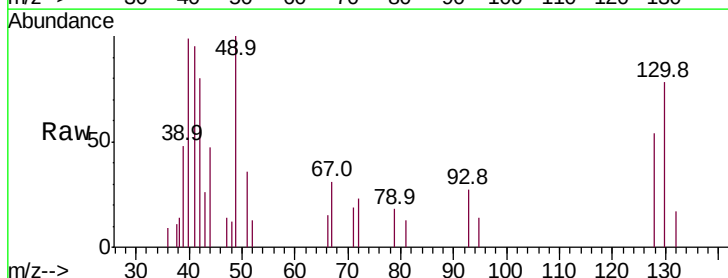
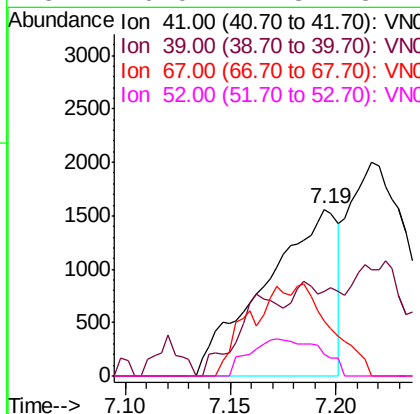
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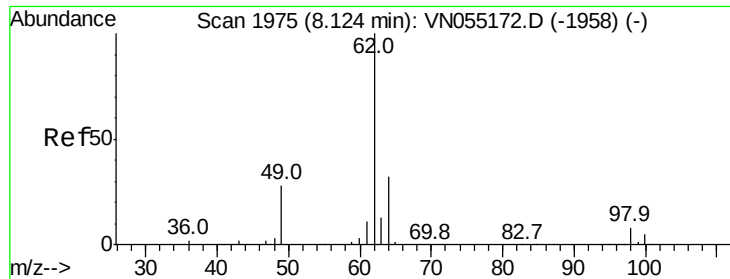
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#41
Methacrylonitrile
Concen: 1.428 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion	41	Resp	3728
Ion Ratio	100	Lower	Upper
39	7.5	45.4	68.0#
67	0.0	54.6	81.8#
52	0.0	22.8	34.2#





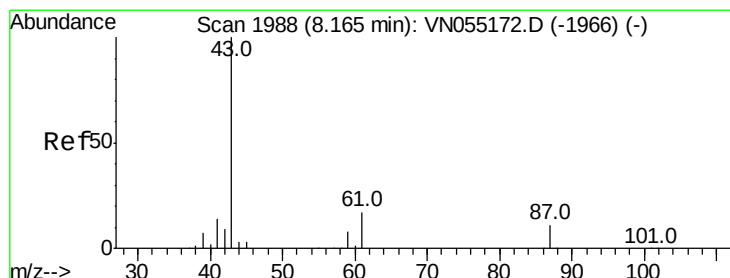
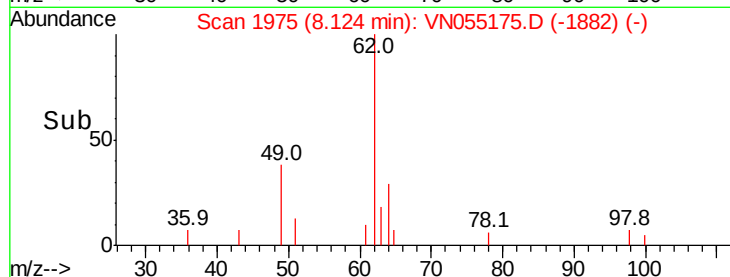
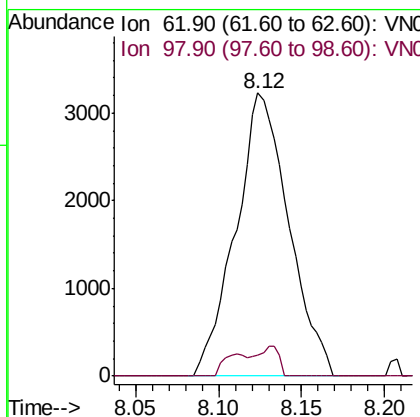
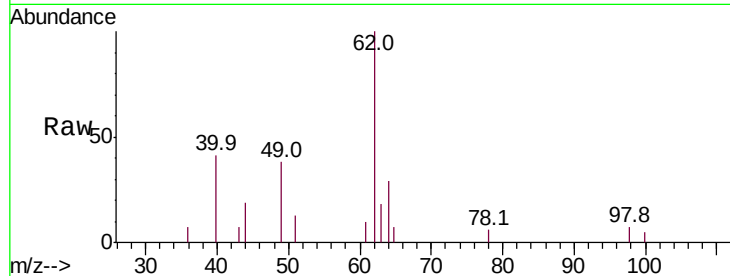
#42
 1,2-Dichloroethane
 Concen: 1.051 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	17.0

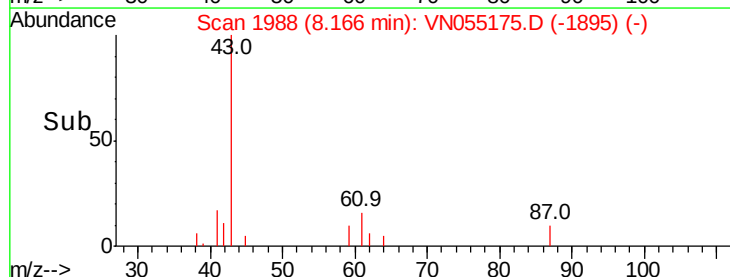
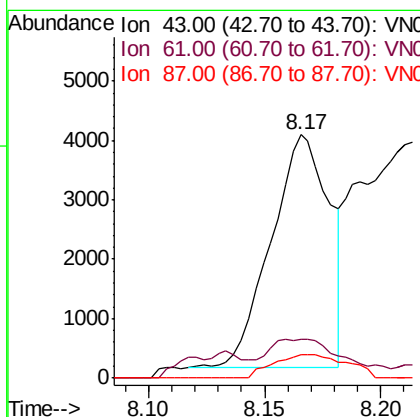
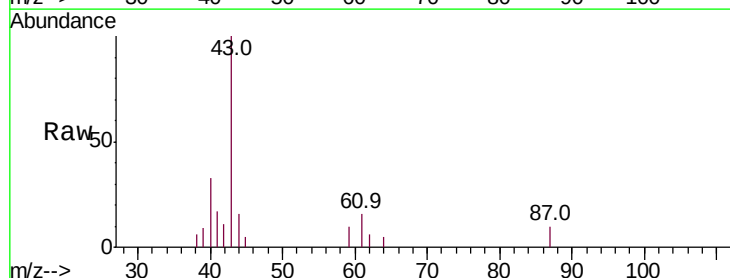
Manual Integrations
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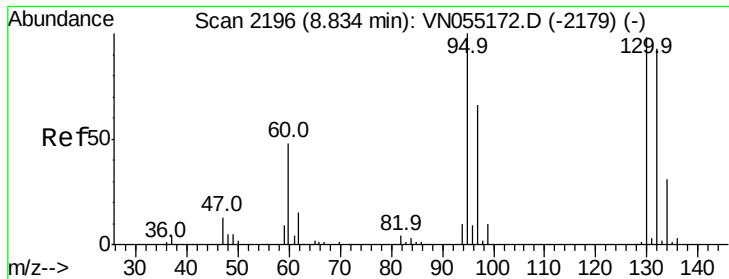
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#43
 Isopropyl Acetate
 Concen: 0.834 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.5	20.6	30.8
87	12.7	8.8	13.2





#44

Trichloroethene

Concen: 1.105 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 5465

Ion Ratio Lower Upper

130 100

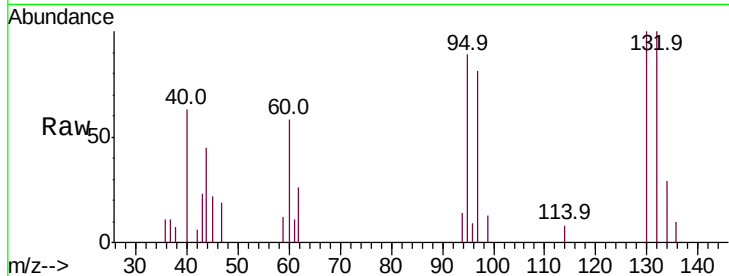
95 89.2 0.0 203.6

Manual Integrations

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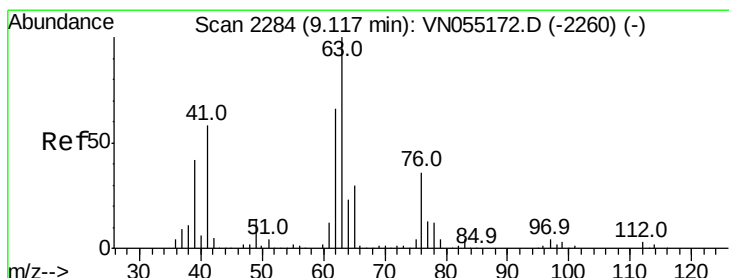
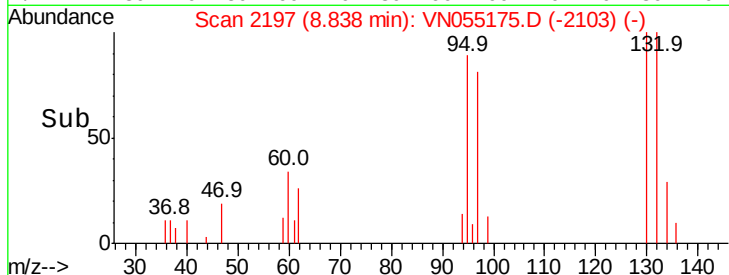
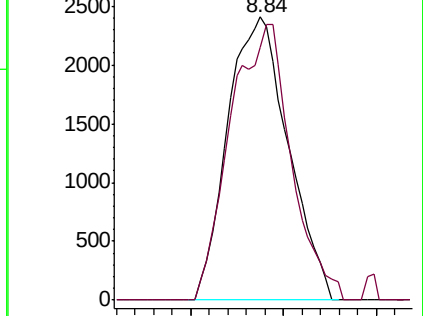
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.010 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055175.D

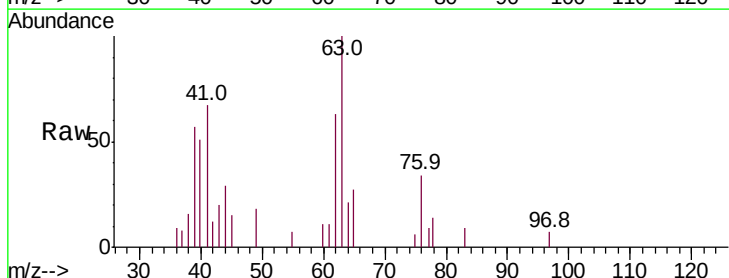
Acq: 22 Apr 2019 11:54

Tgt Ion: 63 Resp: 5580

Ion Ratio Lower Upper

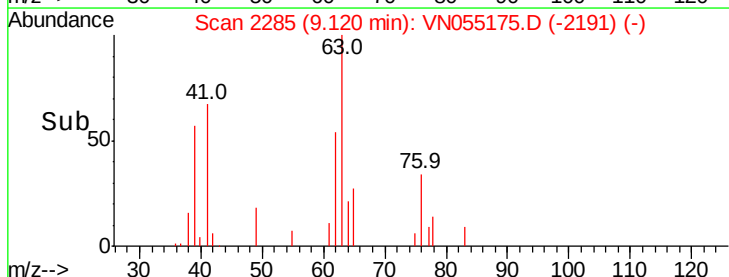
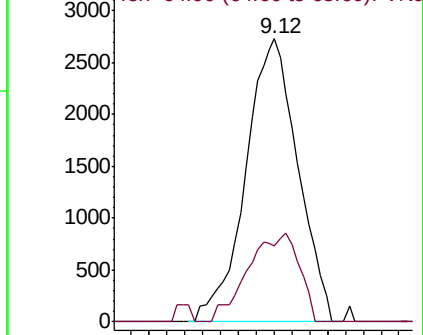
63 100

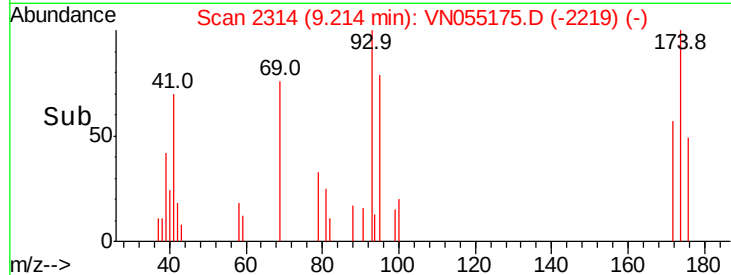
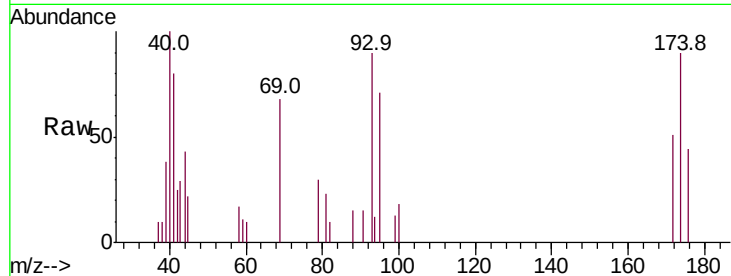
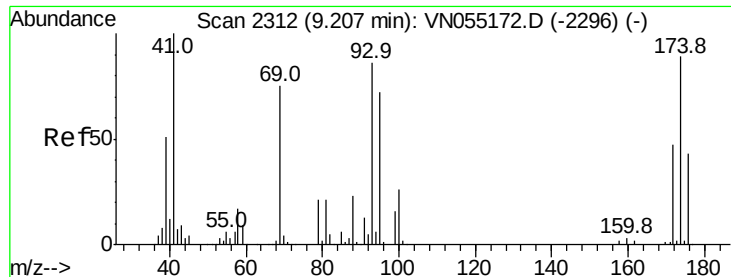
65 26.8 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





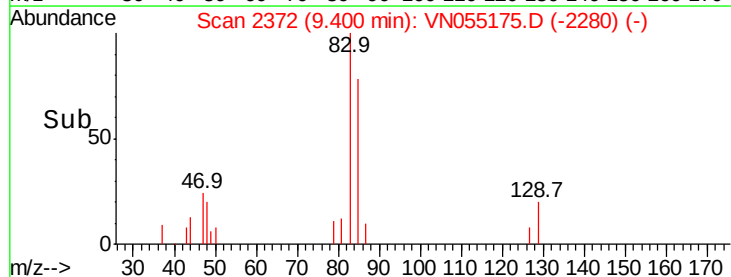
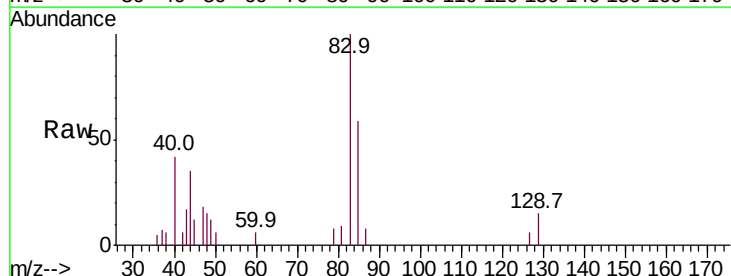
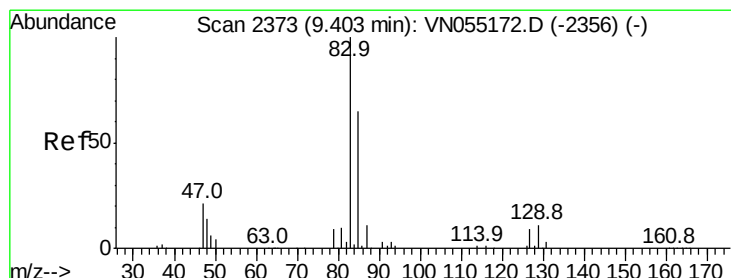
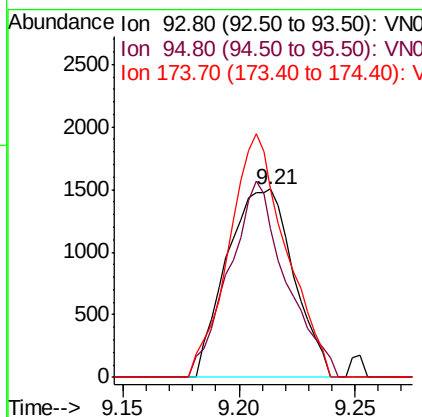
#46
Dibromomethane
Concen: 0.950 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tot Ion: 93 Resp: 3003
Ion Ratio Lower Upper
93 100
95 89.4 67.6 101.4
174 110.7 83.4 125.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

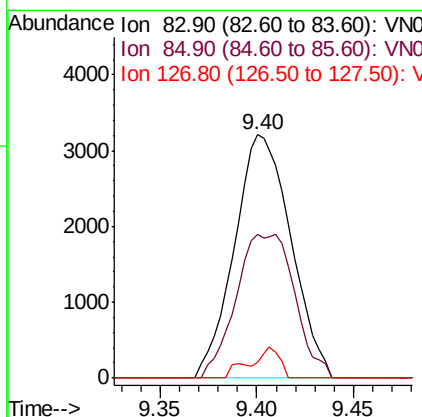
Manual Integrations
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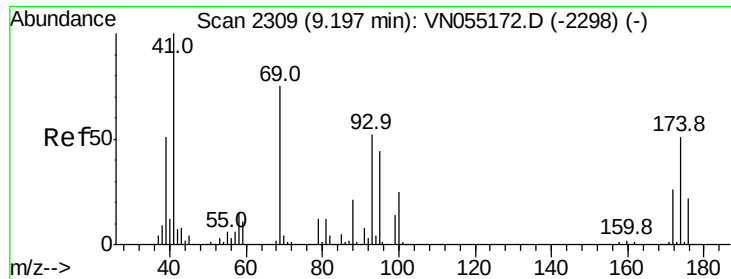
MMDadoda
4/23/2019 1:46:54 PM



#47
Bromodichloromethane
Concen: 1.028 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 83 Resp: 6505
Ion Ratio Lower Upper
83 100
85 59.0 52.1 78.1
127 6.3 6.9 10.3#





