

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052957.D
 Acq On : 18 Dec 2018 13:16
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121818

Manual Integrations
 APPROVED

Quant Time: Dec 18 14:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1068040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1589984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1443081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	689738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545909	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.59	113	399657	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.09	98	2028987	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.40	95	712287	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	528942	48.934	ug/l	100
3) Chloromethane	2.06	50	642758	49.070	ug/l	99
4) Vinyl Chloride	2.19	62	634290	47.813	ug/l	100
5) Bromomethane	2.57	94	420260	45.725	ug/l	100
6) Chloroethane	2.71	64	375651	47.812	ug/l	99
7) Trichlorofluoromethane	3.02	101	808672	48.933	ug/l	99
8) Diethyl Ether	3.41	74	304230	48.798	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	522663	49.603	ug/l	99
10) Methyl Iodide	3.96	142	738671	49.920	ug/l	99
11) Tert butyl alcohol	4.77	59	163455	247.162	ug/l	98
12) 1,1-Dichloroethene	3.74	96	489459	48.081	ug/l	99
13) Acrolein	3.61	56	155962	260.087	ug/l	98
14) Allyl chloride	4.33	41	771539	48.930	ug/l	98
15) Acrylonitrile	4.98	53	891112	242.545	ug/l	100
16) Acetone	3.81	43	493583	232.263	ug/l	96
17) Carbon Disulfide	4.06	76	1528721	46.047	ug/l	99
18) Methyl Acetate	4.32	43	463549	48.098	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1351808	49.622	ug/l	98
20) Methylene Chloride	4.55	84	556524	48.009	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	522112	47.737	ug/l	99
22) Diisopropyl ether	5.95	45	1664376	49.450	ug/l	98
23) Vinyl Acetate	5.89	43	4895080	252.923	ug/l	98
24) 1,1-Dichloroethane	5.85	63	966465	48.323	ug/l	99
25) 2-Butanone	6.83	43	904657	253.658	ug/l	98
26) 2,2-Dichloropropane	6.82	77	763090	49.981	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	600877	48.527	ug/l	100
28) Bromochloromethane	7.19	49	423612	48.879	ug/l	96
29) Tetrahydrofuran	7.21	42	654174	245.591	ug/l	97
30) Chloroform	7.37	83	948177	48.260	ug/l	99
31) Cyclohexane	7.65	56	946011	50.442	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	808163	48.286	ug/l	99
36) 1,1-Dichloropropene	7.79	75	761667	49.909	ug/l	100
37) Ethyl Acetate	6.93	43	445108	52.246	ug/l	98
38) Carbon Tetrachloride	7.77	117	709790	50.742	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	958336	51.693	ug/l	98
40) Benzene	8.04	78	2252166	49.614	ug/l	99
41) Methacrylonitrile	7.17	41	229543m	46.632	ug/l	
42) 1,2-Dichloroethane	8.12	62	652520	48.659	ug/l	98
43) Isopropyl Acetate	8.16	43	840782	51.019	ug/l	99
44) Trichloroethene	8.84	130	641801	48.882	ug/l	98
45) 1,2-Dichloropropane	9.12	63	595950	50.403	ug/l	99
46) Dibromomethane	9.21	93	340706	49.465	ug/l	98
47) Bromodichloromethane	9.40	83	731862	49.986	ug/l	99
48) Methyl methacrylate	9.20	41	415336	50.240	ug/l	98
49) 1,4-Dioxane	9.20	88	93789	896.861	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2149316	260.509	ug/l	99
52) Toluene	10.16	92	1416921	50.359	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	782467	50.823	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	910539	51.524	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	493534	50.279	ug/l	98
56) Ethyl methacrylate	10.43	69	682164	52.505	ug/l	98
57) 1,3-Dichloropropane	10.71	76	849065	50.442	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1851643	259.599	ug/l	98
59) 2-Hexanone	10.75	43	1444391	258.753	ug/l	99
60) Dibromochloromethane	10.90	129	564257	50.219	ug/l	100
61) 1,2-Dibromoethane	11.01	107	501794	50.335	ug/l	100
64) Tetrachloroethene	10.63	164	741391	47.428	ug/l	100
65) Chlorobenzene	11.43	112	1570171	49.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	556388	50.017	ug/l	100
67) Ethyl Benzene	11.51	91	2738721	49.783	ug/l	100
68) m/p-Xylenes	11.62	106	2096129	100.229	ug/l	98
69) o-Xylene	11.95	106	1010106	50.334	ug/l	100
70) Styrene	11.96	104	1670676	51.055	ug/l	99
71) Bromoform	12.13	173	394394	49.077	ug/l	99
73) Isopropylbenzene	12.25	105	2704741	50.119	ug/l	100
74) N-amyl acetate	12.07	43	764548	51.028	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	527791	49.851	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	509156m	43.851	ug/l	
77) Bromobenzene	12.53	156	683392	48.716	ug/l	99
78) n-propylbenzene	12.59	91	3098293	50.410	ug/l	99
79) 2-Chlorotoluene	12.67	91	1808040	47.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2188223	49.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	191663	53.204	ug/l	94
82) 4-Chlorotoluene	12.77	91	1843749	49.439	ug/l	99
83) tert-Butylbenzene	12.99	119	1906874	49.017	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2226497	50.351	ug/l	100
85) sec-Butylbenzene	13.17	105	2609356	49.589	ug/l	99
86) p-Isopropyltoluene	13.29	119	2286540	50.289	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1225408	49.356	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1212722	48.233	ug/l	100
89) n-Butylbenzene	13.62	91	1961001	50.133	ug/l	100
90) Hexachloroethane	13.88	117	355244	50.914	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1160132	49.649	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91167	49.801	ug/l	98

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Manual Integrations
APPROVED

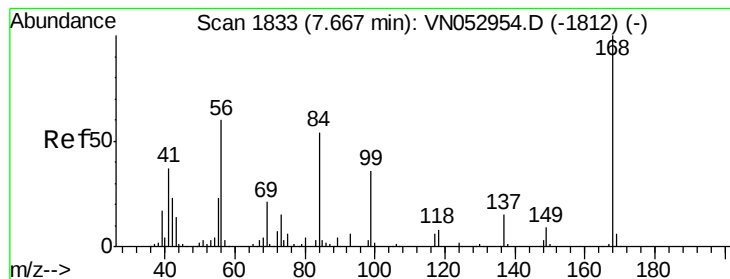
Quant Time: Dec 18 14:42:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	651384	52.585	ug/l	99
94) Hexachlorobutadiene	15.01	225	394261	62.209	ug/l	99
95) Naphthalene	15.13	128	1372090	50.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	580195	52.023	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121818

