

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052955.D
 Acq On : 18 Dec 2018 12:15
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:28 PM

Quant Time: Dec 18 12:42:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:20:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1065911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1638187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1477328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	728382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1126113	106.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.54%	
35) Dibromofluoromethane	7.59	113	816875	117.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.42%	
50) Toluene-d8	10.09	98	4174709	106.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.02%	
62) 4-Bromofluorobenzene	12.40	95	1465504	106.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1045163	95.073	ug/l	100
3) Chloromethane	2.06	50	1277911	96.180	ug/l	99
4) Vinyl Chloride	2.19	62	1295720	96.653	ug/l	100
5) Bromomethane	2.56	94	844288	88.323	ug/l	100
6) Chloroethane	2.71	64	765085	95.945	ug/l	98
7) Trichlorofluoromethane	3.02	101	1629552	97.816	ug/l	100
8) Diethyl Ether	3.41	74	622809	99.714	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1023118	95.638	ug/l	99
10) Methyl Iodide	3.96	142	1568957	110.782	ug/l	99
11) Tert butyl alcohol	4.77	59	335430	515.456	ug/l	99
12) 1,1-Dichloroethene	3.74	96	1001462	97.587	ug/l	99
13) Acrolein	3.61	56	300768	516.980	ug/l	100
14) Allyl chloride	4.33	41	1571717	101.173	ug/l	97
15) Acrylonitrile	4.98	53	1795449	484.156	ug/l	99
16) Acetone	3.81	43	1037759	485.766	ug/l	97
17) Carbon Disulfide	4.06	76	3127750	91.676	ug/l	100
18) Methyl Acetate	4.32	43	958490	95.303	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	2729351	100.357	ug/l	99
20) Methylene Chloride	4.55	84	1117843	94.678	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1065293	96.081	ug/l	99
22) Diisopropyl ether	5.95	45	3361250	99.724	ug/l	97
23) Vinyl Acetate	5.89	43	9464366	484.967	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1969417	97.623	ug/l	99
25) 2-Butanone	6.83	43	1841210	525.954	ug/l	98
26) 2,2-Dichloropropane	6.82	77	1494947	97.034	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1220723	97.988	ug/l	100
28) Bromochloromethane	7.19	49	887079	103.167	ug/l	96
29) Tetrahydrofuran	7.21	42	1327742	498.472	ug/l	98
30) Chloroform	7.37	83	1924248	96.846	ug/l	99
31) Cyclohexane	7.65	56	1865765	78.167	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1652290	98.239	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1536138	96.390	ug/l	100
37) Ethyl Acetate	6.93	43	894423	102.617	ug/l	98
38) Carbon Tetrachloride	7.77	117	1457360	101.557	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1883474	97.734	ug/l	98
40) Benzene	8.04	78	4571121	96.397	ug/l	99
41) Methacrylonitrile	7.17	41	522357	104.038	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1347277	95.768	ug/l	99
43) Isopropyl Acetate	8.16	43	1680765	80.525	ug/l	97
44) Trichloroethene	8.83	130	1330045	97.210	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1202983	97.866	ug/l	100
46) Dibromomethane	9.21	93	694124	96.575	ug/l	98
47) Bromodichloromethane	9.40	83	1489533	98.135	ug/l	100
48) Methyl methacrylate	9.20	41	853660	100.385	ug/l	98
49) 1,4-Dioxane	9.20	88	208096	1905.003	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	4292710	505.409	ug/l	99
52) Toluene	10.16	92	2847550	97.208	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1611711	102.540	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1840483	101.589	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	990853	96.812	ug/l	99
56) Ethyl methacrylate	10.43	69	1375542	104.159	ug/l	97
57) 1,3-Dichloropropane	10.71	76	1721141	98.521	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3816887	529.115	ug/l	98
59) 2-Hexanone	10.75	43	2907492	506.077	ug/l	99
60) Dibromochloromethane	10.90	129	1151684	99.238	ug/l	100
61) 1,2-Dibromoethane	11.00	107	1025756	99.775	ug/l	99
64) Tetrachloroethene	10.63	164	1545045	94.457	ug/l	99
65) Chlorobenzene	11.43	112	3156823	94.662	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1128675	98.647	ug/l	100
67) Ethyl Benzene	11.51	91	5501775	96.466	ug/l	100
68) m/p-Xylenes	11.62	106	4195236	193.482	ug/l	99
69) o-Xylene	11.95	106	2030142	97.914	ug/l	100
70) Styrene	11.96	104	3389043	101.393	ug/l	99
71) Bromoform	12.13	173	828585	100.983	ug/l #	99
73) Isopropylbenzene	12.25	105	5378096	91.442	ug/l	99
74) N-amyl acetate	12.07	43	1561864	97.903	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	1023776	87.876	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1206551m	97.774	ug/l	
77) Bromobenzene	12.53	156	1397421	91.392	ug/l	98
78) n-propylbenzene	12.59	91	6193939	93.028	ug/l	99
79) 2-Chlorotoluene	12.67	91	3602880	84.846	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4396684	91.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	393367	105.784	ug/l	93
82) 4-Chlorotoluene	12.77	91	3733803	92.412	ug/l	99
83) tert-Butylbenzene	12.99	119	3818986	89.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4505578	94.628	ug/l	100
85) sec-Butylbenzene	13.17	105	5194945	90.392	ug/l	99
86) p-Isopropyltoluene	13.29	119	4610624	94.236	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2505908	93.425	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2491894	90.918	ug/l	100
89) n-Butylbenzene	13.62	91	3964354	94.253	ug/l	99
90) Hexachloroethane	13.87	117	745346	102.344	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2341387	91.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	179573	89.963	ug/l	96

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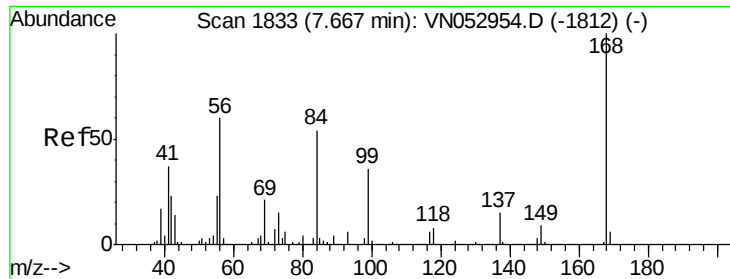
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1297275	84.215	ug/l	100
94) Hexachlorobutadiene	15.01	225	670606	70.753	ug/l	100
95) Naphthalene	15.13	128	2856452	83.826	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1163761	79.919	ug/l	100

(#) = 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: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 1065911

Ion Ratio Lower Upper

168 100

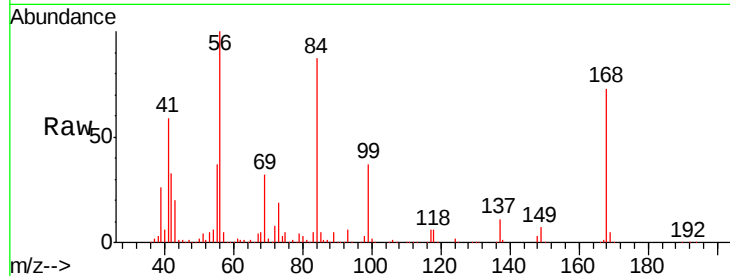
99 49.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

500000

400000

300000

200000

100000

0

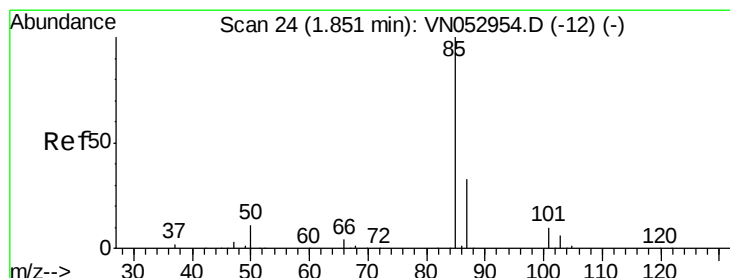
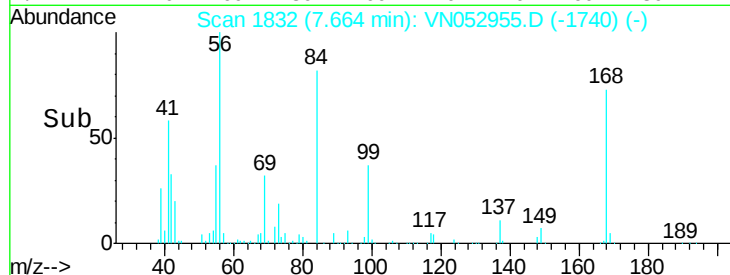
7.66

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 95.073 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052955.D

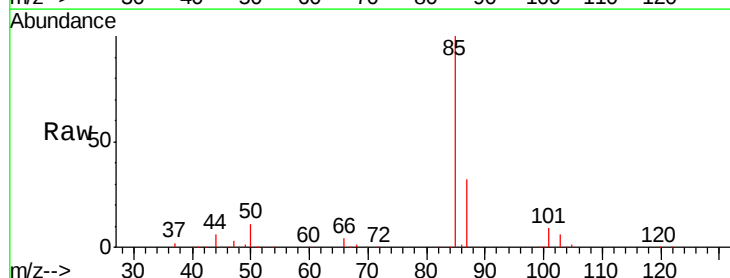
Acq: 18 Dec 2018 12:15

Tgt Ion: 85 Resp: 1045163

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

800000

600000

400000

200000

0

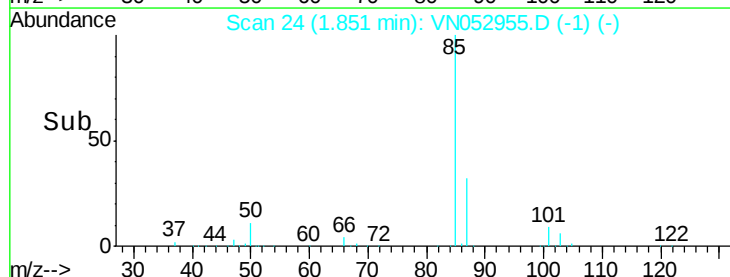
1.85

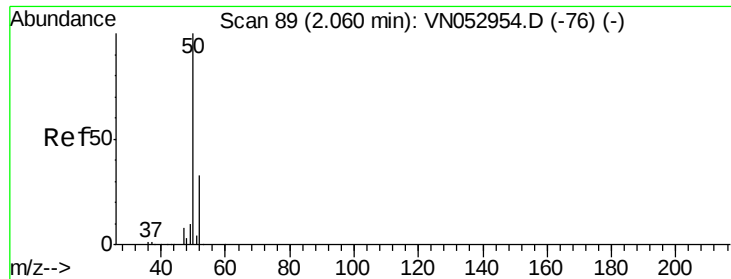
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 96.180 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 1277911

Ion Ratio Lower Upper

50 100

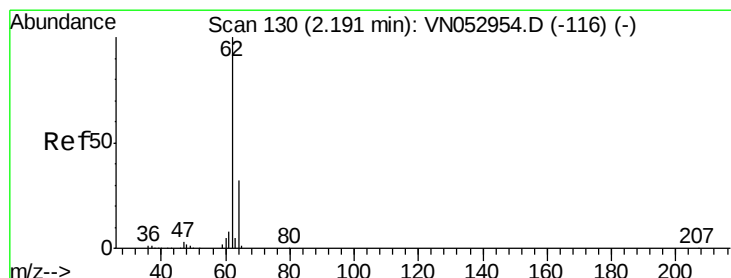
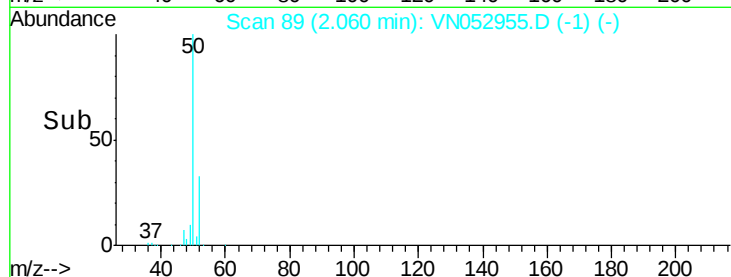
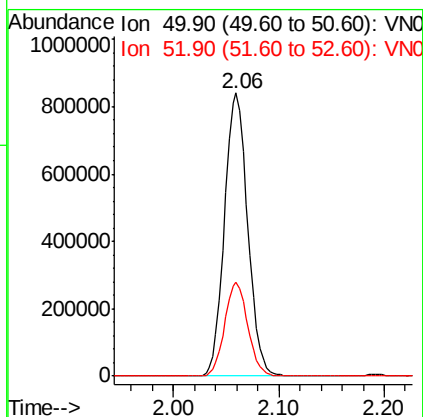
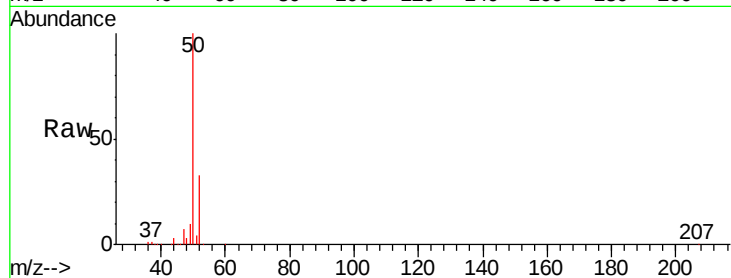
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.653 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052955.D

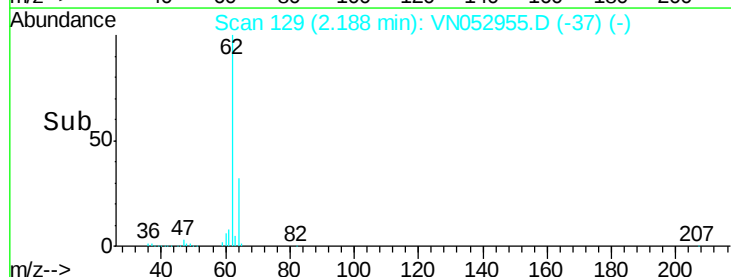
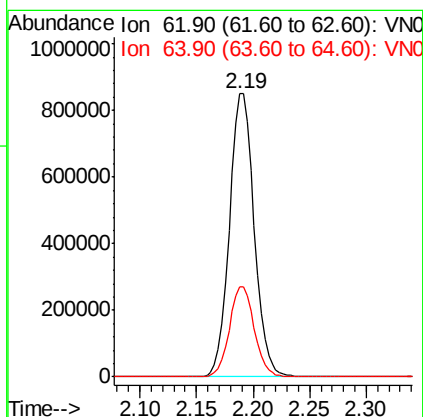
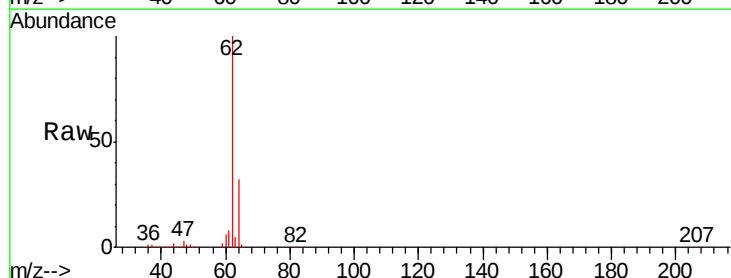
Acq: 18 Dec 2018 12:15

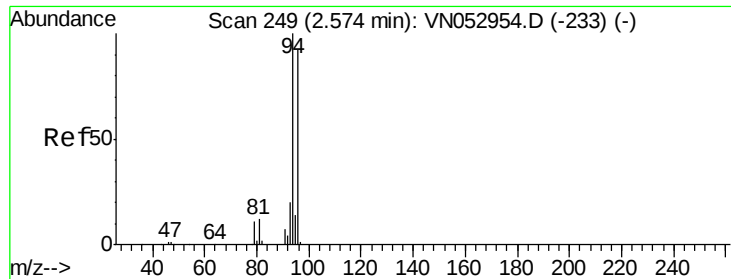
Tgt Ion: 62 Resp: 1295720

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 88.323 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 844288

Ion Ratio Lower Upper

94 100

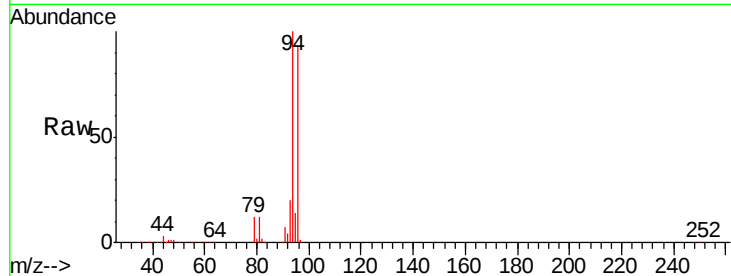
96 93.3 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

400000

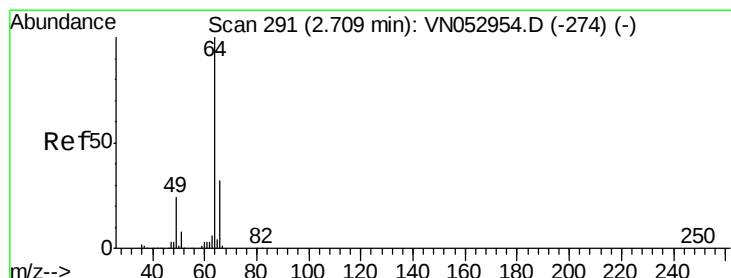
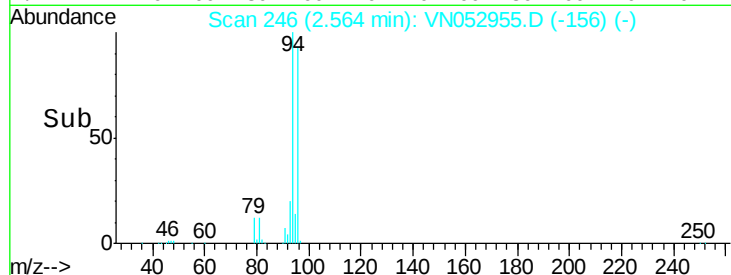
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 95.945 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052955.D

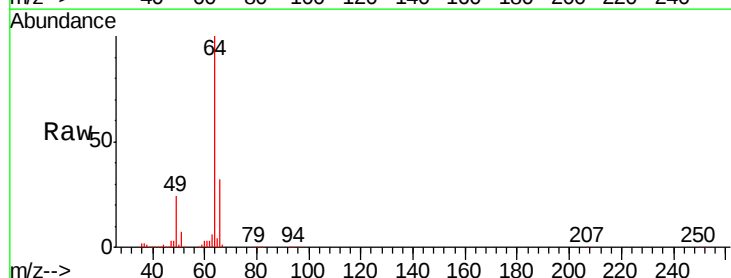
Acq: 18 Dec 2018 12:15

Tgt Ion: 64 Resp: 765085

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

400000

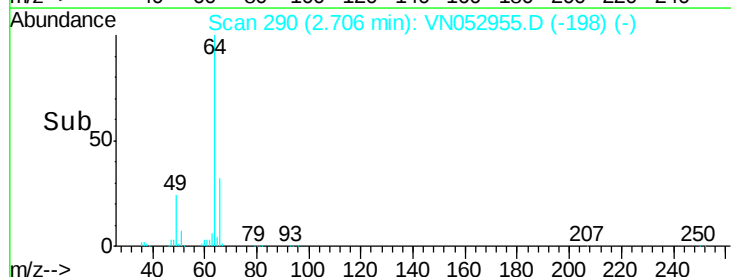
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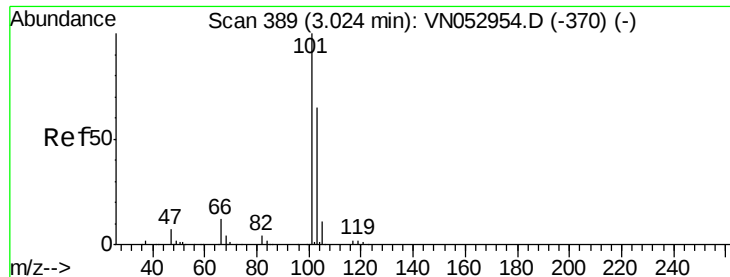
200000

100000

0

Time-->





#7

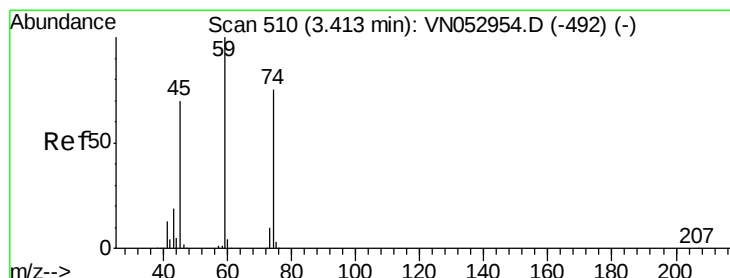
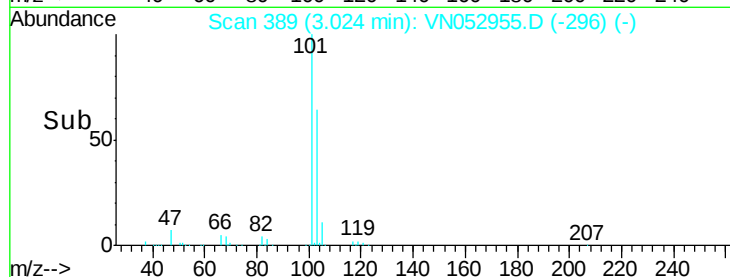
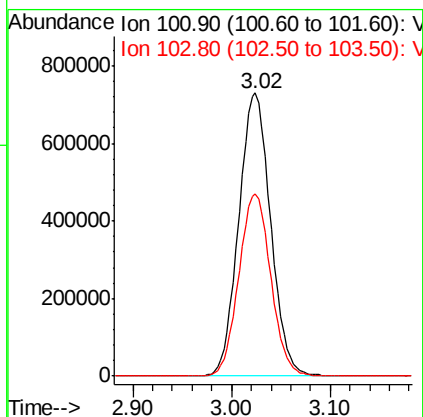
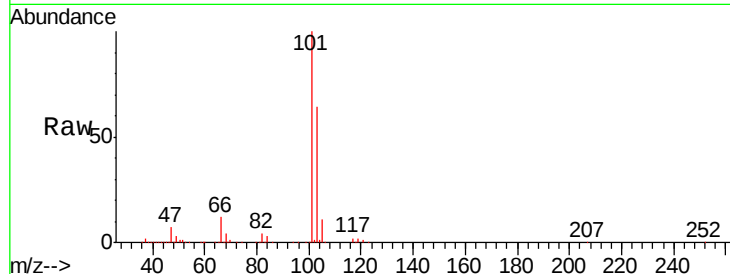
Trichlorofluoromethane
Concen: 97.816 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

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Tgt Ion: 101 Resp: 1629552
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

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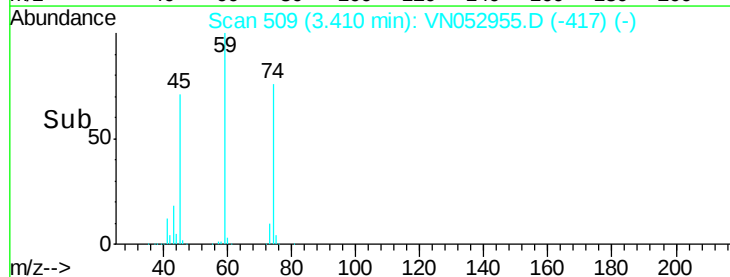
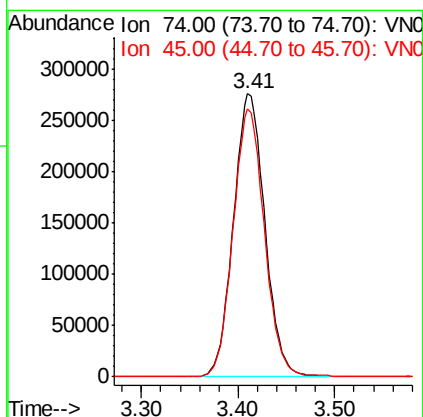
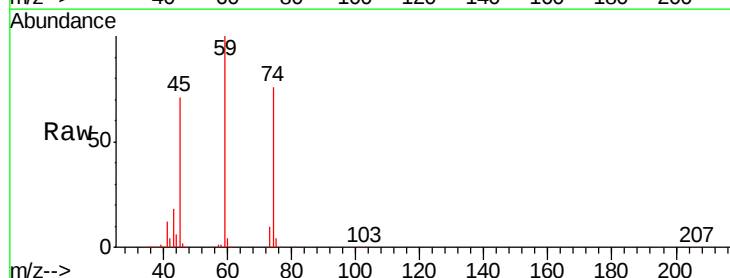
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12/19/2018 12:06:28 PM

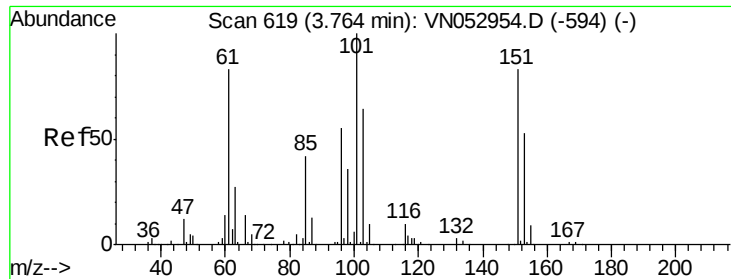


#8

Diethyl Ether
Concen: 99.714 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 74 Resp: 622809
Ion Ratio Lower Upper
74 100
45 94.2 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.638 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 1023118

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

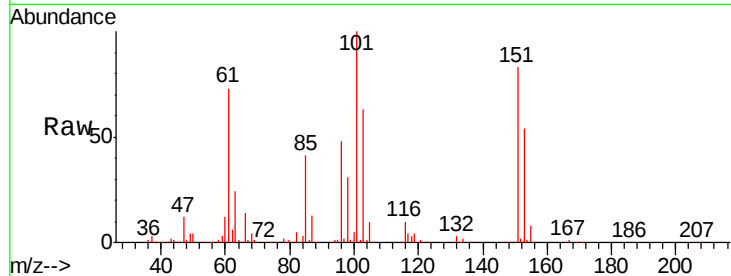
151 83.5 65.5 98.3

Manual Integrations

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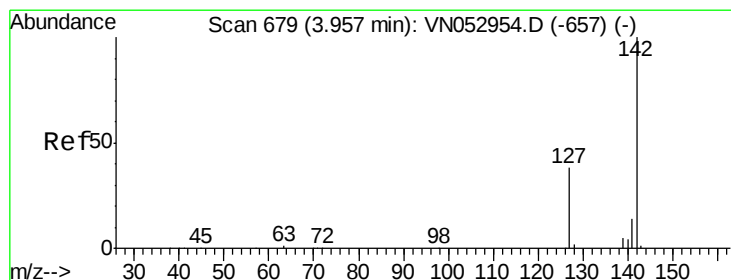
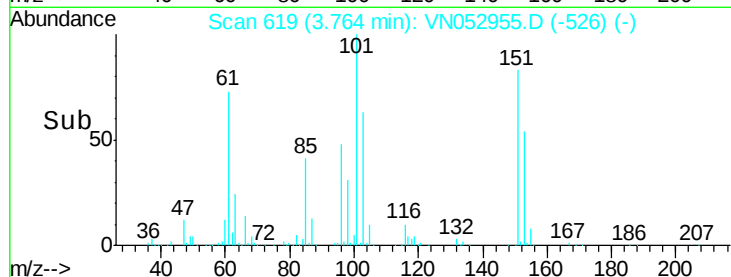
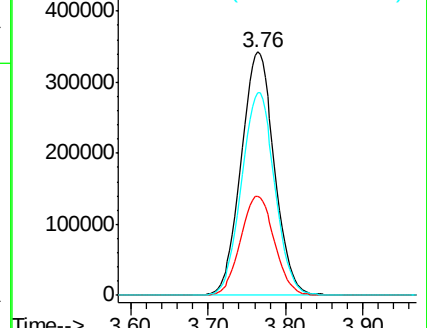
12/19/2018 12:06:28 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 110.782 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

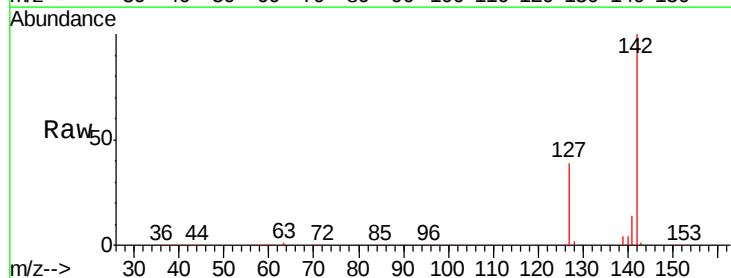
Tgt Ion:142 Resp: 1568957

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

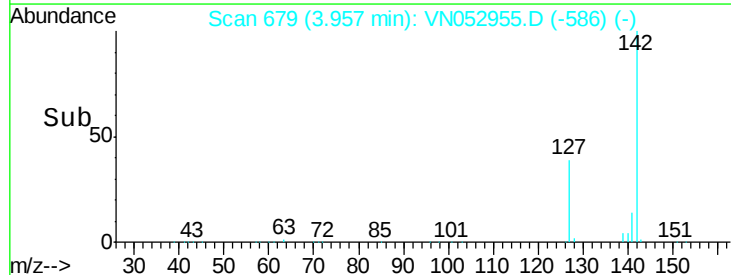
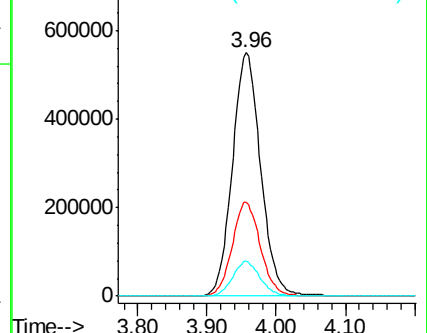
141 14.0 11.2 16.8