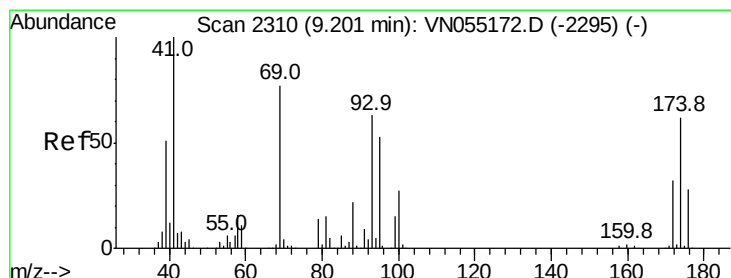
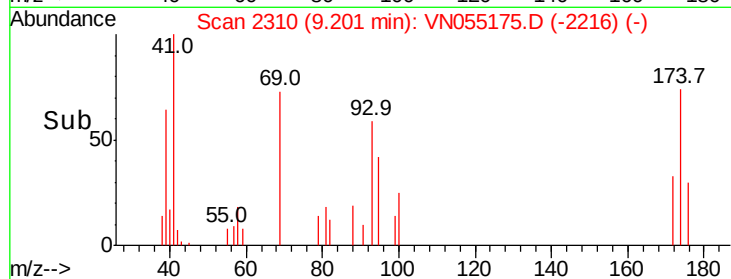
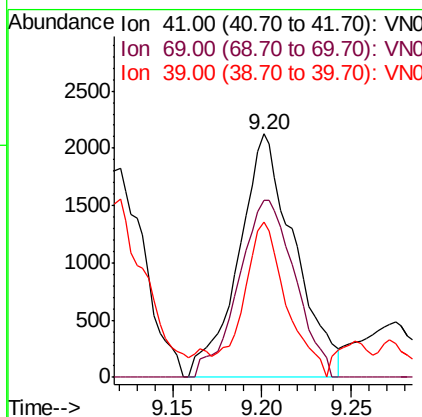
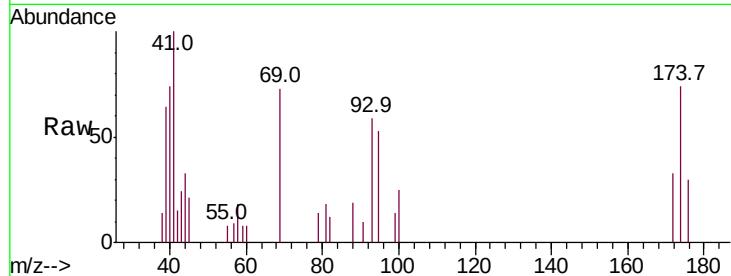
#48
Methyl methacrylate
Concen: 1.158 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.2	63.6	95.4
39	49.2	43.8	65.8

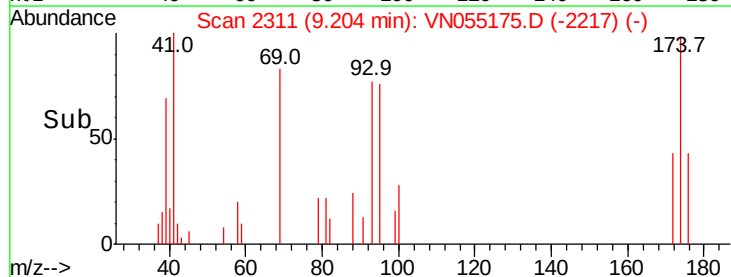
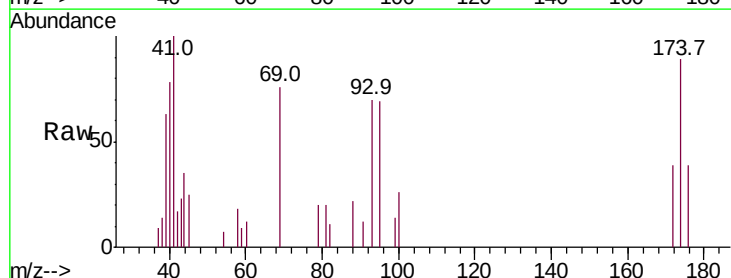
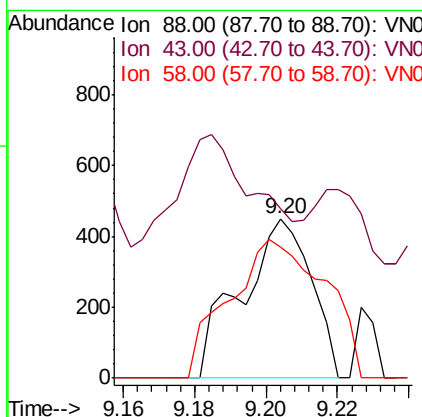
Manual Integrations
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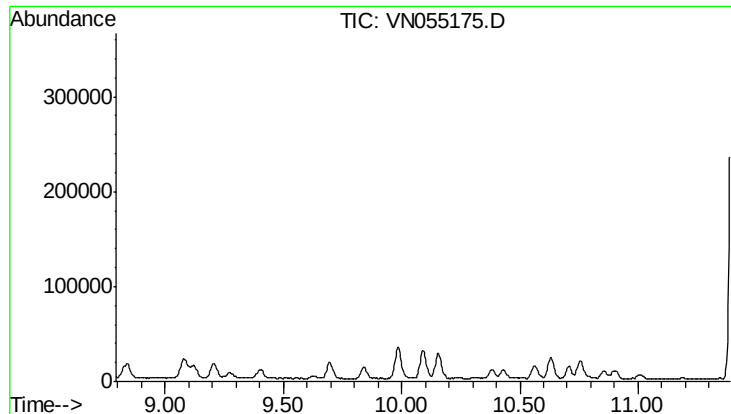
MMDadoda
4/23/2019 1:46:54 PM



#49
1,4-Dioxane
Concen: 13.146 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
88	100		
43	88.4	32.0	48.0#
58	118.9	60.4	90.6#





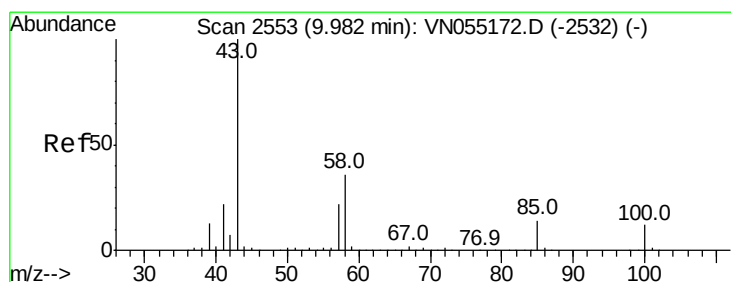
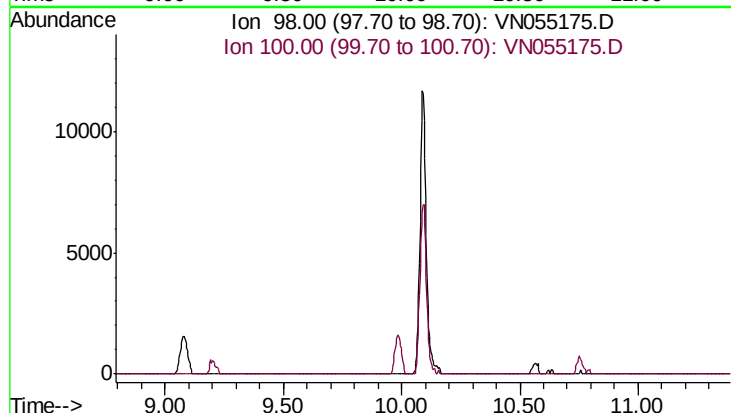
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.7

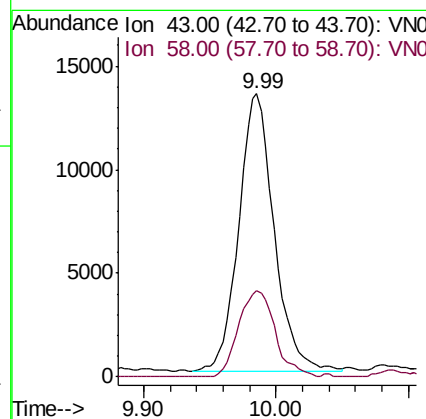
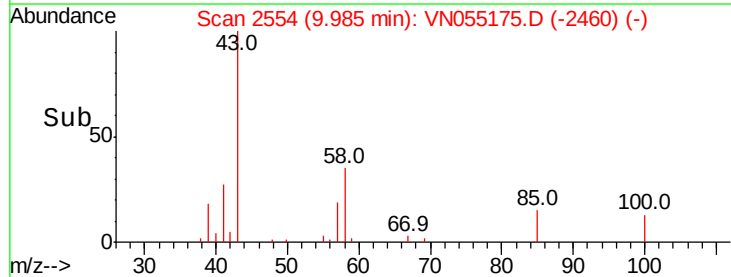
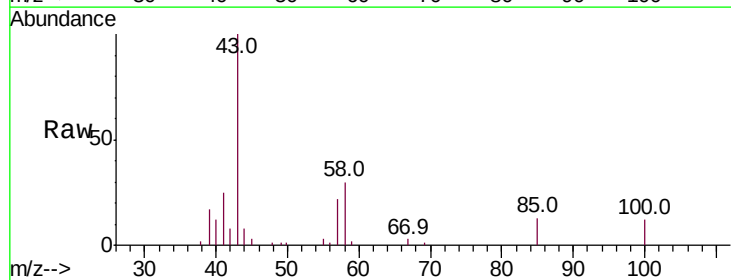
Manual Integrations
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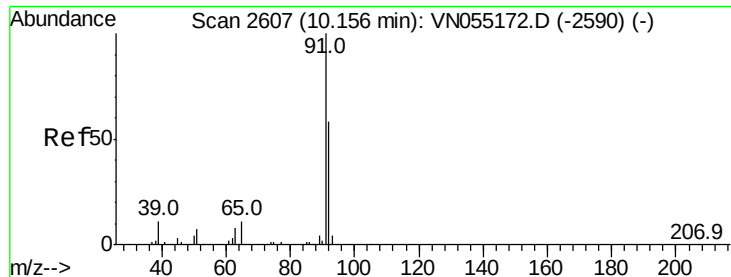
MMDadoda
4/23/2019 1:46:54 PM



#51
4-Methyl-2-Pentanone
Concen: 5.232 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 24940
Ion Ratio Lower Upper
43 100
58 32.0 28.3 42.5





#52

Toluene

Concen: 0.955 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10959

Ion Ratio Lower Upper

92 100

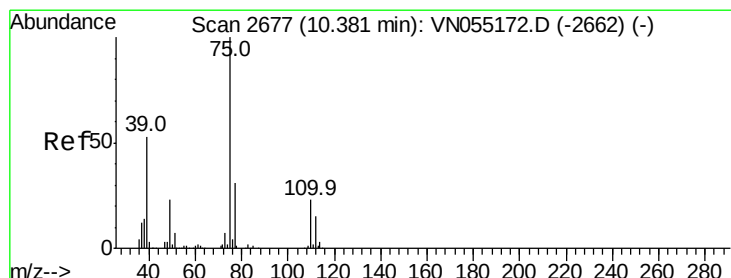
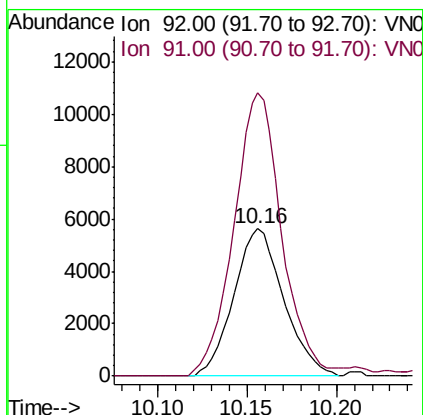
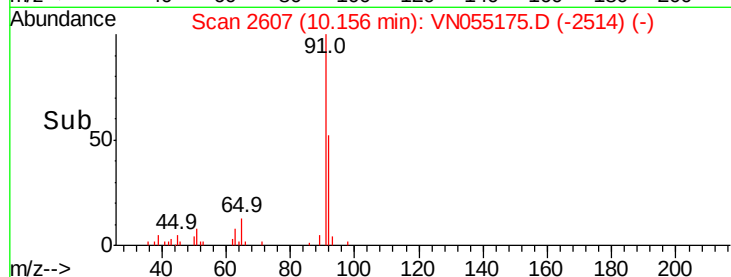
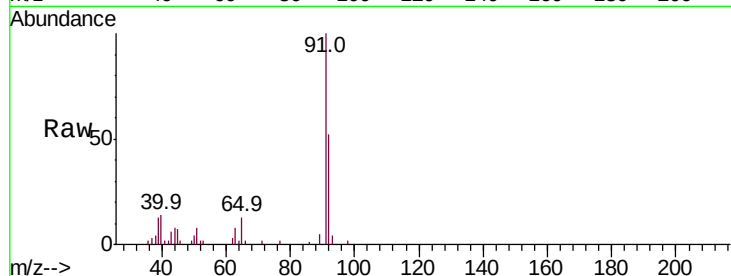
91 183.5 138.7 208.1

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.929 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055175.D

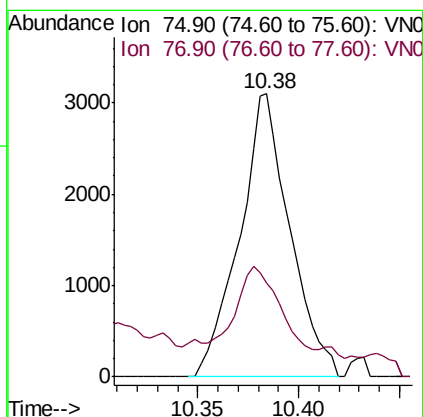
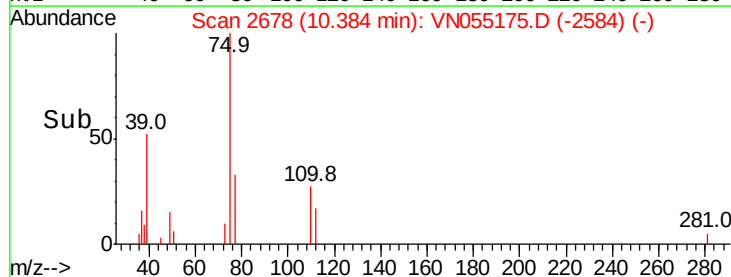
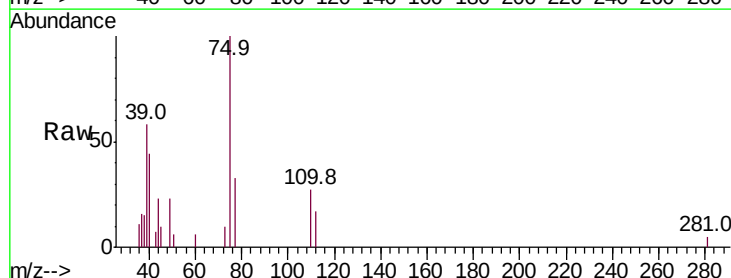
Acq: 22 Apr 2019 11:54

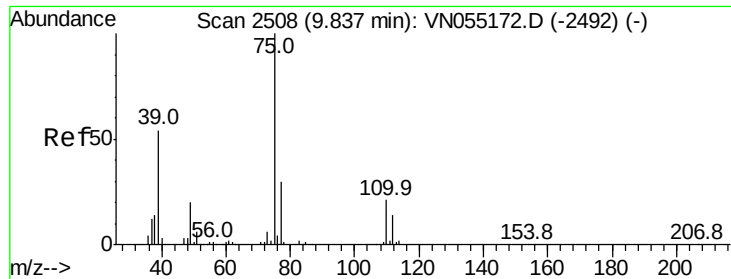
Tgt Ion: 75 Resp: 5396

Ion Ratio Lower Upper

75 100

77 25.0 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 0.955 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

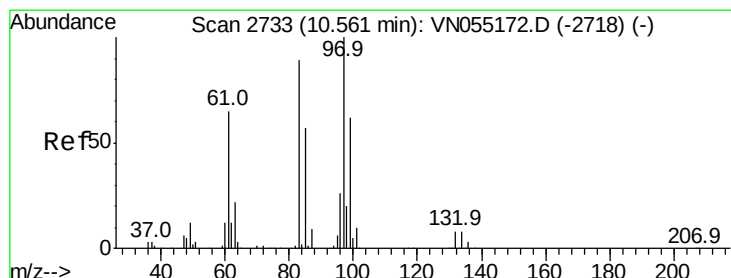
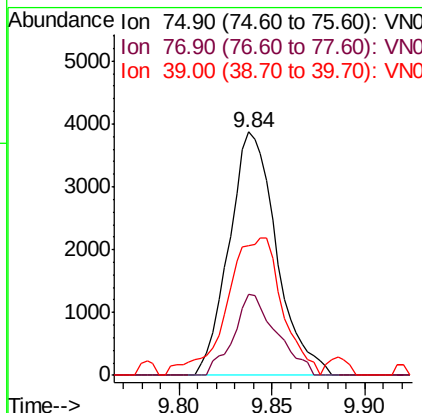
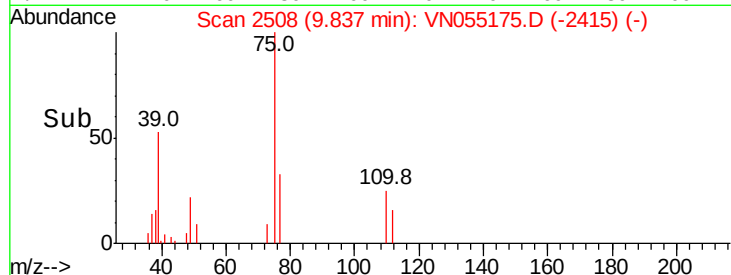
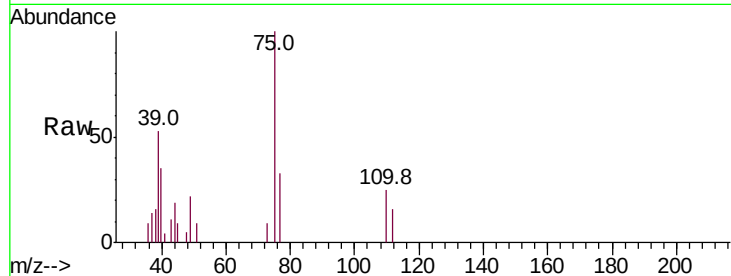
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6882
Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.3	36.5
39	47.9	43.0	64.4