Tgt Ion:168 Resp: 1068040

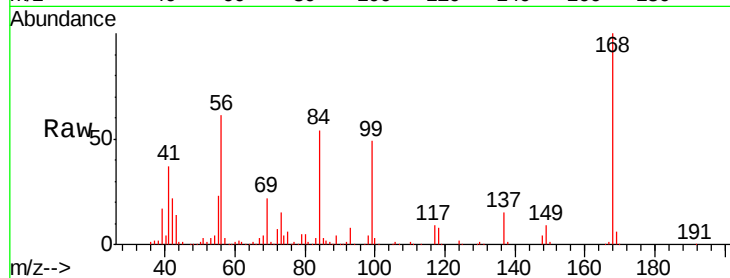
Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.2

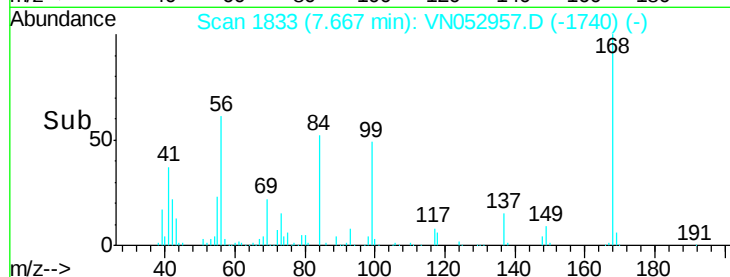
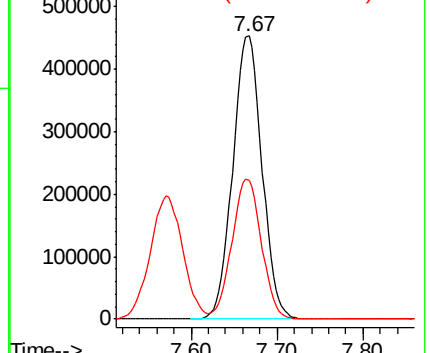
Manual Integrations

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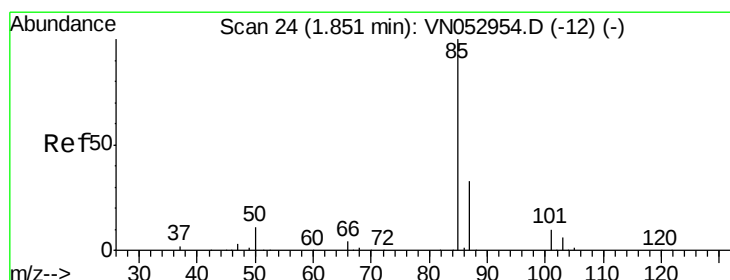
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



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#2

Dichlorodifluoromethane

Concen: 48.934 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052957.D

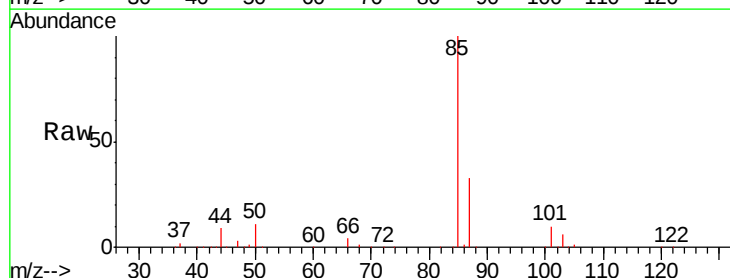
Acq: 18 Dec 2018 13:16

Tgt Ion: 85 Resp: 528942

Ion Ratio Lower Upper

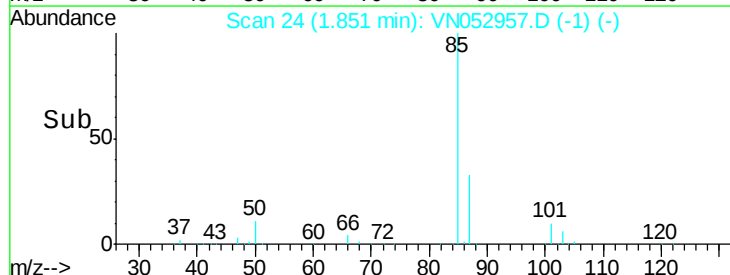
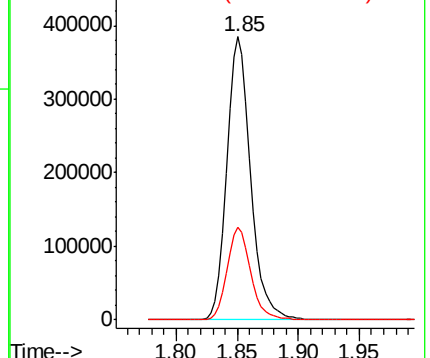
85 100

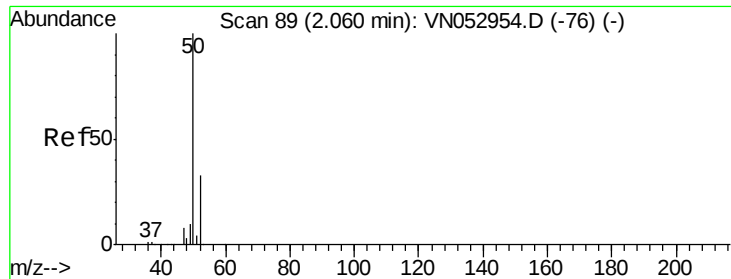
87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.070 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVVN121818

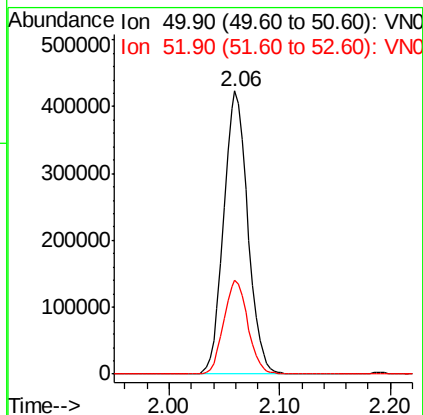
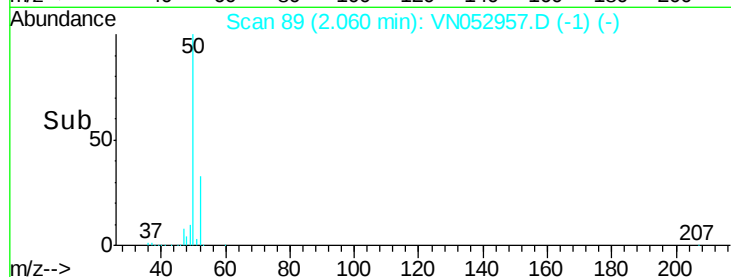
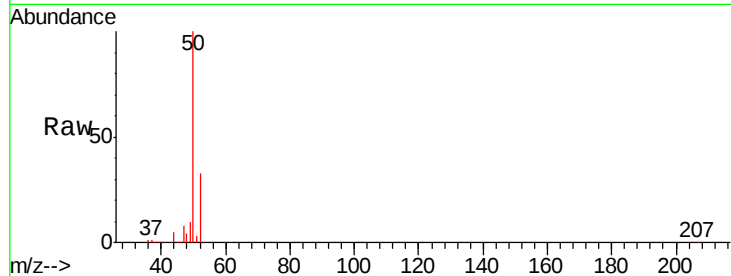
Tgt Ion: 50 Resp: 642758