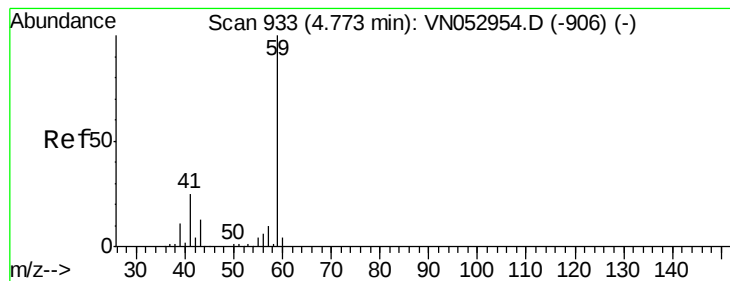


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

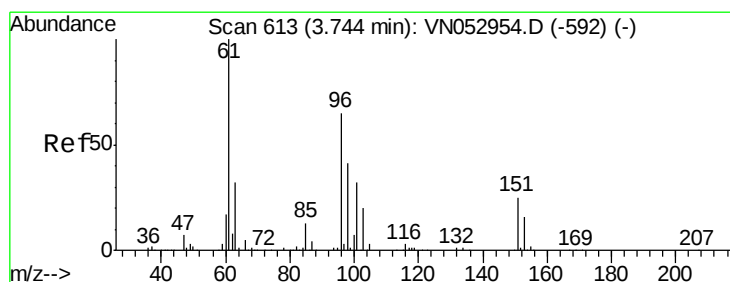
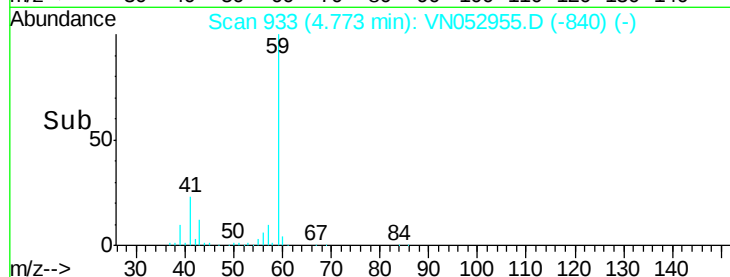
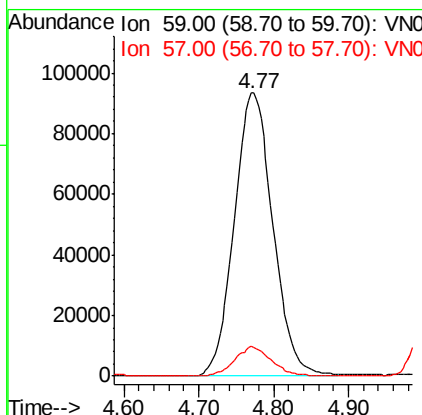
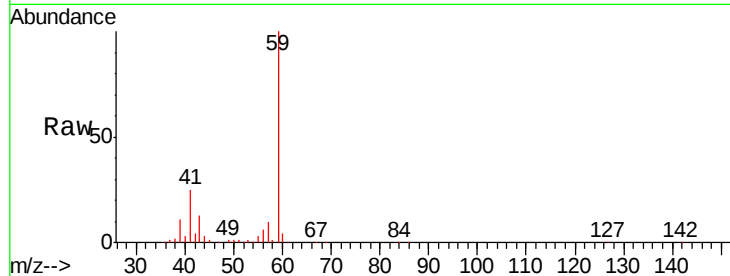
Tert butyl alcohol
 Concen: 515.456 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 59 Resp: 335430
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5

Manual Integrations
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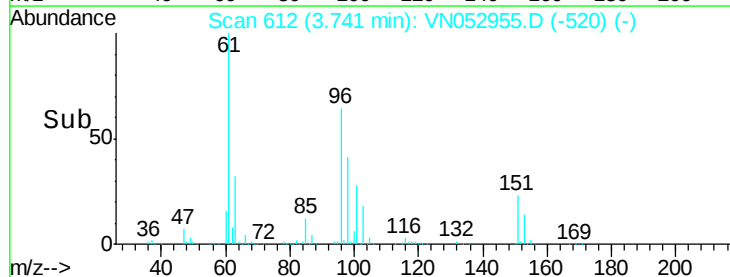
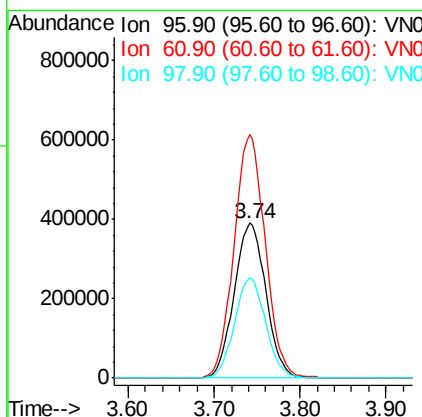
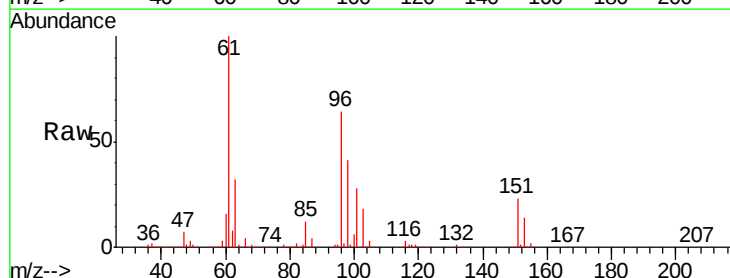
MMDadoda
 12/19/2018 12:06:28 PM

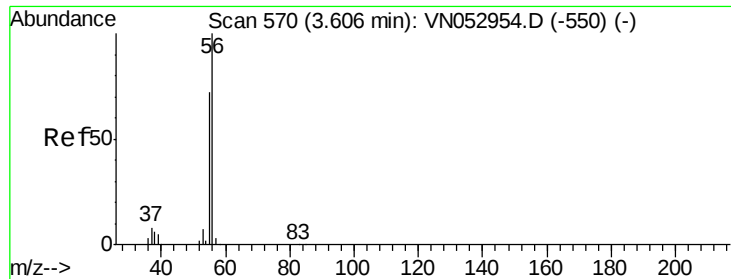


#12

1,1-Dichloroethene
 Concen: 97.587 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion: 96 Resp: 1001462
 Ion Ratio Lower Upper
 96 100
 61 157.4 125.6 188.4
 98 64.7 50.6 75.8





#13

Acrolein

Concen: 516.980 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 300768

Ion Ratio Lower Upper

56 100

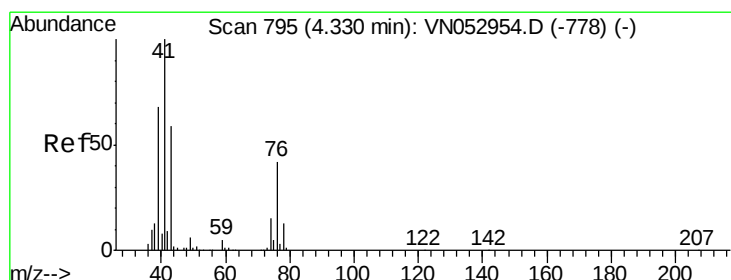
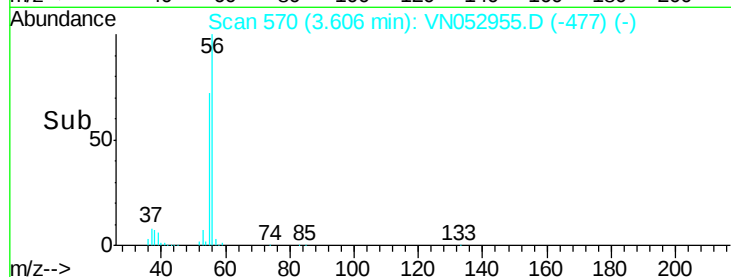
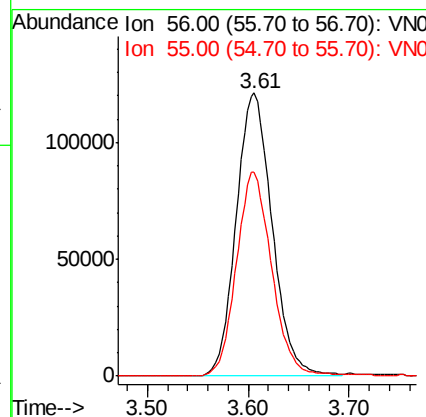
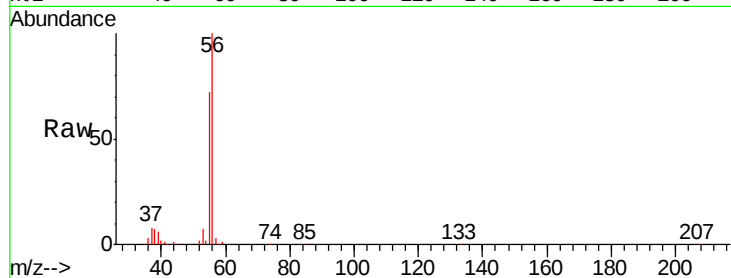
55 70.6 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 101.173 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

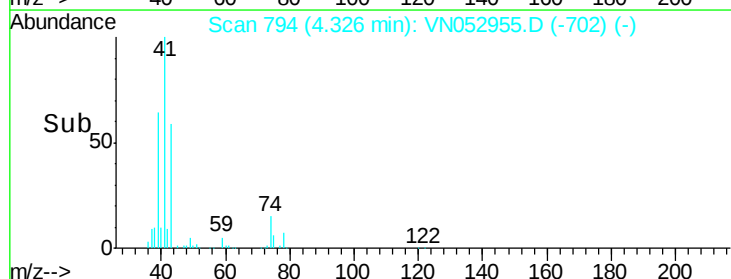
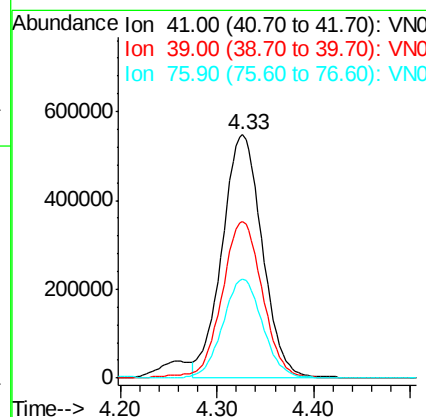
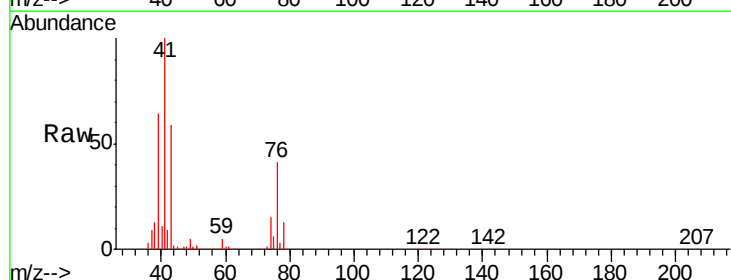
Tgt Ion: 41 Resp: 1571717

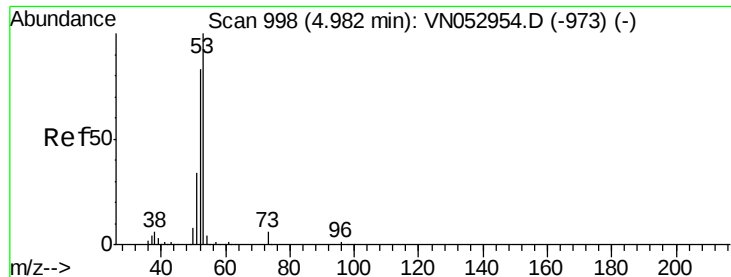
Ion Ratio Lower Upper

41 100

39 66.0 54.1 81.1

76 40.1 30.3 45.5





#15

Acrylonitrile

Concen: 484.156 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1795449

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

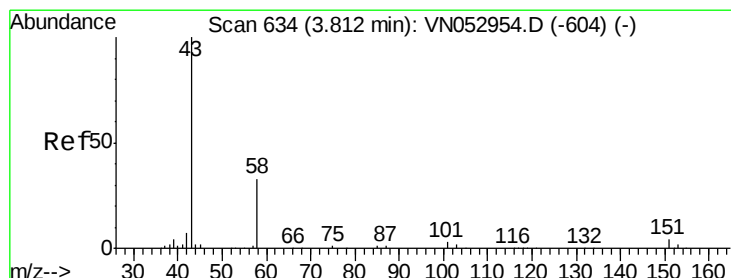
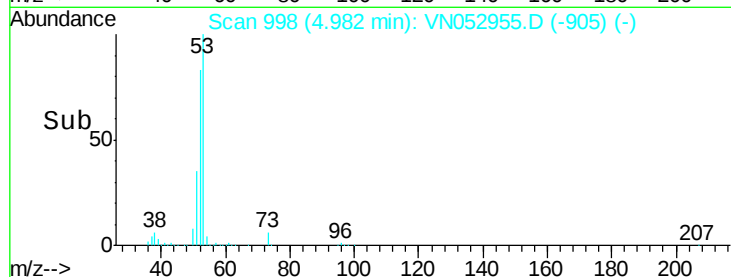
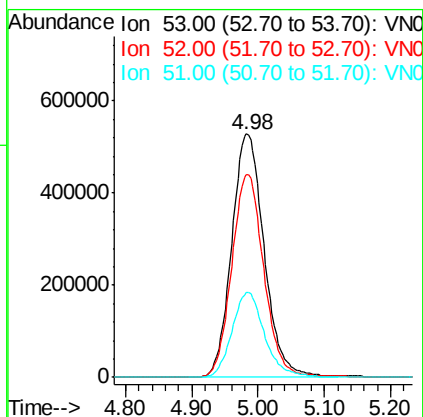
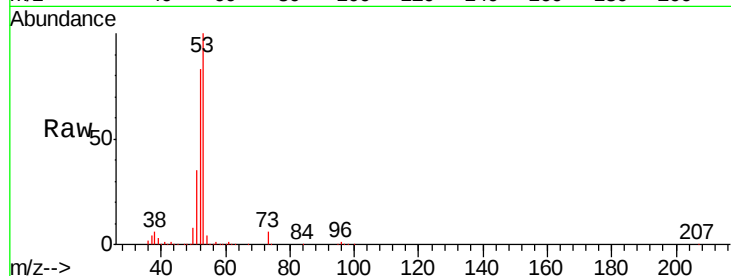
51 35.5 28.1 42.1

Manual Integrations

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#16

Acetone

Concen: 485.766 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052955.D

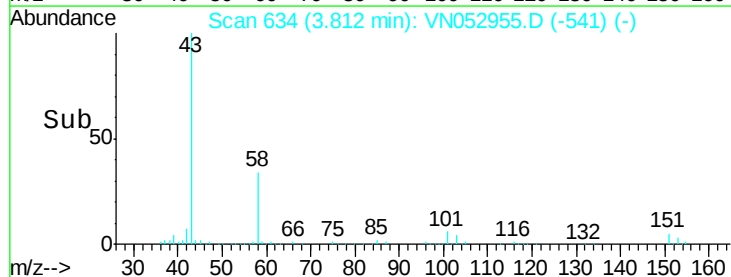
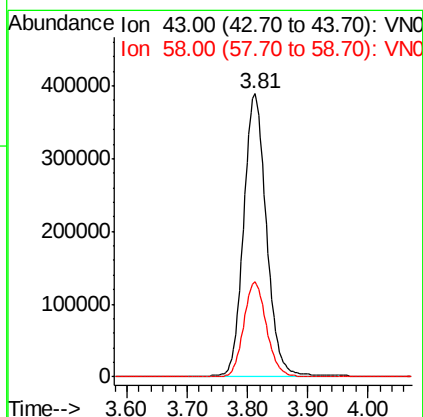
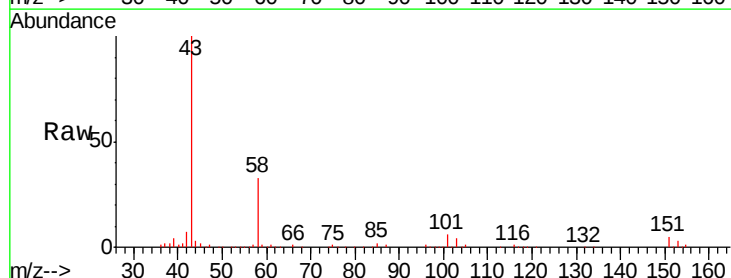
Acq: 18 Dec 2018 12:15

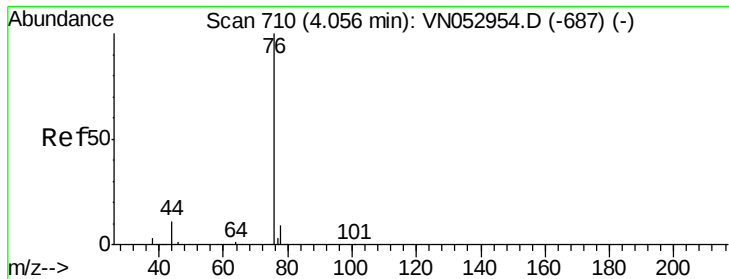
Tgt Ion: 43 Resp: 1037759

Ion Ratio Lower Upper

43 100

58 33.4 25.4 38.0





#17

Carbon Disulfide

Concen: 91.676 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 3127750

Ion Ratio Lower Upper

76 100

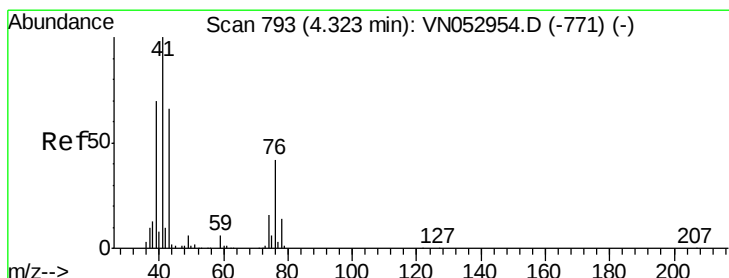
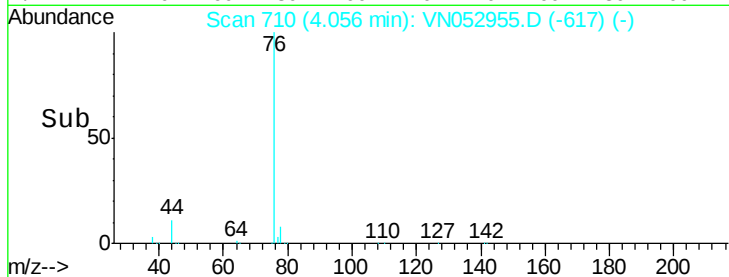
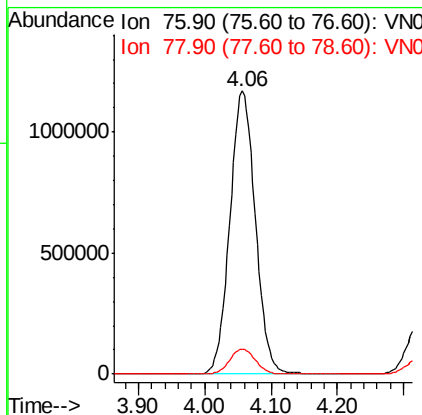
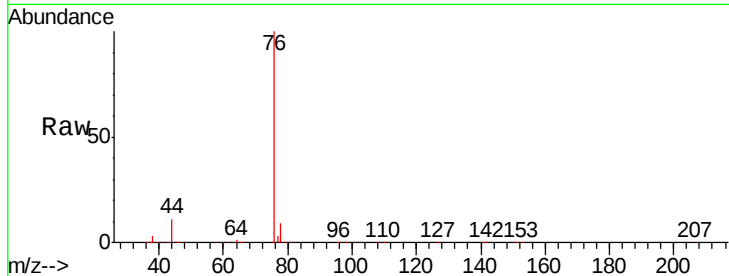
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 95.303 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052955.D

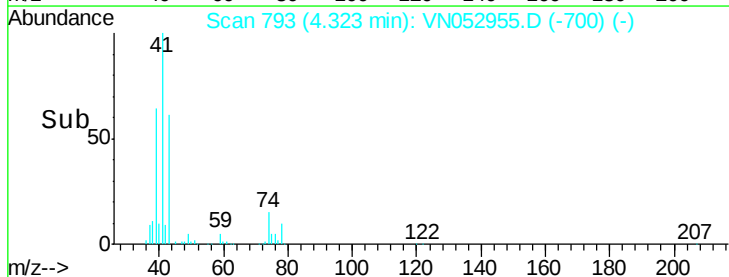
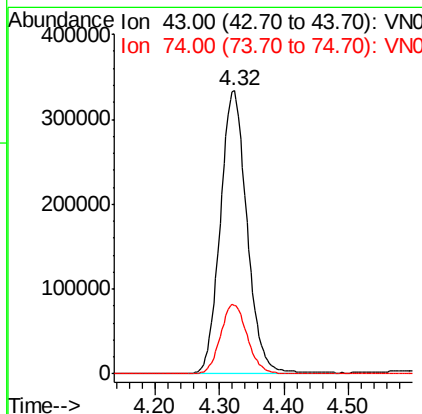
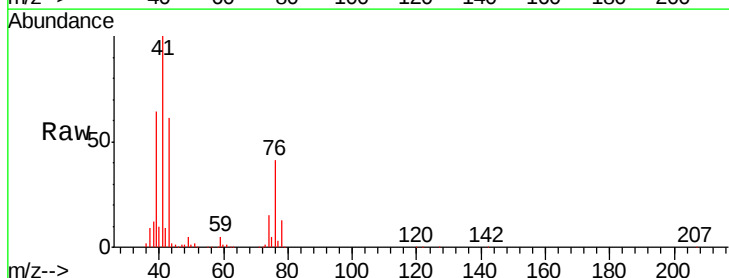
Acq: 18 Dec 2018 12:15

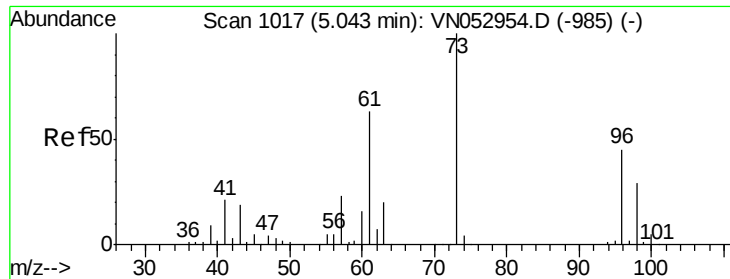
Tgt Ion: 43 Resp: 958490

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8





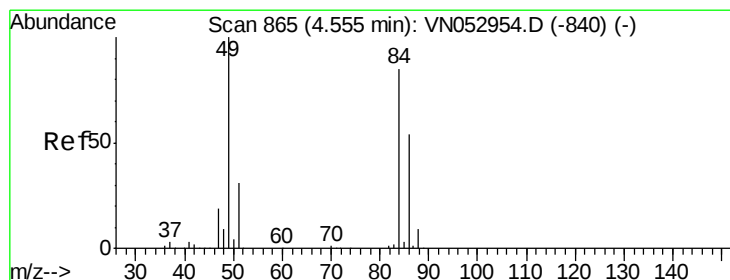
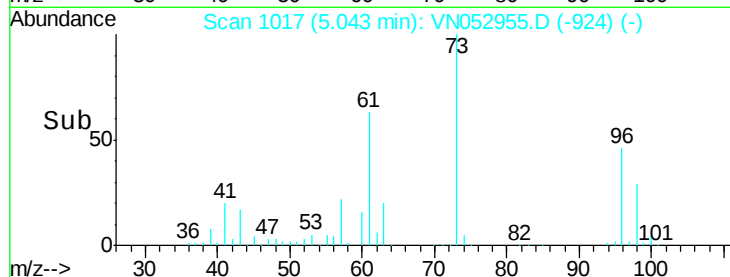
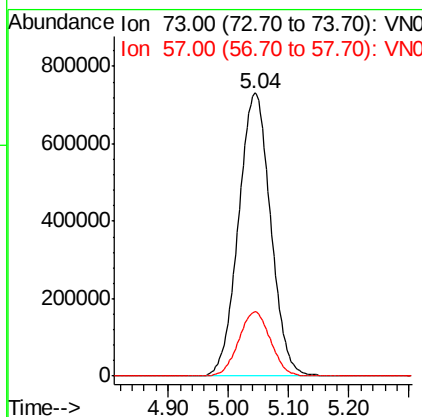
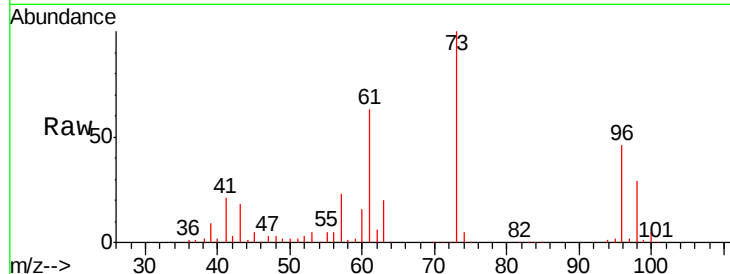
#19
Methyl tert-butyl Ether
Concen: 100.357 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 2729351
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

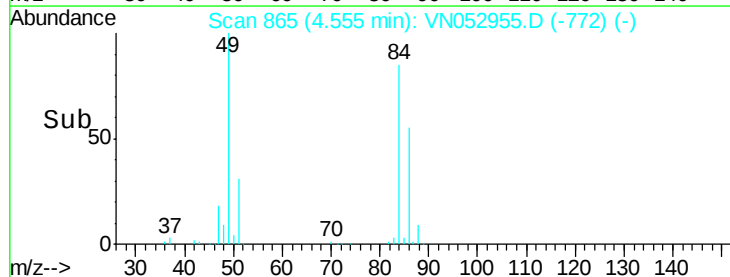
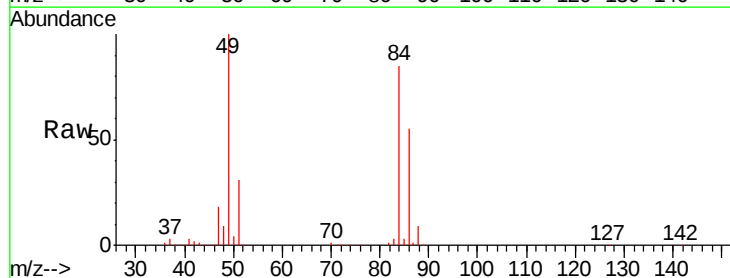
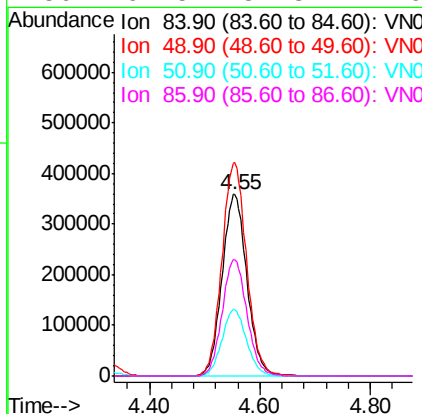
Manual Integrations
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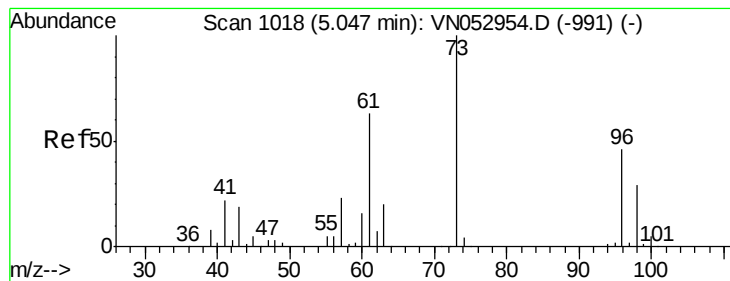
MMDadoda
12/19/2018 12:06:28 PM



#20
Methylene Chloride
Concen: 94.678 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 84 Resp: 1117843
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 36.6 29.9 44.9
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 96.081 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 1065293

Ion Ratio Lower Upper

96 100

61 137.3 110.8 166.2

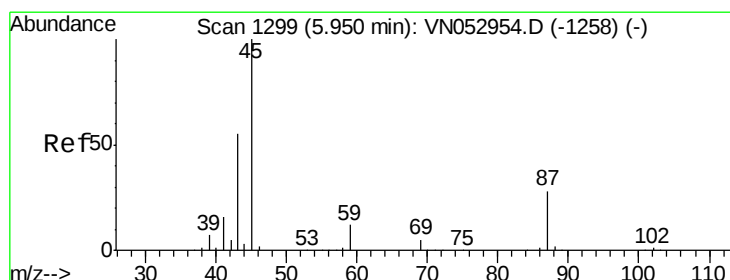
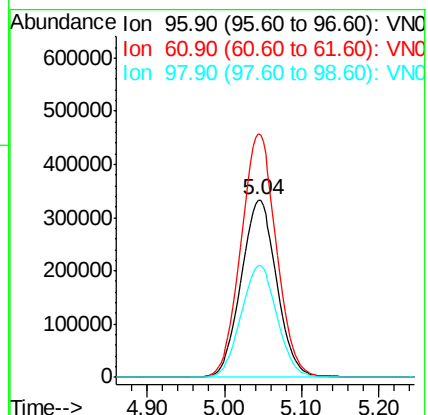
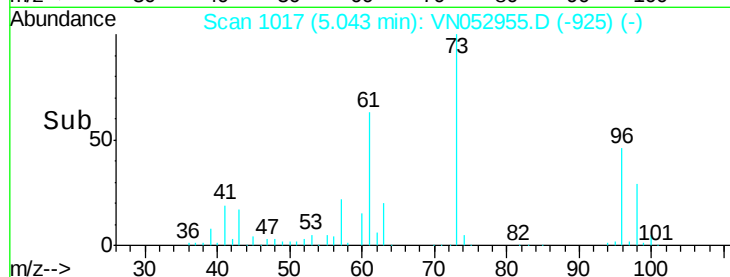
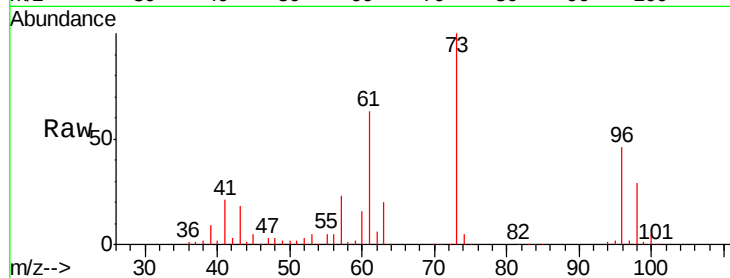
98 63.2 51.4 77.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 99.724 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Tgt Ion: 45 Resp: 3361250

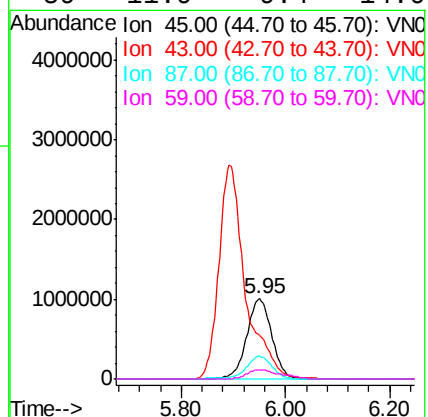
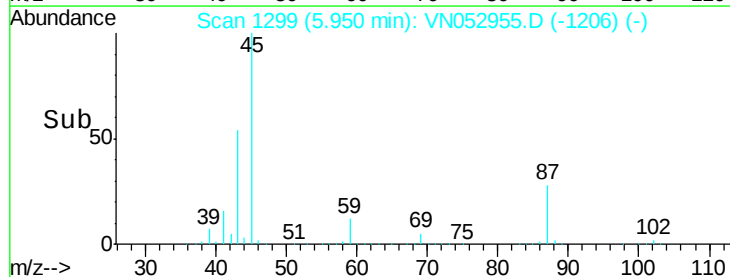
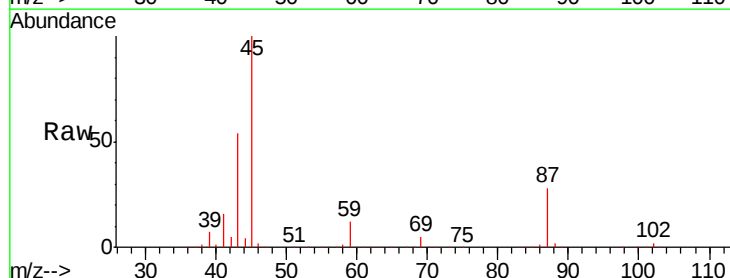
Ion Ratio Lower Upper