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.125 ug/l

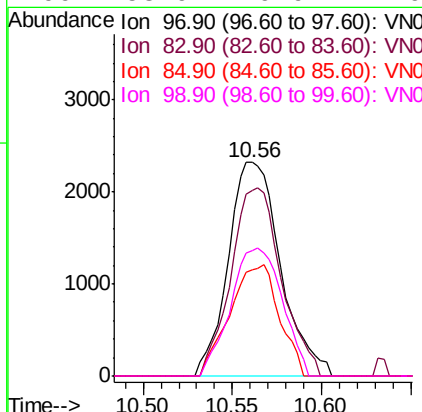
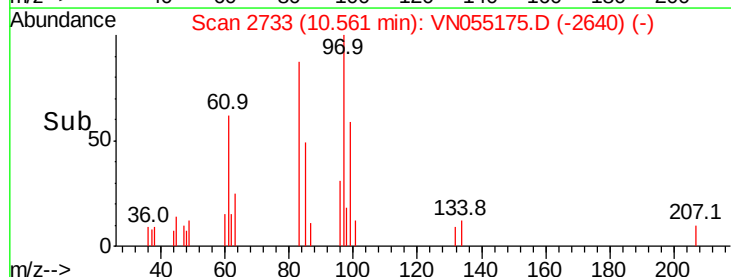
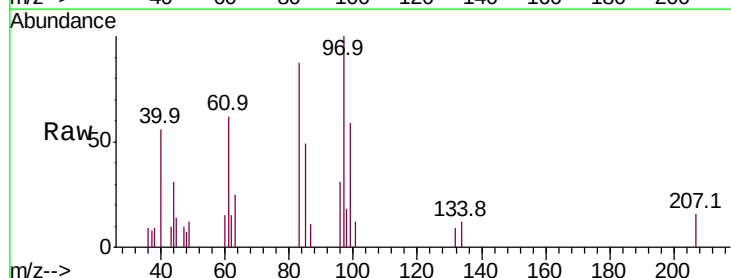
RT: 10.56 min Scan# 2733

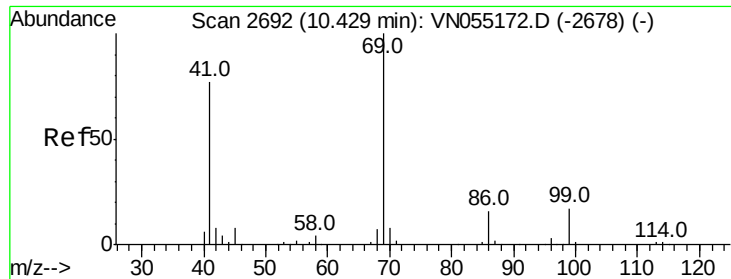
Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion:	97	Resp:	4758
Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.5	107.3
85	49.5	45.8	68.6
99	58.9	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.933 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

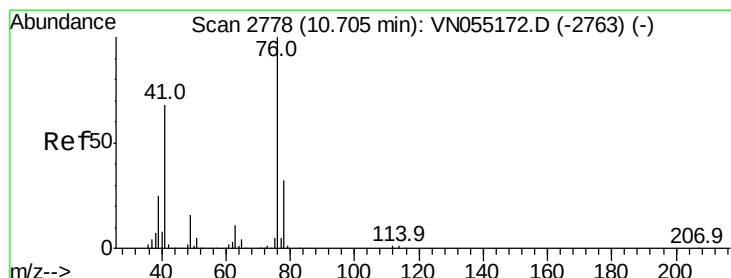
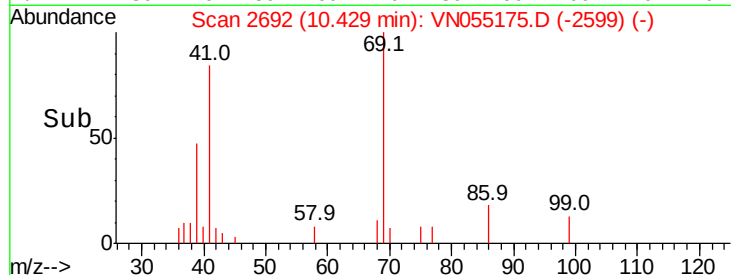
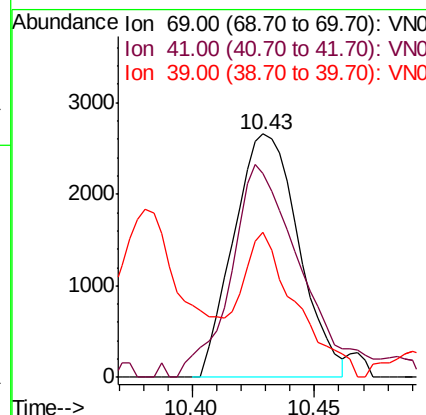
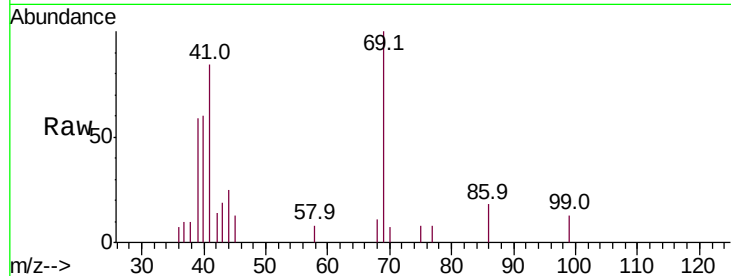
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4915
Ion Ratio	Lower	Upper	
69	100		
41	93.6	60.6	90.8#
39	50.6	31.7	47.5#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.016 ug/l

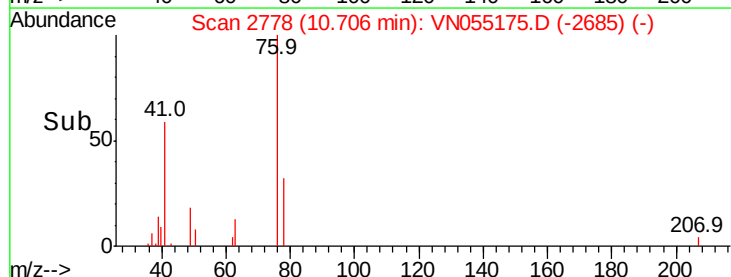
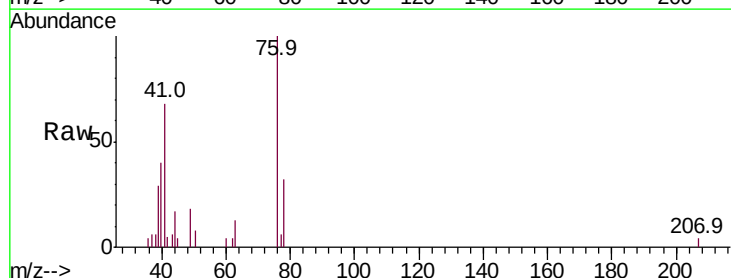
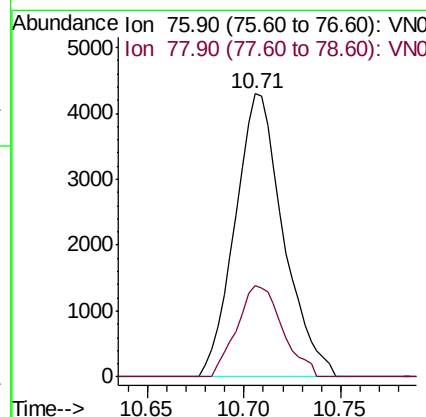
RT: 10.71 min Scan# 2778

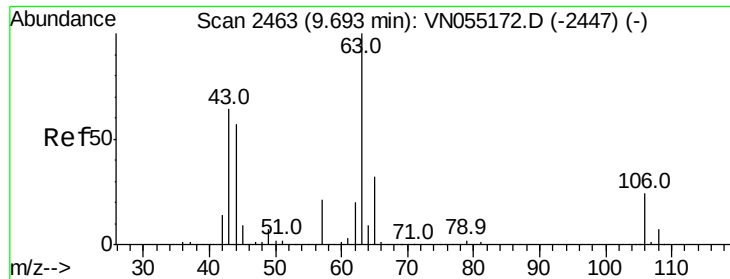
Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion:	76	Resp:	7479
Ion Ratio	Lower	Upper	
76	100		
78	30.3	25.3	37.9





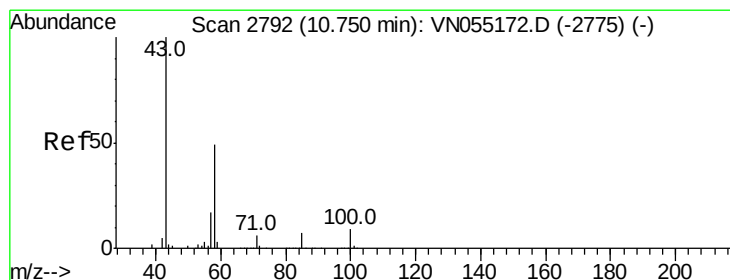
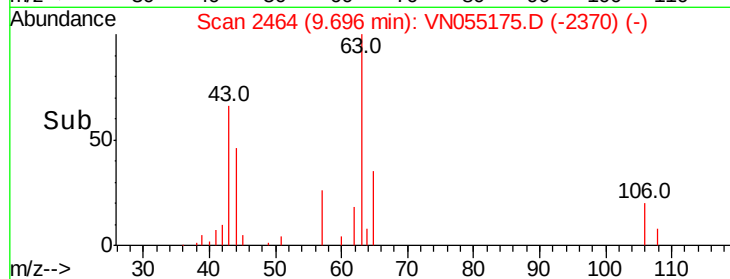
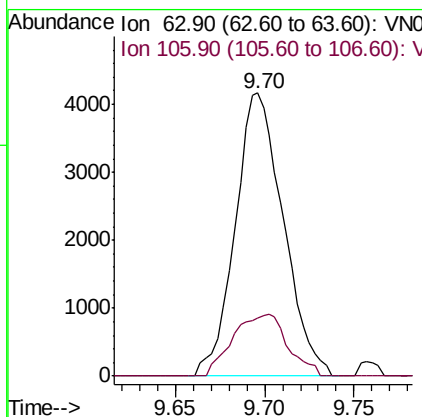
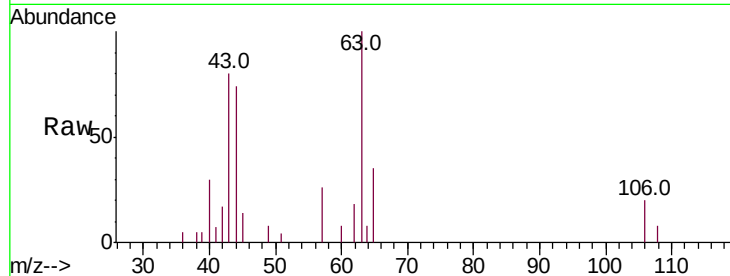
#58
2-Chloroethyl Vinyl ether
Concen: 4.620 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 7847
Ion Ratio Lower Upper
63 100
106 24.8 19.4 29.0

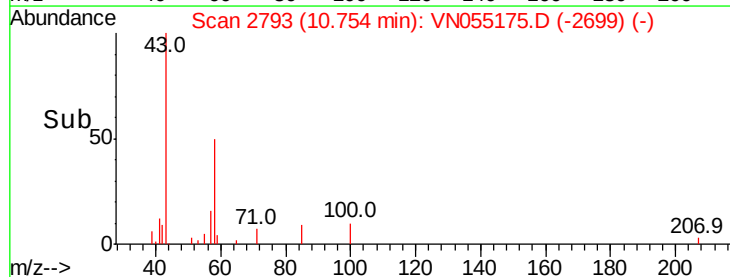
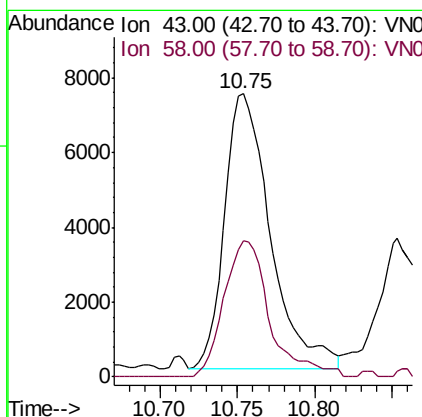
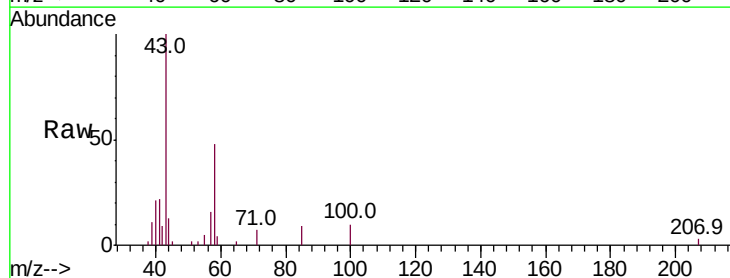
Manual Integrations
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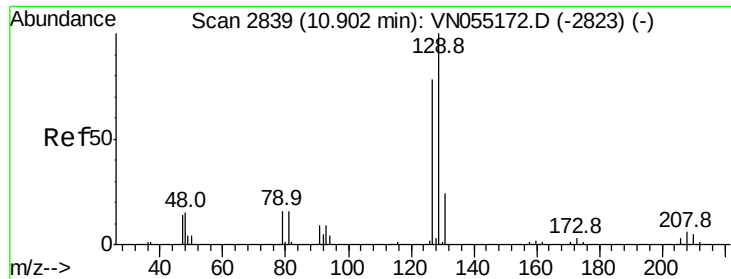
MMDadoda
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#59
2-Hexanone
Concen: 5.049 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 15203
Ion Ratio Lower Upper
43 100
58 49.3 24.5 73.5





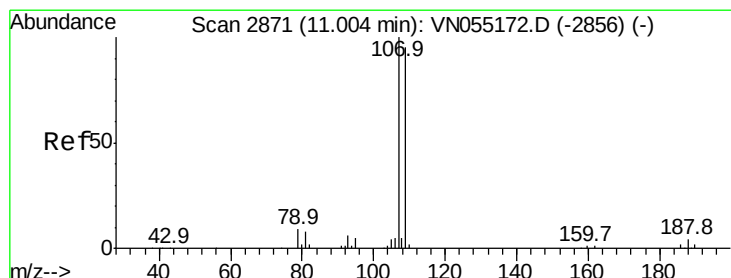
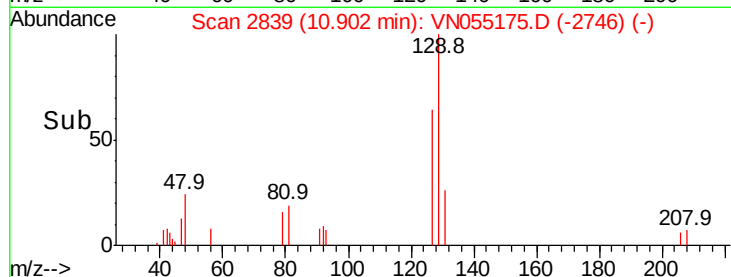
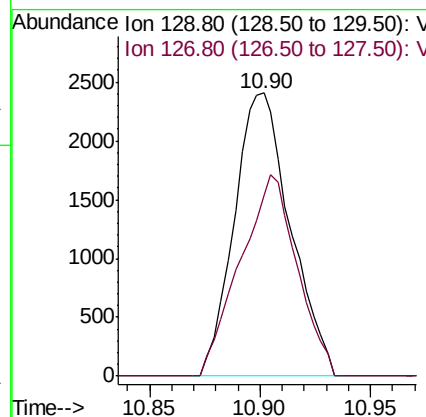
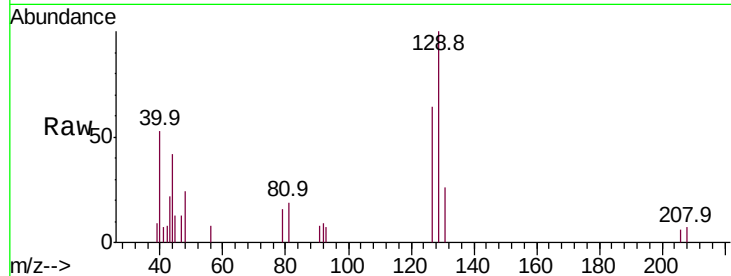
#60
 Dibromochloromethane
 Concen: 0.973 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:129 Resp: 4240
 Ion Ratio Lower Upper
 129 100
 127 72.1 39.0 117.0

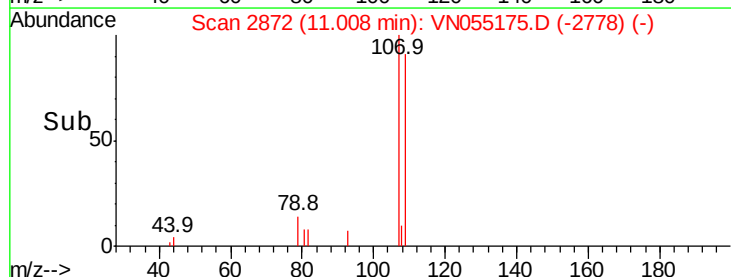
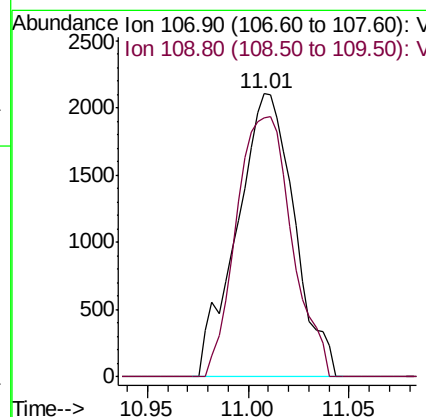
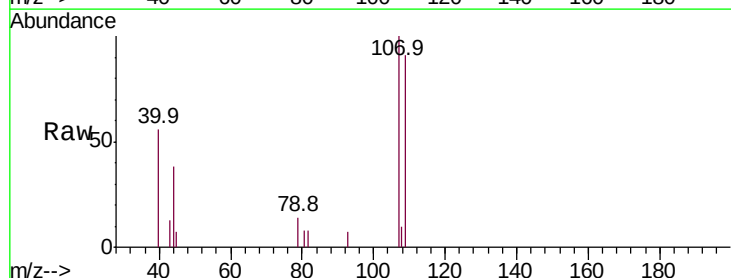
Manual Integrations
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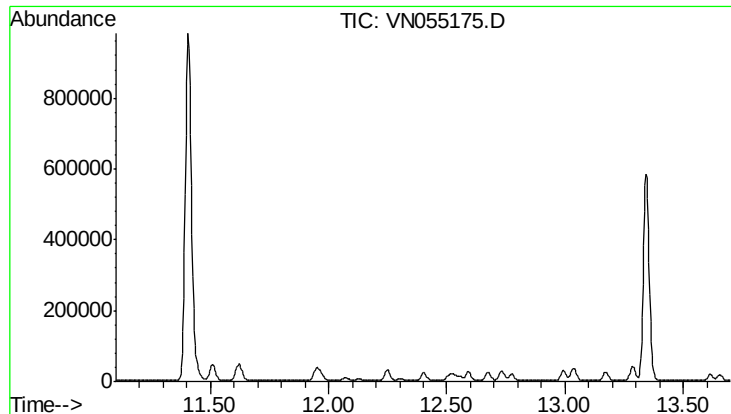
MMDadoda
 4/23/2019 1:46:54 PM