Ion Ratio Lower Upper

50 100

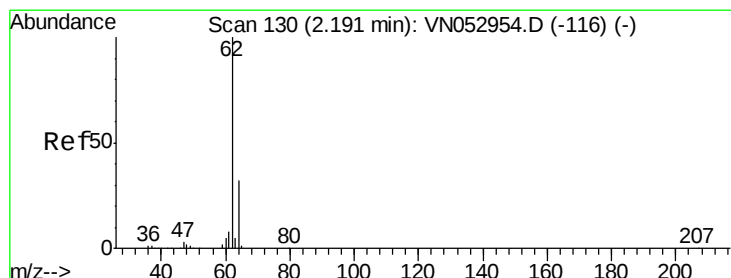
52 33.2 26.2 39.4

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#4

Vinyl Chloride

Concen: 47.813 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052957.D

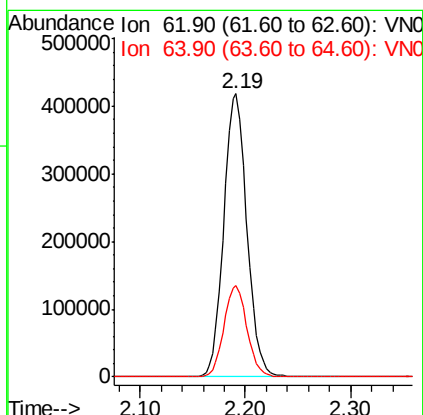
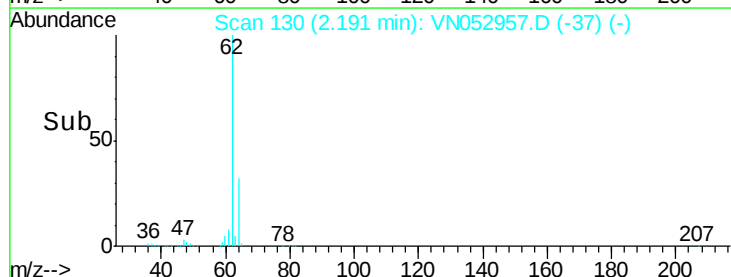
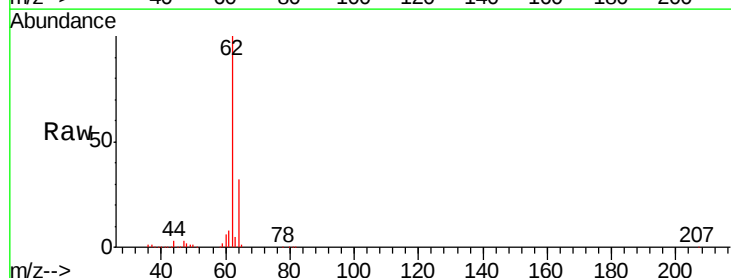
Acq: 18 Dec 2018 13:16

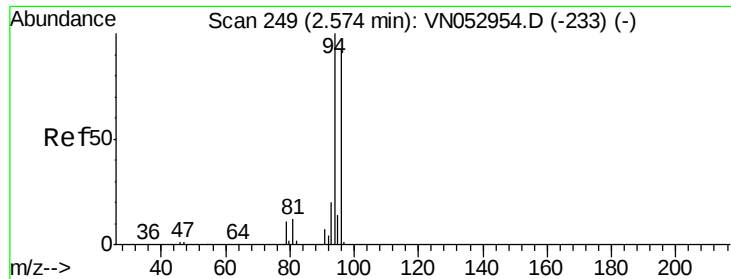
Tgt Ion: 62 Resp: 634290

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 45.725 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVVN121818

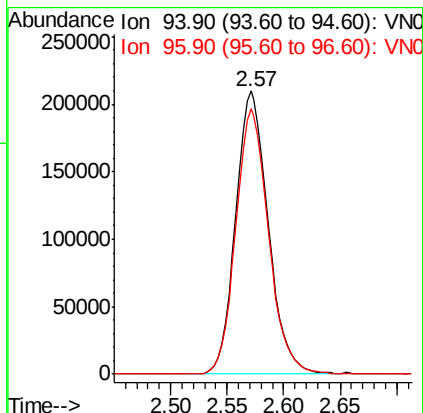
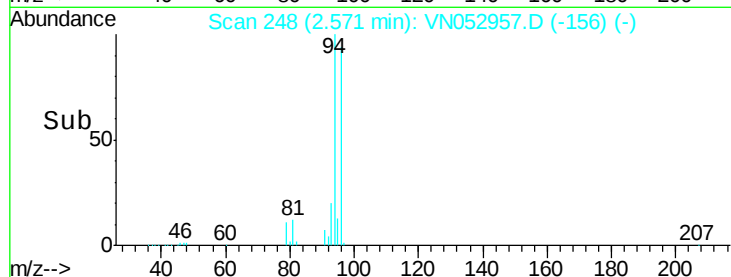
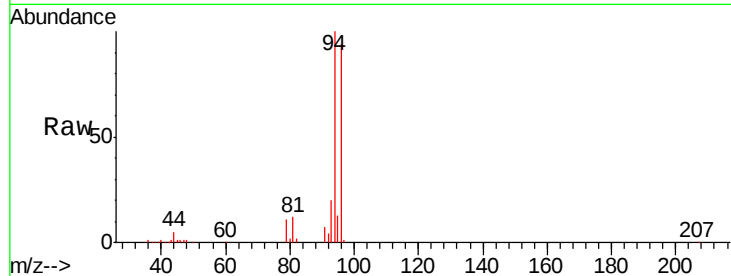
Tgt Ion: 94 Resp: 420260