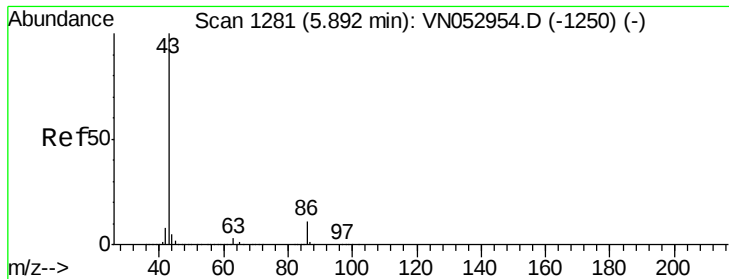
45 100

43 54.3 45.5 68.3

87 28.3 22.0 33.0

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 484.967 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 9464366

Ion Ratio Lower Upper

43 100

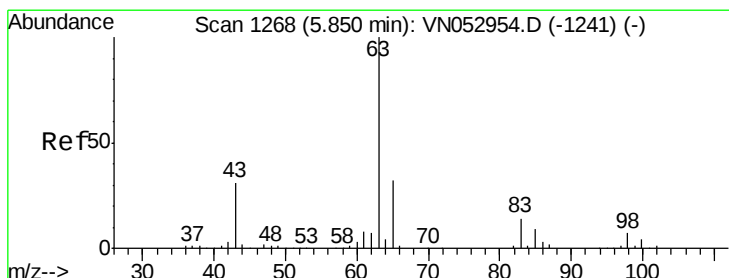
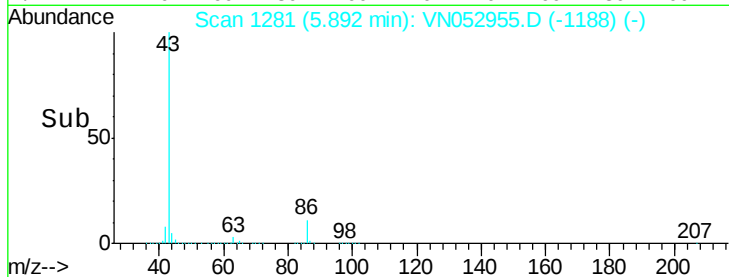
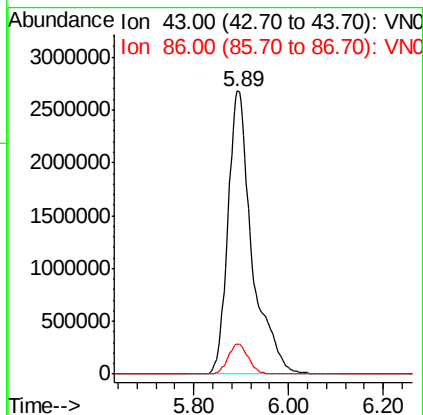
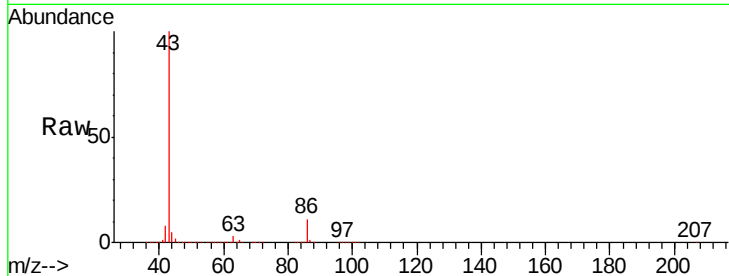
86 10.8 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 97.623 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

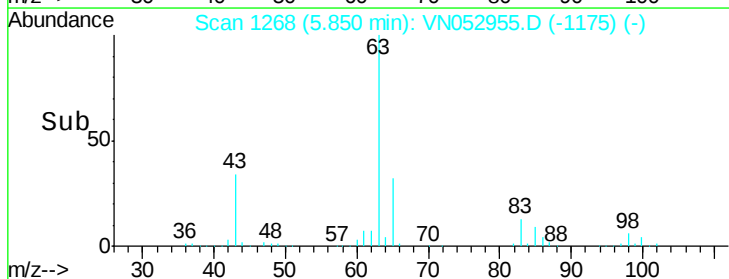
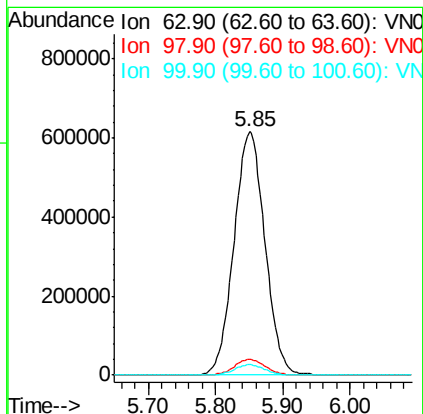
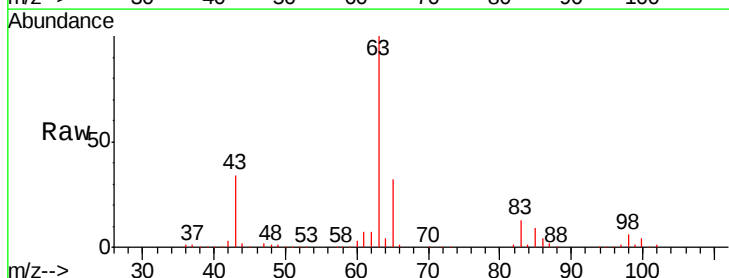
Tgt Ion: 63 Resp: 1969417

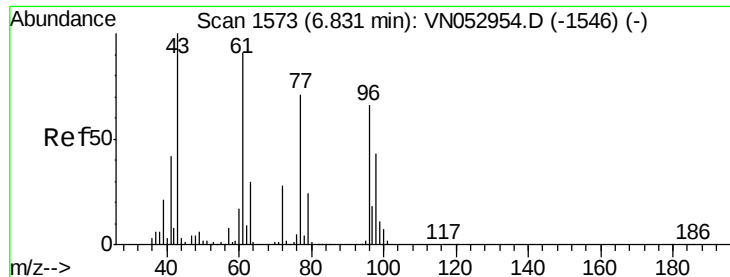
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.2 2.0 5.8





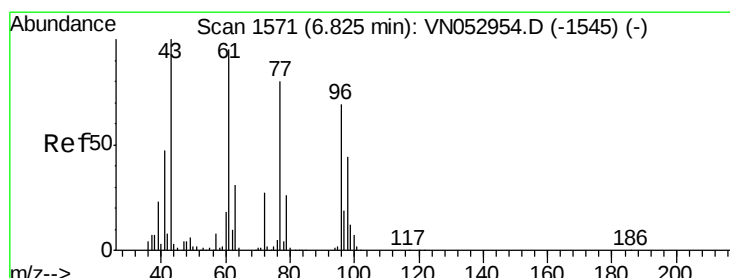
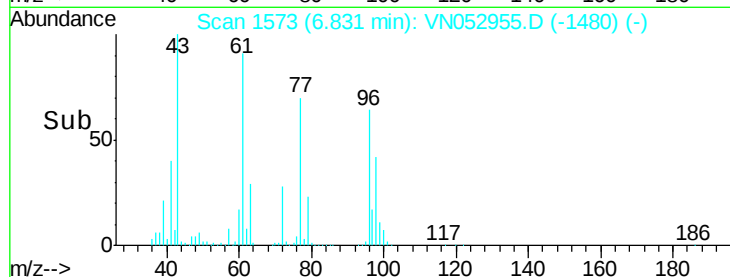
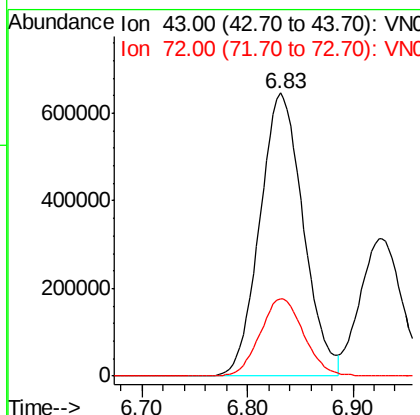
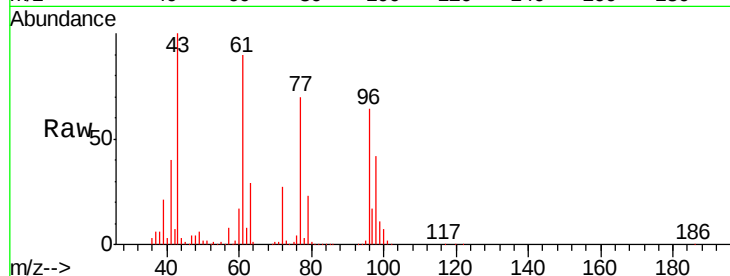
#25
2-Butanone
Concen: 525.954 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1841210
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6

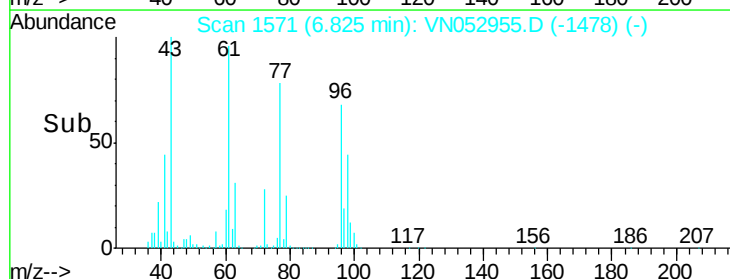
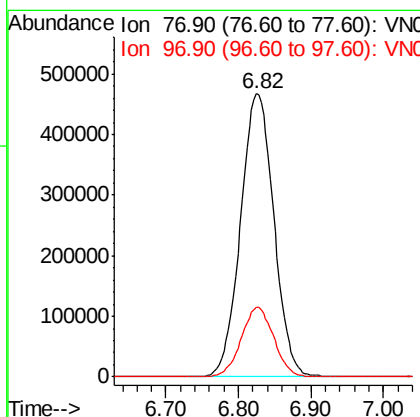
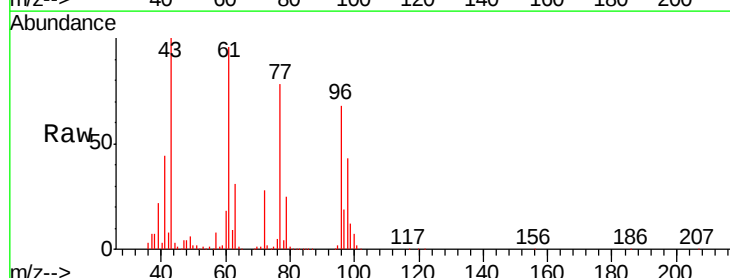
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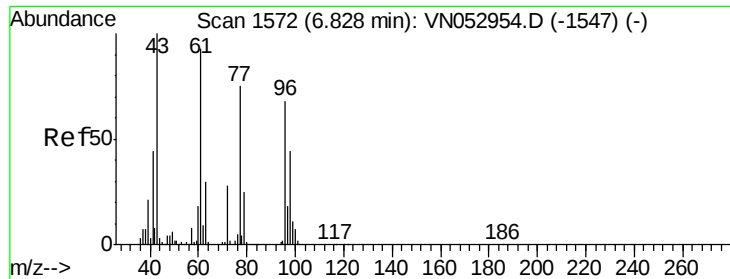
MMDadoda
12/19/2018 12:06:28 PM



#26
2,2-Dichloropropane
Concen: 97.034 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 77 Resp: 1494947
Ion Ratio Lower Upper
77 100
97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 97.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 1220723

Ion Ratio Lower Upper

96 100

61 141.3 0.0 284.2

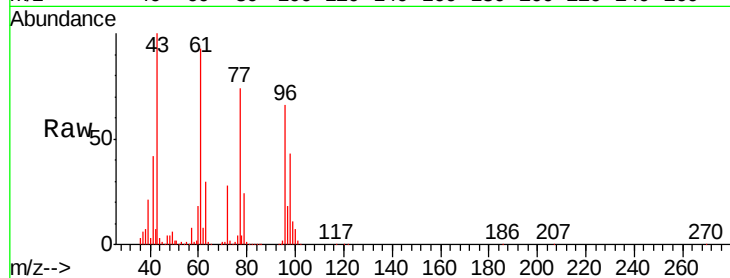
98 64.7 0.0 129.2

Manual Integrations

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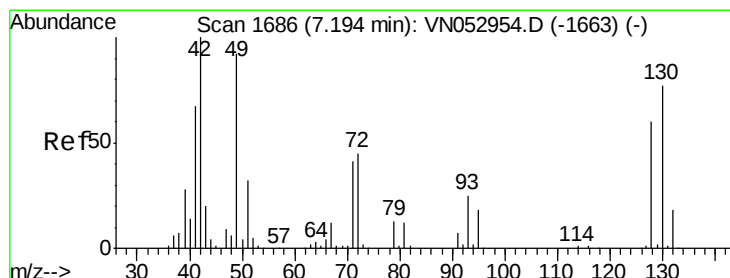
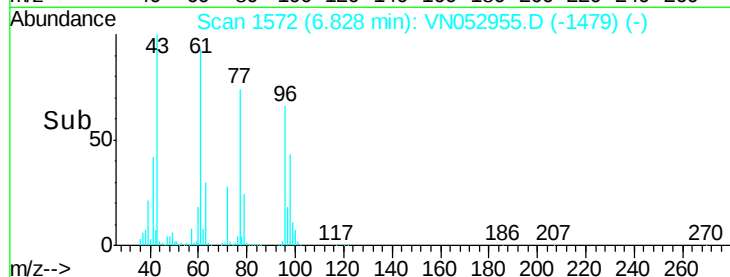
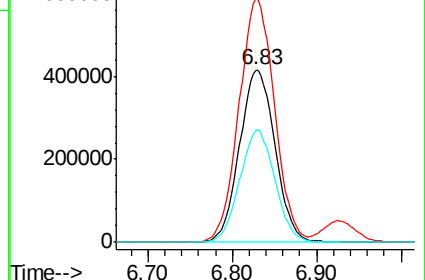
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Abundance Ion 95.90 (95.60 to 96.60): VN052955.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN052955.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN052955.D (-1479) (-)



#28

Bromochloromethane

Concen: 103.167 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

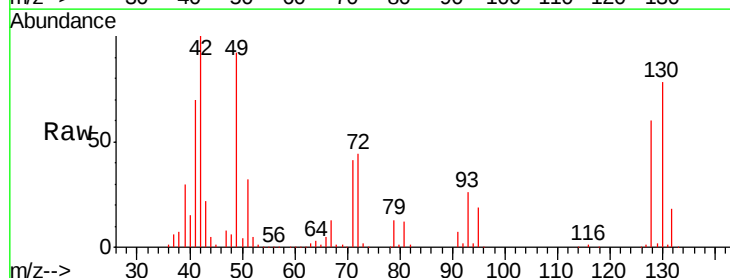
Tgt Ion: 49 Resp: 887079

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

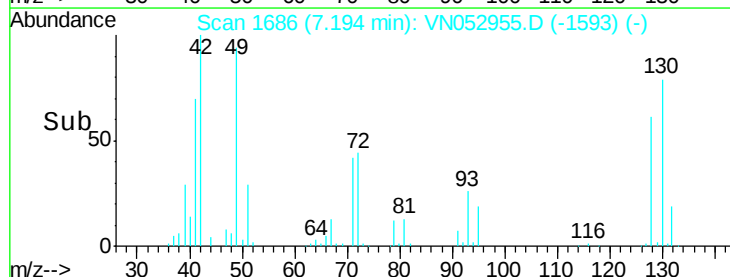
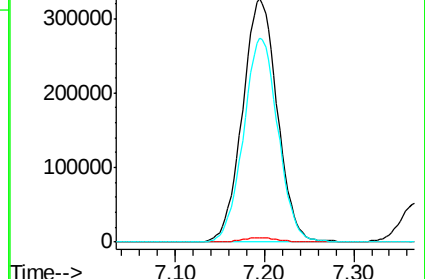
130 83.1 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN052955.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052955.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052955.D (-1593) (-)





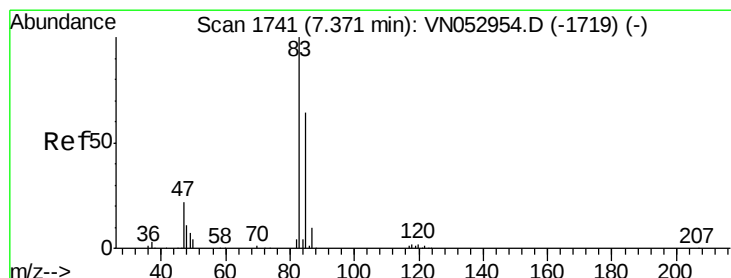
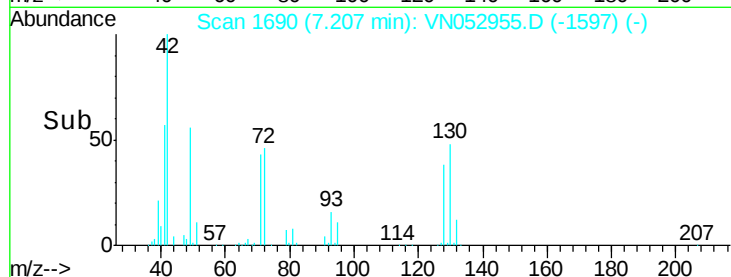
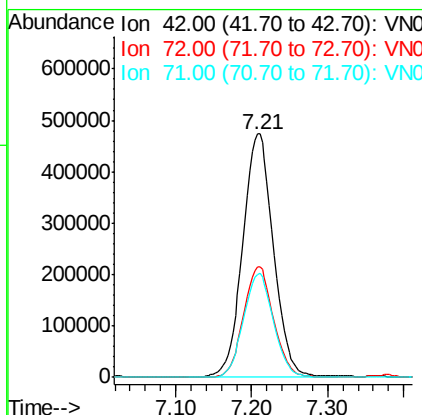
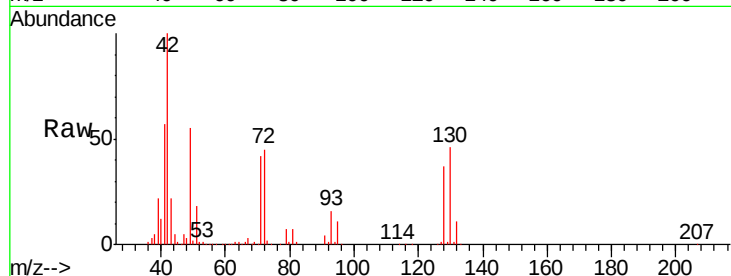
#29
Tetrahydrofuran
Concen: 498.472 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 1327742
Ion Ratio Lower Upper
42 100
72 44.4 34.7 52.1
71 42.0 32.3 48.5

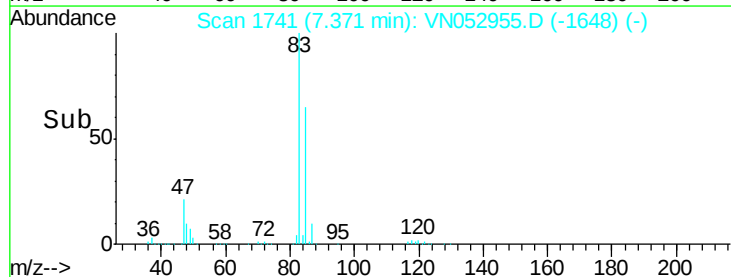
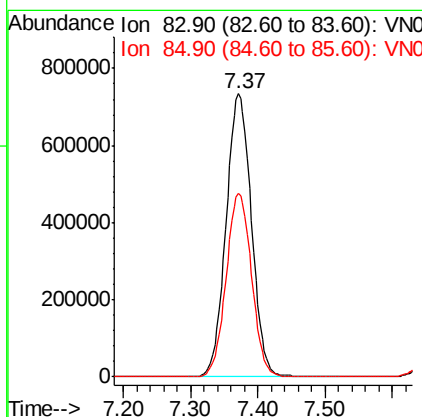
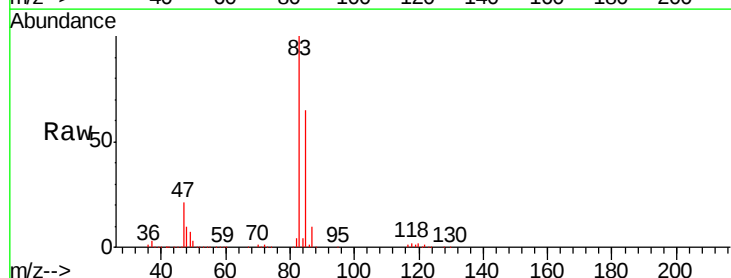
Manual Integrations
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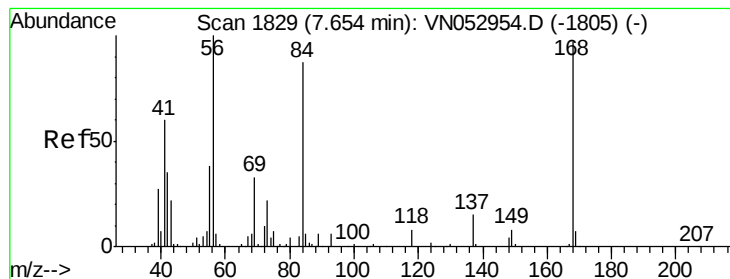
MMDadoda
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#30
Chloroform
Concen: 96.846 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 83 Resp: 1924248
Ion Ratio Lower Upper
83 100
85 64.7 52.1 78.1





#31

Cyclohexane

Concen: 78.167 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 1865765

Ion Ratio Lower Upper

56 100

69 31.8 26.6 39.8

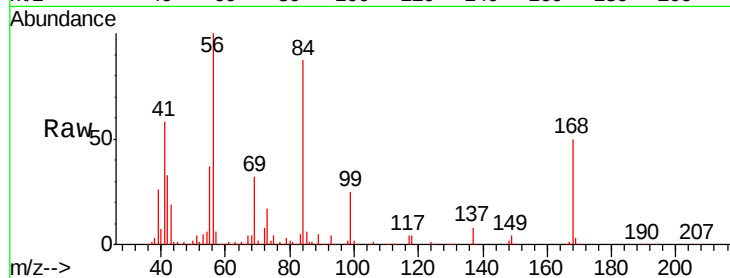
84 85.5 68.4 102.6

Manual Integrations

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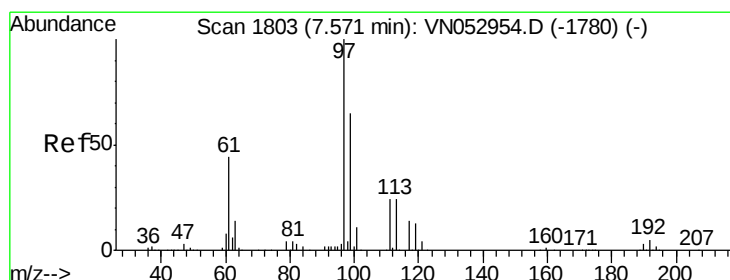
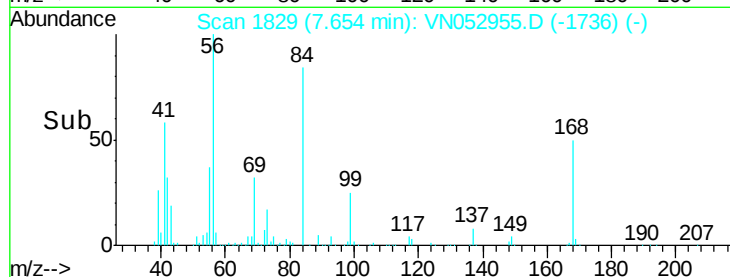
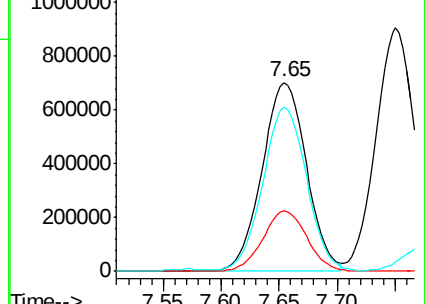
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 98.239 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

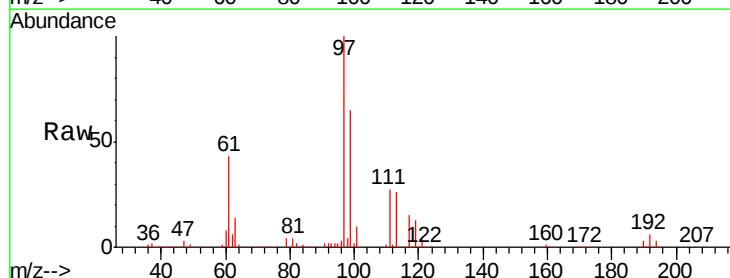
Tgt Ion: 97 Resp: 1652290

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

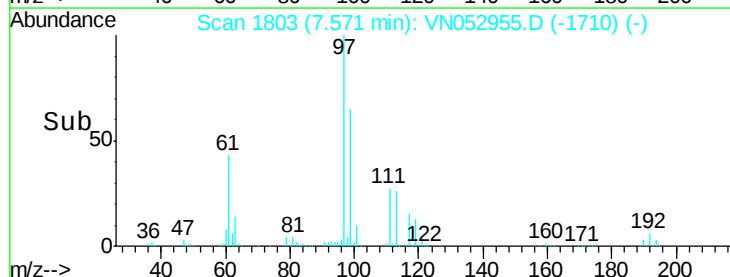
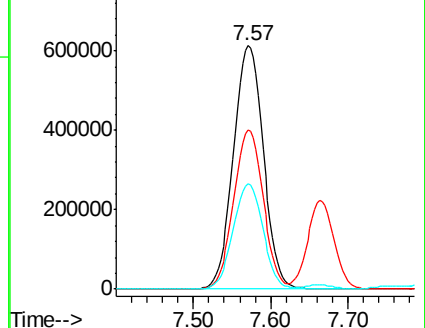
61 42.9 35.0 52.6

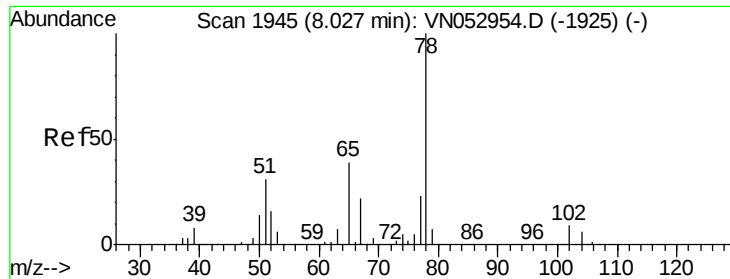


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





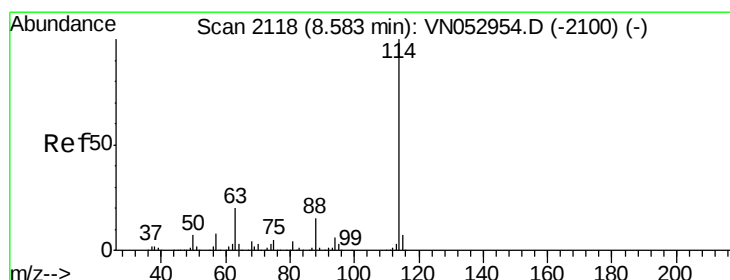
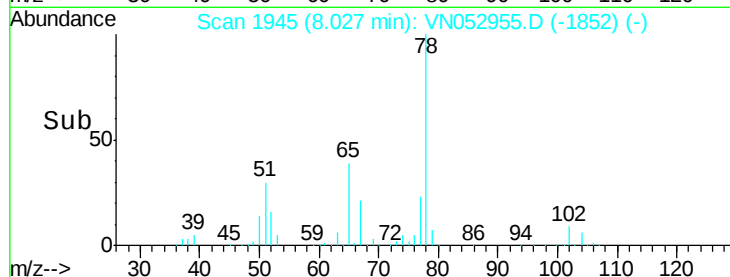
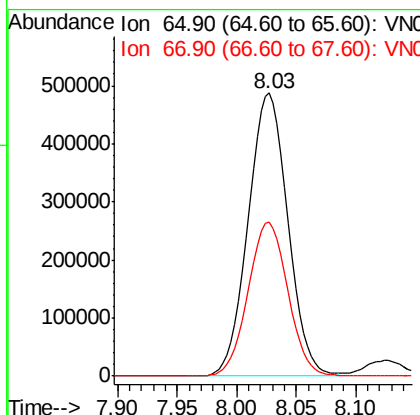
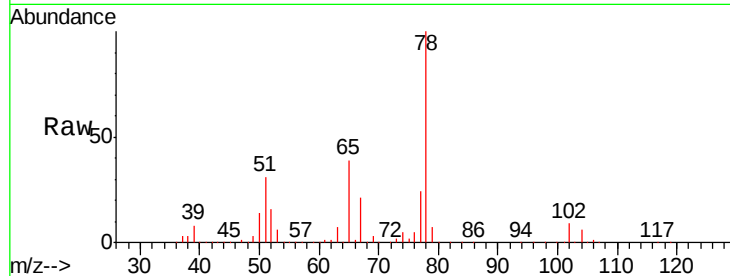
#33
 1,2-Dichloroethane-d4
 Concen: 98.239 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 1126113
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4

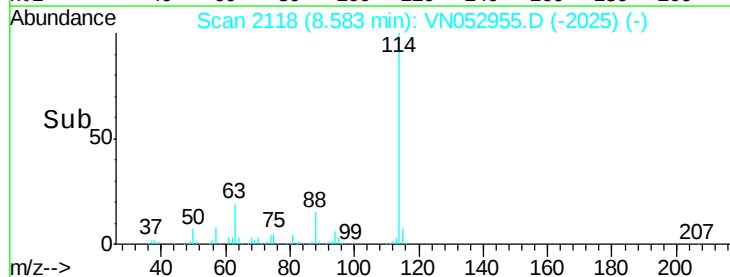
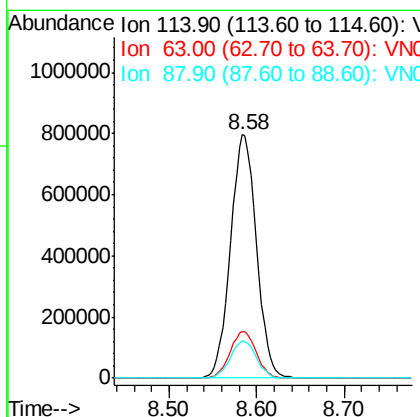
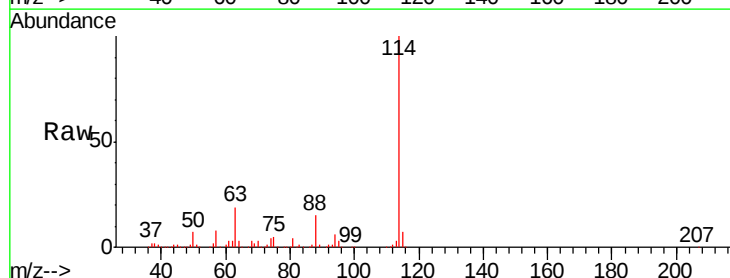
Manual Integrations
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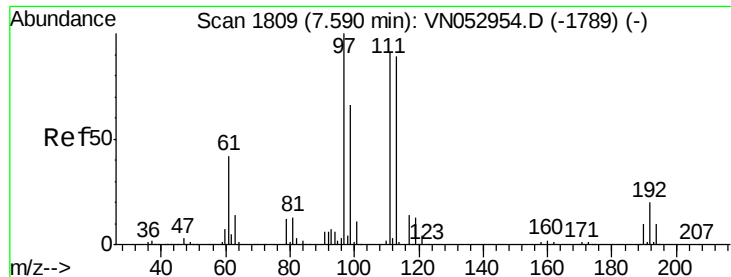
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion: 114 Resp: 1638187
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