#61
 1,2-Dibromoethane
 Concen: 1.054 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion:107 Resp: 4189
 Ion Ratio Lower Upper
 107 100
 109 89.2 75.8 113.6





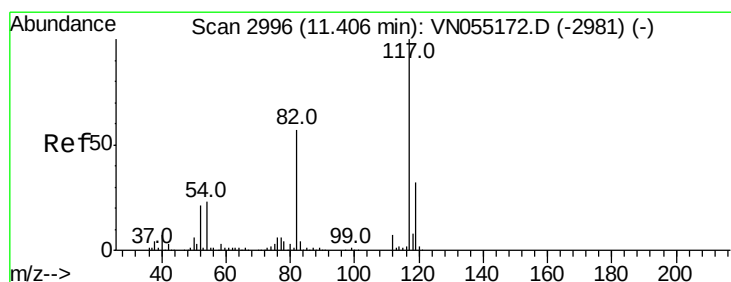
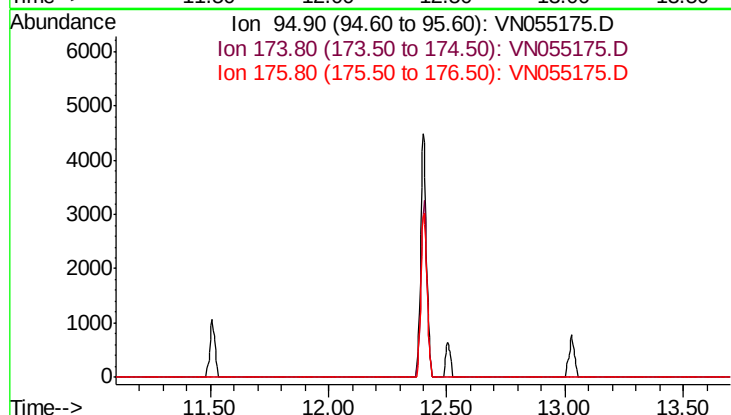
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

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

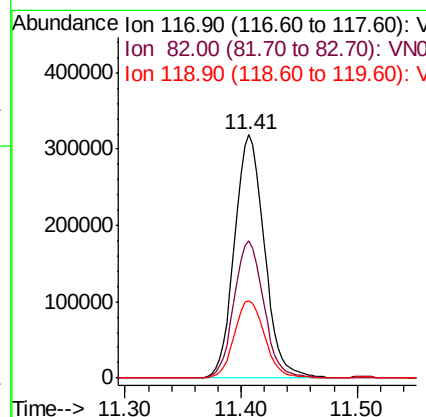
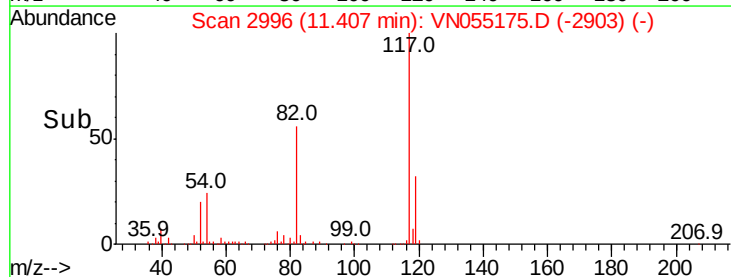
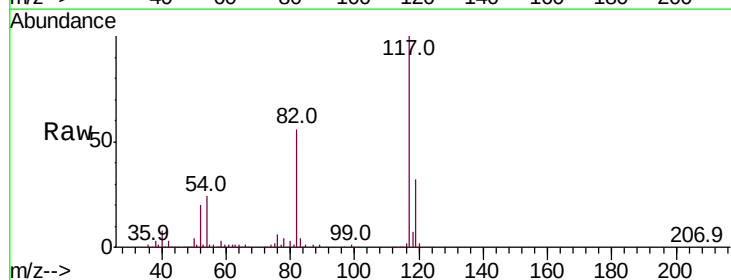
Manual Integrations
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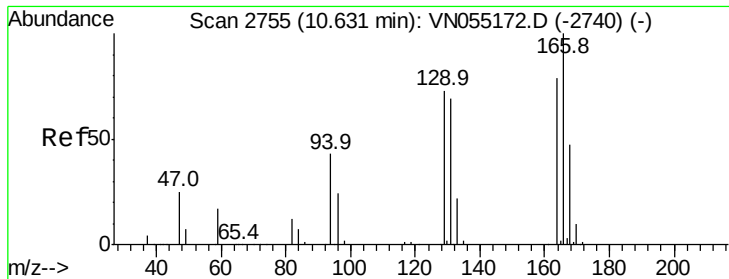
MMDadoda
 4/23/2019 1:46:54 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	117	Resp	571538
Ion Ratio	Lower	Upper	
117	100		
82	56.2	45.7	68.5
119	32.0	25.4	38.2





#64

Tetrachloroethene

Concen: 1.123 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5237

Ion Ratio Lower Upper

164 100

166 123.1 101.9 152.9

129 84.7 74.1 111.1

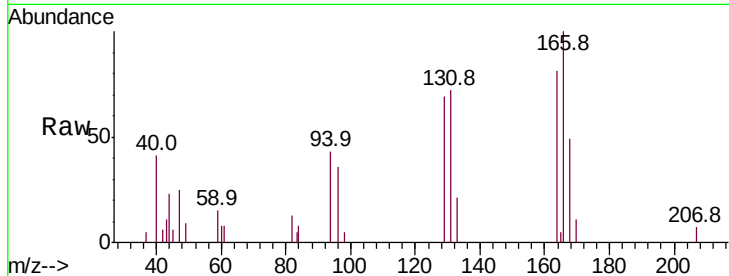
131 88.6 70.6 106.0

Manual Integrations

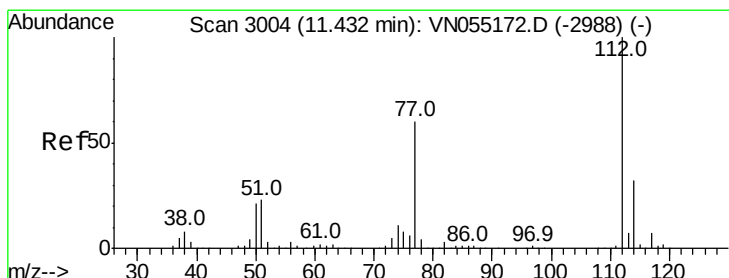
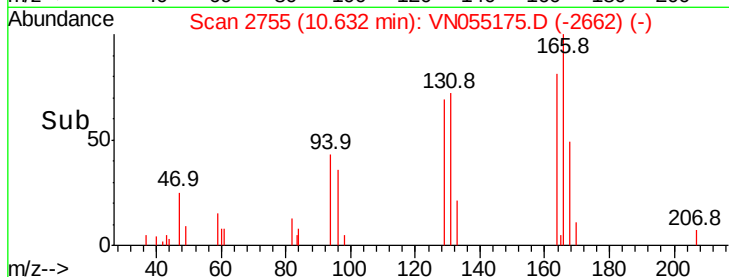
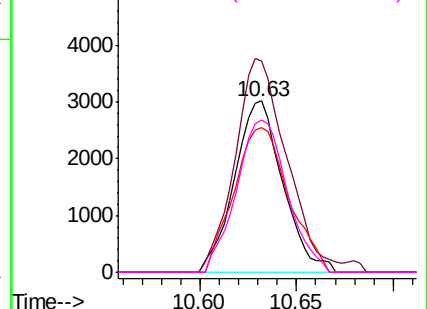
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.036 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055175.D

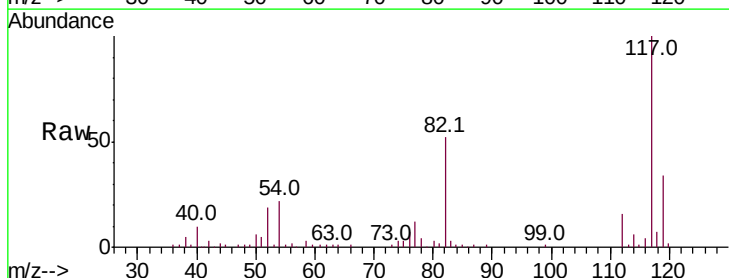
Acq: 22 Apr 2019 11:54

Tgt Ion:112 Resp: 12082

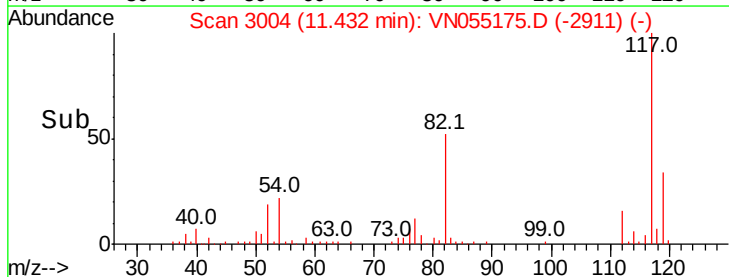
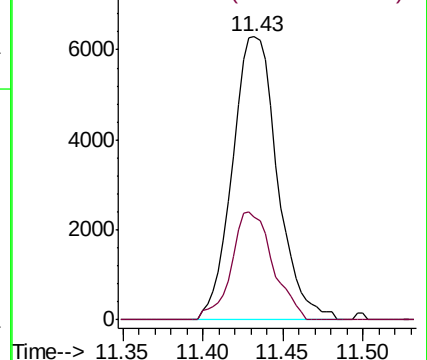
Ion Ratio Lower Upper

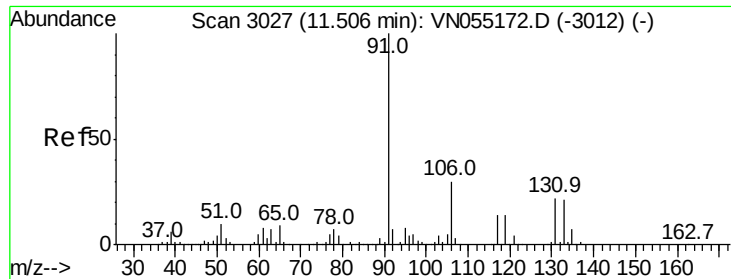
112 100

114 36.2 25.4 38.0



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





#66

1,1,1,2-Tetrachloroethane

Concen: 1.023 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

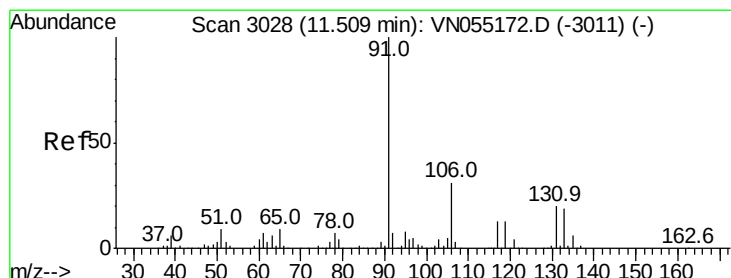
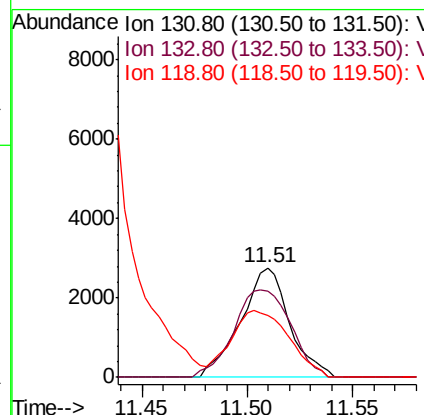
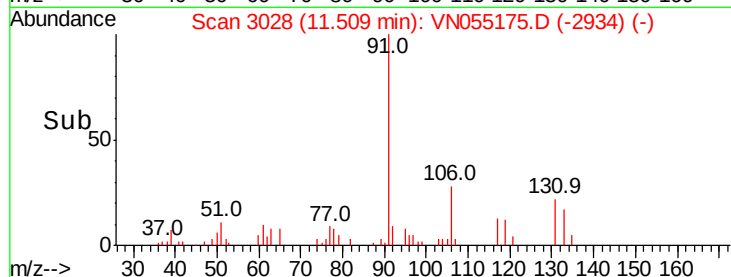
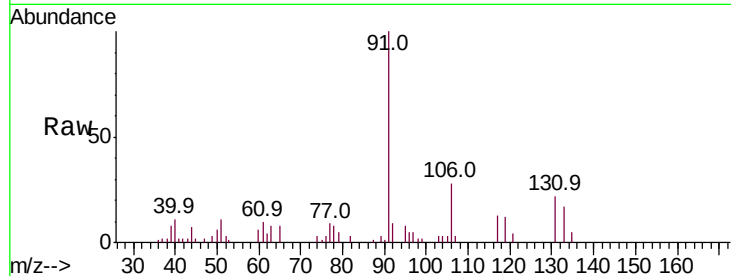
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.7	143.1
119	0.0	33.2	99.6#

Manual Integrations
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#67

Ethyl Benzene

Concen: 1.022 ug/l

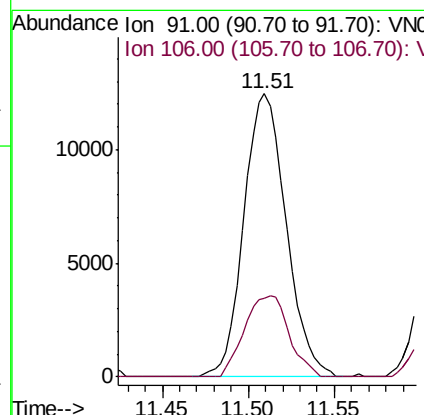
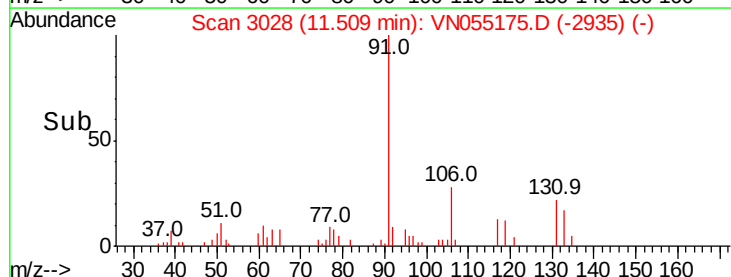
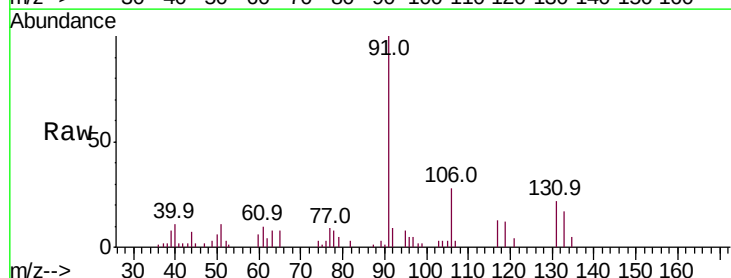
RT: 11.51 min Scan# 3028

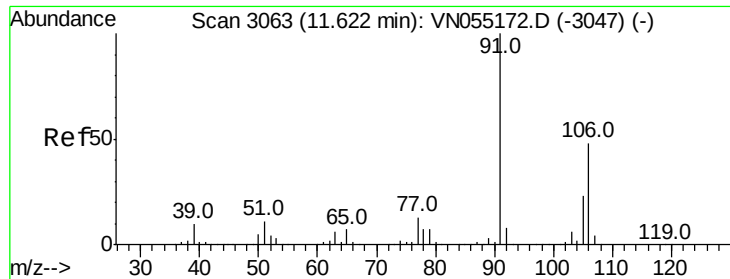
Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.8	24.5	36.7