Ion Ratio Lower Upper

94 100

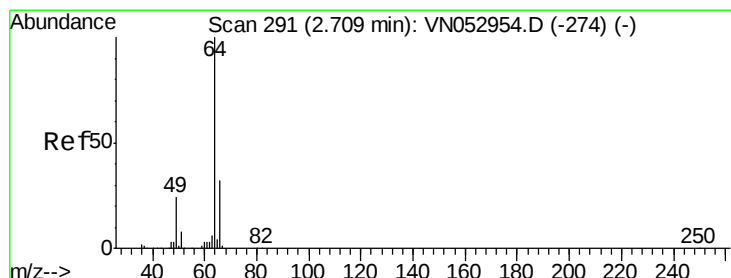
96 93.7 75.0 112.4

Manual Integrations
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#6

Chloroethane

Concen: 47.812 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052957.D

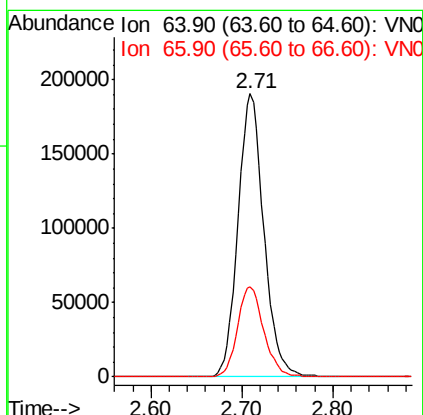
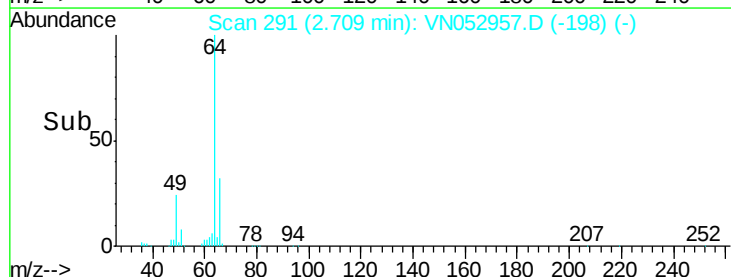
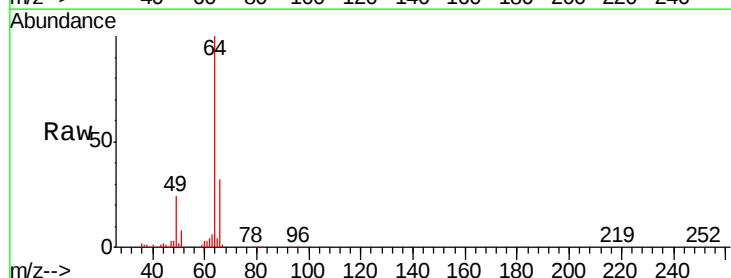
Acq: 18 Dec 2018 13:16

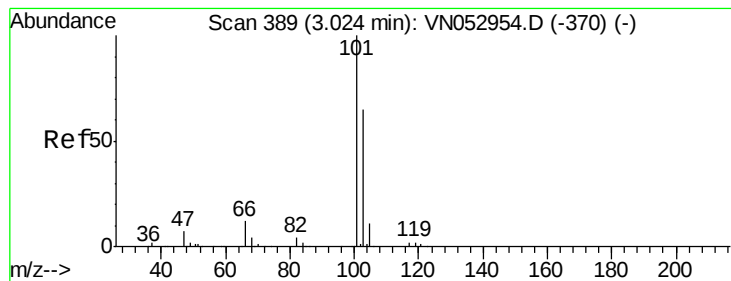
Tgt Ion: 64 Resp: 375651

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2





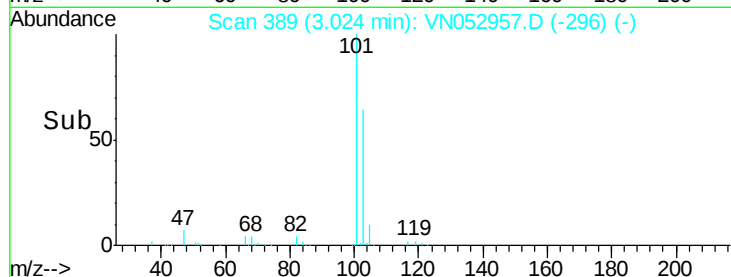
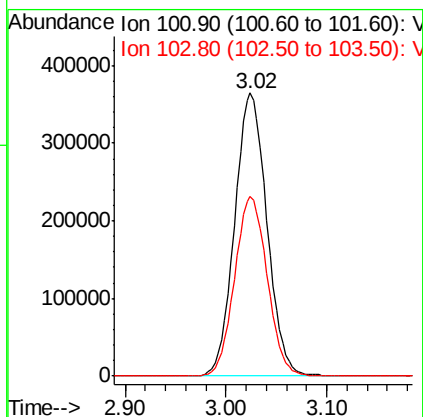
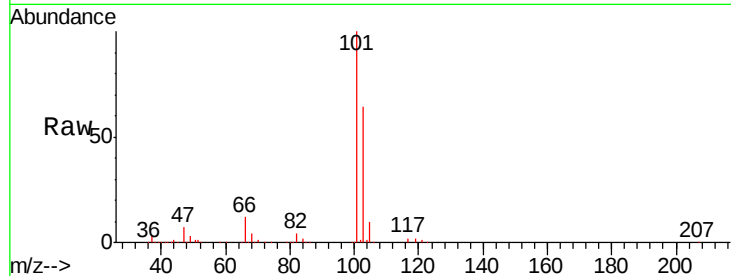
#7

Trichlorofluoromethane
Concen: 48.933 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

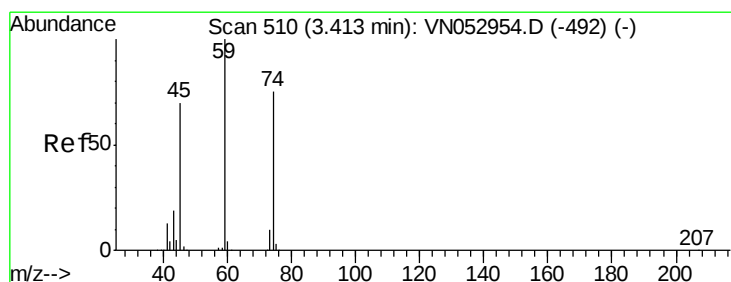
Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