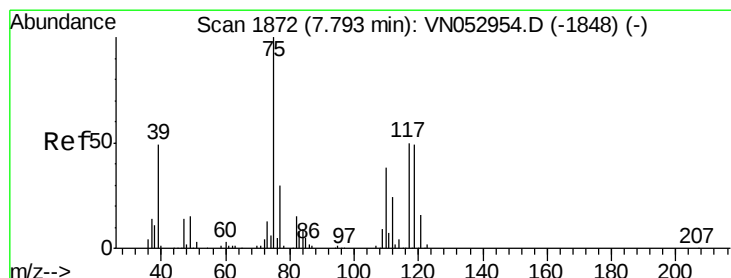
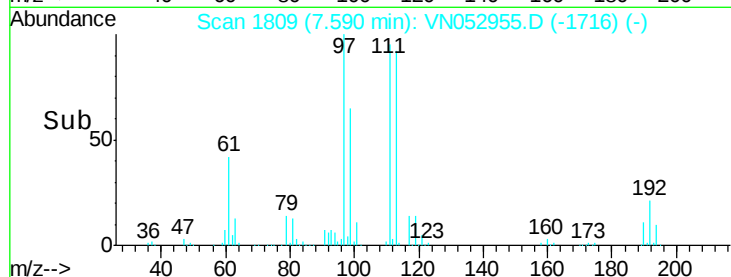
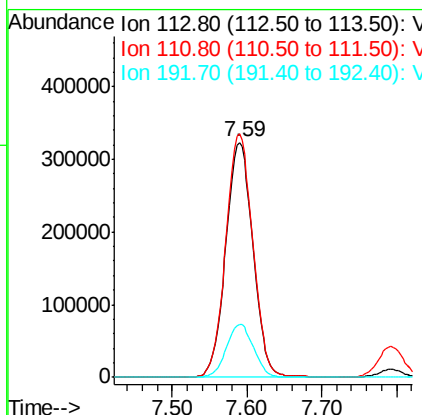
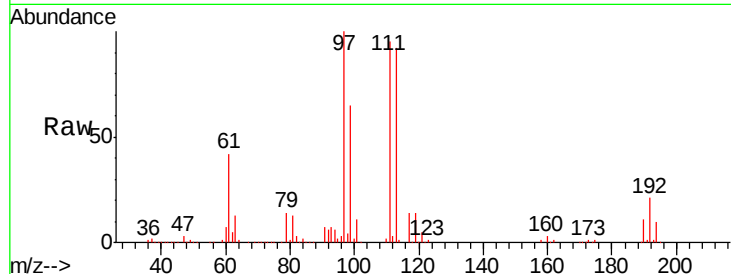
ClientSampleId :

VSTDIC100

Tgt Ion:	113	Resp:	816875
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.0	124.4
192	22.5	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 96.390 ug/l

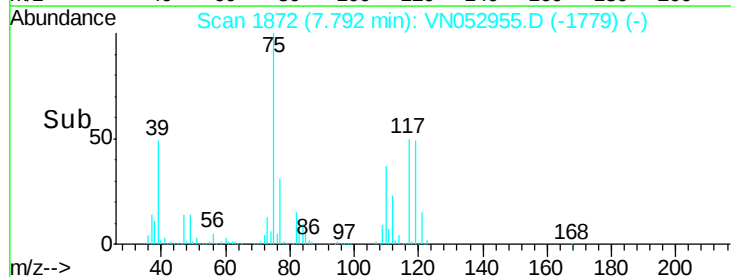
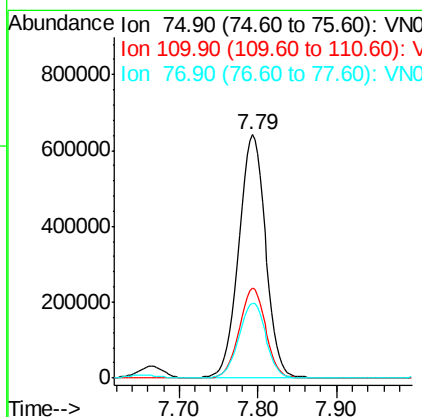
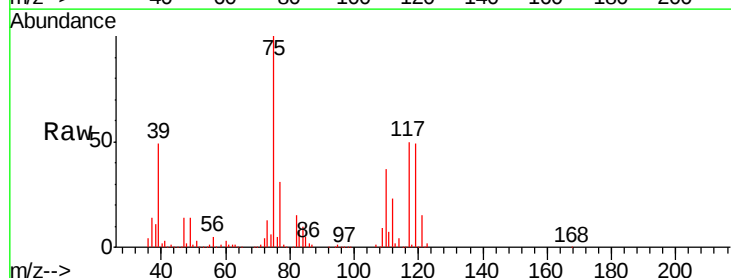
RT: 7.79 min Scan# 1872

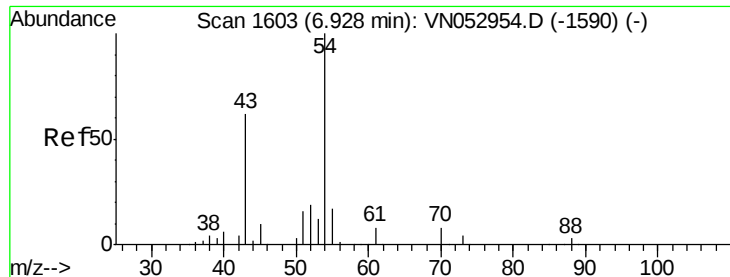
Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Tgt Ion:	75	Resp:	1536138
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.2	54.6
77	31.1	24.9	37.3





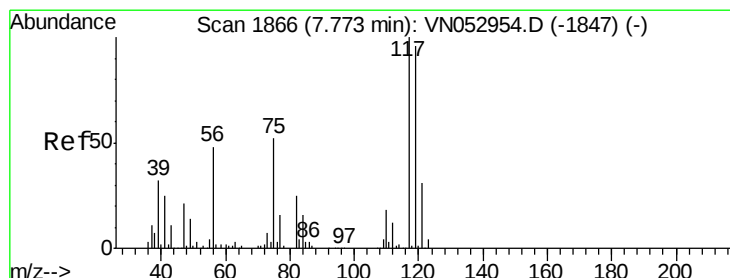
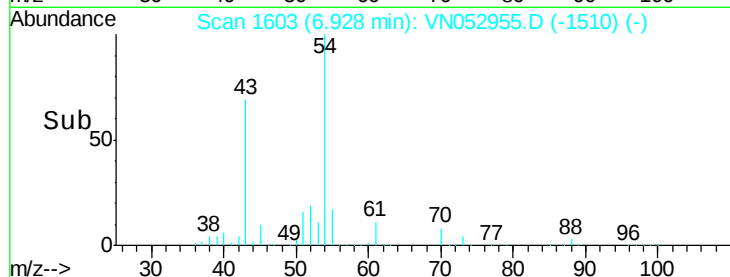
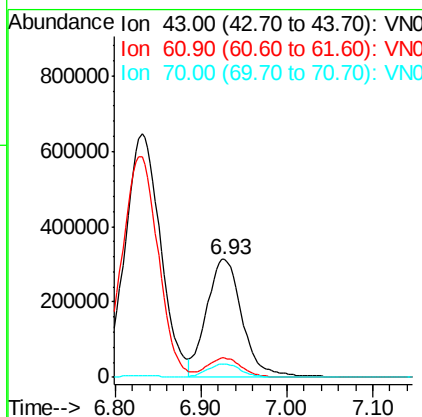
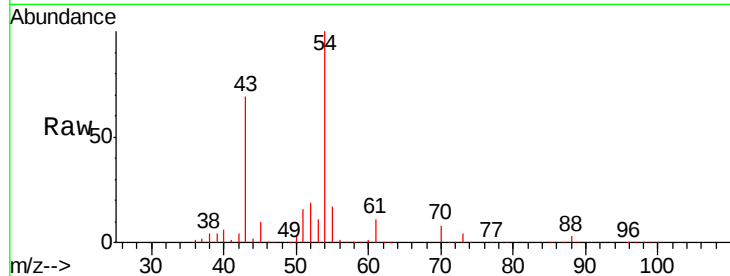
#37
Ethyl Acetate
Concen: 102.617 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.9	8.4	12.6

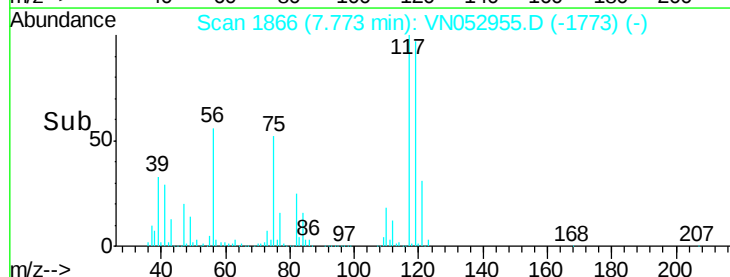
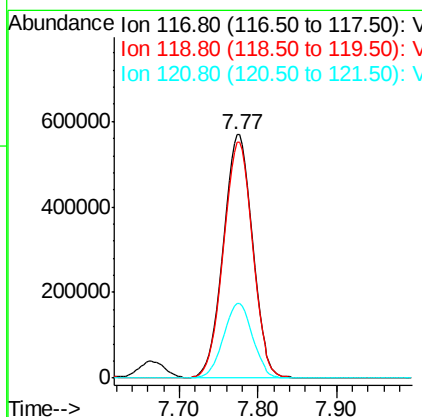
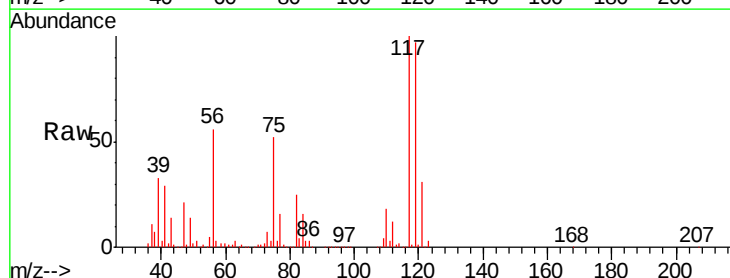
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#38
Carbon Tetrachloride
Concen: 101.557 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.1	115.7
121	30.7	24.9	37.3





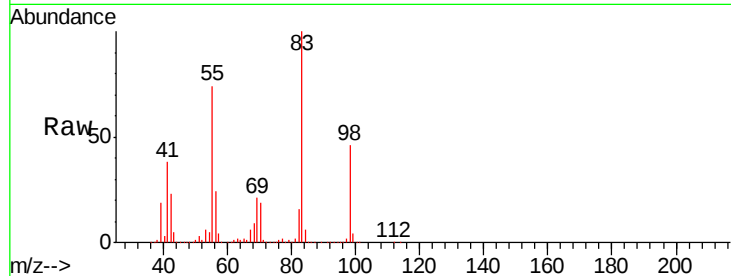
#39
Methylcyclohexane
Concen: 97.734 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

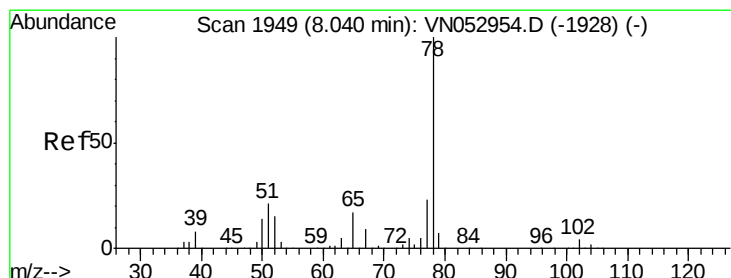
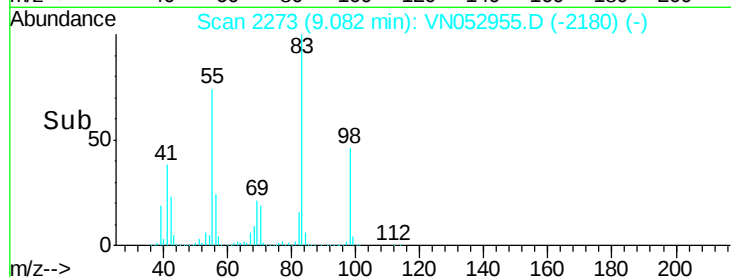
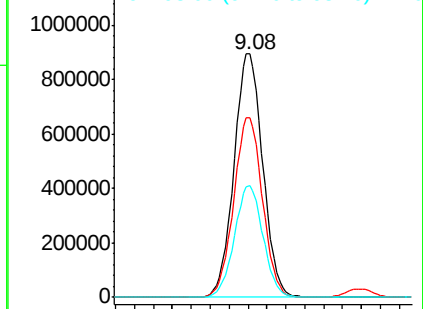
Tgt Ion: 83 Resp: 1883474
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 45.8 37.0 55.4

Manual Integrations
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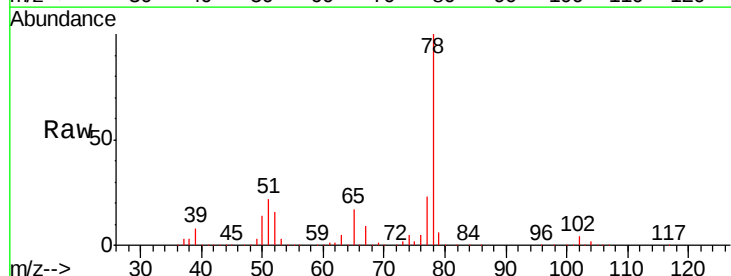


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

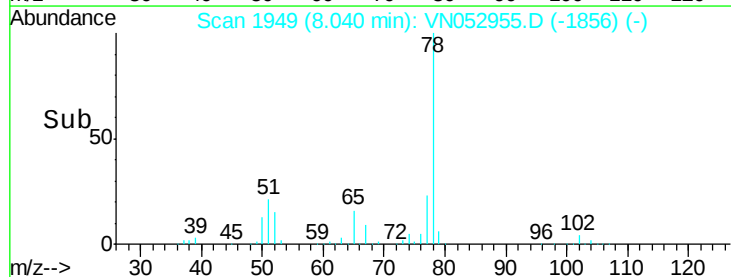
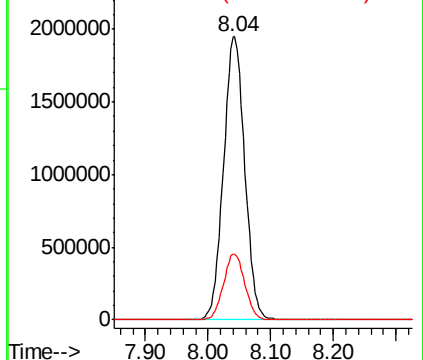


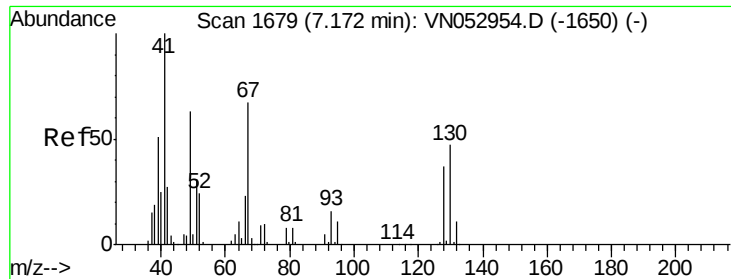
#40
Benzene
Concen: 96.397 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 78 Resp: 4571121
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





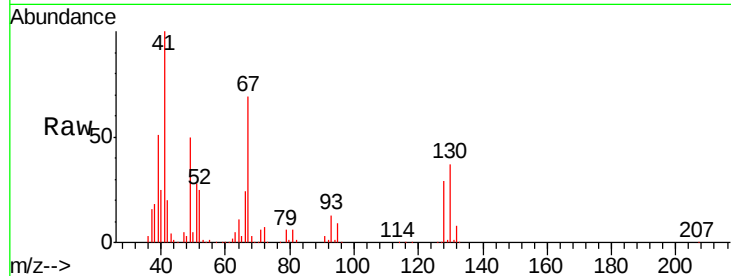
#41
Methacrylonitrile
Concen: 104.038 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.1	48.0	72.0
67	82.0	70.3	105.5
52	31.0	26.9	40.3

Manual Integrations
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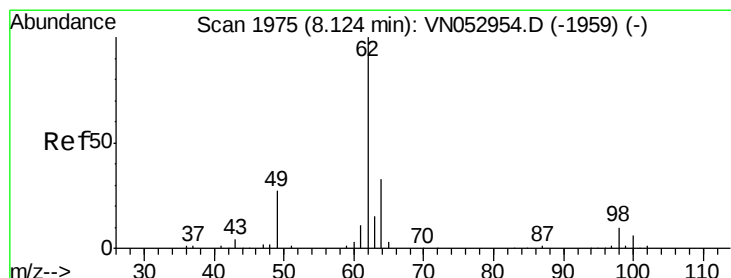
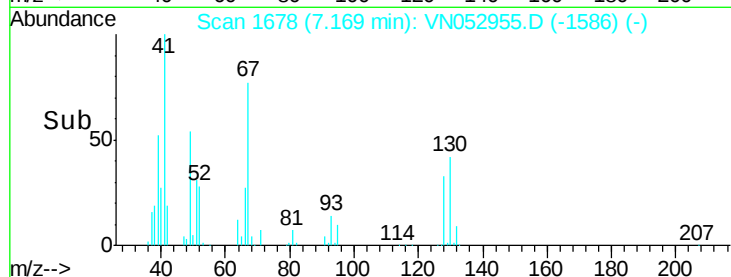
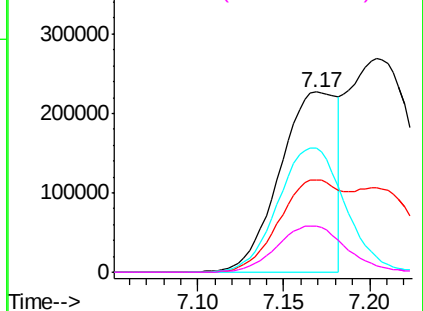
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

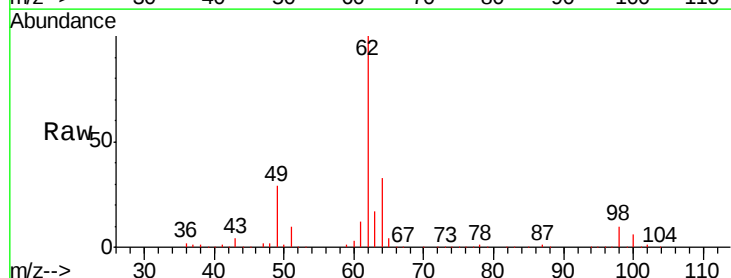
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 95.768 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

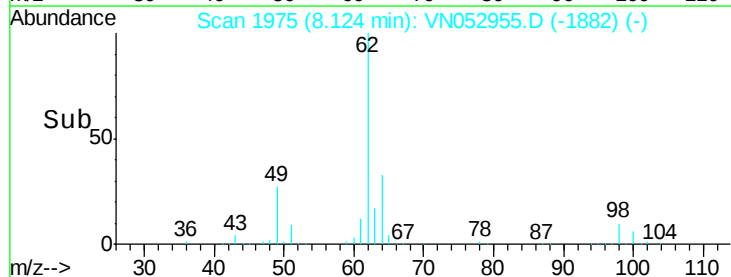
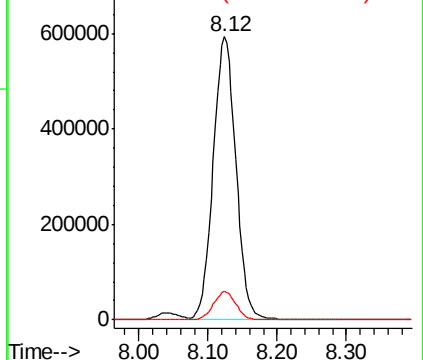
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0

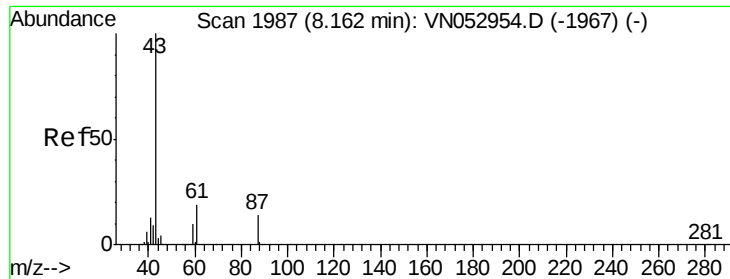


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 80.525 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

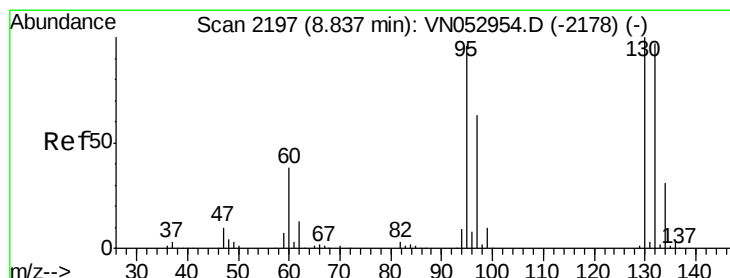
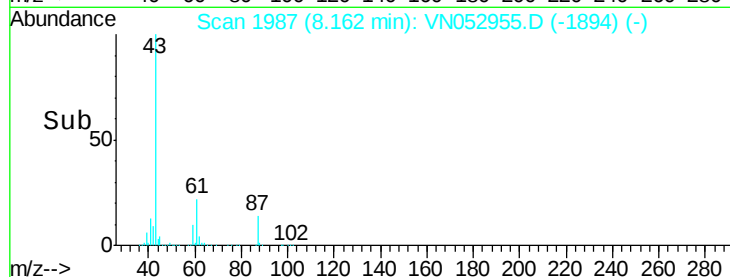
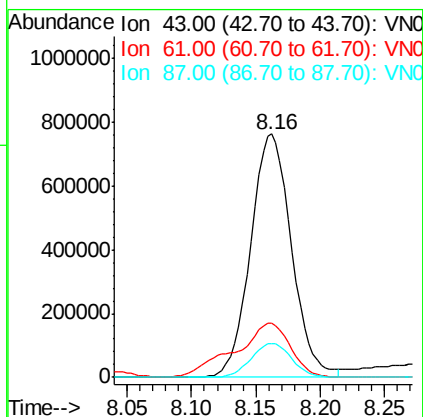
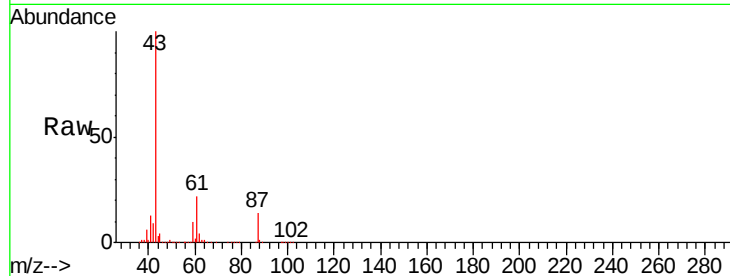
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	1680765
Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.9	34.3
87	14.0	10.6	15.8

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#44

Trichloroethene

Concen: 97.210 ug/l

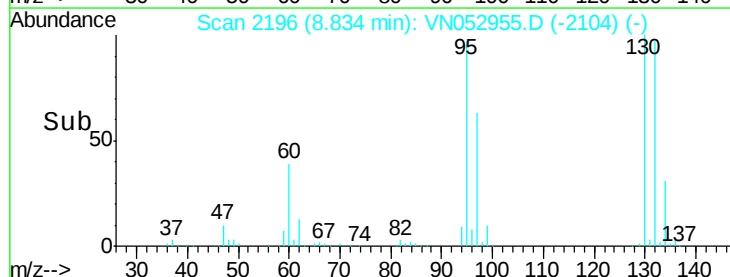
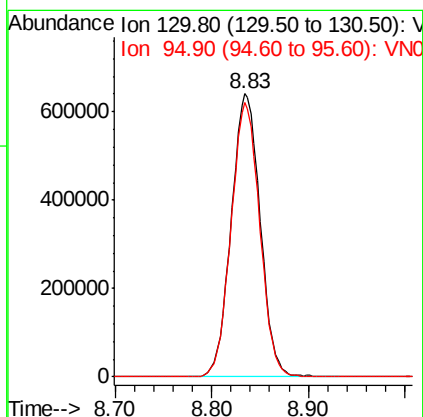
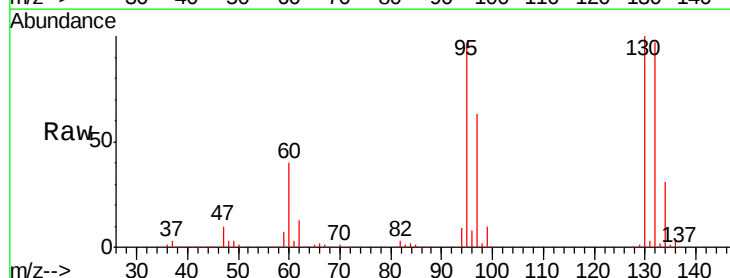
RT: 8.83 min Scan# 2196

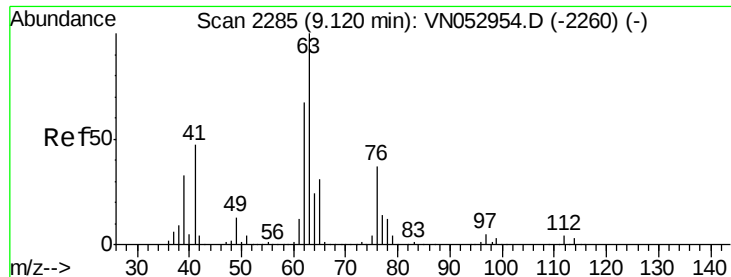
Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Tgt Ion:	130	Resp:	1330045
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	197.8





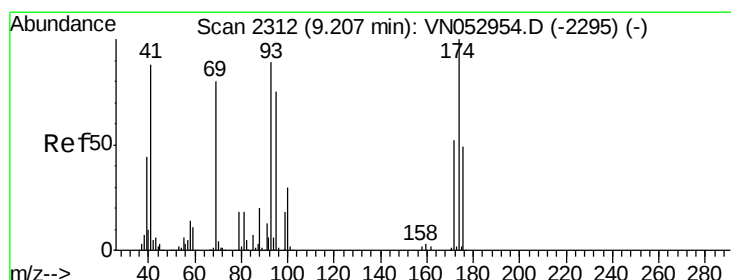
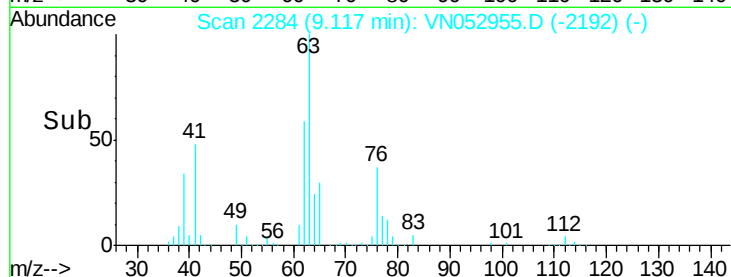
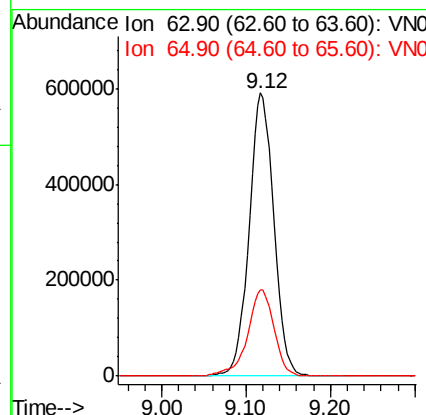
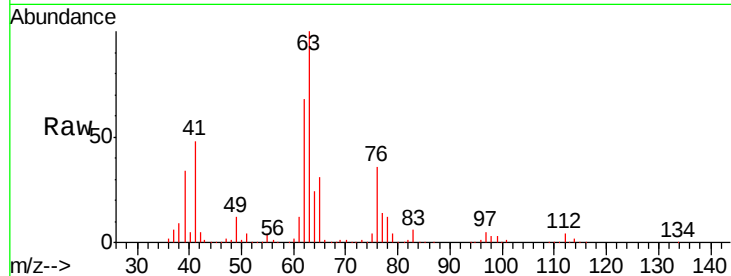
#45
 1,2-Dichloropropane
 Concen: 97.866 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1202983
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0

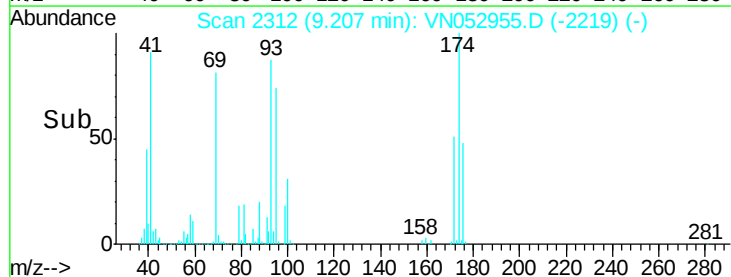
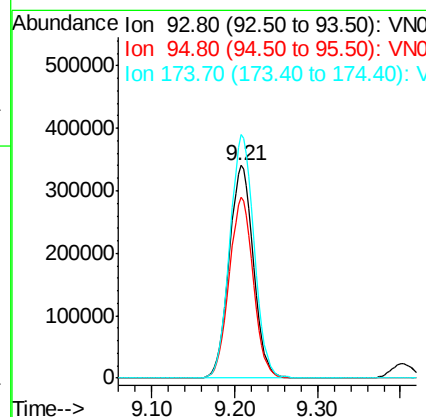
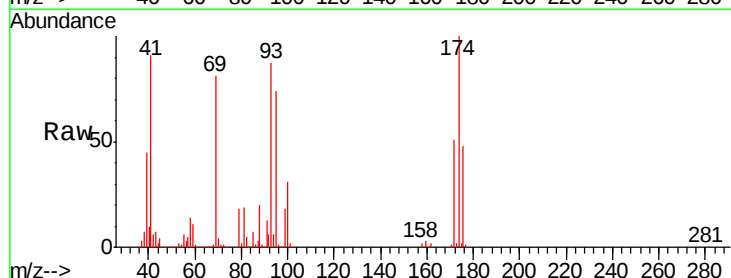
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#46
 Dibromomethane
 Concen: 96.575 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion: 93 Resp: 694124
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.8 101.6
 174 114.4 89.0 133.4