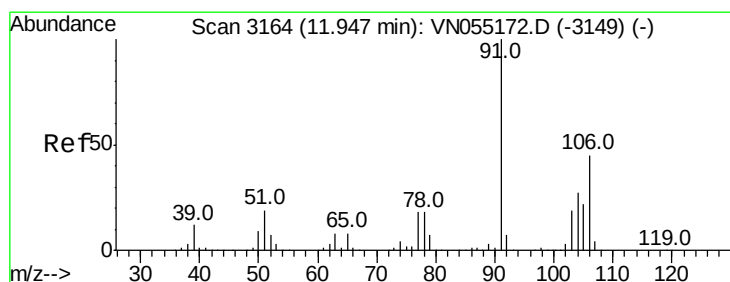
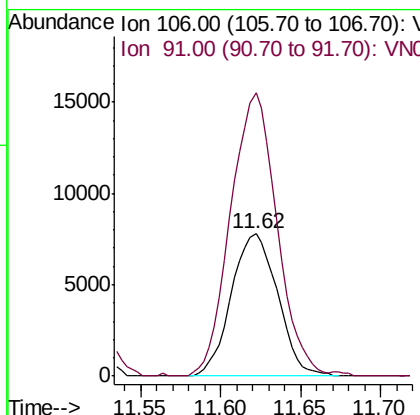
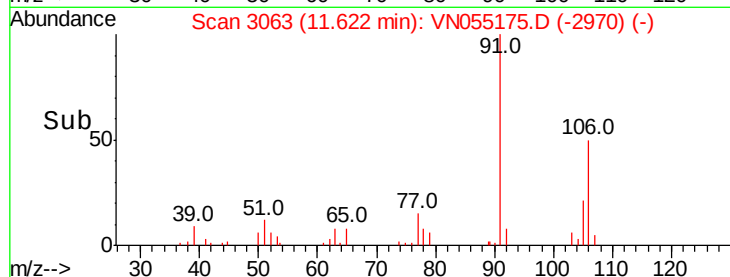
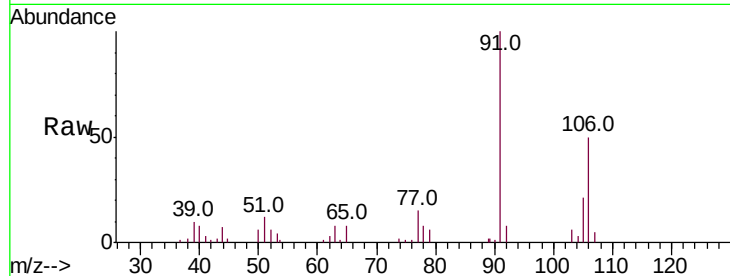
#68
m/p-Xylenes
Concen: 2.073 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 15448
Ion Ratio Lower Upper
106 100
91 199.2 167.1 250.7

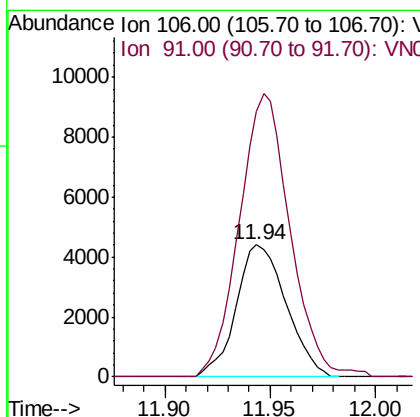
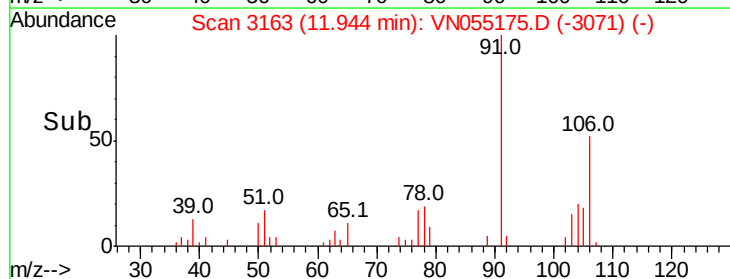
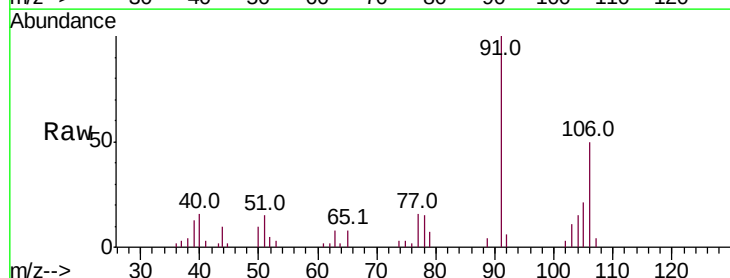
Manual Integrations
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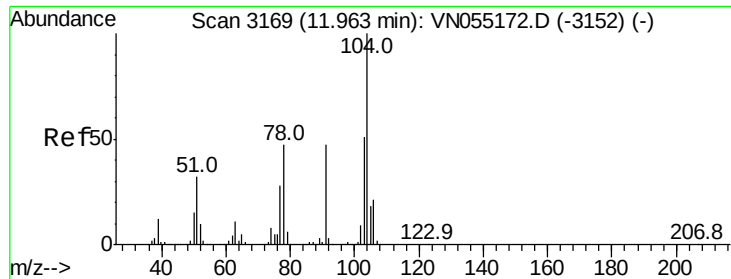
MMDadoda
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#69
o-Xylene
Concen: 0.983 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:106 Resp: 7272
Ion Ratio Lower Upper
106 100
91 217.1 110.6 331.8





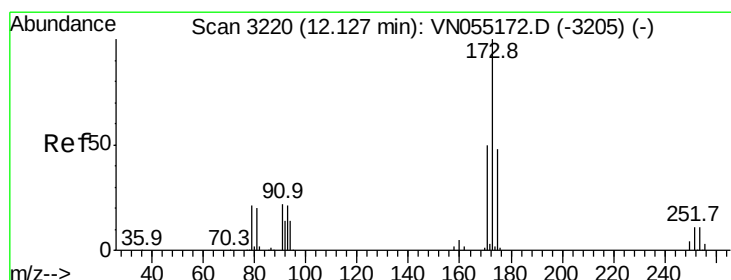
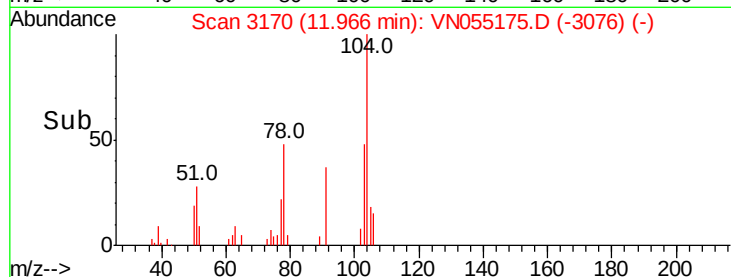
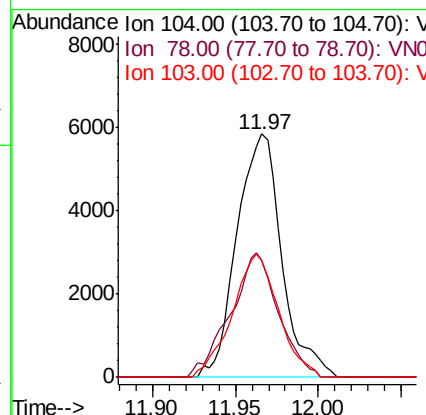
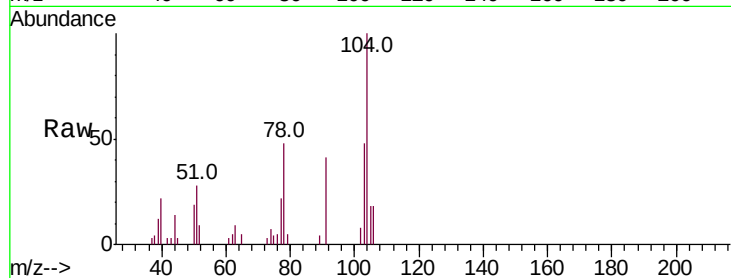
#70
Stvrene
Concen: 0.958 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.7	41.3	61.9
103	52.5	44.2	66.4

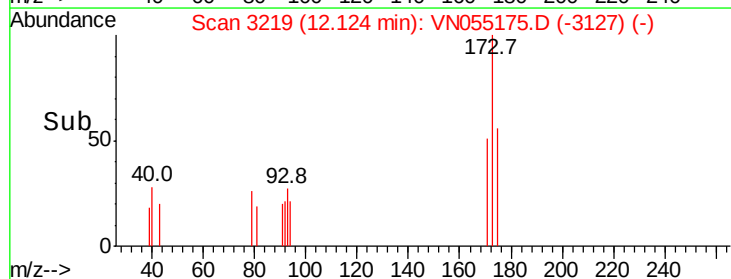
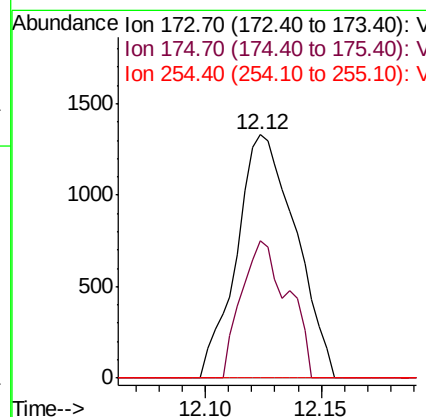
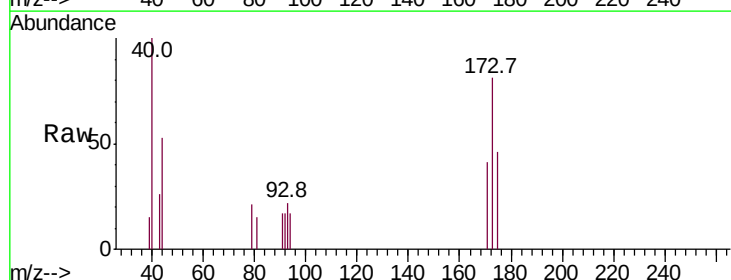
Manual Integrations
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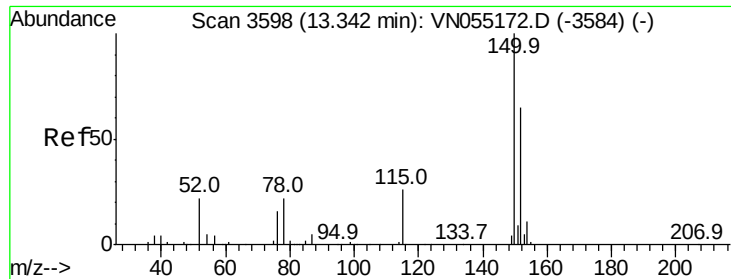
MMDadoda
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#71
Bromoform
Concen: 0.914 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.3	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: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

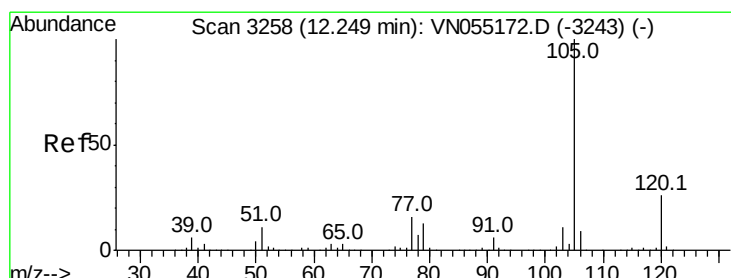
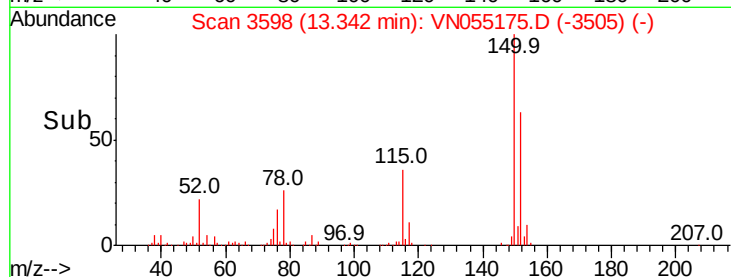
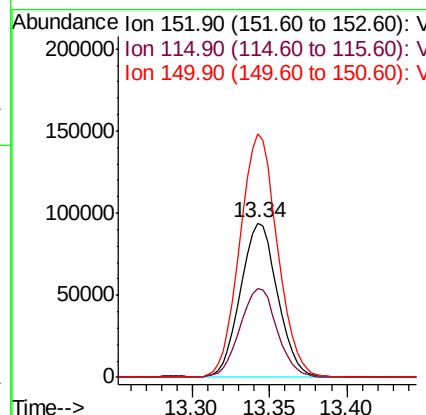
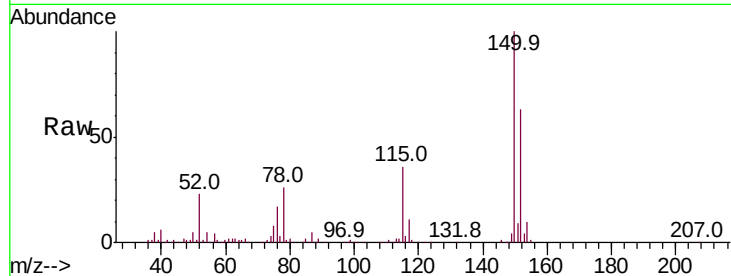
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	156782
Ion Ratio	Lower	Upper	
152	100		
115	57.8	28.9	86.7
150	160.0	0.0	346.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.303 ug/l

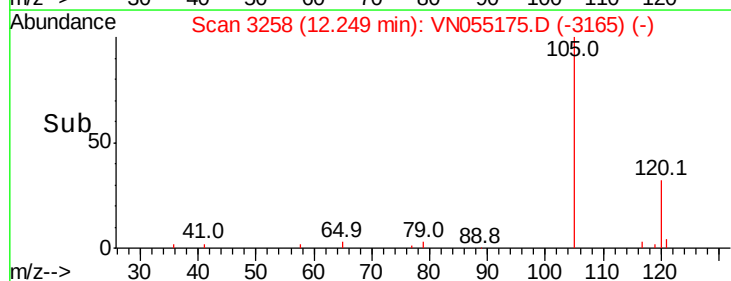
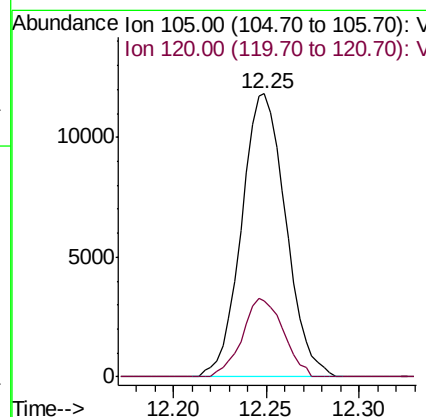
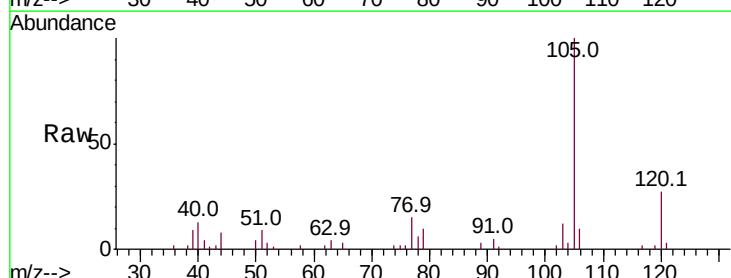
RT: 12.25 min Scan# 3258

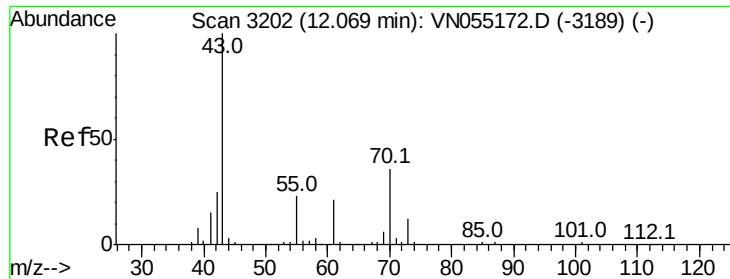
Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion:	105	Resp:	19614
Ion Ratio	Lower	Upper	
105	100		
120	25.7	13.1	39.1





#74

N-amvl acetate

Concen: 1.518 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

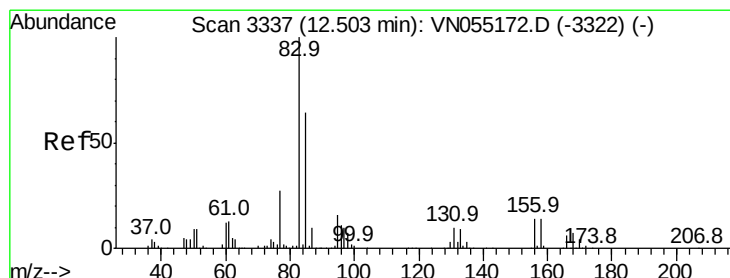
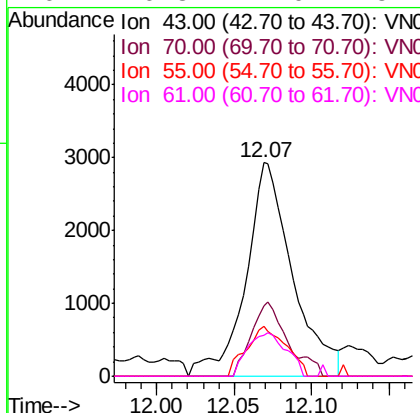
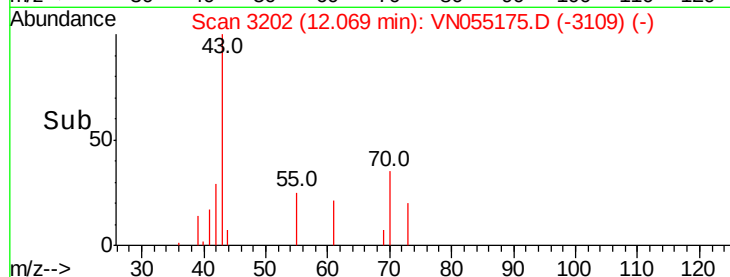
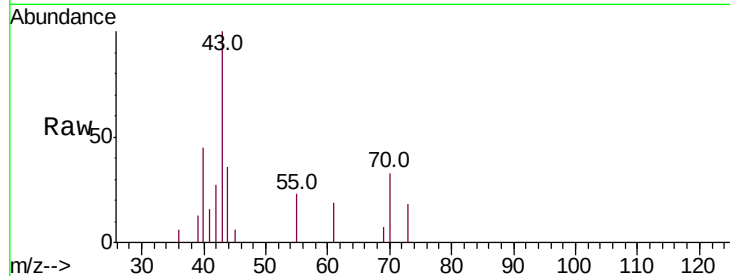
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6136
Ion Ratio	Lower	Upper	
43	100		
70	27.2	29.0	43.6#
55	19.8	18.5	27.7
61	16.8	17.0	25.4#