Manual Integrations
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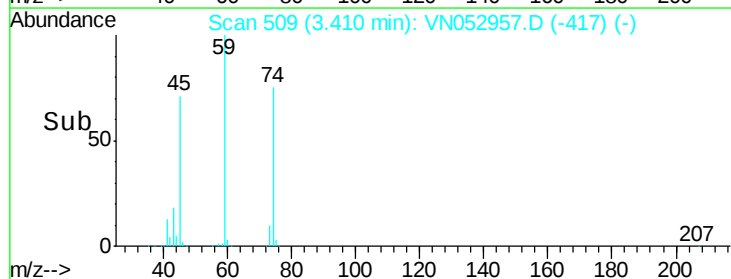
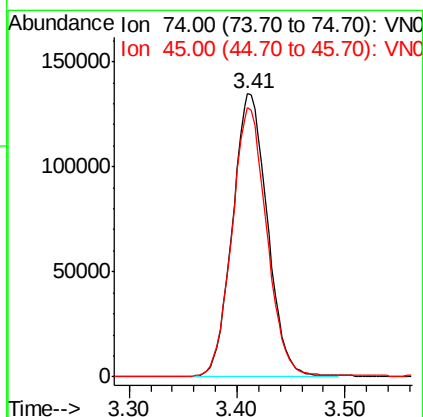
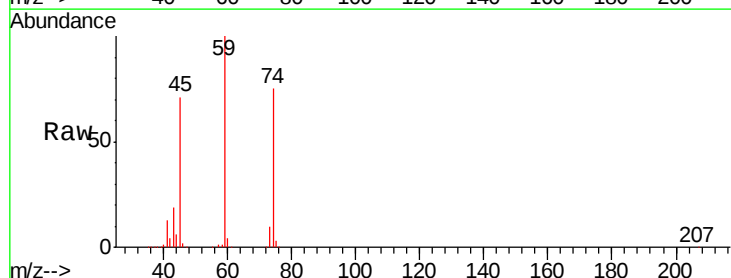
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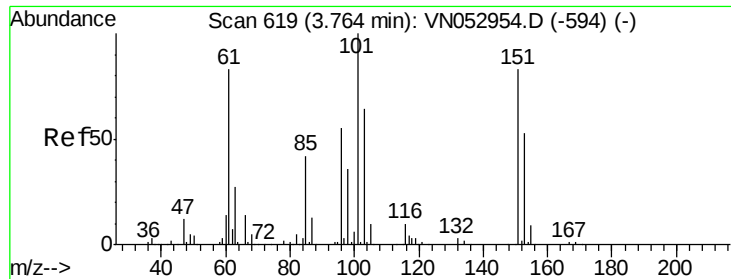


#8

Diethyl Ether
Concen: 48.798 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.603 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

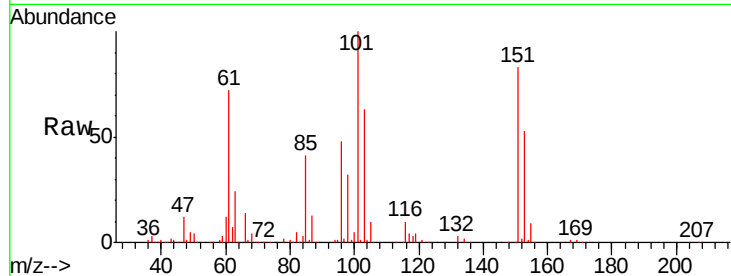
MSVOA_N

ClientSampleId :

ICVVN121818

Tgt	Ion	101	Resp:	522663
Ion	Ratio	Lower	Upper	
101	100			
85	41.7	33.6	50.4	
151	83.4	65.5	98.3	

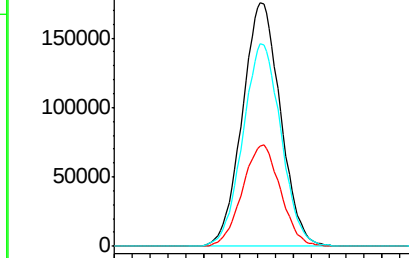
Manual Integrations
APPROVED



Abundance Ion 100.90 (100.60 to 101.60): V

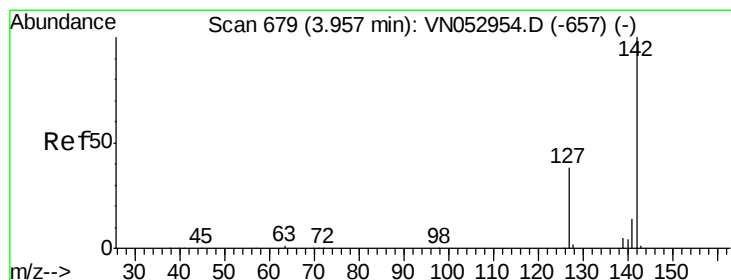
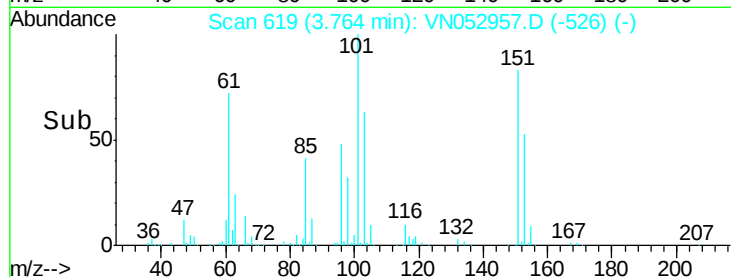
Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 49.920 ug/l

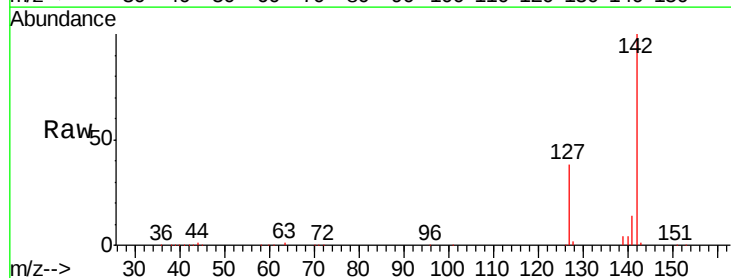
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

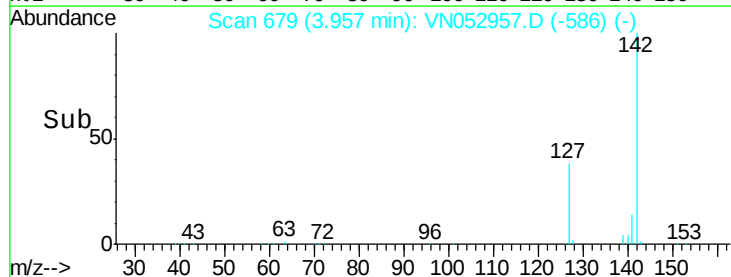
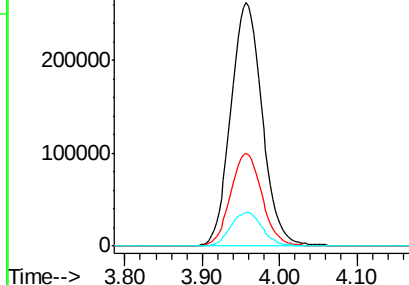
Tgt	Ion	142	Resp:	738671
Ion	Ratio	Lower	Upper	
142	100			
127	38.2	31.0	46.6	
141	14.0	11.2	16.8	