#47

Bromodichloromethane

Concen: 98.135 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

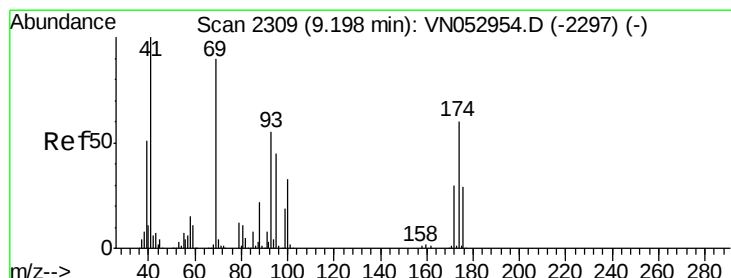
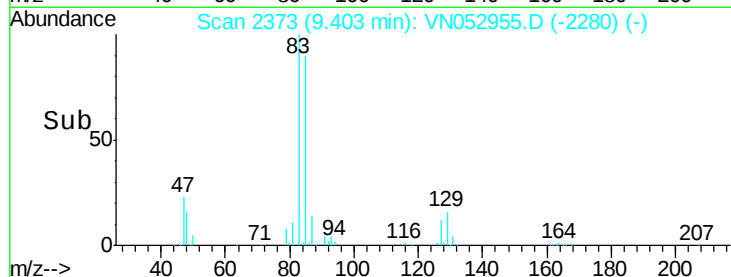
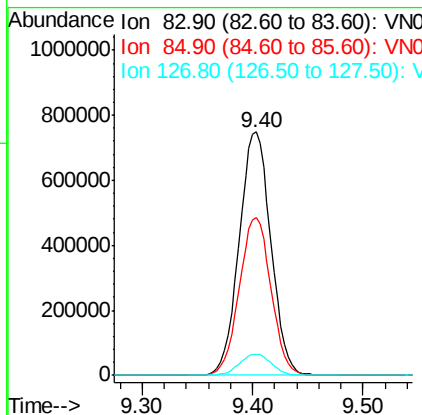
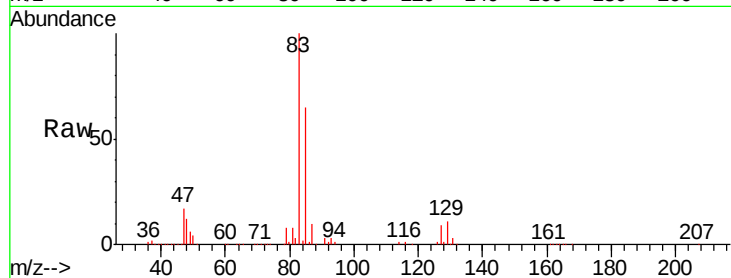
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	1489533
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 100.385 ug/l

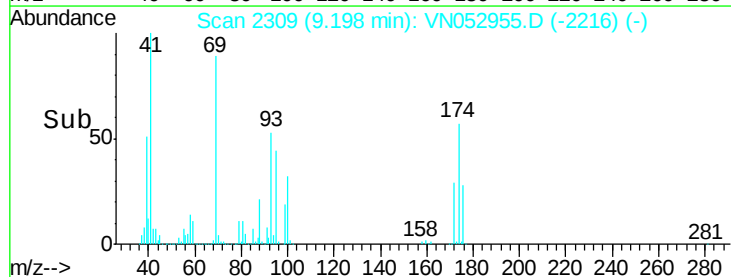
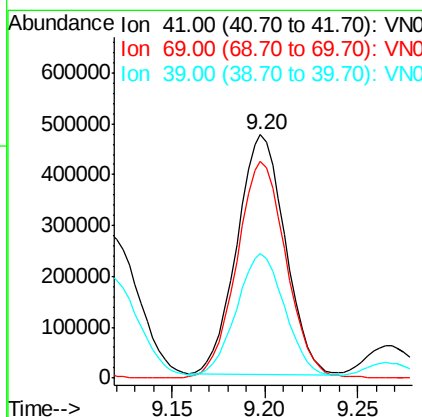
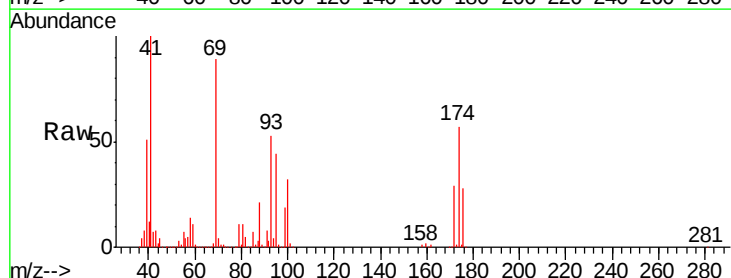
RT: 9.20 min Scan# 2309

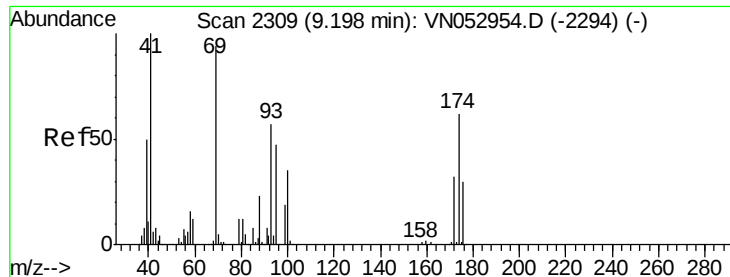
Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Tgt Ion:	41	Resp:	853660
Ion	Ratio	Lower	Upper
41	100		
69	92.6	72.2	108.2
39	53.2	41.9	62.9





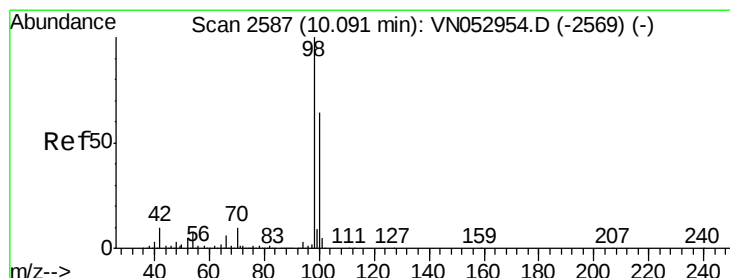
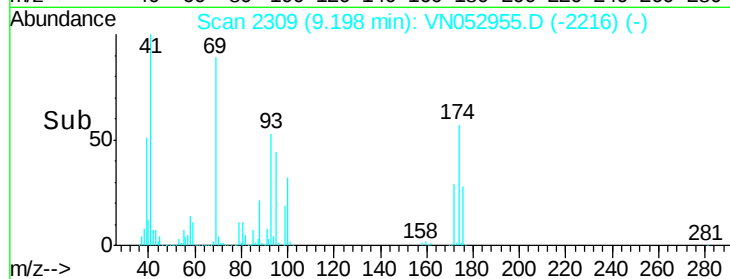
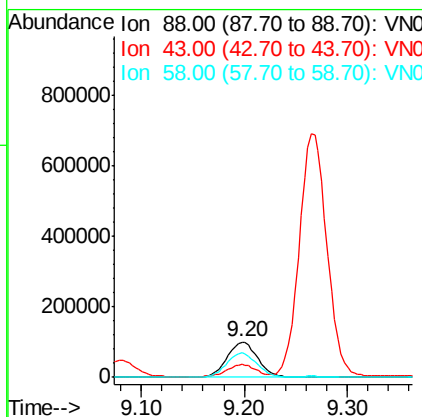
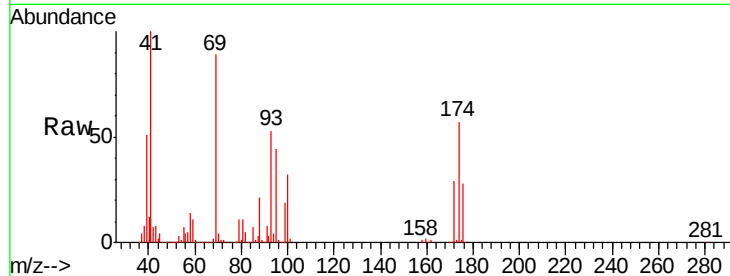
#49
1,4-Dioxane
Concen: 1905.003 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.6	40.0
58	68.3	58.4	87.6

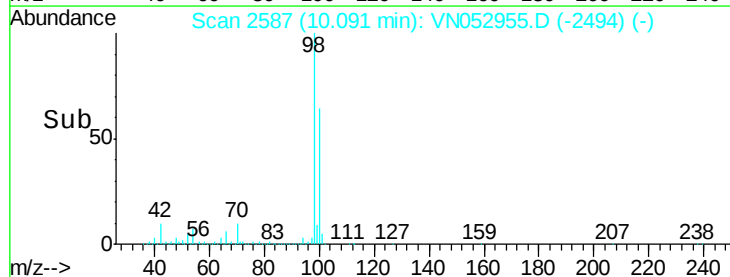
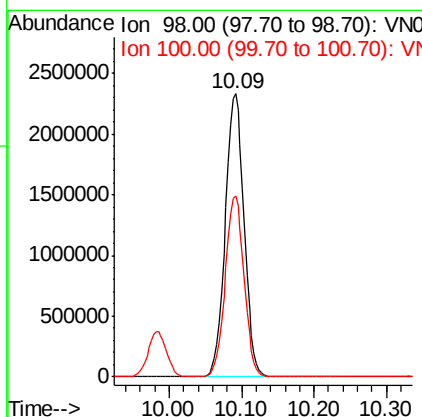
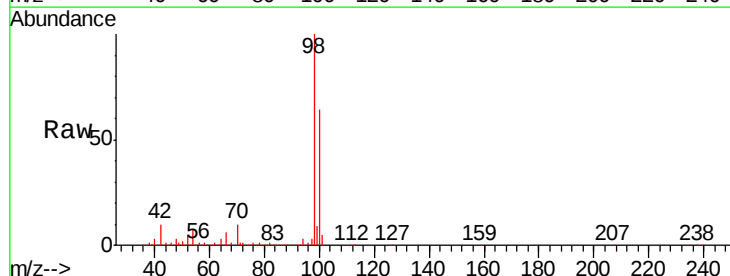
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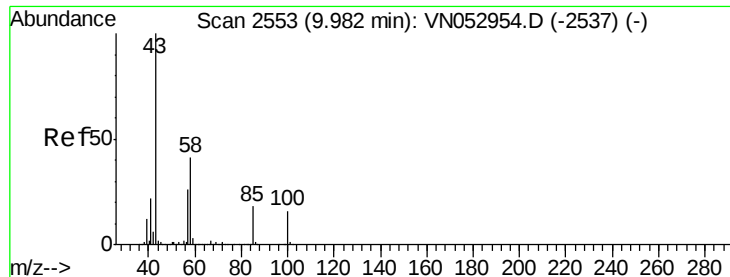
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#50
Toluene-d8
Concen: 1905.003 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





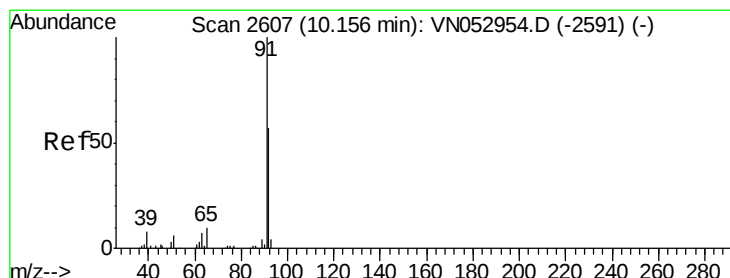
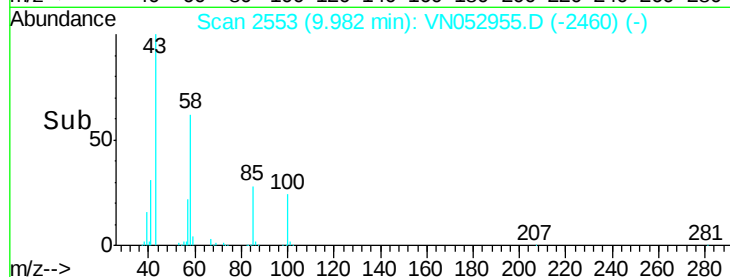
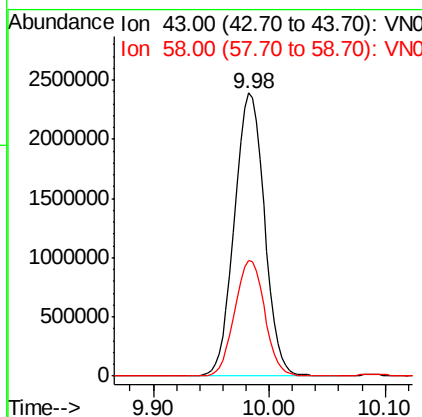
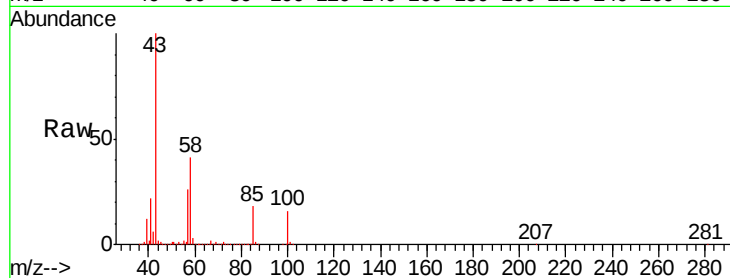
#51
 4-Methyl-2-Pentanone
 Concen: 505.409 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 4292710
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.2 48.4

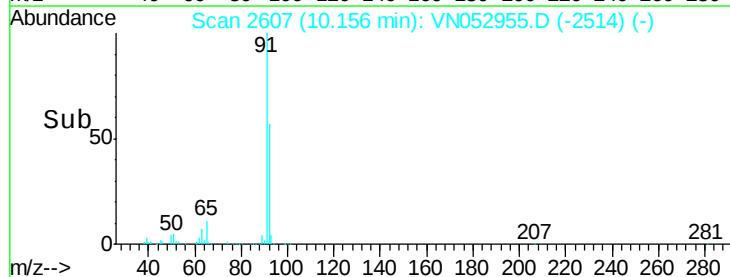
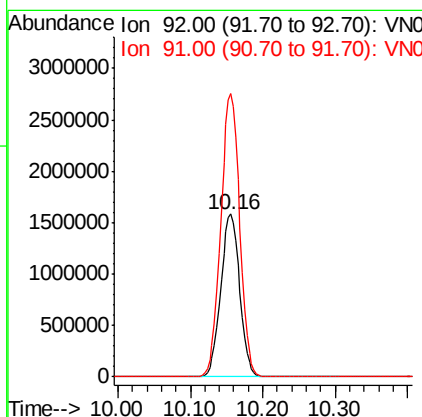
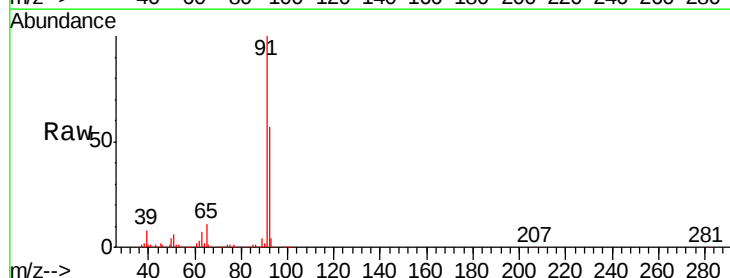
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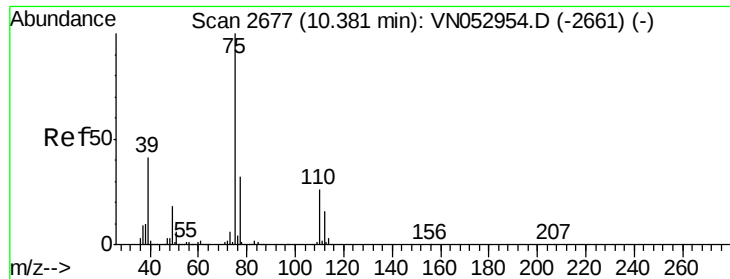
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#52
 Toluene
 Concen: 97.208 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion: 92 Resp: 2847550
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.8 209.6





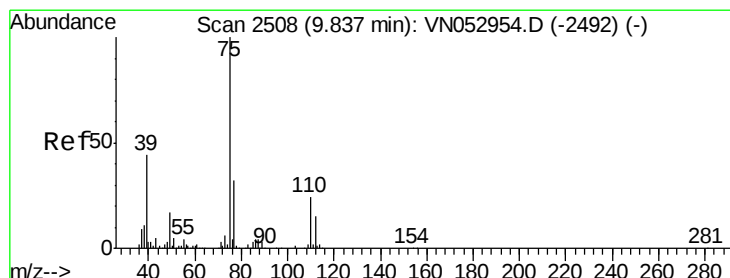
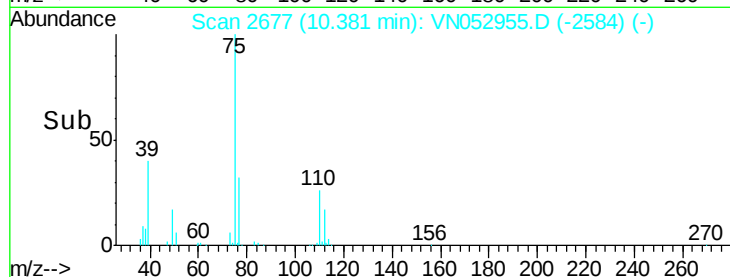
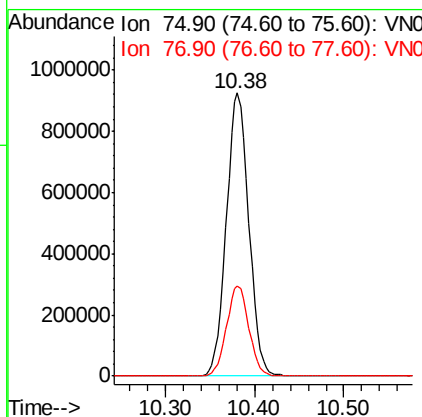
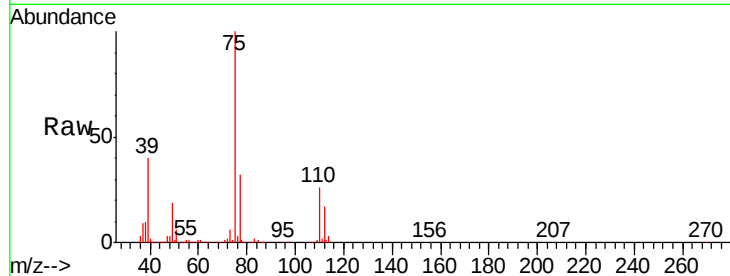
#53
t-1,3-Dichloropropene
Concen: 102.540 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 1611711
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4

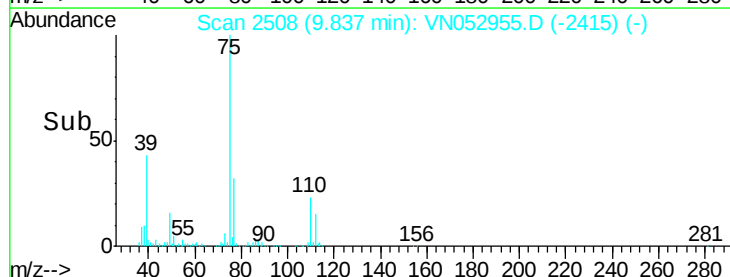
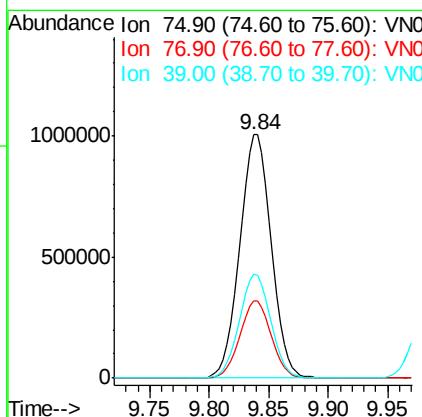
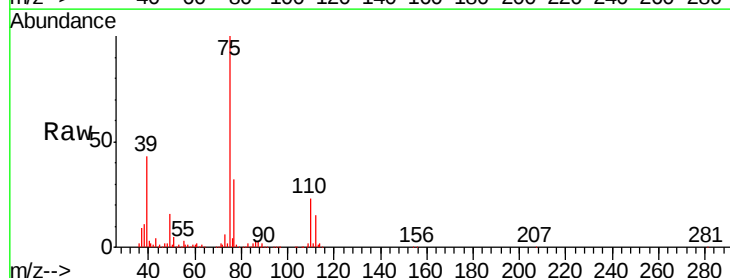
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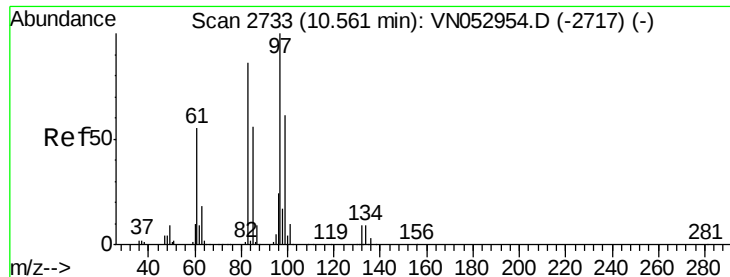
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#54
cis-1,3-Dichloropropene
Concen: 101.589 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 75 Resp: 1840483
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 42.7 34.8 52.2





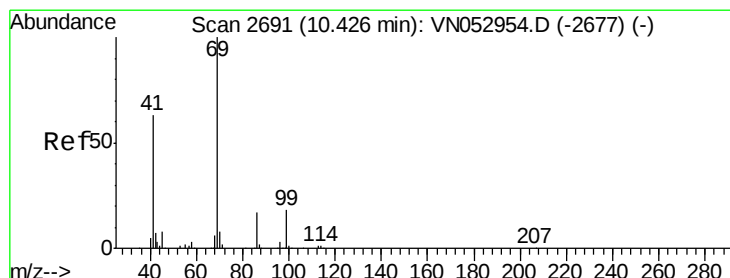
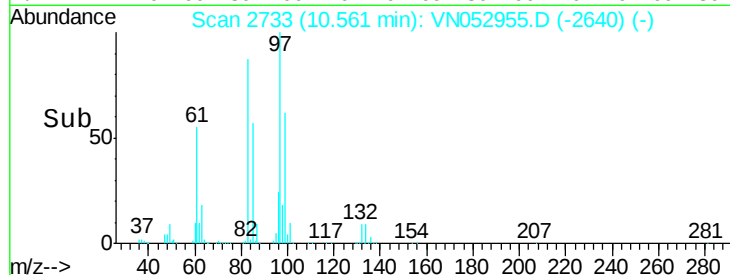
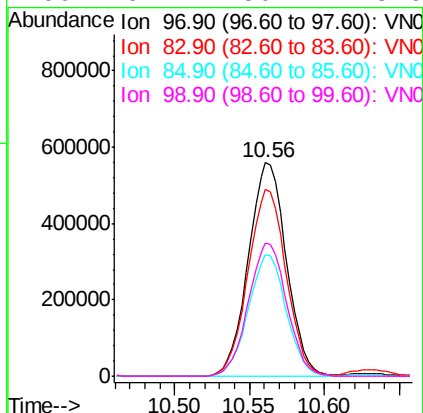
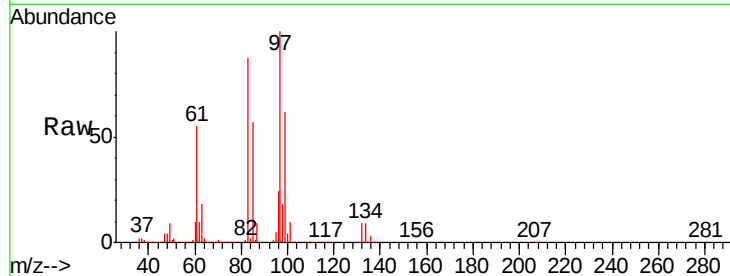
#55
 1,1,2-Trichloroethane
 Concen: 96.812 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.9	106.3
85	56.8	45.4	68.2
99	62.1	50.4	75.6

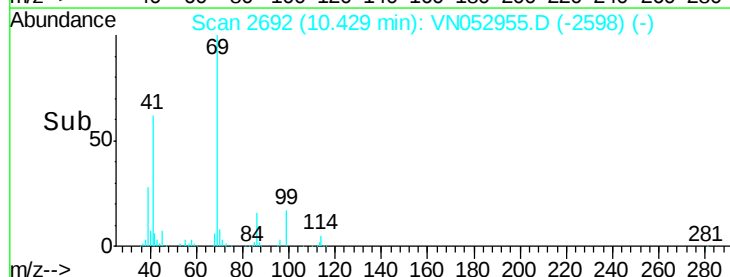
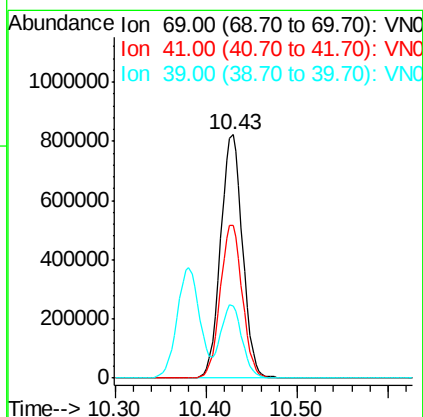
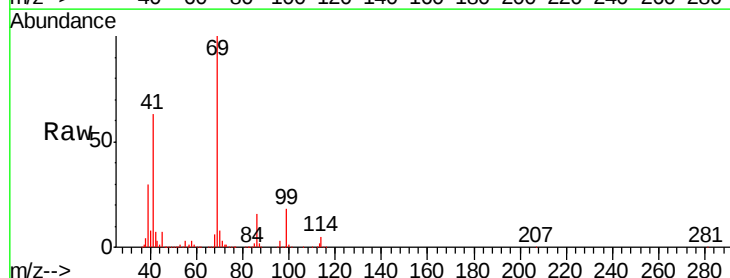
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#56
 Ethyl methacrylate
 Concen: 104.159 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.7	77.5
39	29.4	24.6	37.0





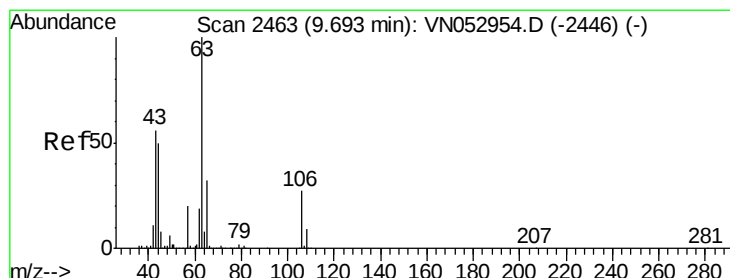
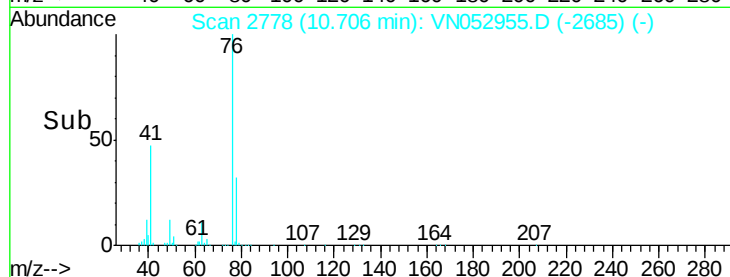
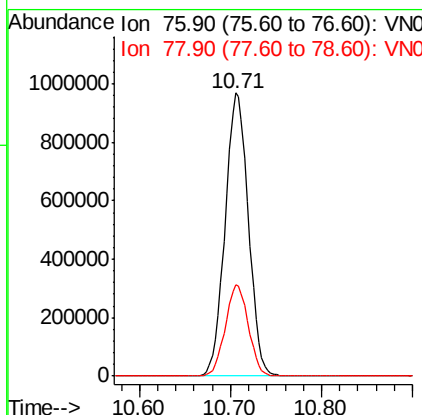
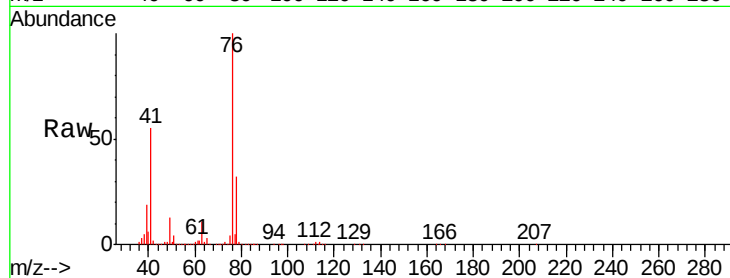
#57
 1,3-Dichloropropane
 Concen: 98.521 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 1721141
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

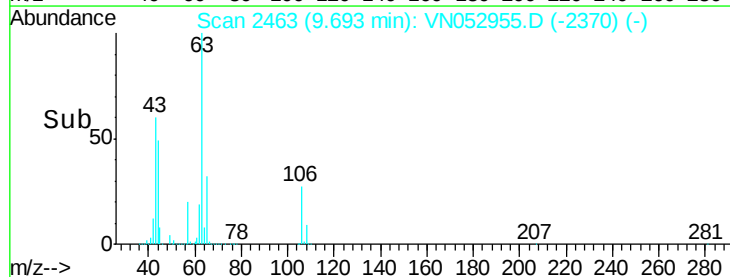
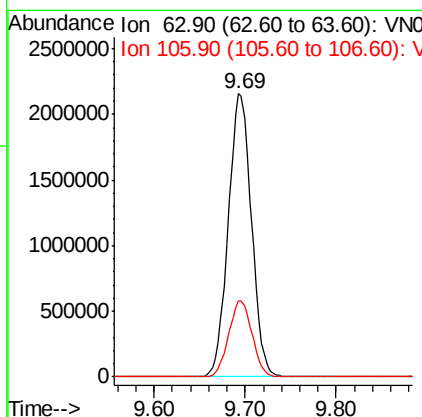
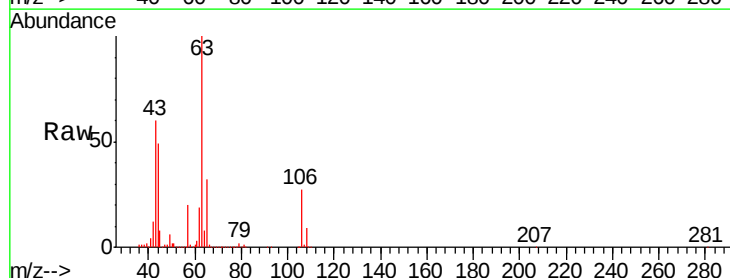
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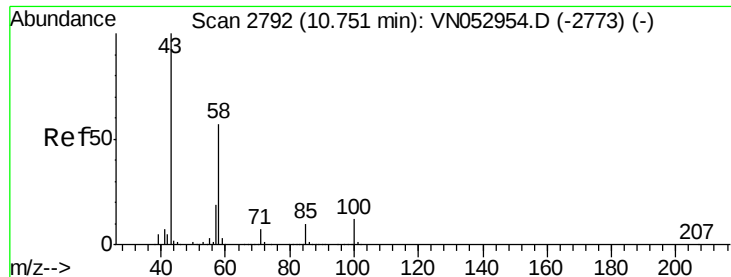
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#58
 2-Chloroethyl Vinyl ether
 Concen: 529.115 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion: 63 Resp: 3816887
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.0 31.6