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.402 ug/l

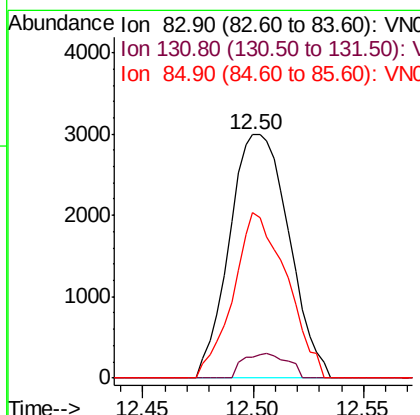
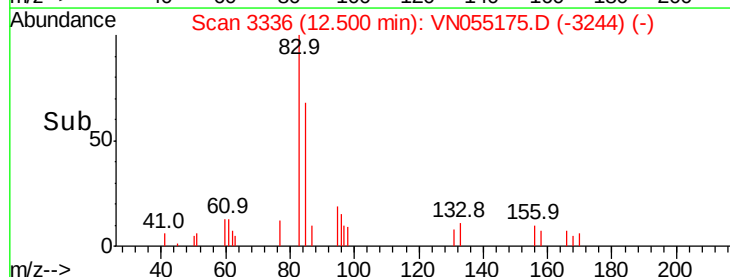
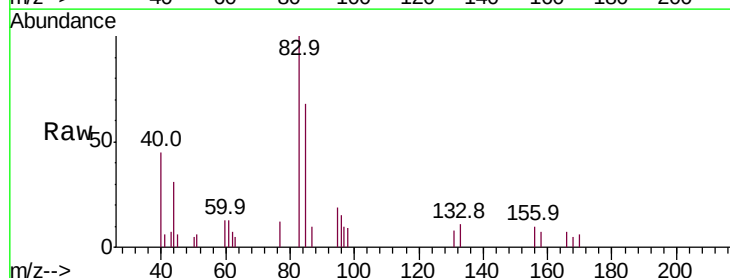
RT: 12.50 min Scan# 3336

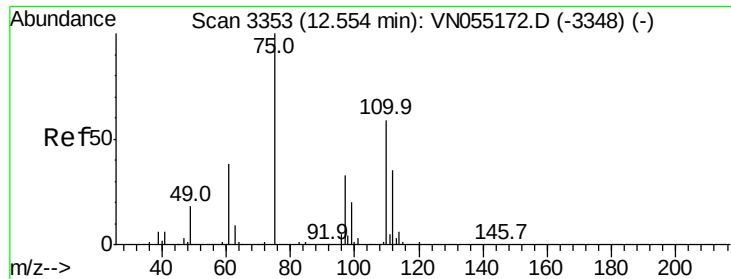
Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion:	83	Resp:	5585
Ion Ratio	Lower	Upper	
83	100		
131	7.5	5.0	15.0
85	61.2	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.568 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 4608

Ion Ratio Lower Upper

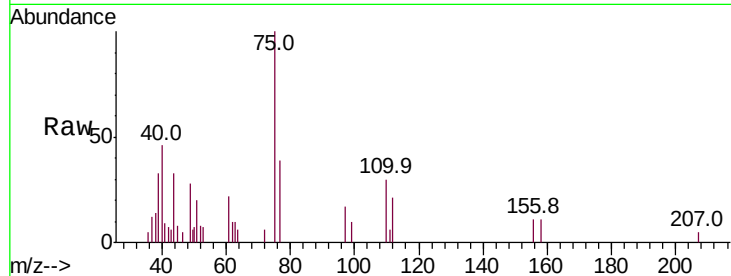
75 100

77 0.0 0.0 0.0

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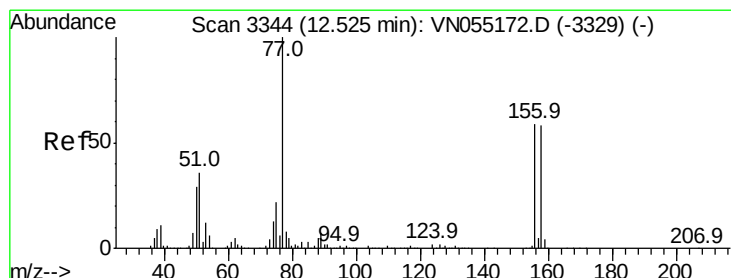
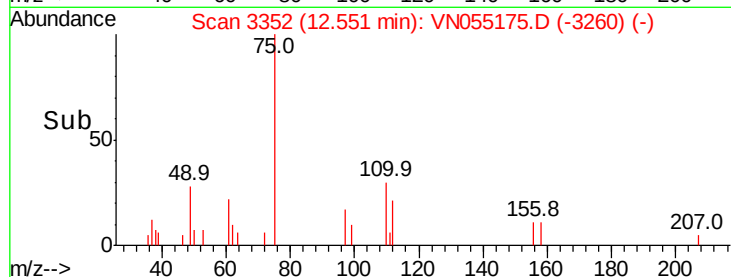
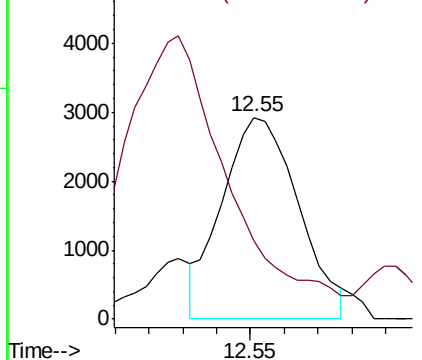
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.266 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

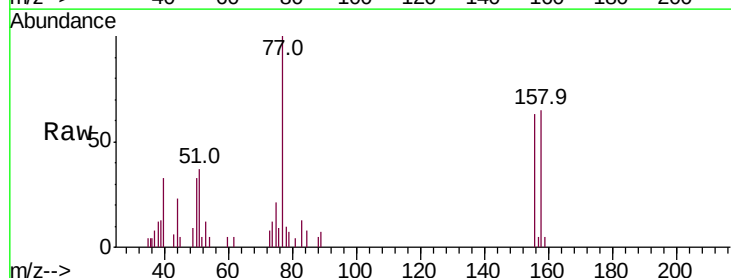
Tgt Ion: 156 Resp: 4382

Ion Ratio Lower Upper

156 100

77 202.8 98.0 293.9

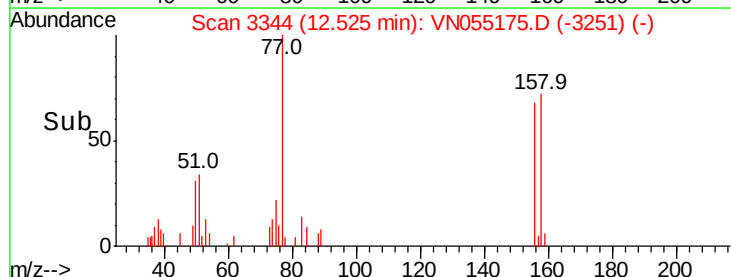
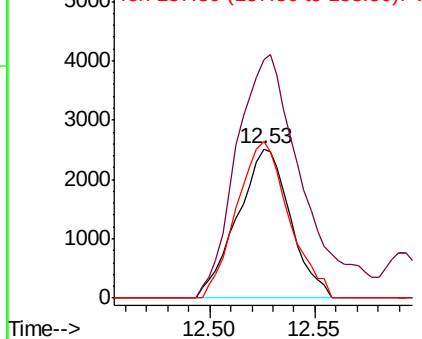
158 103.7 48.9 146.8

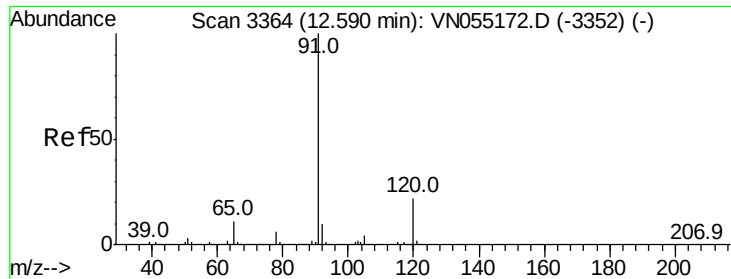


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.238 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 19462

Ion Ratio Lower Upper

91 100

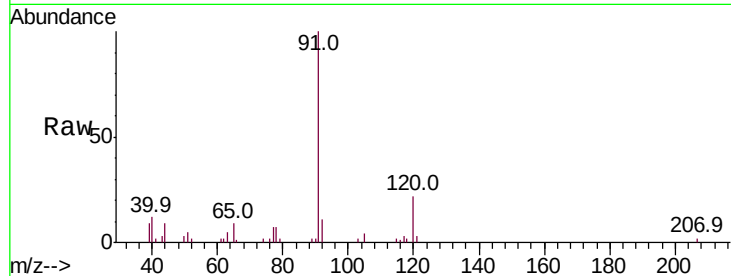
120 22.0 11.3 33.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

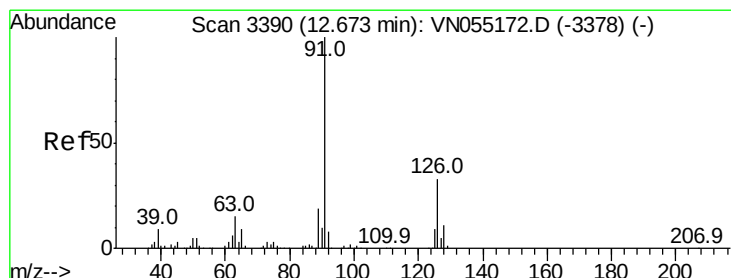
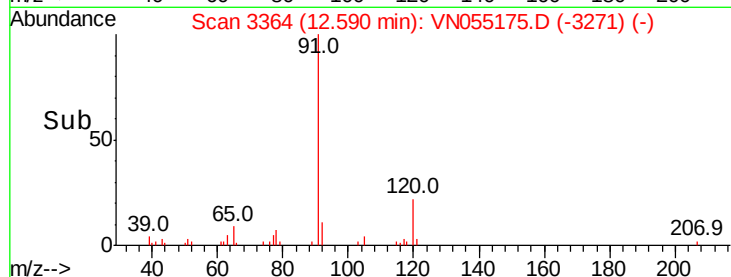
12.59

10000

5000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.228 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055175.D

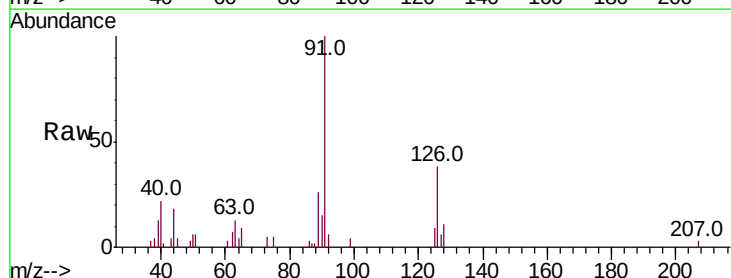
Acq: 22 Apr 2019 11:54

Tgt Ion: 91 Resp: 12188

Ion Ratio Lower Upper

91 100

126 35.8 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.67

8000

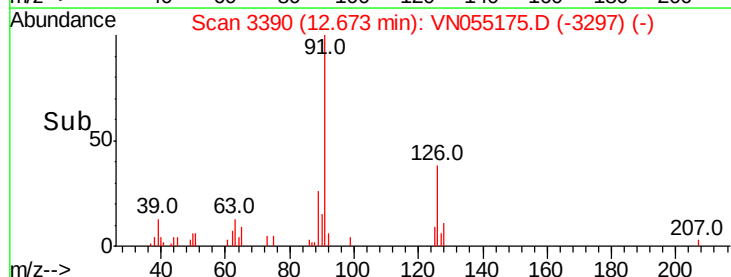
6000

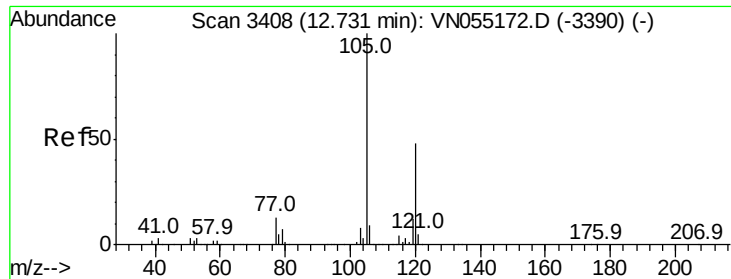
4000

2000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.298 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 15239

Ion Ratio Lower Upper

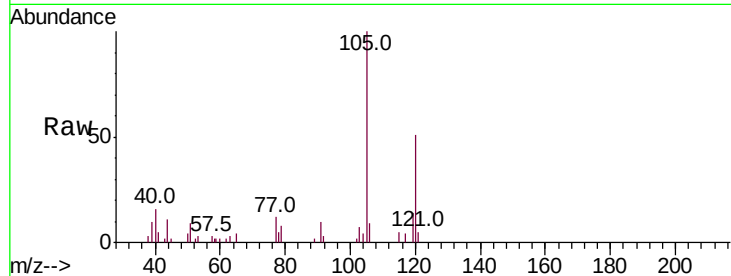
105 100

120 50.0 23.9 71.7

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

10000

8000

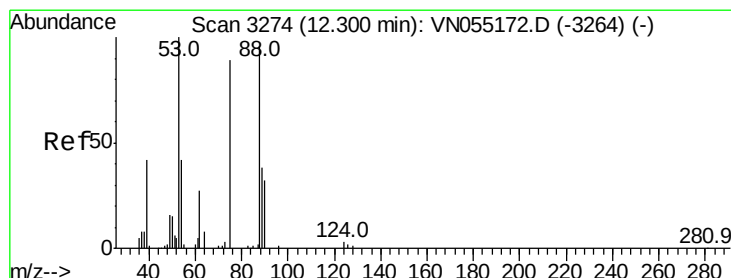
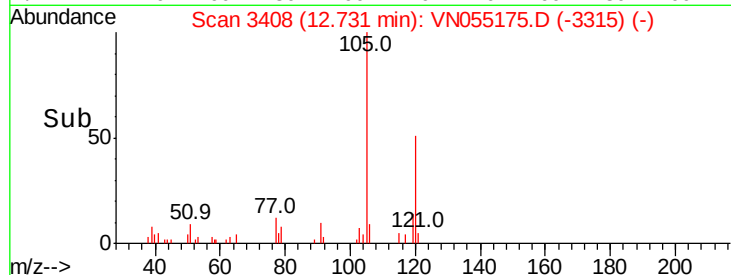
6000

4000

2000

0

Time--> 12.65 12.70 12.75



#81

trans-1,4-Dichloro-2-butene

Concen: 1.125 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

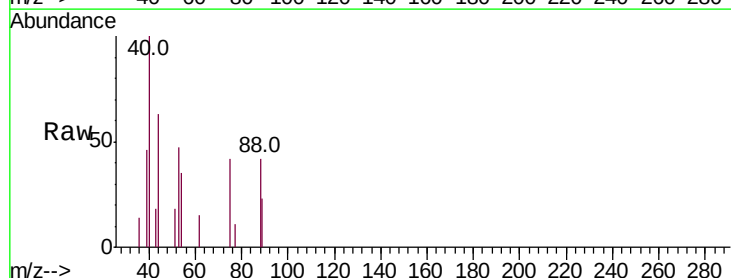
Tgt Ion: 75 Resp: 944

Ion Ratio Lower Upper

75 100

53 173.3 90.1 135.1#

89 21.7 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

1000

800

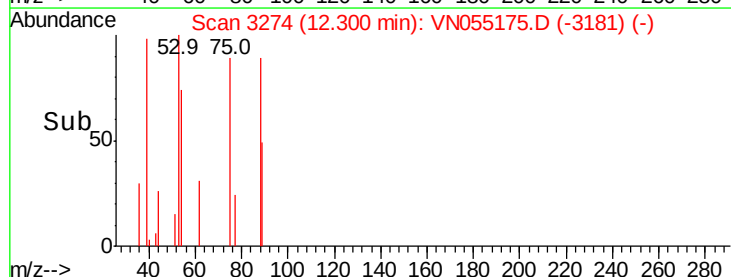
600

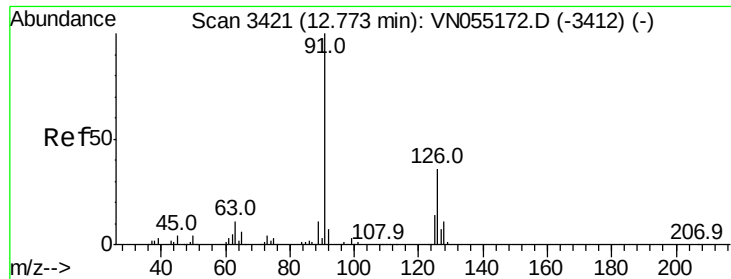
400

200

0

Time--> 12.30





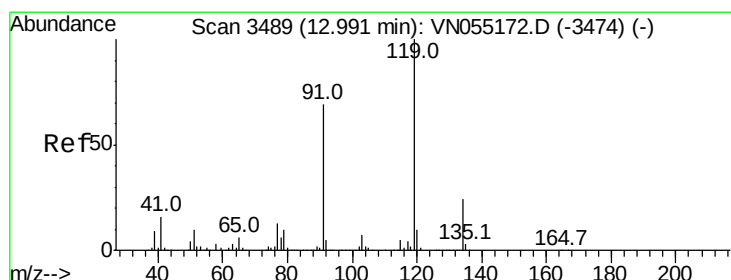
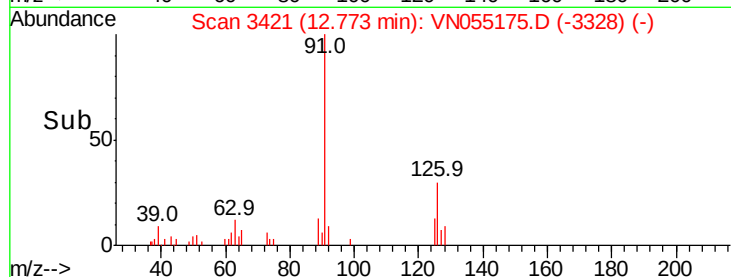
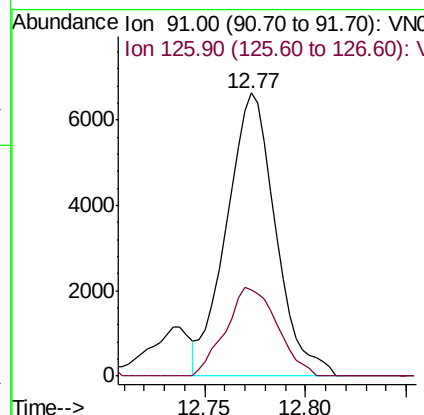
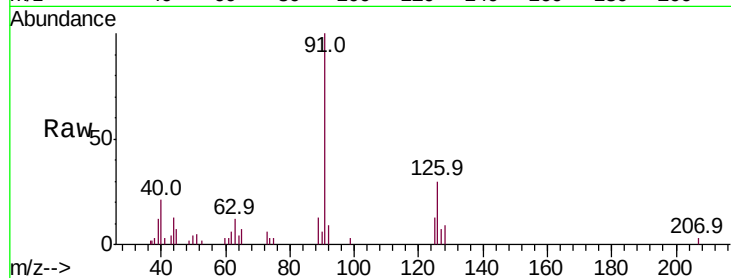
#82
4-Chlorotoluene
Concen: 1.234 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 11270
Ion Ratio Lower Upper
91 100
126 32.8 16.5 49.5