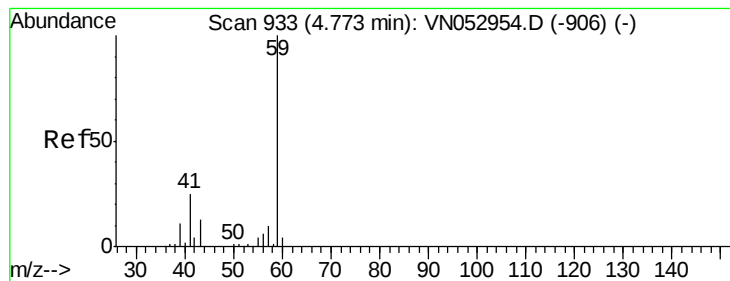


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





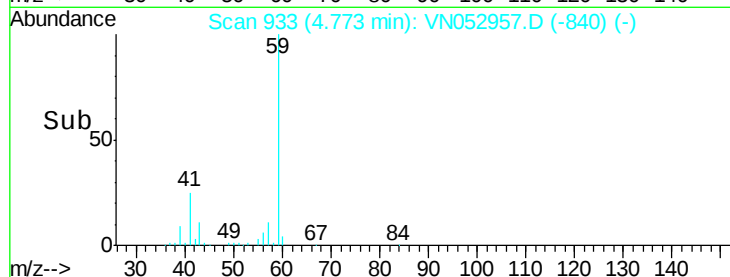
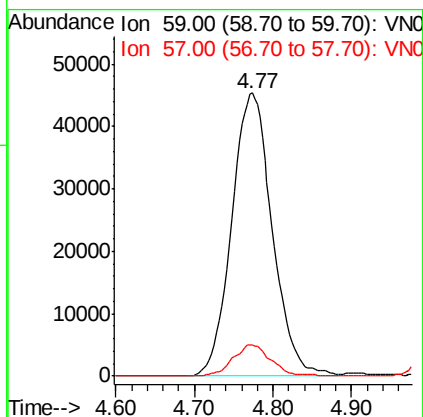
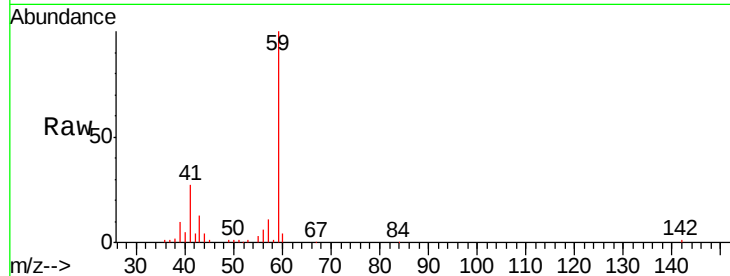
#11

Tert butyl alcohol
Concen: 247.162 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

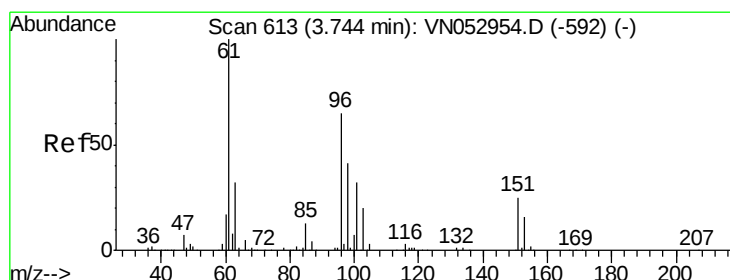
Tgt Ion: 59 Resp: 163455
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

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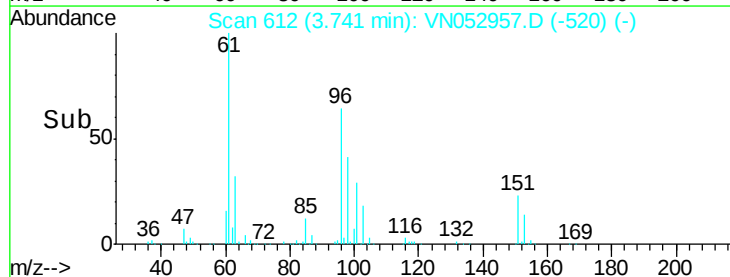
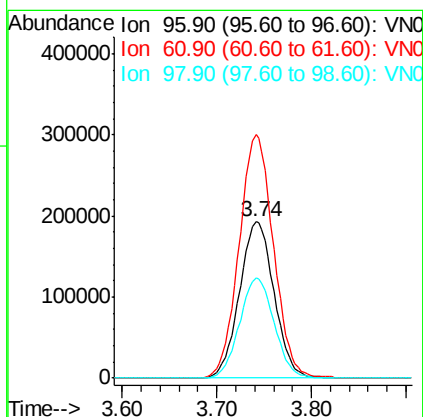
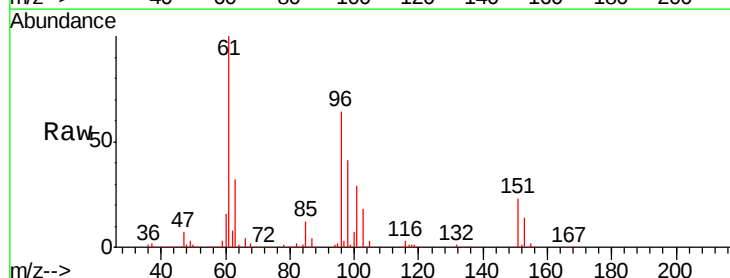
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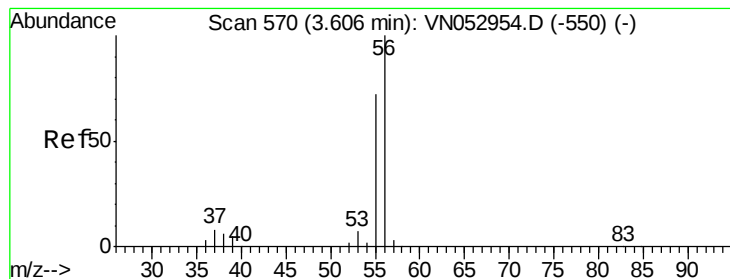


#12

1,1-Dichloroethene
Concen: 48.081 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 96 Resp: 489459
Ion Ratio Lower Upper
96 100
61 156.1 125.6 188.4
98 63.9 50.6 75.8





#13

Acrolein

Concen: 260.087 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121818

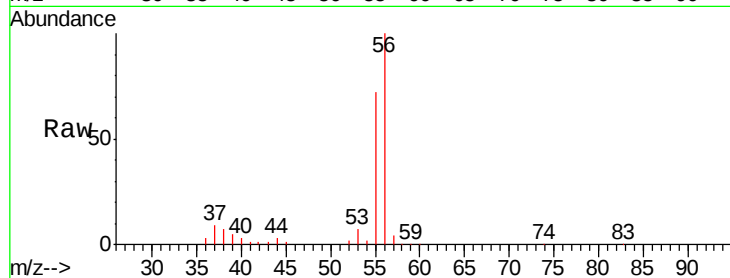
Tgt Ion: 56 Resp: 155962

Ion Ratio Lower Upper

56 100

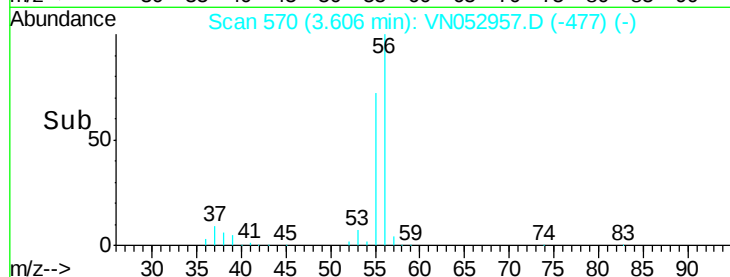
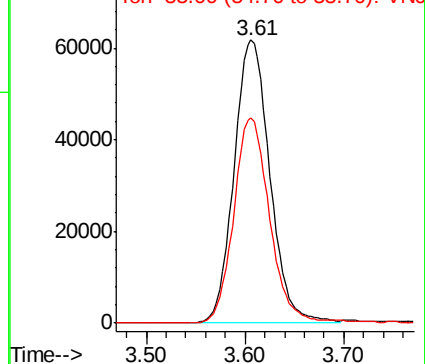
55 72.7 56.6 85.0