#59

2-Hexanone

Concen: 506.077 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2907492

Ion Ratio Lower Upper

43 100

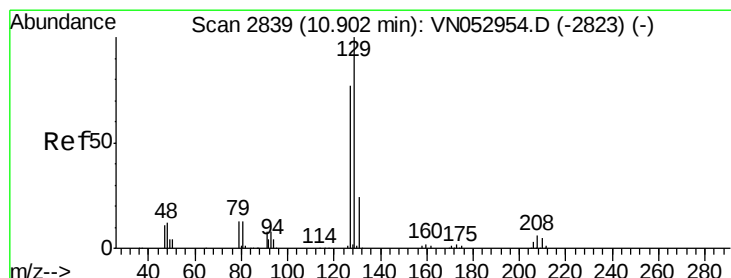
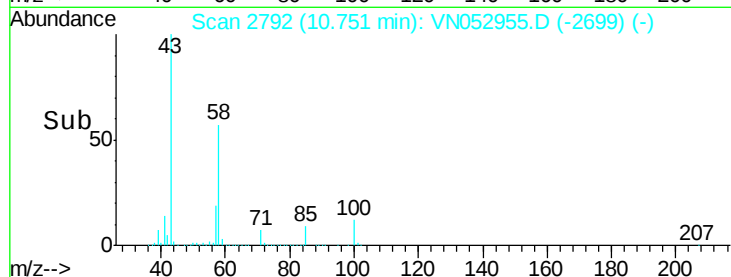
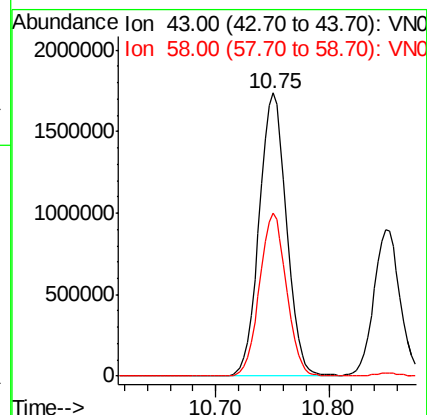
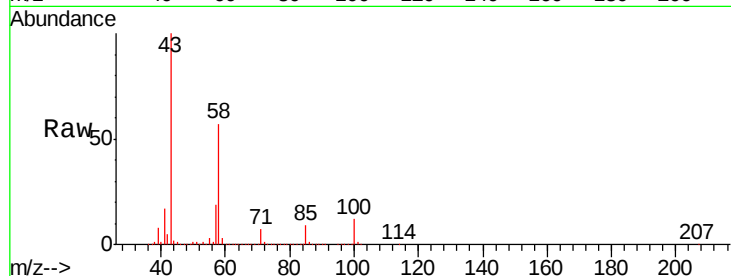
58 57.0 28.1 84.3

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#60

Dibromochloromethane

Concen: 99.238 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052955.D

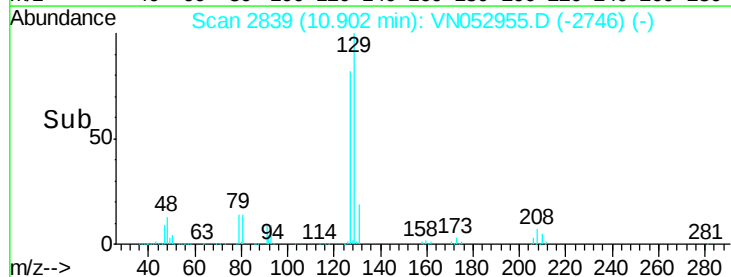
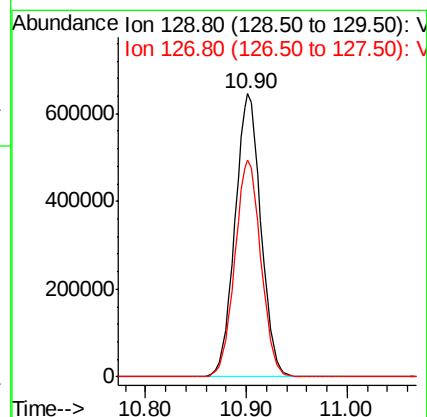
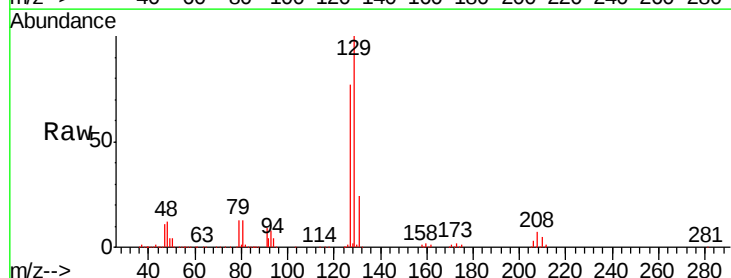
Acq: 18 Dec 2018 12:15

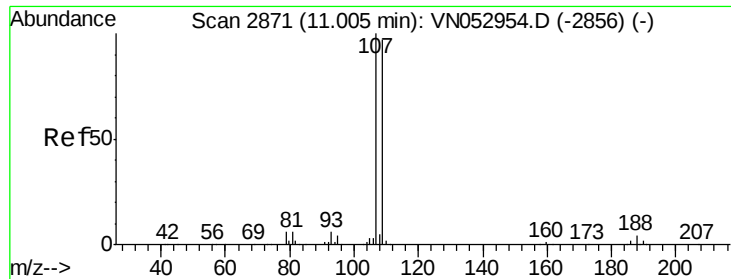
Tgt Ion: 129 Resp: 1151684

Ion Ratio Lower Upper

129 100

127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 99.775 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 1025756

Ion Ratio Lower Upper

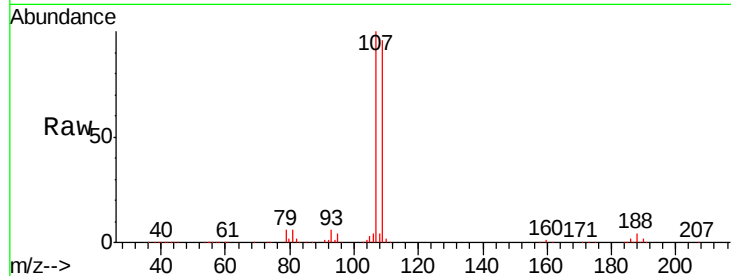
107 100

109 95.2 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

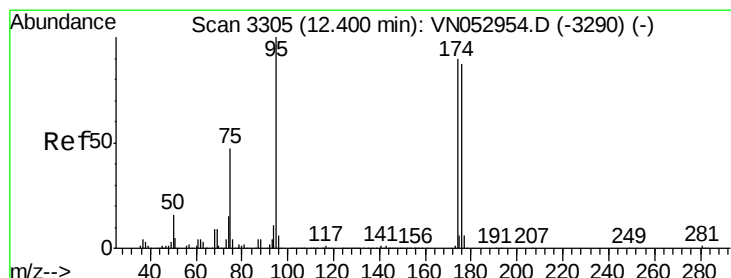
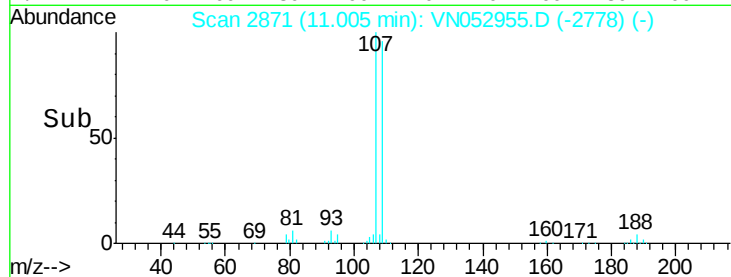
600000

400000

200000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 99.775 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

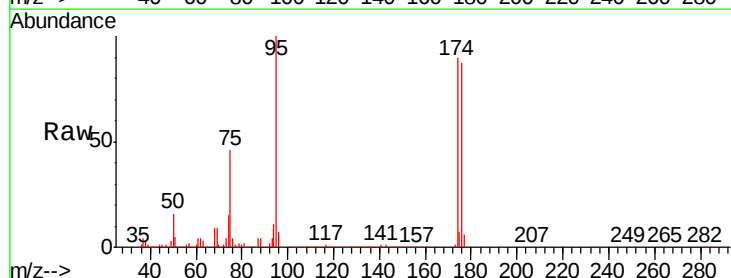
Tgt Ion: 95 Resp: 1465504

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

1200000

1000000

800000

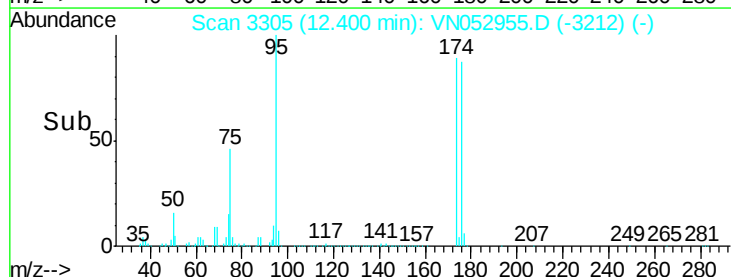
600000

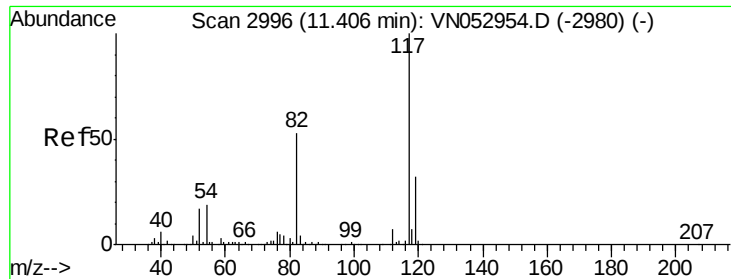
400000

200000

0

Time--> 12.30 12.35 12.40 12.45





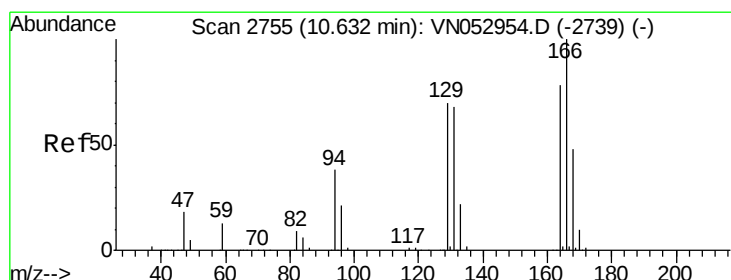
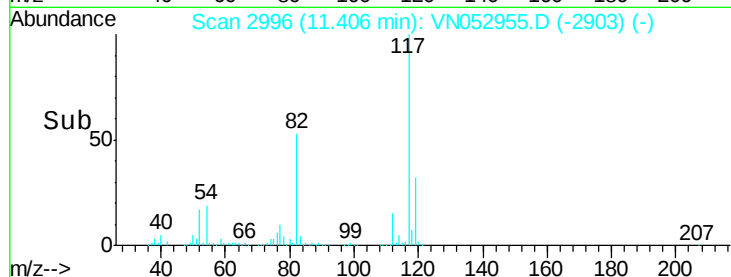
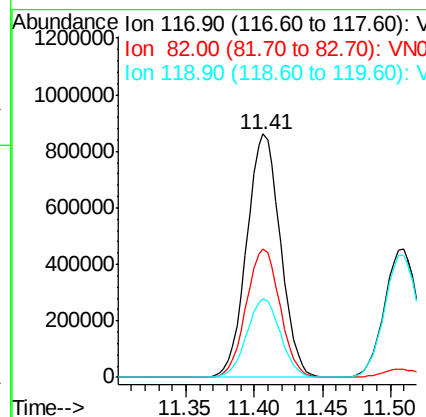
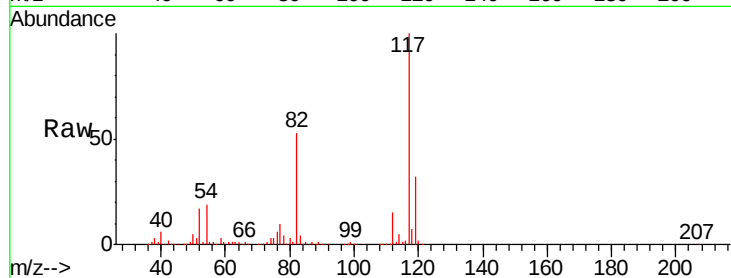
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1477328
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.1 25.5 38.3

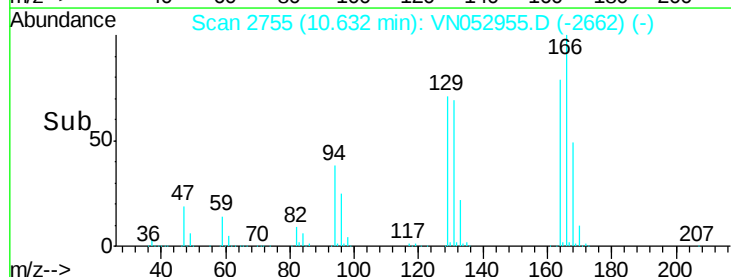
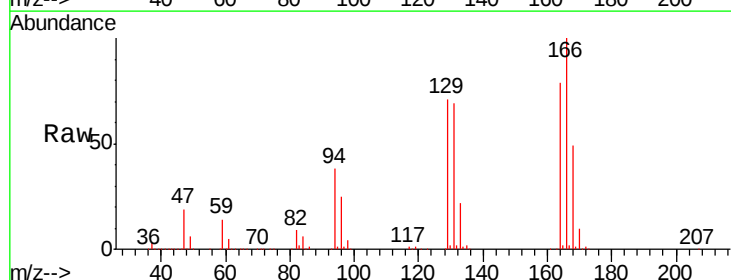
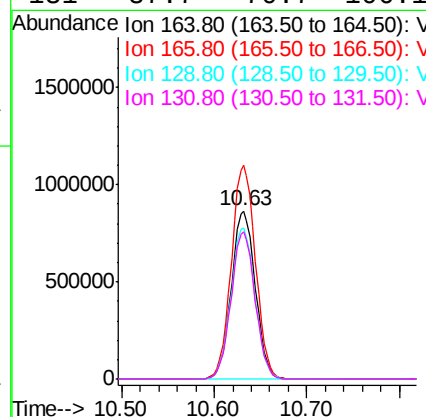
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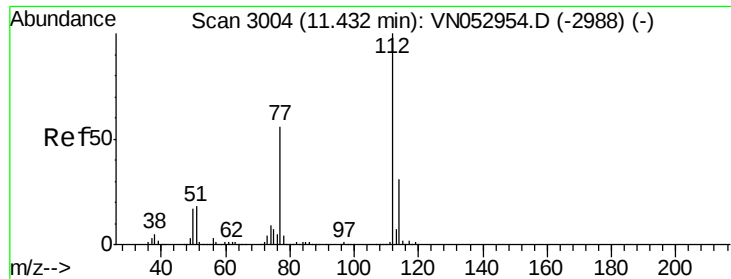
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#64
Tetrachloroethene
Concen: 94.457 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion:164 Resp: 1545045
Ion Ratio Lower Upper
164 100
166 127.3 102.9 154.3
129 90.4 73.7 110.5
131 87.7 70.7 106.1





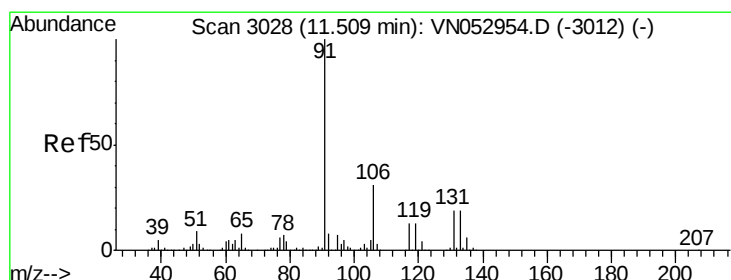
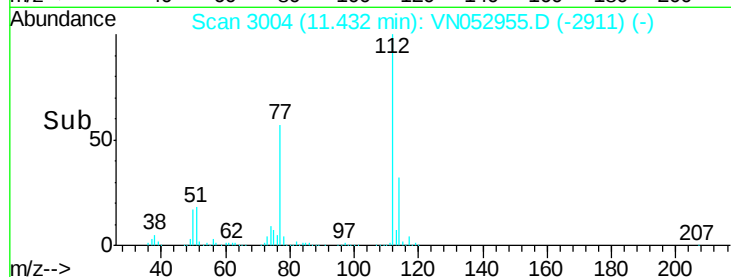
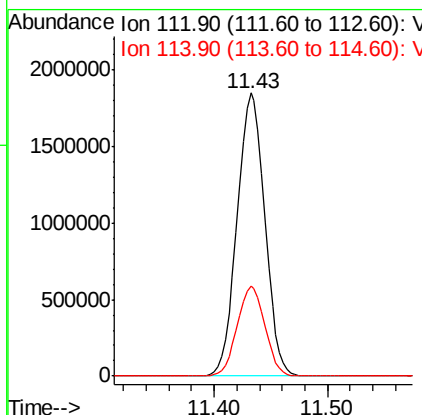
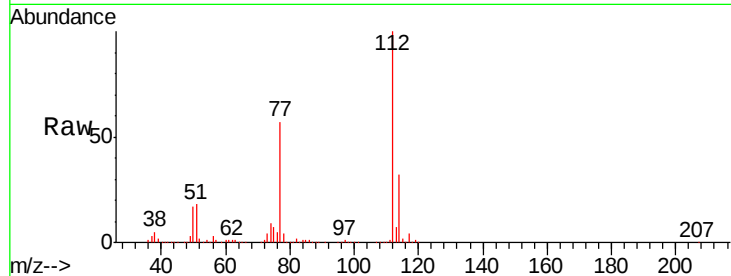
#65
Chlorobenzene
Concen: 94.662 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 3156823
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

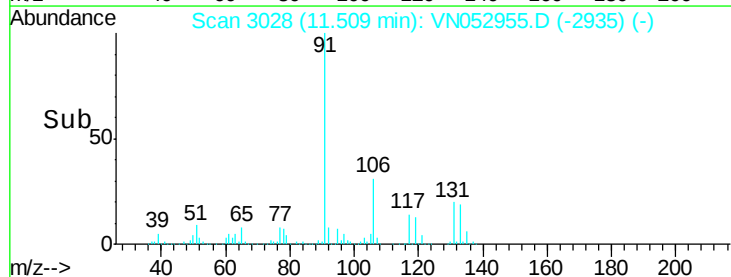
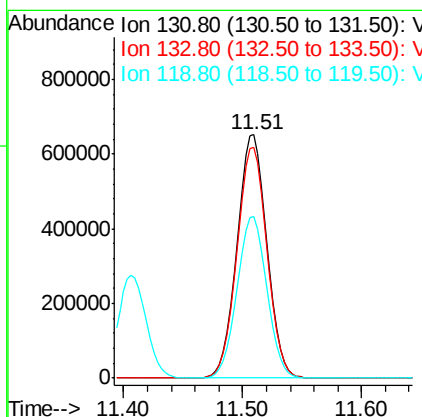
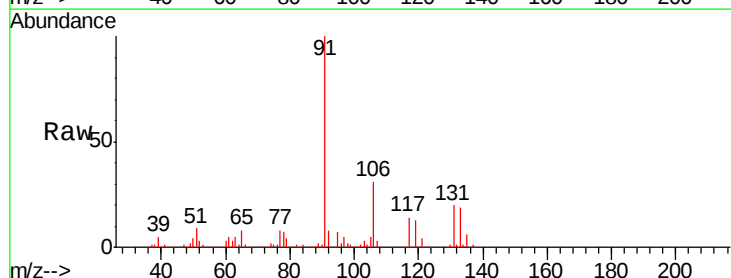
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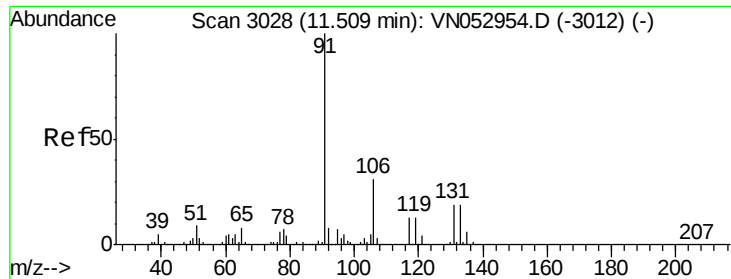
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.647 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion:131 Resp: 1128675
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.7 33.3 99.8





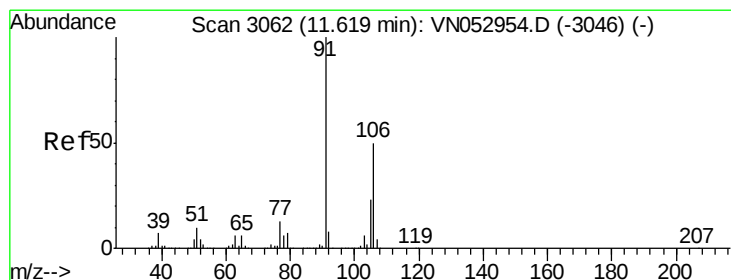
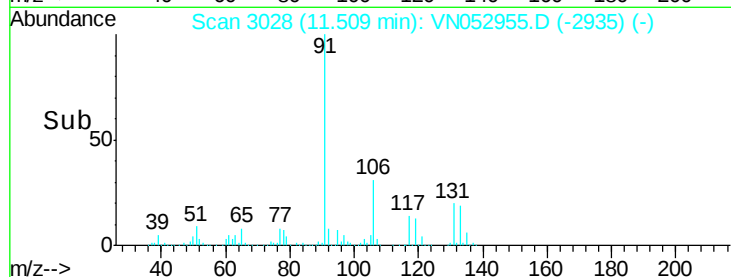
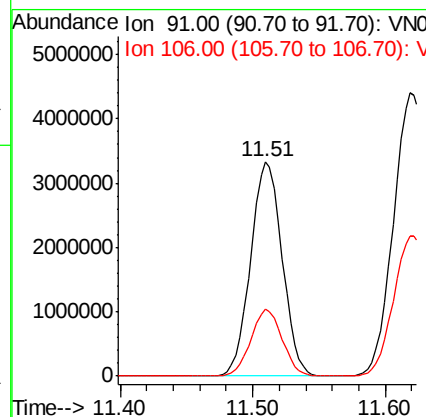
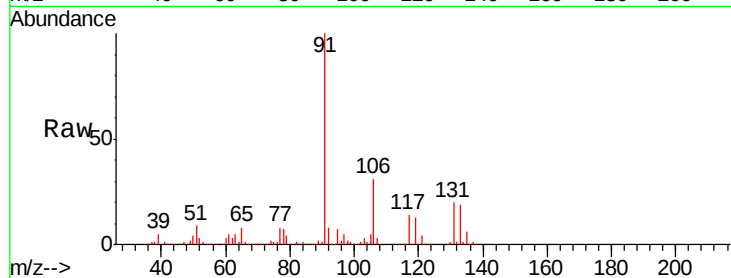
#67
Ethyl Benzene
Concen: 96.466 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 5501775
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

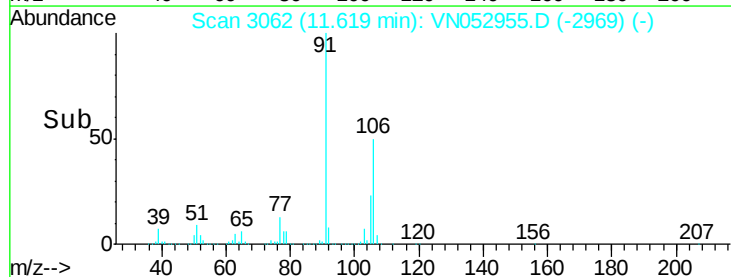
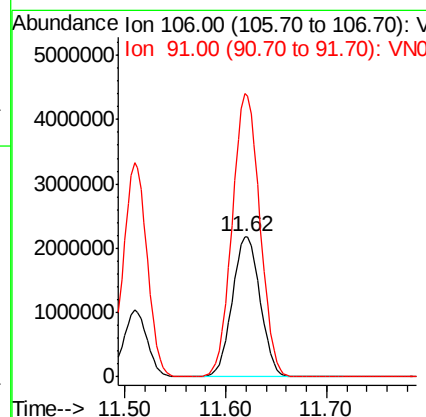
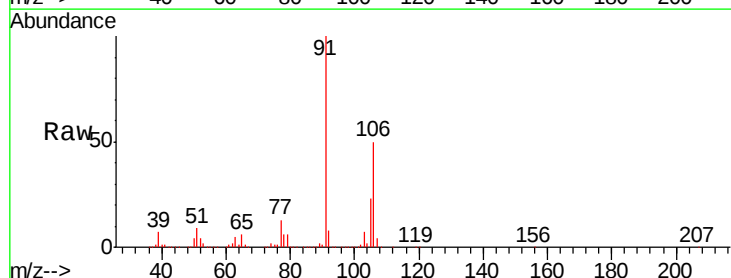
Manual Integrations
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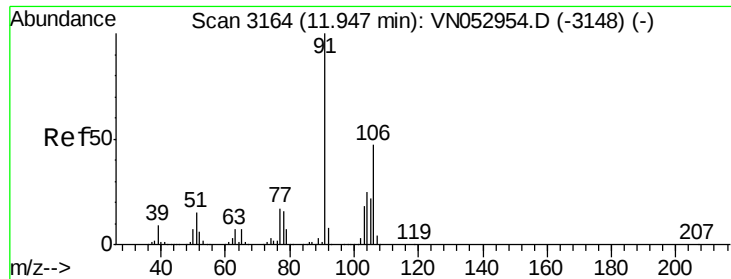
MMDadoda
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#68
m/p-Xylenes
Concen: 193.482 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion: 106 Resp: 4195236
Ion Ratio Lower Upper
106 100
91 200.5 162.2 243.4





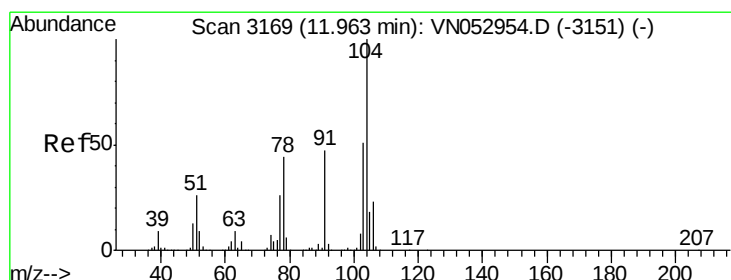
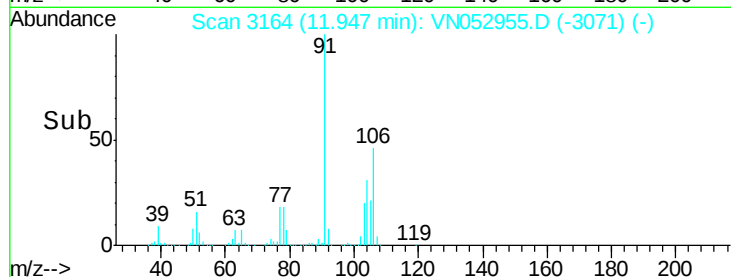
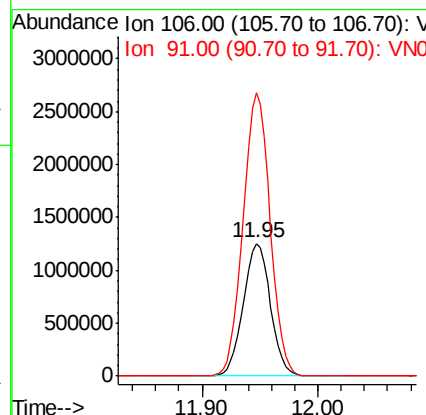
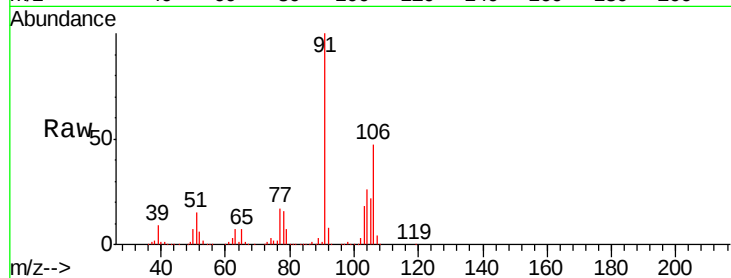
#69
o-Xylene
Concen: 97.914 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2030142
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8

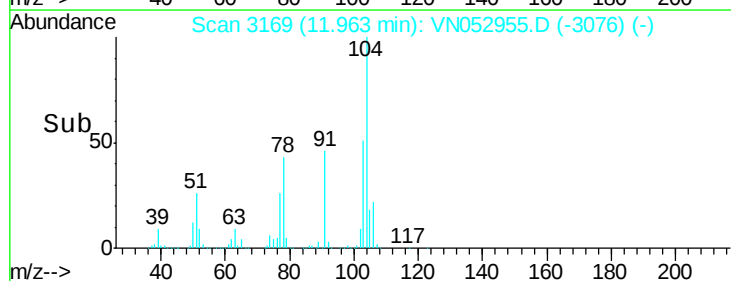
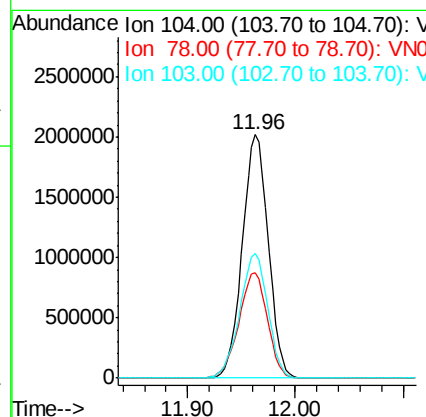
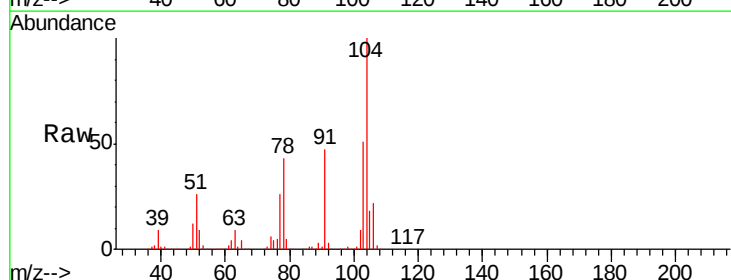
Manual Integrations
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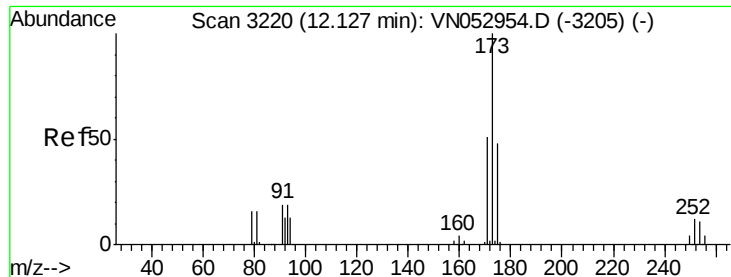
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#70
Styrene
Concen: 101.393 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion:104 Resp: 3389043
Ion Ratio Lower Upper
104 100
78 47.7 38.9 58.3
103 55.4 44.3 66.5





#71

Bromoform

Concen: 100.983 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 828585

Ion Ratio Lower Upper

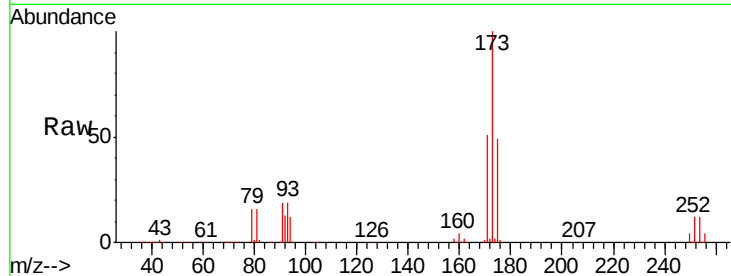
173 100

175 48.0 24.3 72.9

254 0.1 0.1 0.1#

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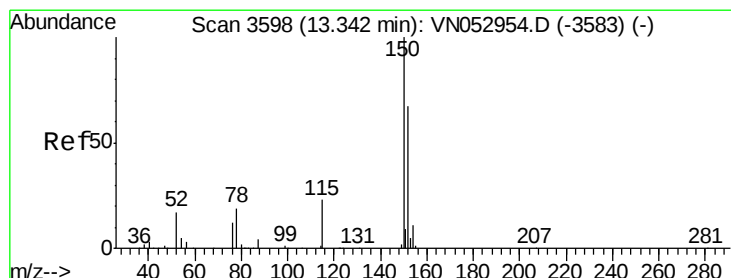
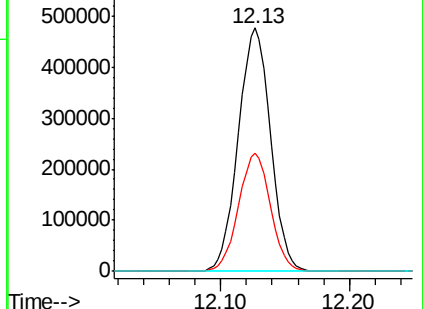
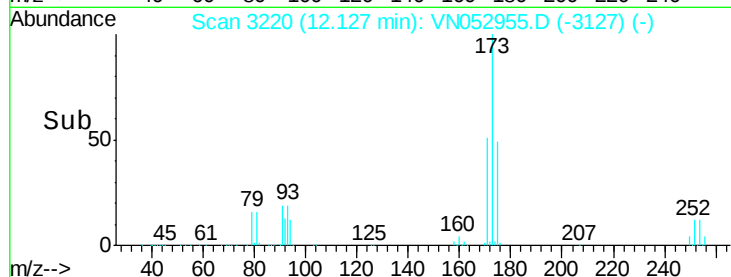
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