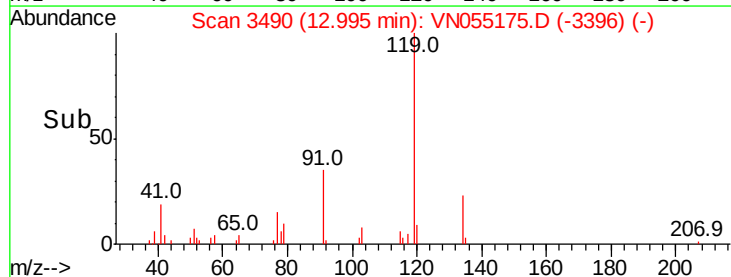
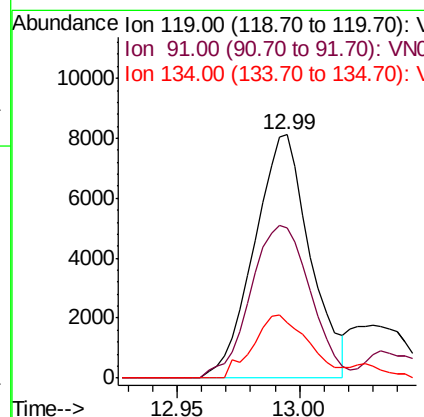
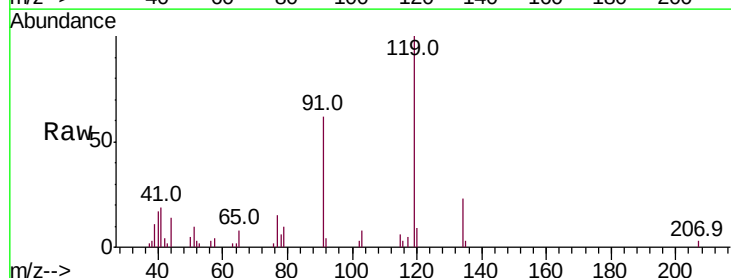
Manual Integrations
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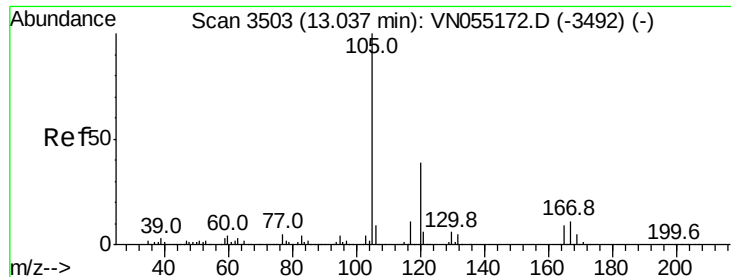
MMDadoda
4/23/2019 1:46:54 PM



#83
tert-Butylbenzene
Concen: 1.226 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 119 Resp: 12872
Ion Ratio Lower Upper
119 100
91 67.4 33.8 101.3
134 25.5 13.2 39.5





#84

1,2,4-Trimethylbenzene

Concen: 1.177 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13036

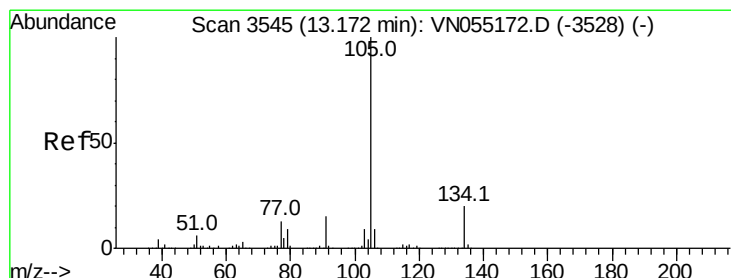
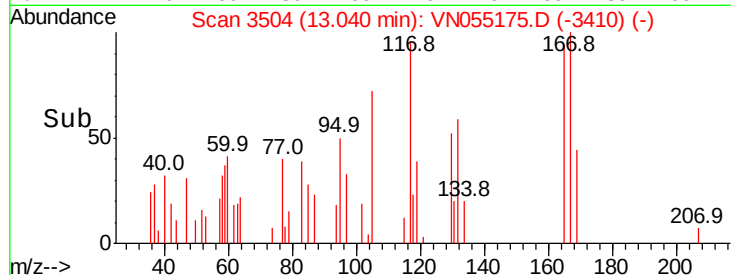
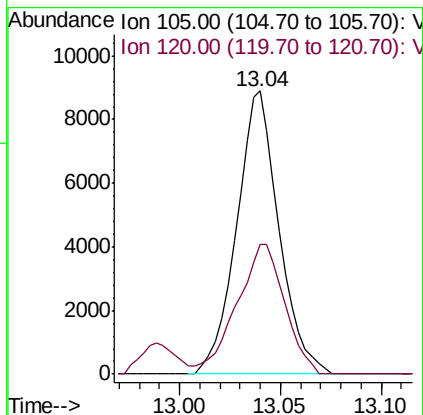
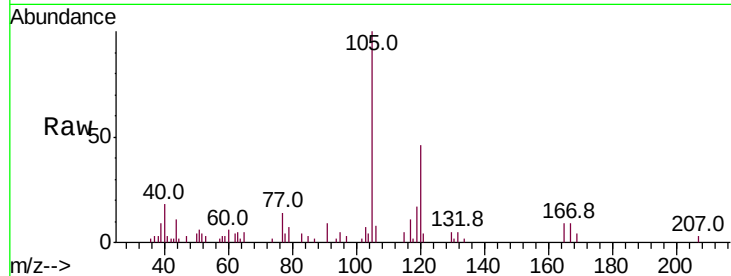
Ion Ratio Lower Upper

105 100

120 51.9 22.7 68.1

Manual Integrations
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#85

sec-Butylbenzene

Concen: 1.223 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055175.D

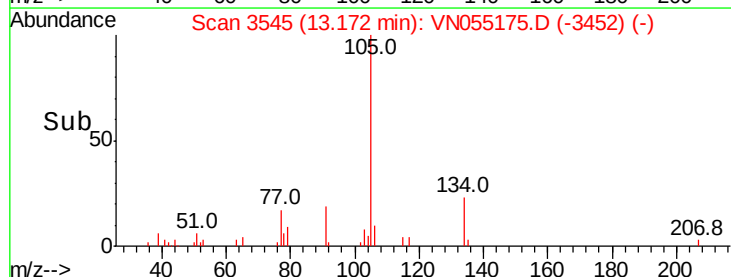
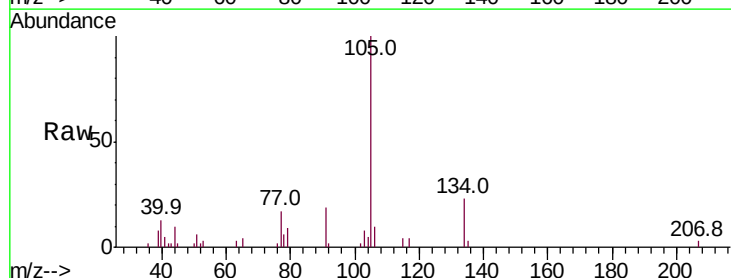
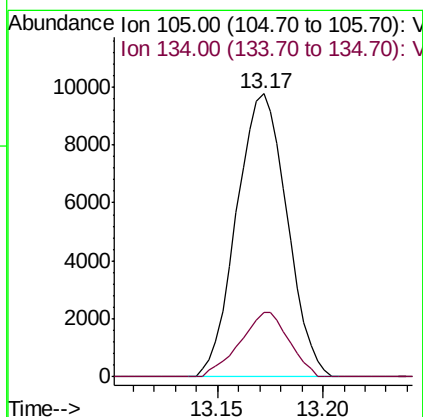
Acq: 22 Apr 2019 11:54

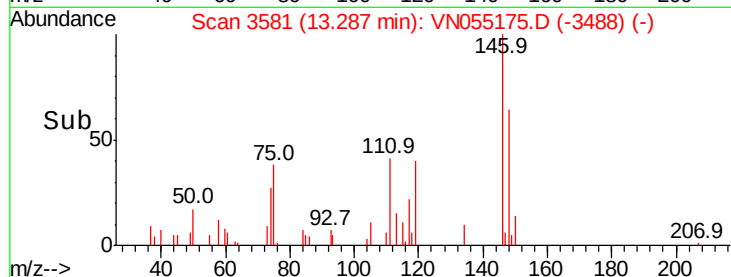
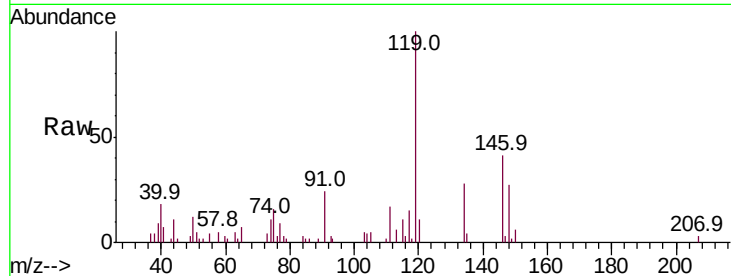
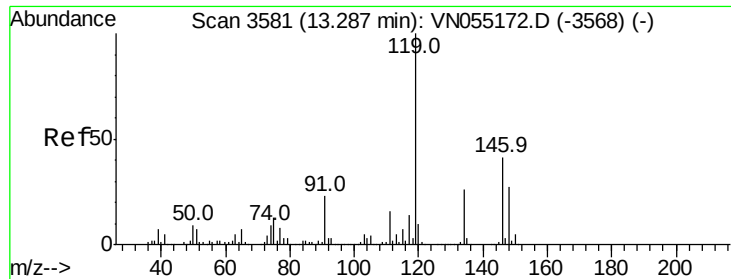
Tgt Ion:105 Resp: 16234

Ion Ratio Lower Upper

105 100

134 22.1 10.0 30.0





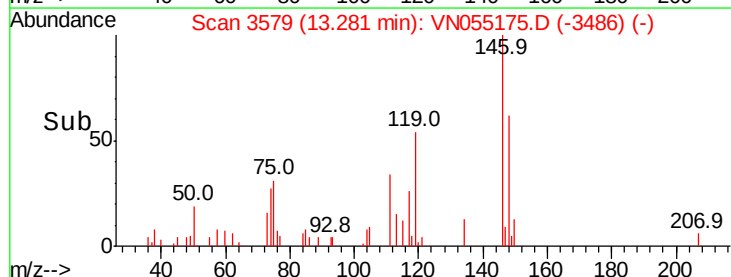
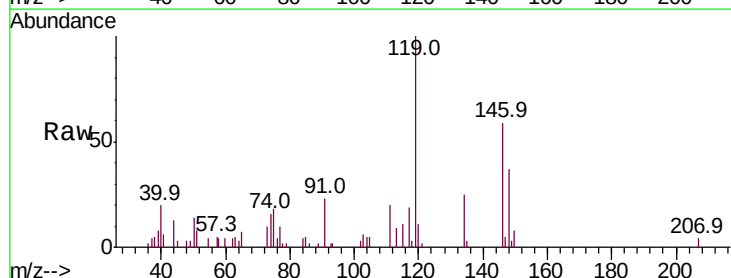
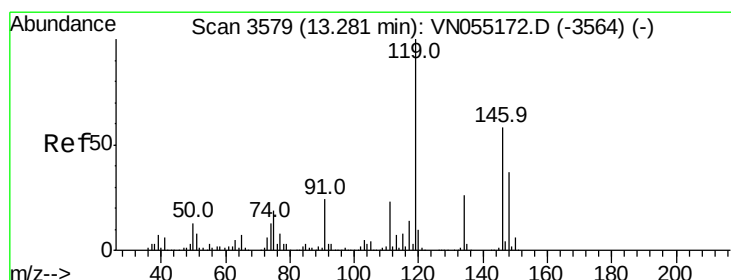
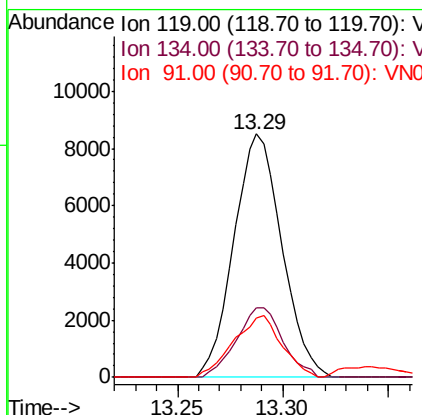
#86
p-Isopropyltoluene
Concen: 1.231 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tot Ion	Ratio	Resp	Lower	Upper
119	100	13471		
134	27.6	13.1	39.3	
91	25.5	11.8	35.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

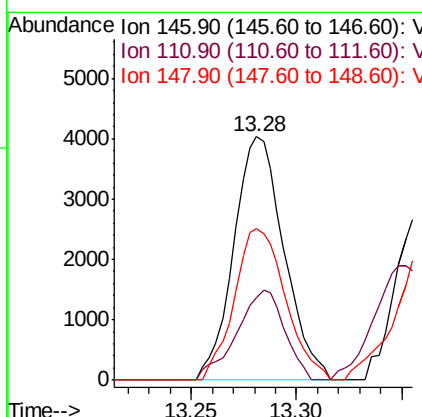
Manual Integrations
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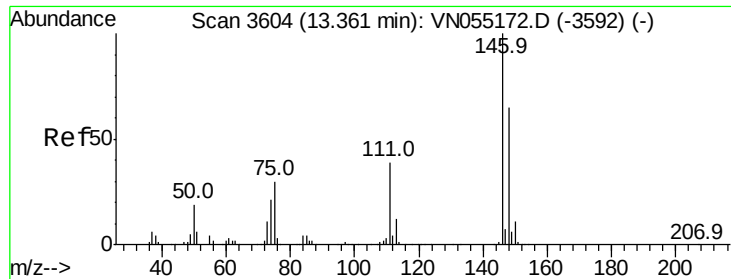
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 1.256 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	6672		
111	35.3	19.7	59.1	
148	63.5	32.0	96.0	





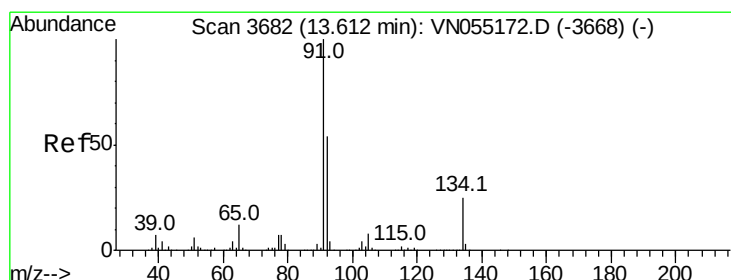
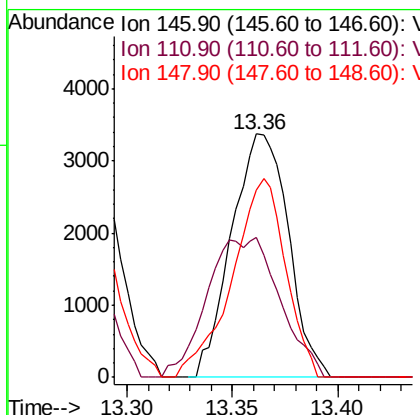
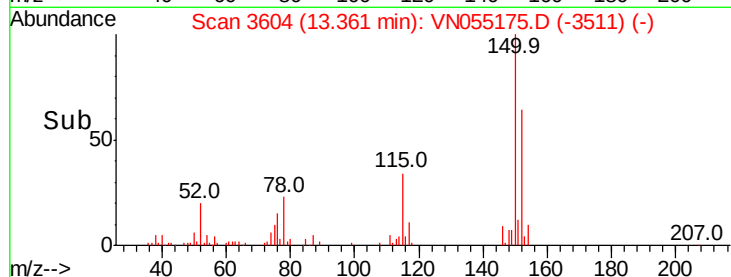
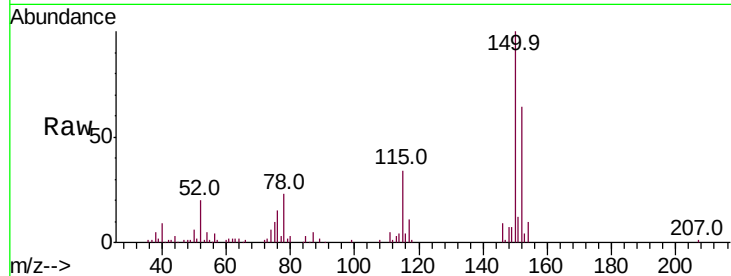
#88
 1,4-Dichlorobenzene
 Concen: 1.221 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	76.7	32.9	98.6