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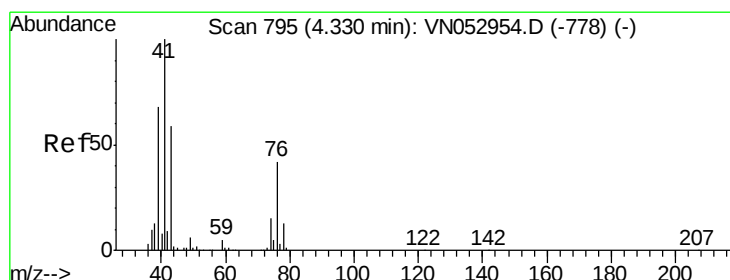
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



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#14

Allyl chloride

Concen: 48.930 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

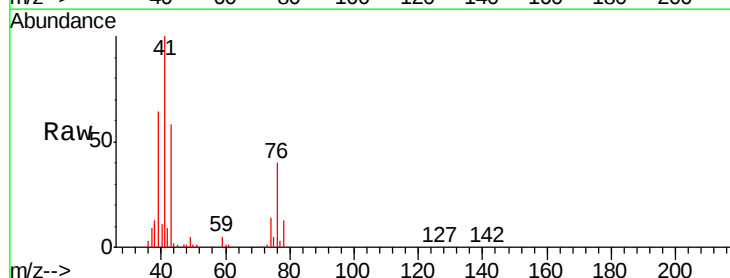
Tgt Ion: 41 Resp: 771539

Ion Ratio Lower Upper

41 100

39 66.1 54.1 81.1

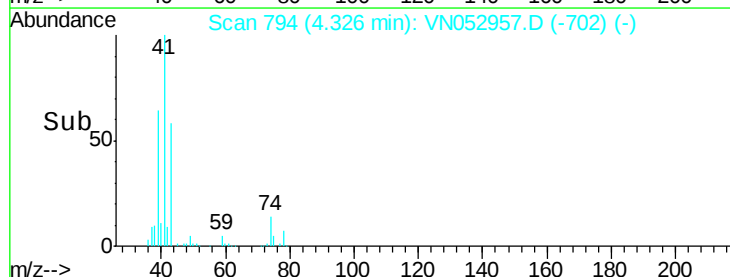
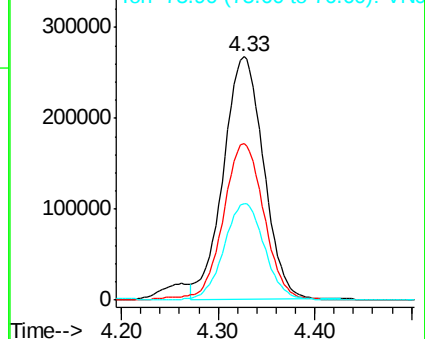
76 39.3 30.3 45.5

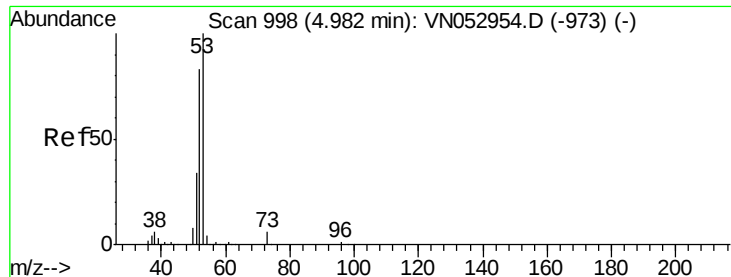


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 242.545 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

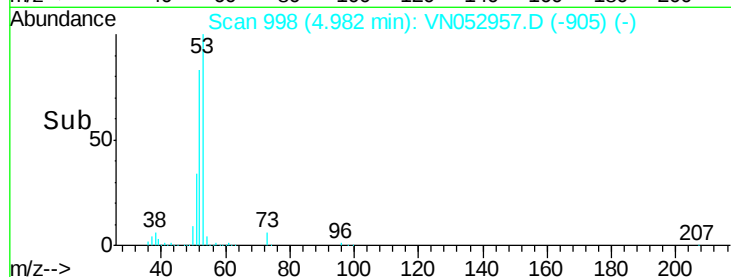
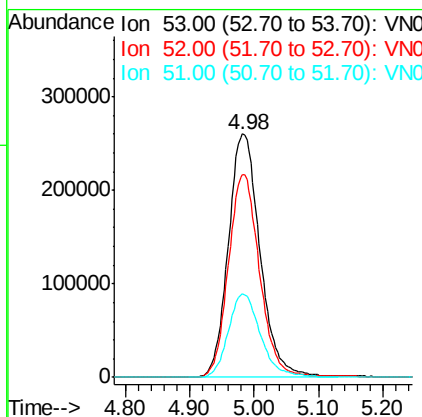
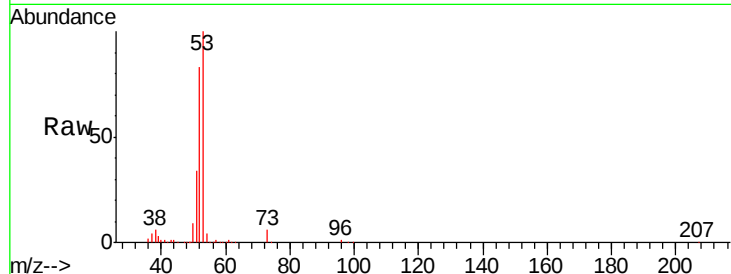
MSVOA_N

ClientSampleId :

ICVVN121818

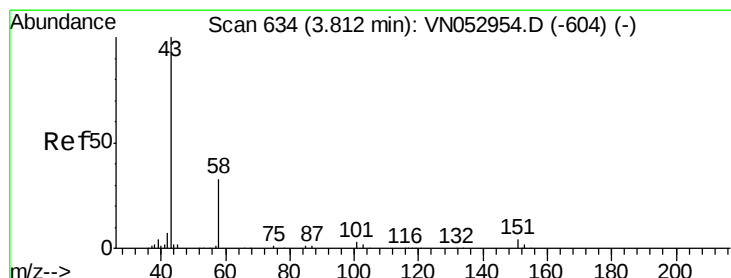
Tgt Ion:	53	Resp:	891112
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.1	97.7
51	34.9	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 232.263 ug/l