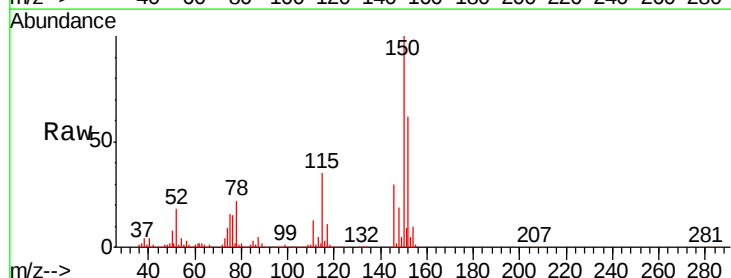
Tgt Ion:152 Resp: 728382

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

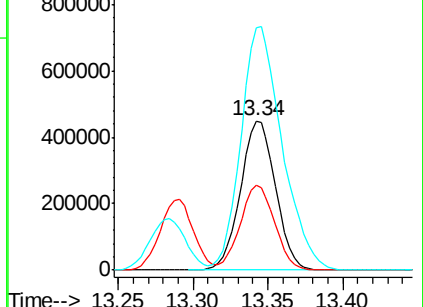
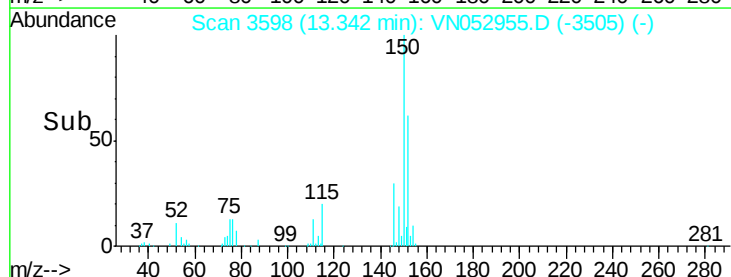
150 192.0 0.0 347.8

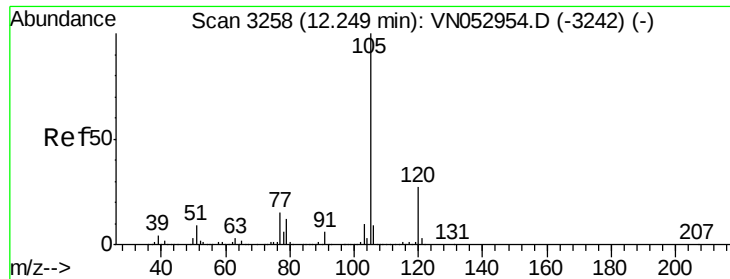


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 91.442 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 5378096

Ion Ratio Lower Upper

105 100

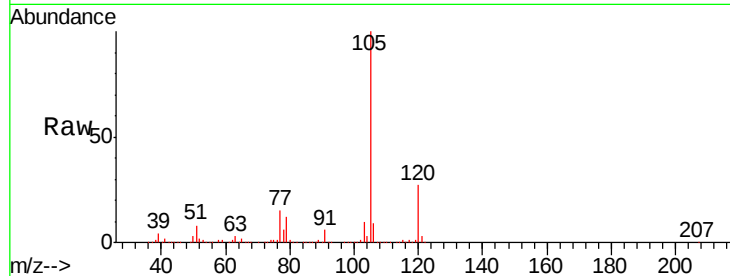
120 27.1 13.3 39.9

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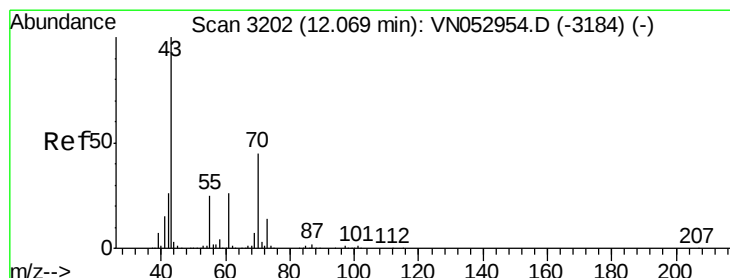
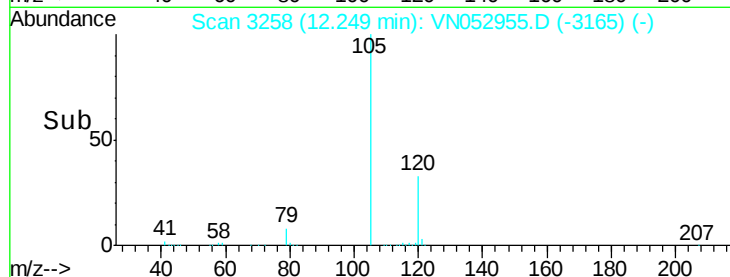
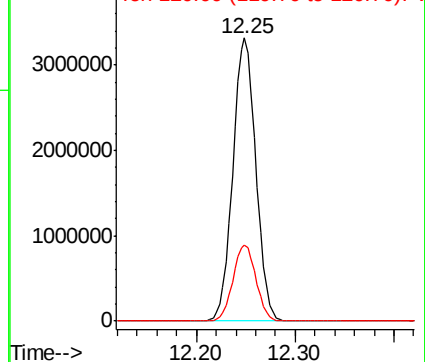
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 97.903 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Tgt Ion: 43 Resp: 1561864

Ion Ratio Lower Upper

43 100

70 44.5 34.2 51.4

55 24.5 20.3 30.5

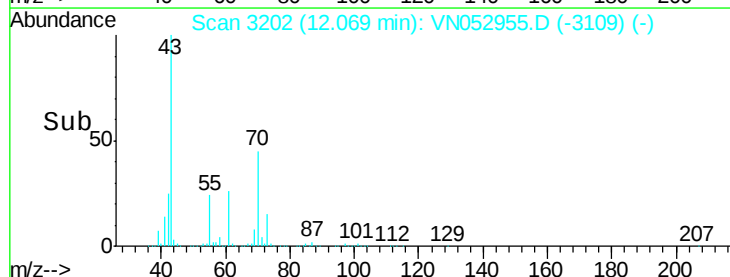
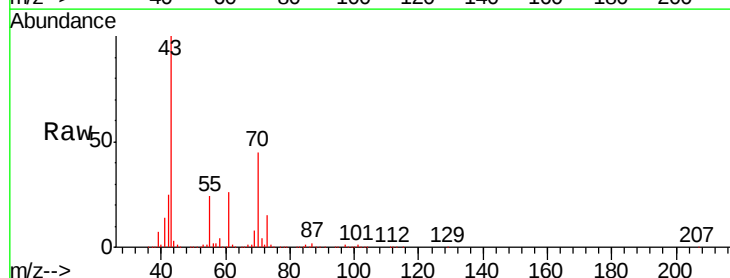
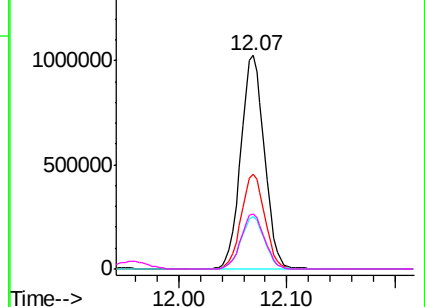
61 25.9 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 87.876 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1023776

Ion Ratio Lower Upper

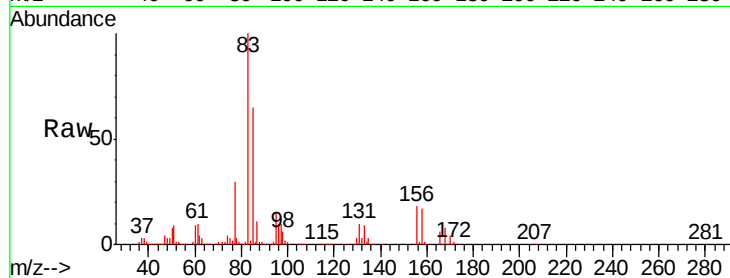
83 100

131 10.6 5.2 15.6

85 64.9 32.4 97.0

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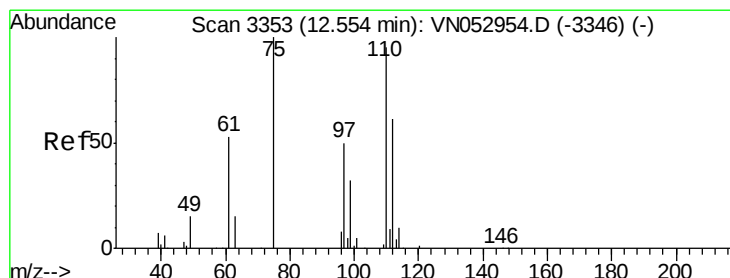
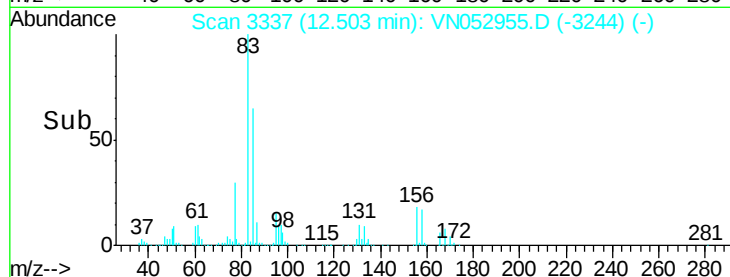
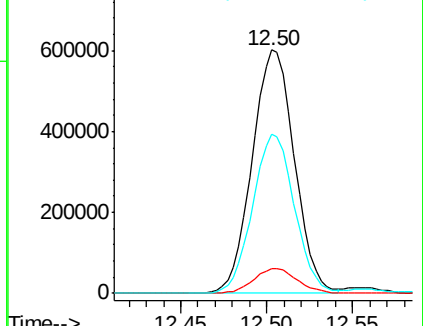
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 97.774 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052955.D

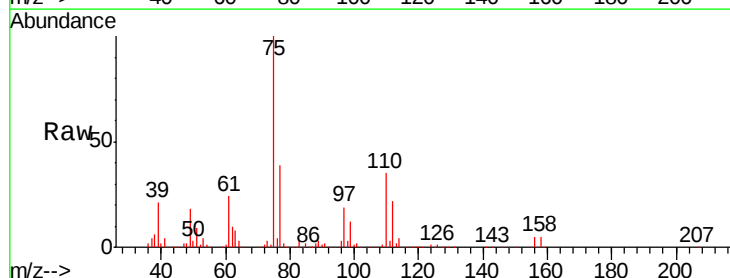
Acq: 18 Dec 2018 12:15

Tgt Ion: 75 Resp: 1206551

Ion Ratio Lower Upper

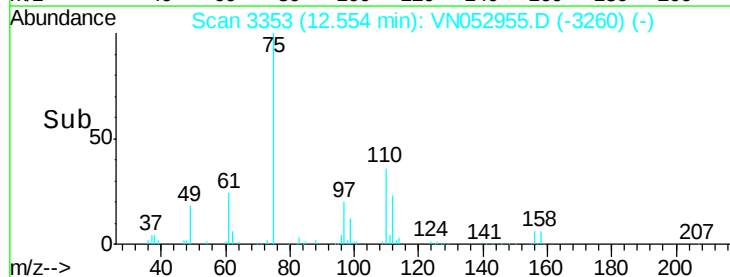
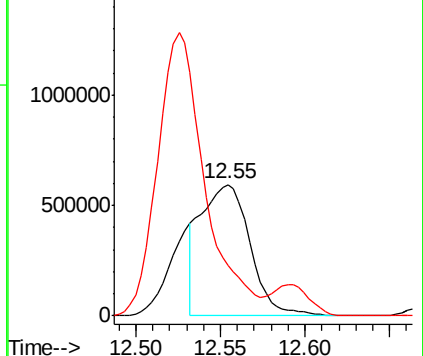
75 100

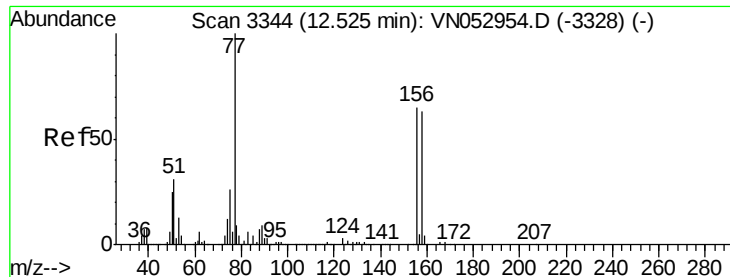
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 91.392 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 1397421

Ion Ratio Lower Upper

156 100

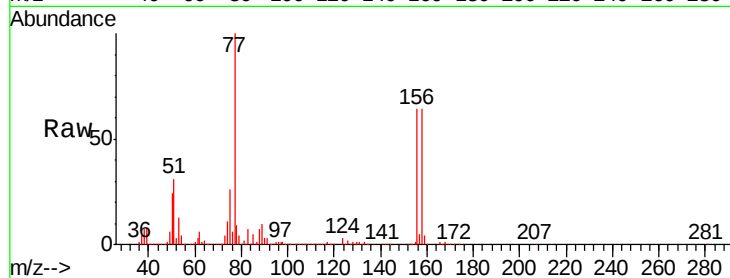
77 178.5 91.3 273.8

158 98.3 49.0 147.2

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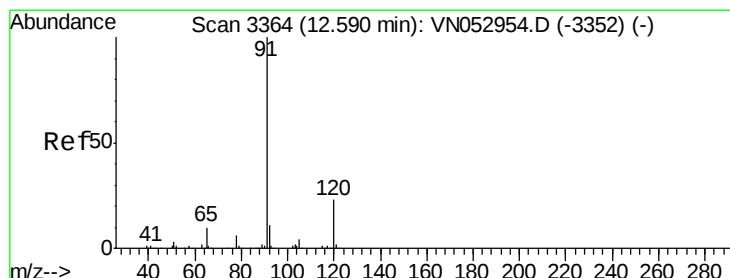
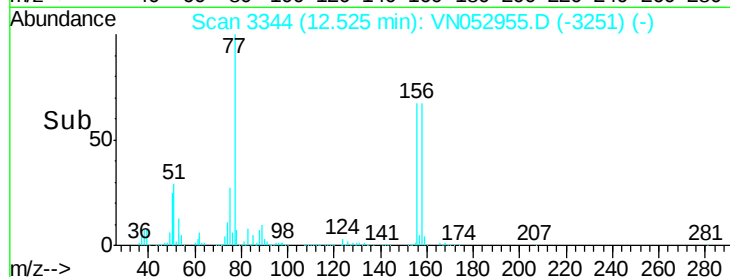
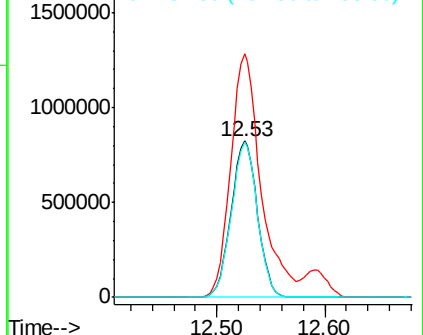
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.028 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052955.D

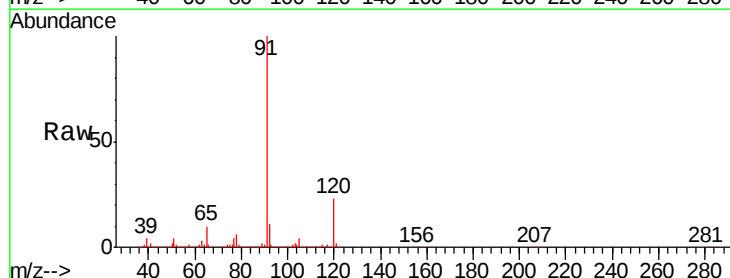
Acq: 18 Dec 2018 12:15

Tgt Ion: 91 Resp: 6193939

Ion Ratio Lower Upper

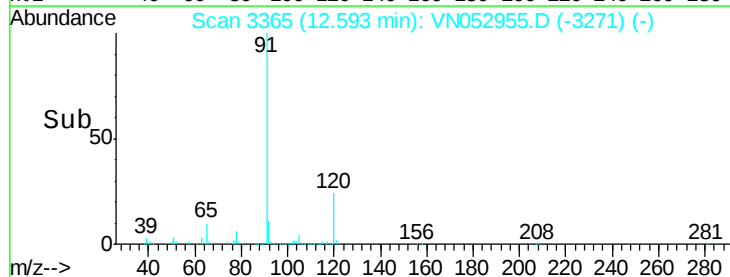
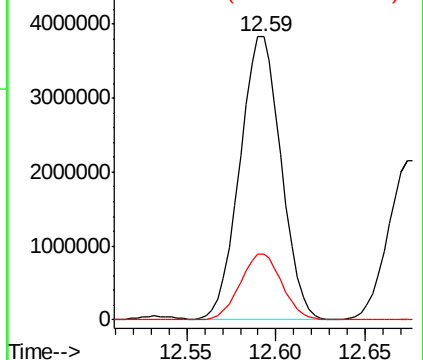
91 100

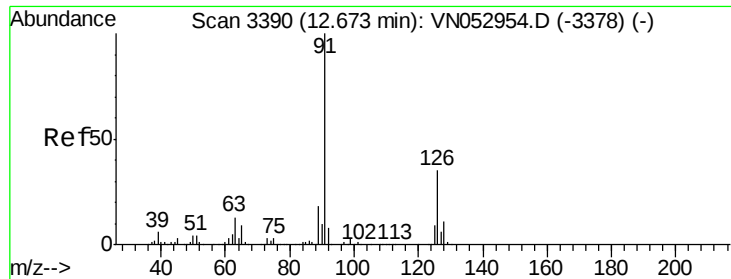
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 84.846 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 3602880

Ion Ratio Lower Upper

91 100

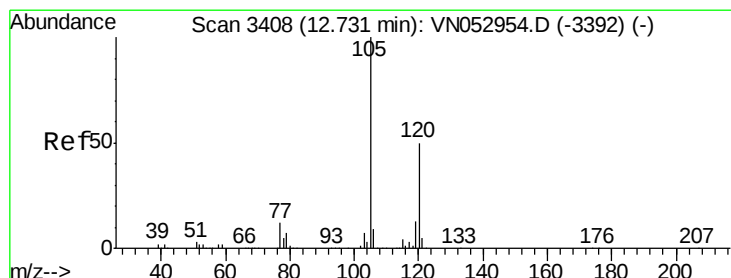
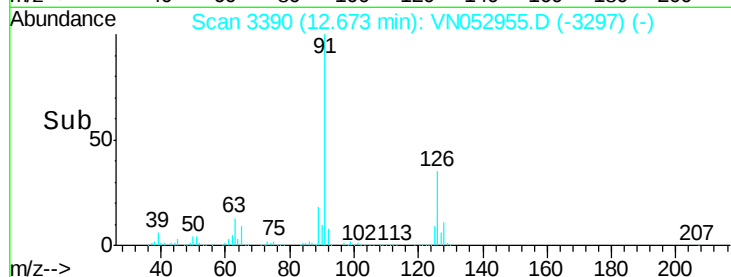
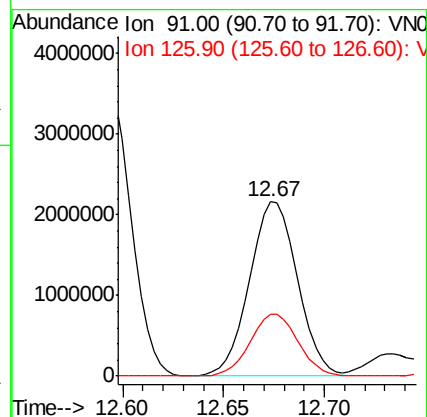
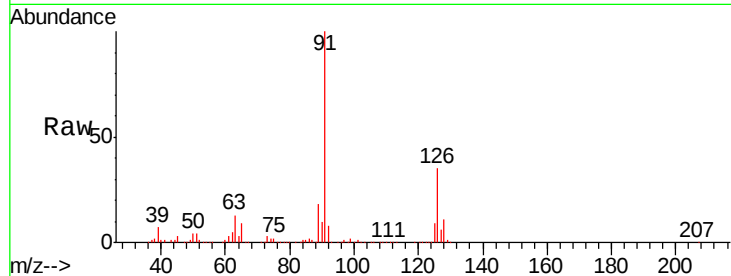
126 35.5 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 91.941 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052955.D

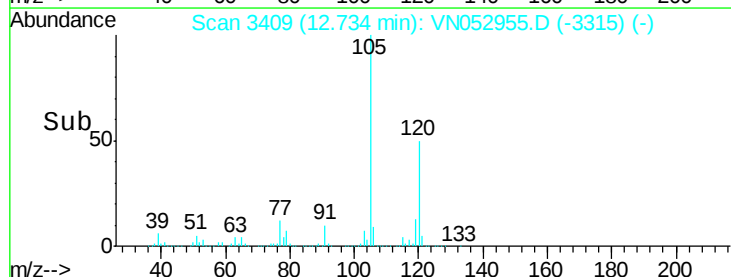
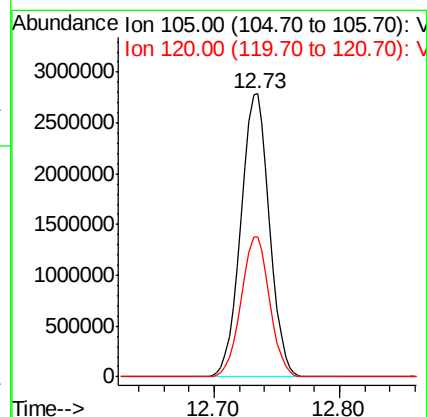
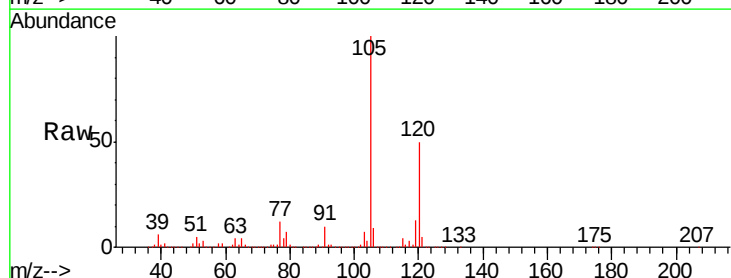
Acq: 18 Dec 2018 12:15

Tgt Ion: 105 Resp: 4396684

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 105.784 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 393367
Ion Ratio Lower Upper

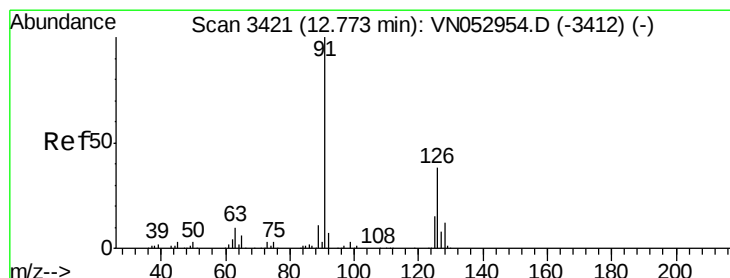
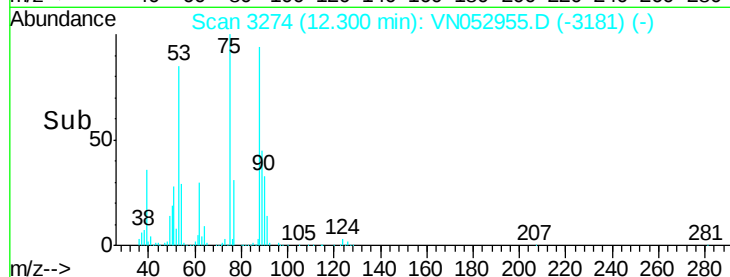
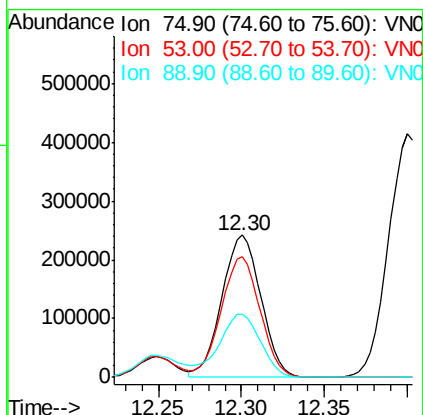
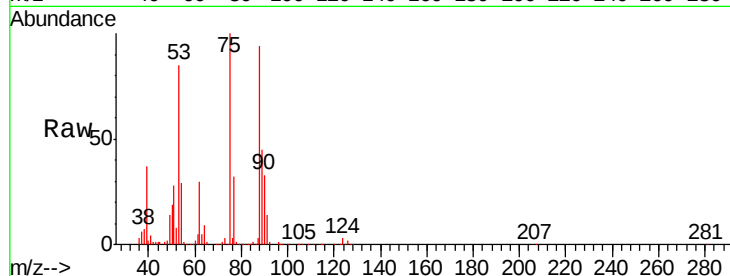
75 100

53 84.8 74.7 112.1

89 47.3 36.1 54.1

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#82

4-Chlorotoluene

Concen: 92.412 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

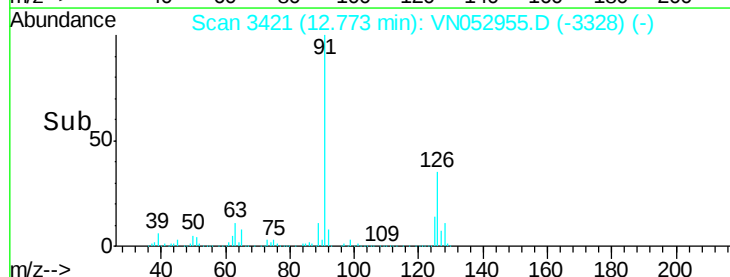
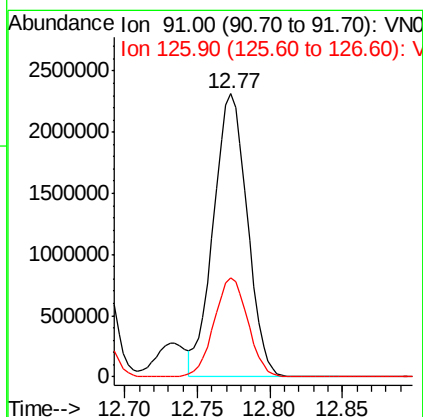
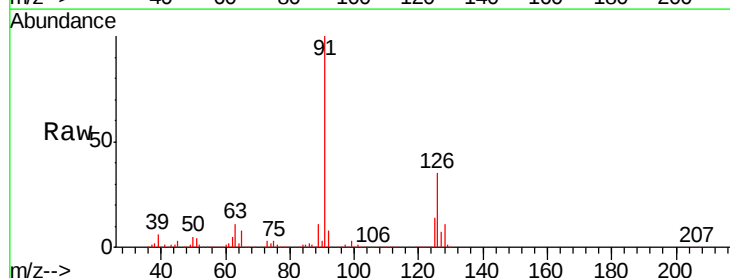
Lab File: VN052955.D

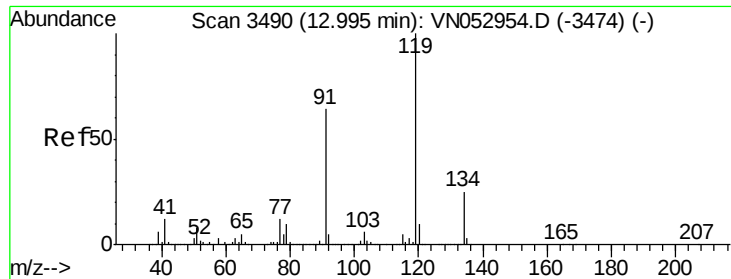
Acq: 18 Dec 2018 12:15

Tgt Ion: 91 Resp: 3733803
Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7





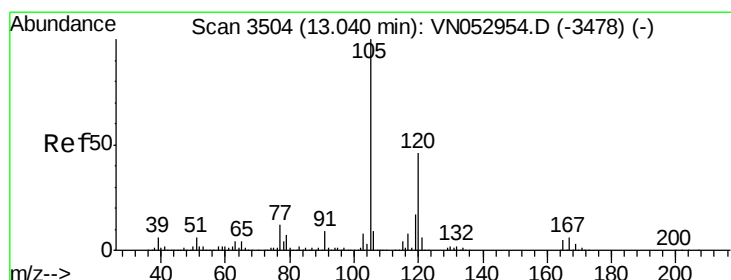
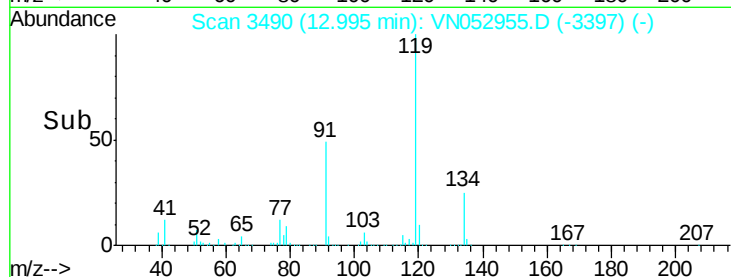
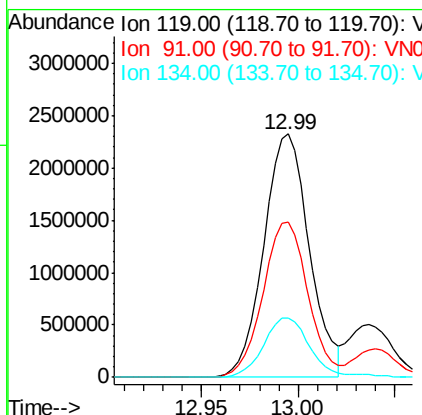
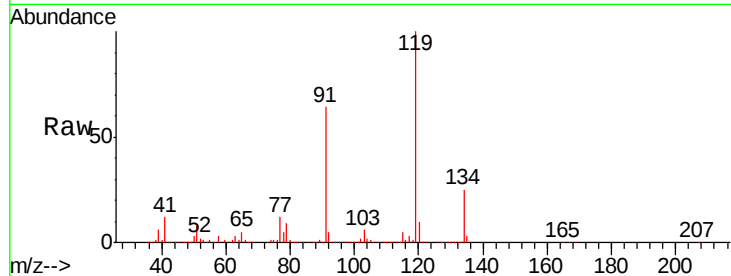
#83
 tert-Butylbenzene
 Concen: 89.527 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 3818986
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.9 95.5
 134 25.3 12.8 38.4