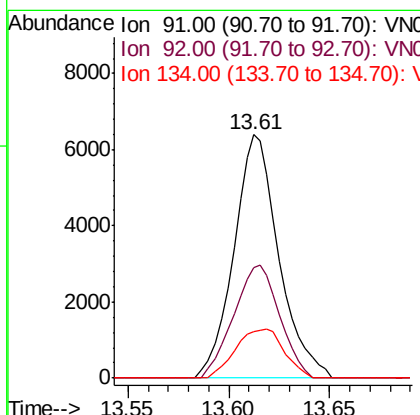
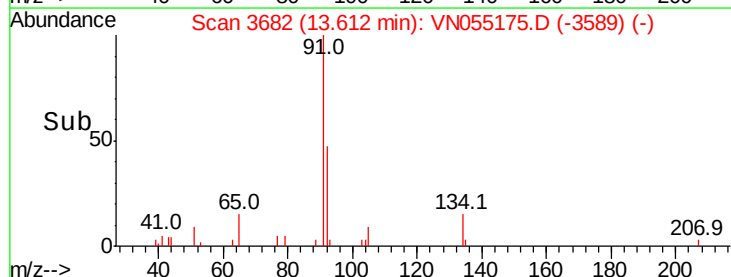
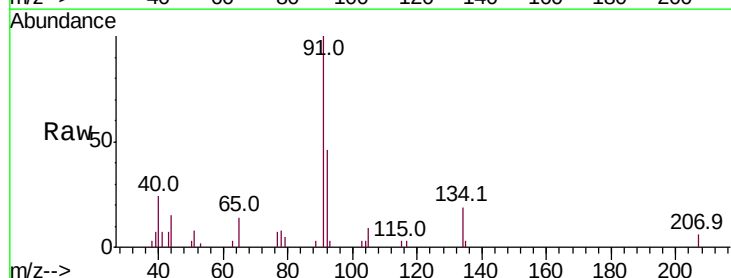
Manual Integrations
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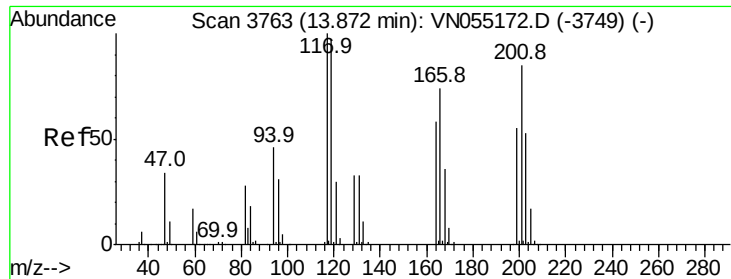
MMDadoda
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#89
 n-Butylbenzene
 Concen: 1.223 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.7	26.4	79.2
134	21.8	12.8	38.4





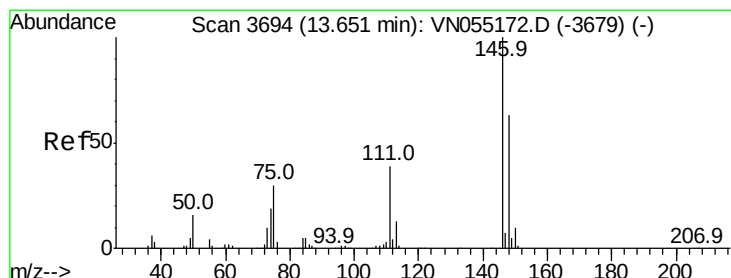
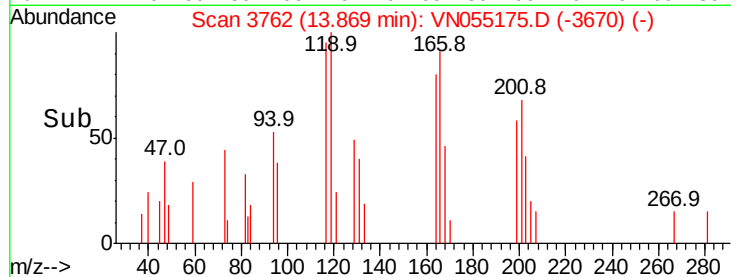
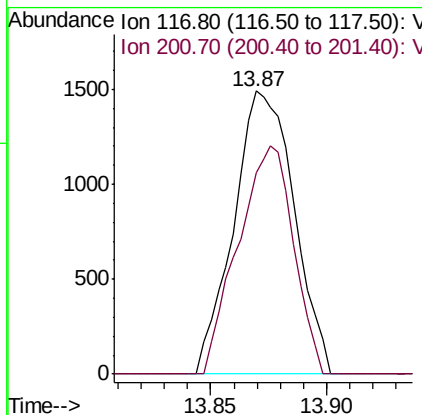
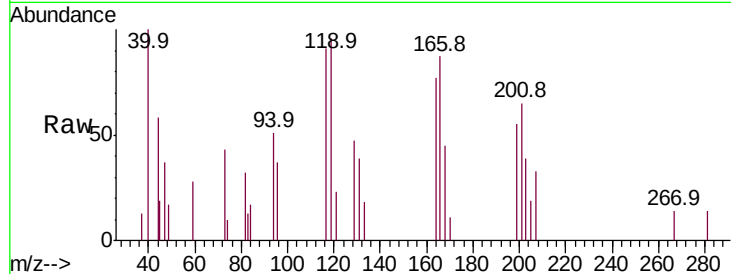
#90
Hexachloroethane
Concen: 1.393 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2702
Ion Ratio Lower Upper
117 100
201 74.0 43.1 129.4

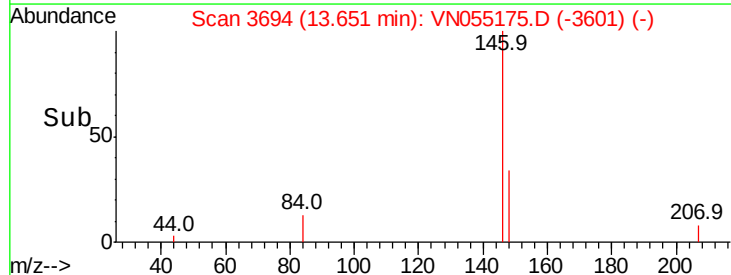
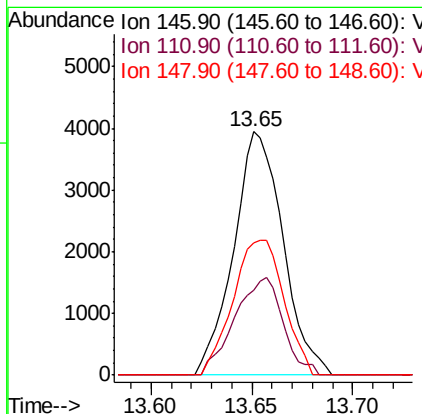
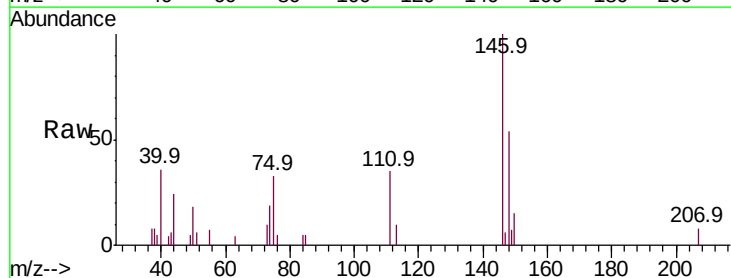
Manual Integrations
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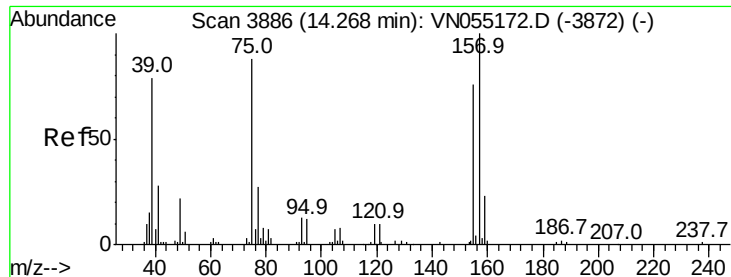
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#91
1,2-Dichlorobenzene
Concen: 1.238 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:146 Resp: 6756
Ion Ratio Lower Upper
146 100
111 39.3 19.8 59.3
148 57.2 31.7 95.1





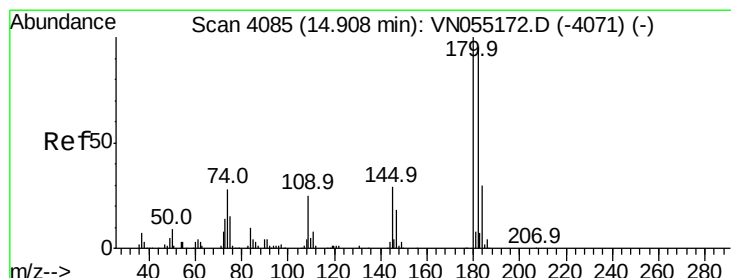
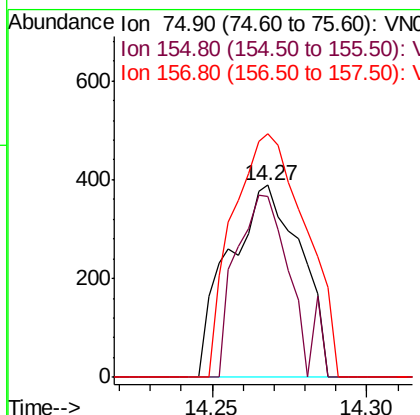
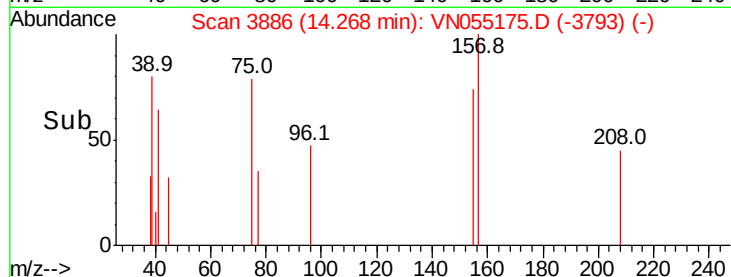
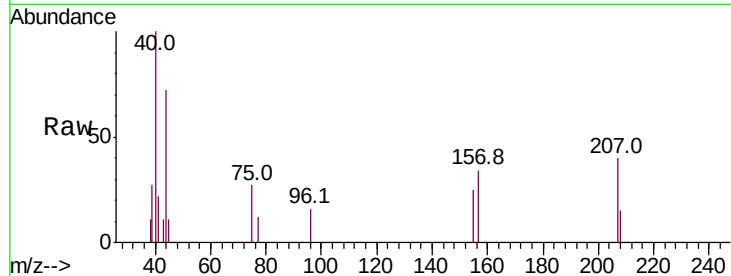
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.319 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 628
 Ion Ratio Lower Upper
 75 100
 155 72.3 43.0 129.0
 157 128.5 55.7 167.1

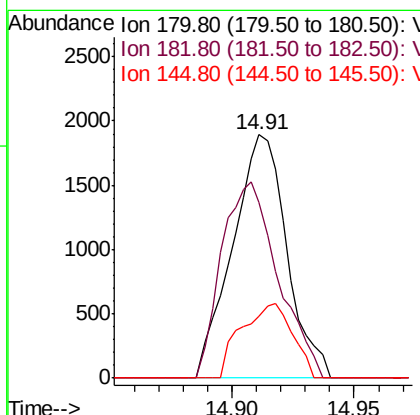
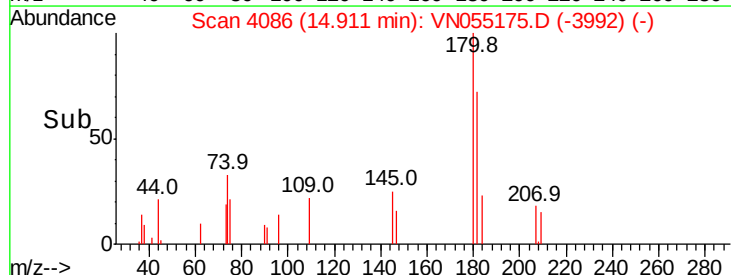
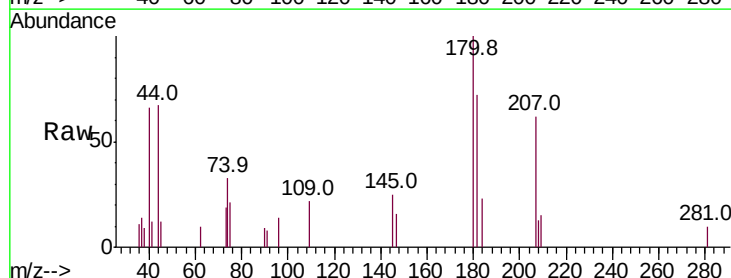
Manual Integrations
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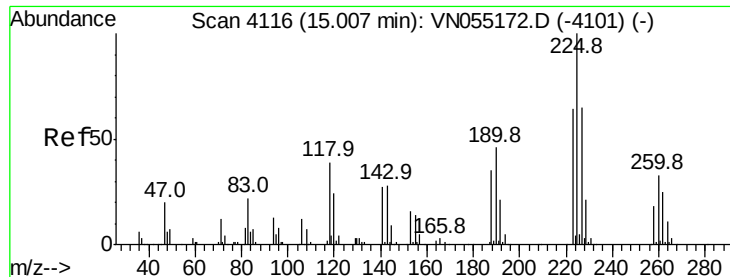
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.511 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 180 Resp: 2912
 Ion Ratio Lower Upper
 180 100
 182 84.1 47.8 143.4
 145 29.0 14.5 43.5





#94

Hexachlorobutadiene

Concen: 1.645 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

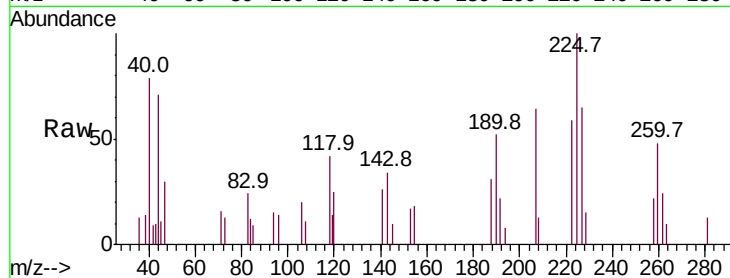
ClientSampleId :

VSTDIC001

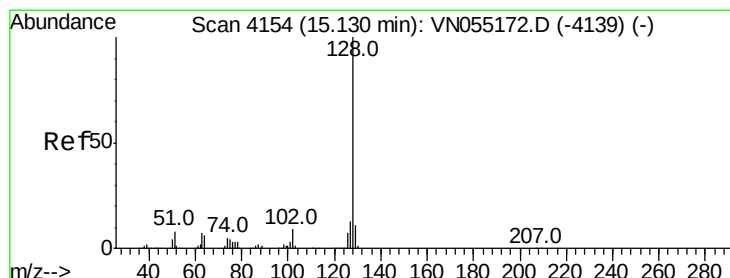
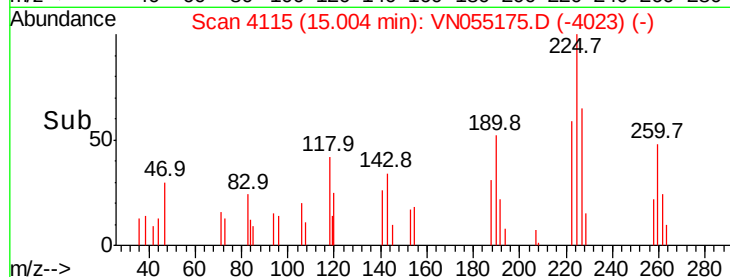
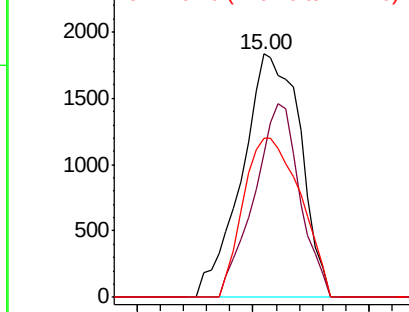
Tot Ion:	225	Resp:	3212
Ion Ratio	Lower	Upper	
225	100		
223	62.1	32.2	96.6
227	64.1	32.6	98.0

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



#95

Naphthalene

Concen: 1.725 ug/l

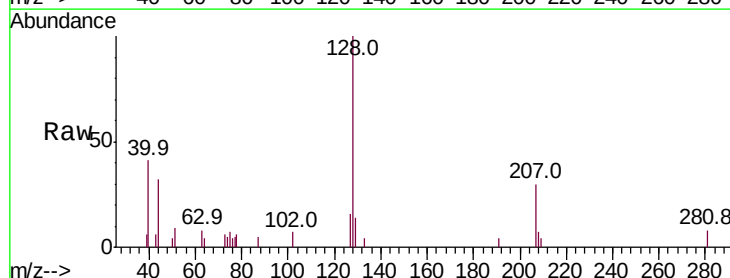
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

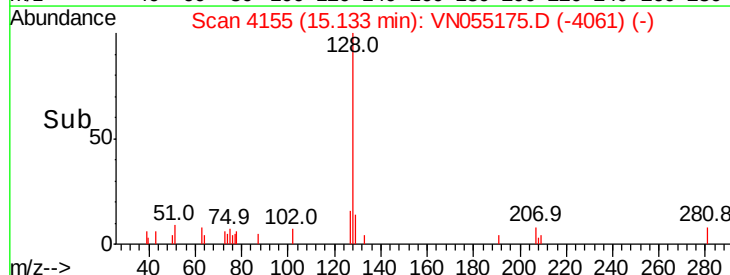
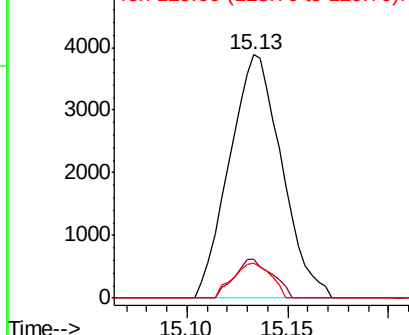
Lab File: VN055175.D

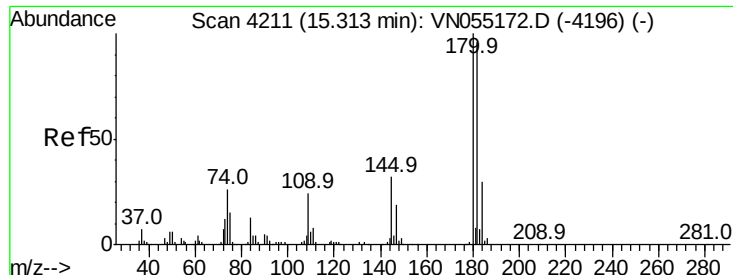
Acq: 22 Apr 2019 11:54

Tgt Ion:	128	Resp:	7022
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.3	15.5
129	10.5	8.8	13.2



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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.691 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	89.7	47.2	141.6	
145	27.9	15.4	46.1	

Manual Integrations
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