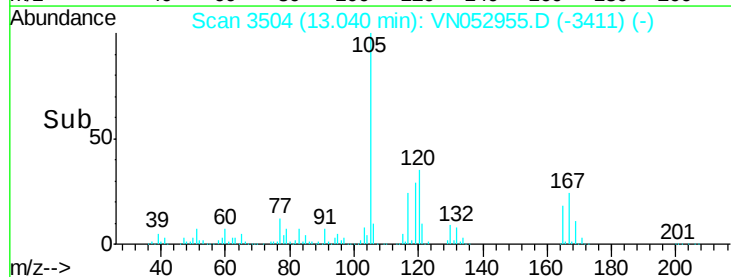
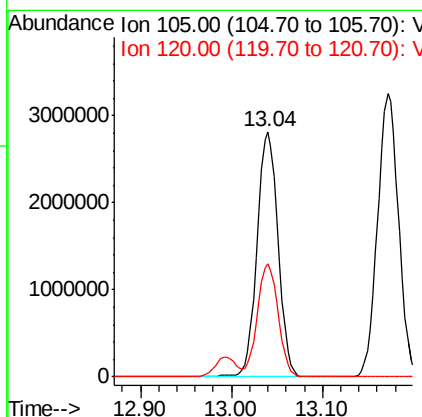
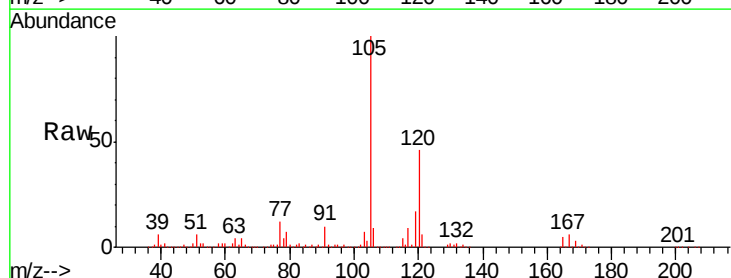
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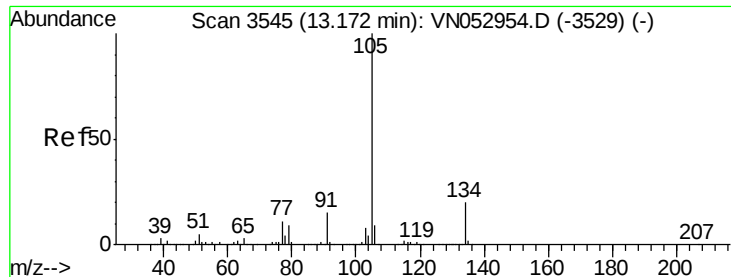
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#84
 1,2,4-Trimethylbenzene
 Concen: 94.628 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion:105 Resp: 4505578
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8





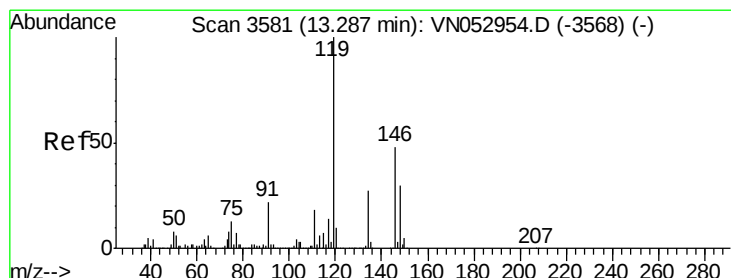
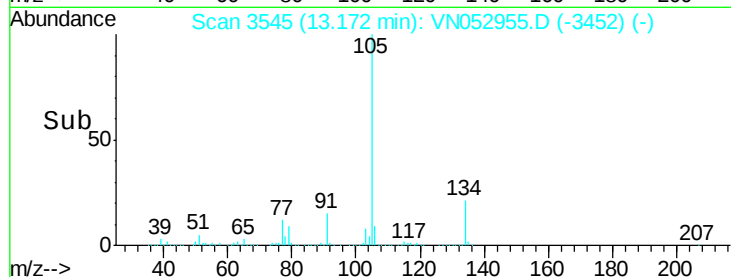
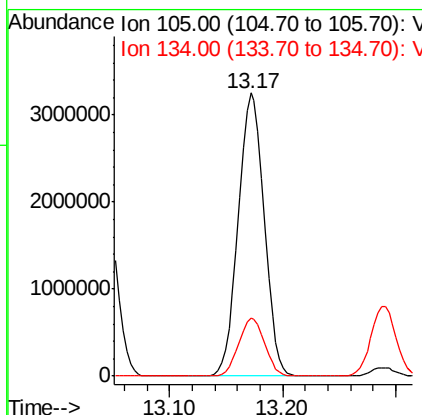
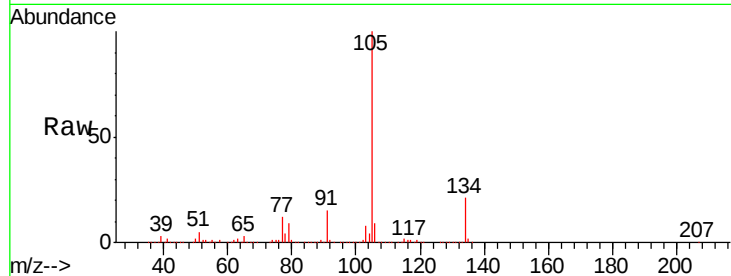
#85
 sec-Butylbenzene
 Concen: 90.392 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 5194945
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3

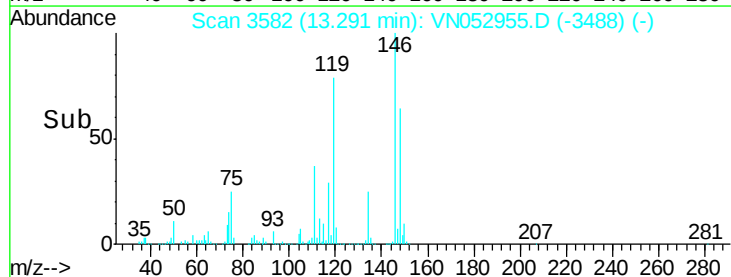
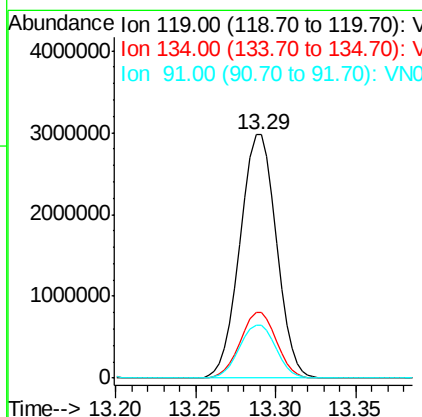
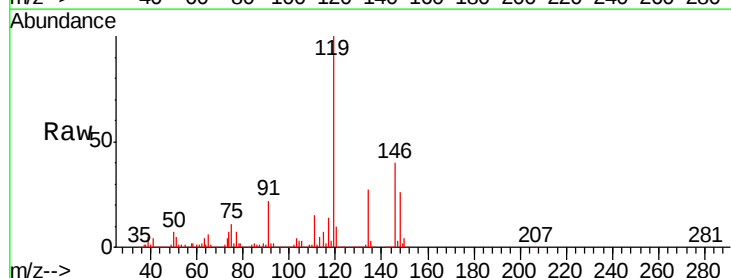
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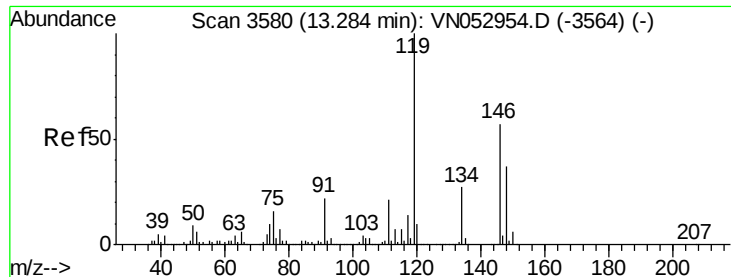
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#86
 p-Isopropyltoluene
 Concen: 94.236 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion:119 Resp: 4610624
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.0 11.1 33.3





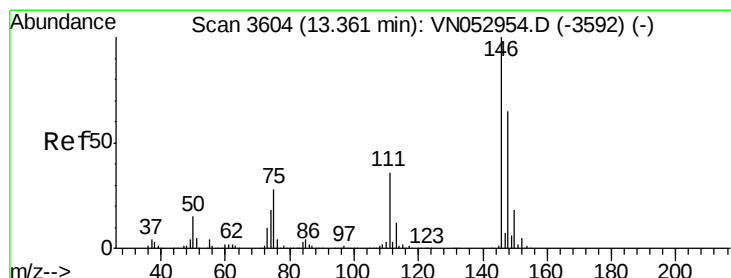
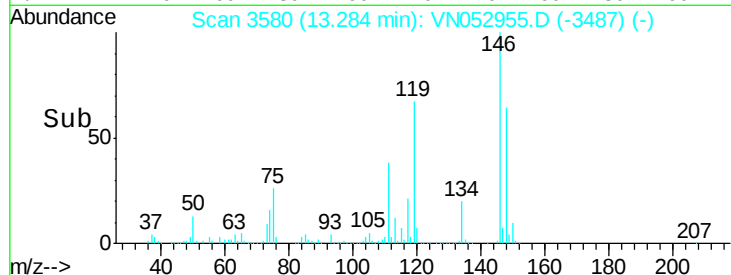
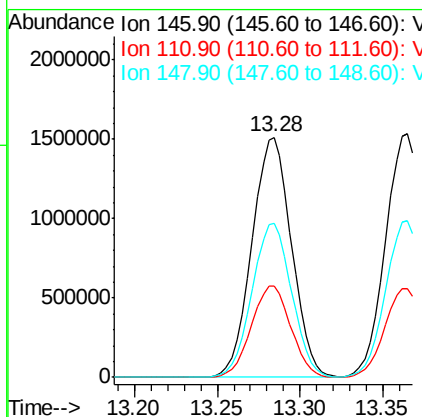
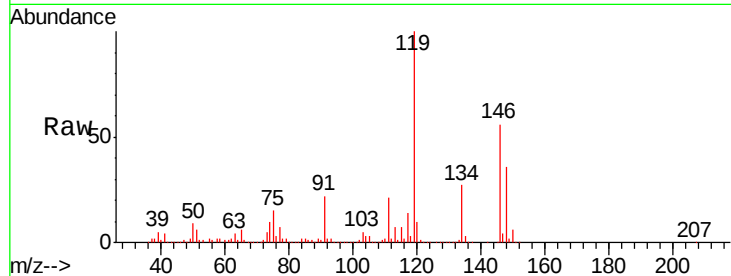
#87
 1,3-Dichlorobenzene
 Concen: 93.425 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 2505908
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.2 32.0 96.0

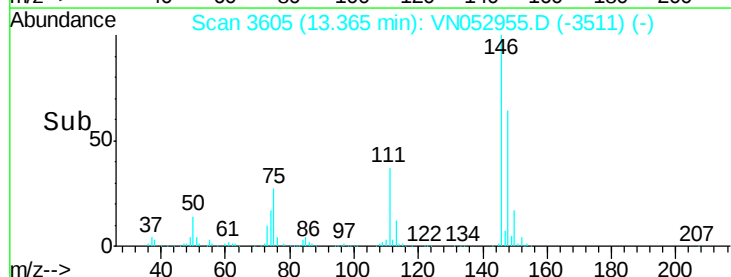
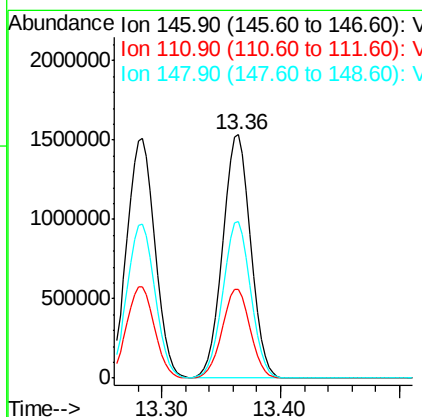
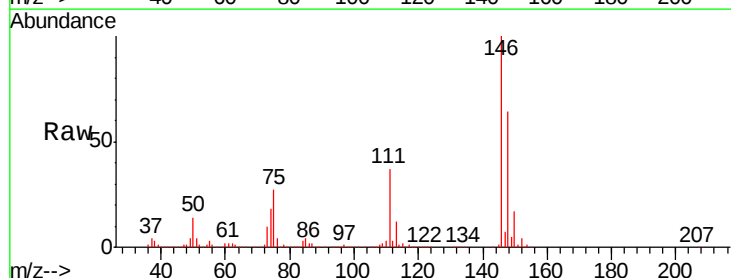
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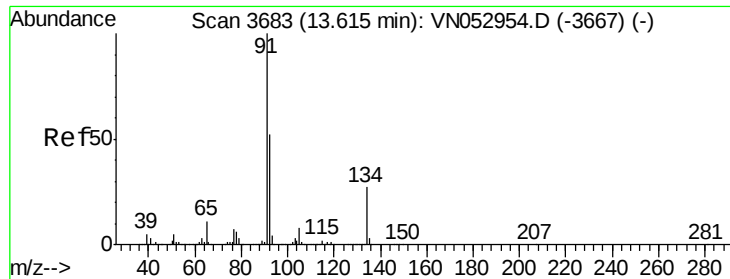
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#88
 1,4-Dichlorobenzene
 Concen: 90.918 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion:146 Resp: 2491894
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 94.253 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052955.D

Acq: 18 Dec 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 3964354

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.9

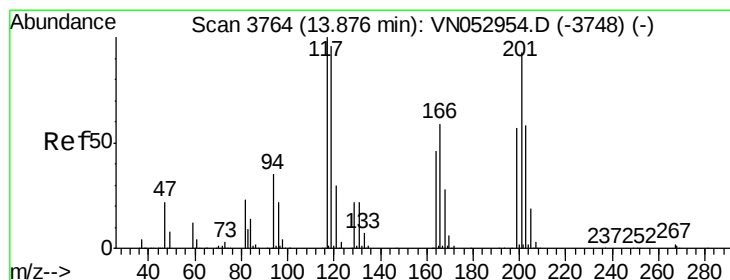
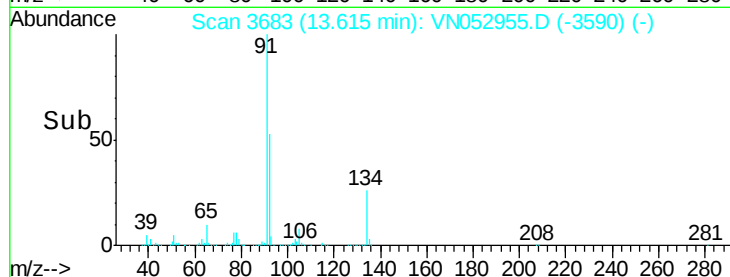
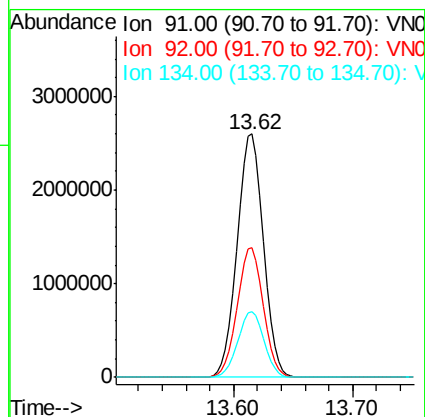
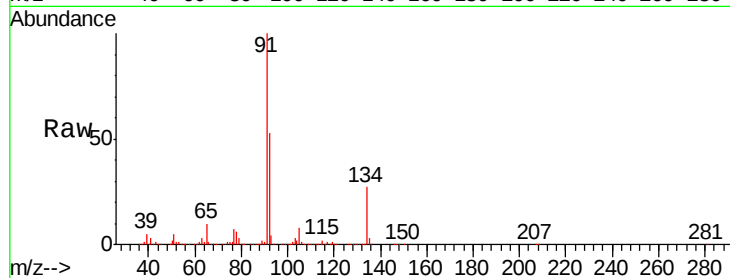
134 27.0 13.3 39.8

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#90

Hexachloroethane

Concen: 102.344 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052955.D

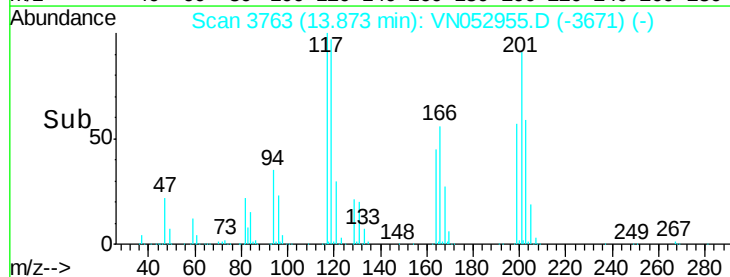
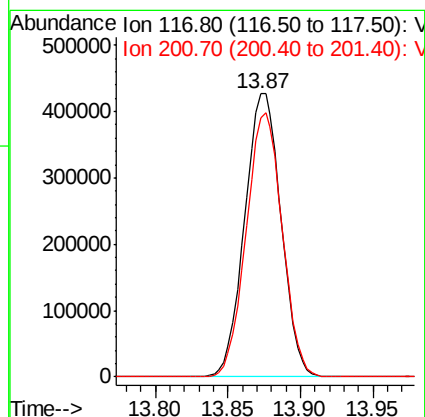
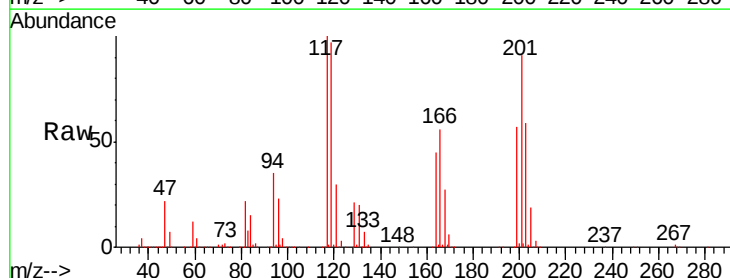
Acq: 18 Dec 2018 12:15

Tgt Ion: 117 Resp: 745346

Ion Ratio Lower Upper

117 100

201 92.2 45.7 137.1





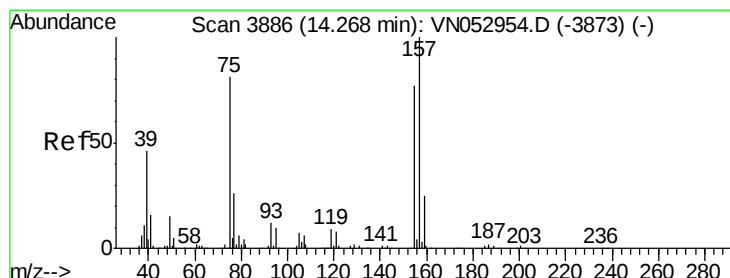
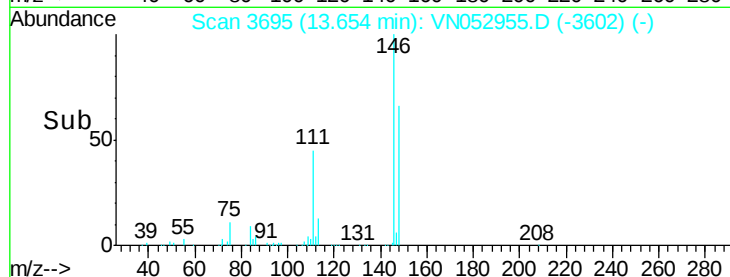
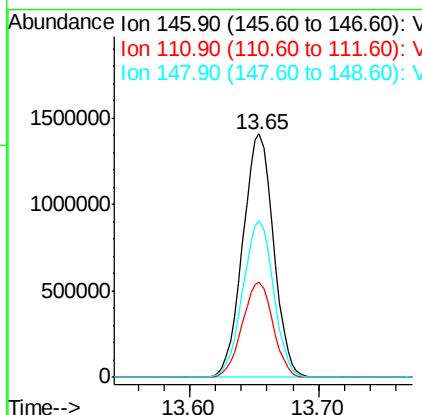
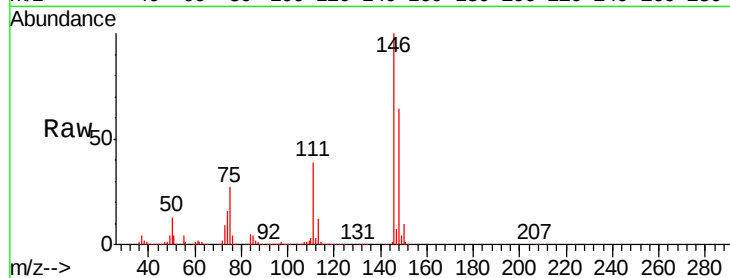
#91
 1,2-Dichlorobenzene
 Concen: 91.865 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0

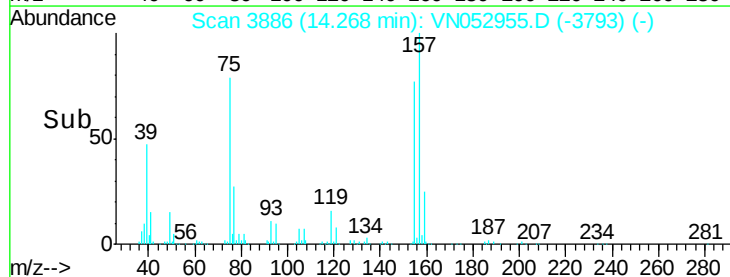
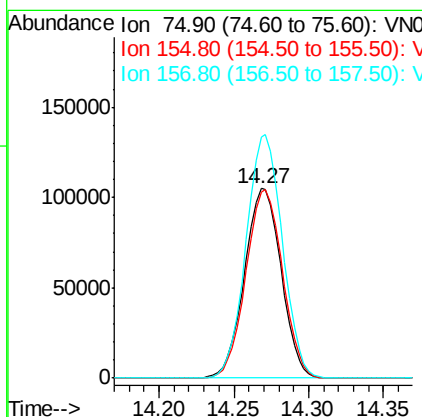
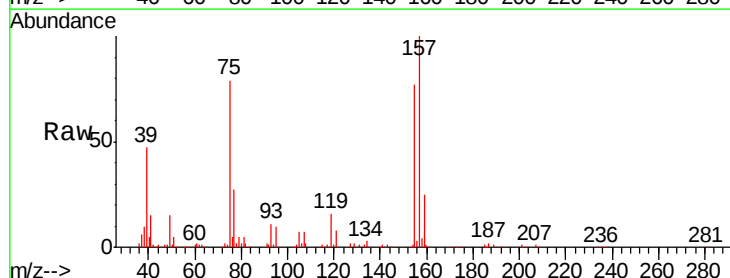
Manual Integrations
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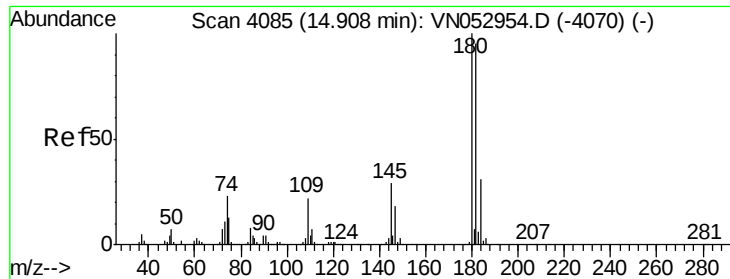
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.963 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	48.2	144.6
157	126.9	61.2	183.5





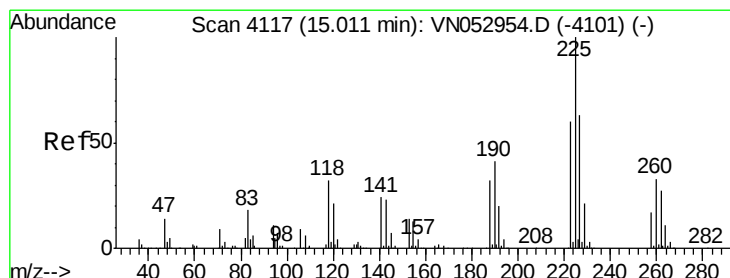
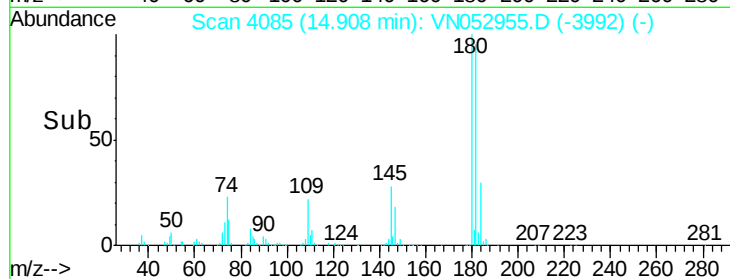
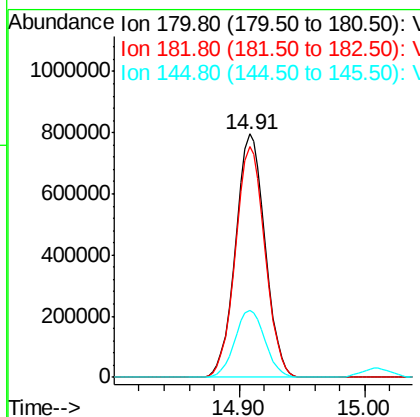
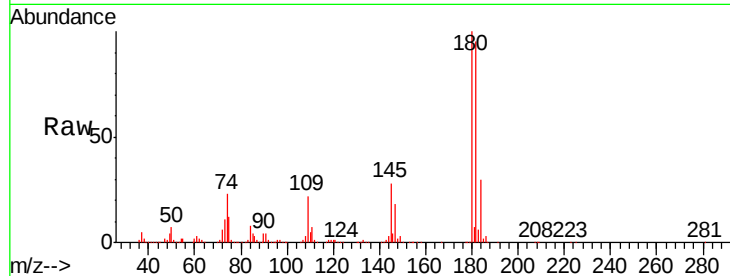
#93
 1,2,4-Trichlorobenzene
 Concen: 84.215 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	28.2	14.2	42.6

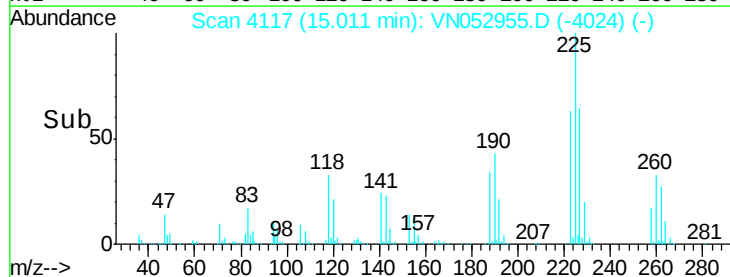
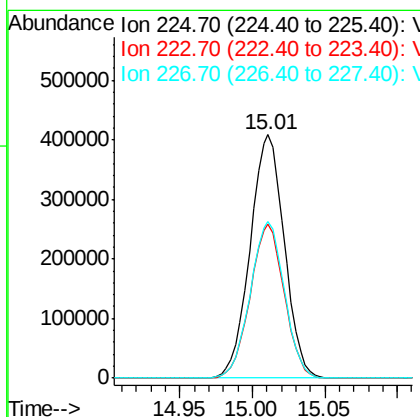
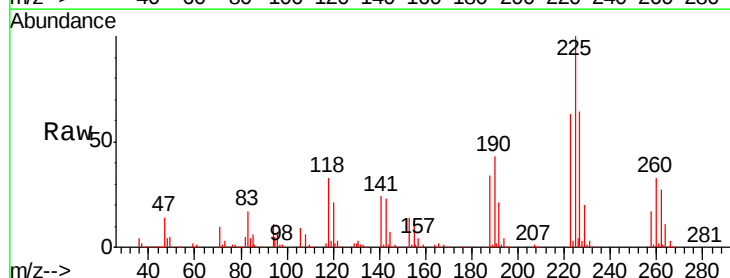
Manual Integrations
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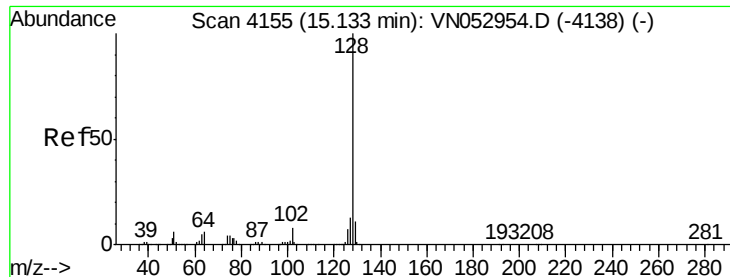
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#94
 Hexachlorobutadiene
 Concen: 70.753 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052955.D
 Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	64.1	31.9	95.7





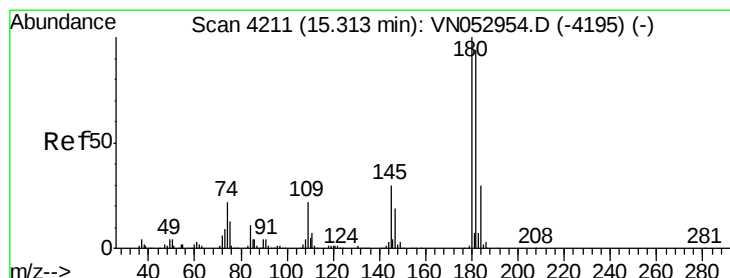
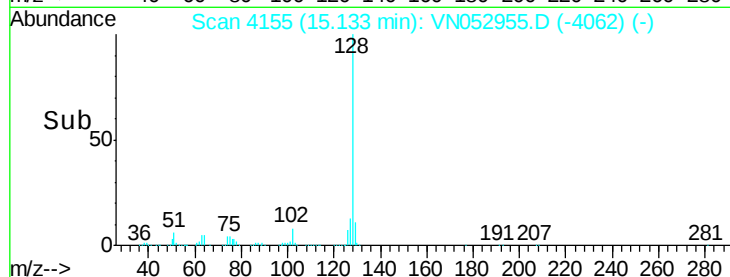
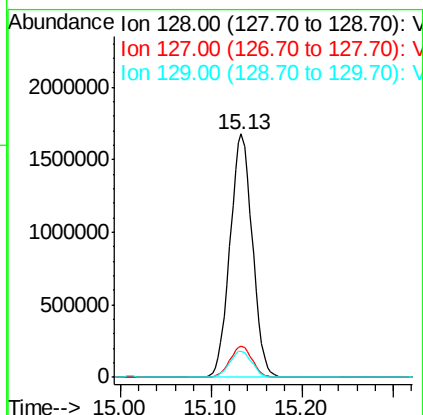
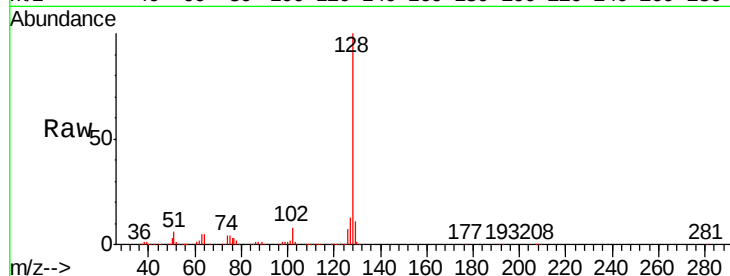
#95
Naphthalene
Concen: 83.826 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 79.919 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052955.D
Acq: 18 Dec 2018 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	29.7	15.0	45.0