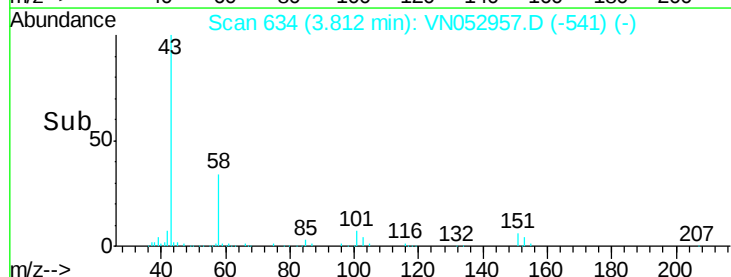
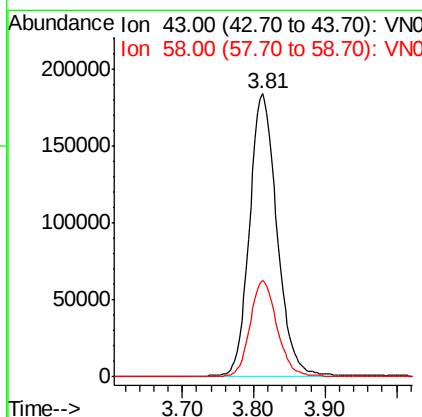
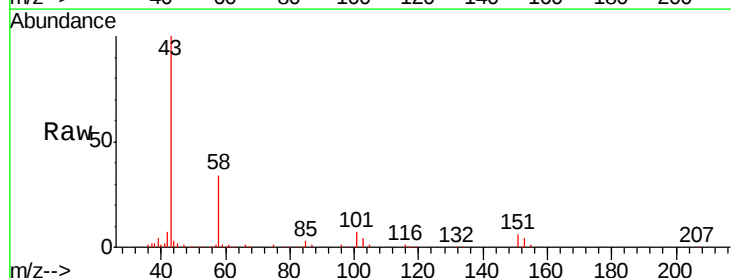
RT: 3.81 min Scan# 634

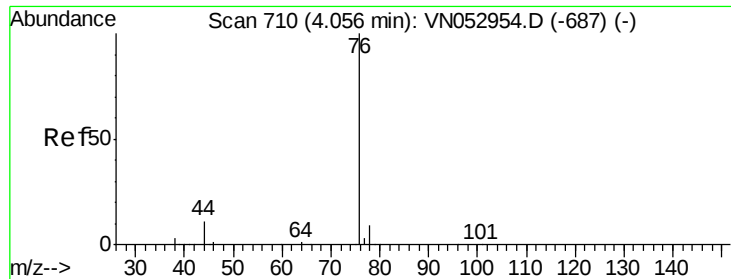
Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Tgt Ion:	43	Resp:	493583
Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.4	38.0





#17

Carbon Disulfide

Concen: 46.047 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121818

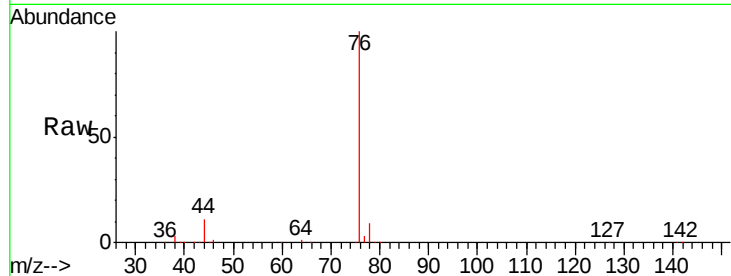
Tgt Ion: 76 Resp: 1528721

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

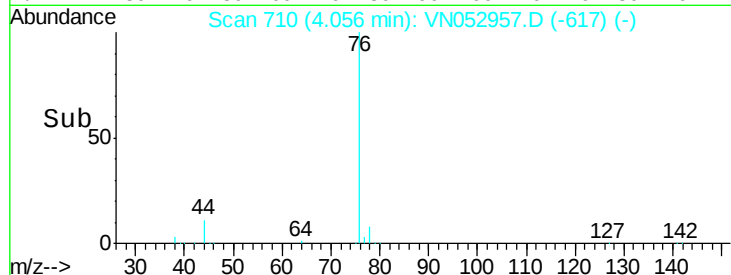
600000

400000

200000

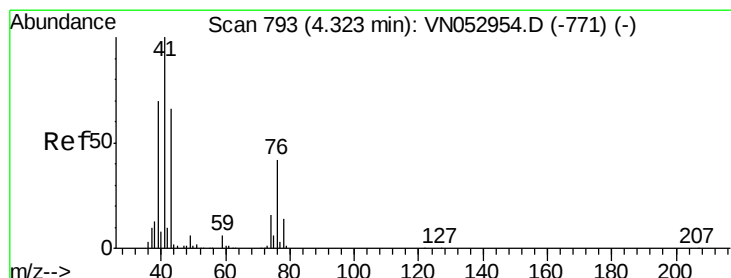
0

Time-->



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#18

Methyl Acetate

Concen: 48.098 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052957.D

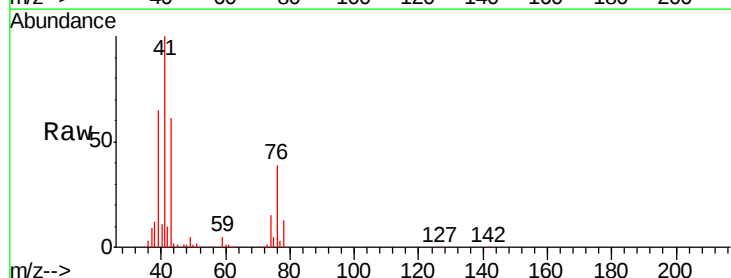
Acq: 18 Dec 2018 13:16

Tgt Ion: 43 Resp: 463549

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

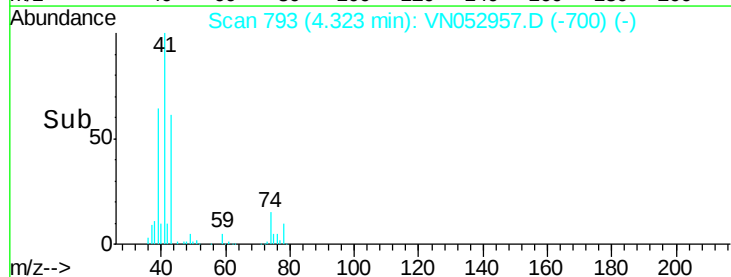
150000

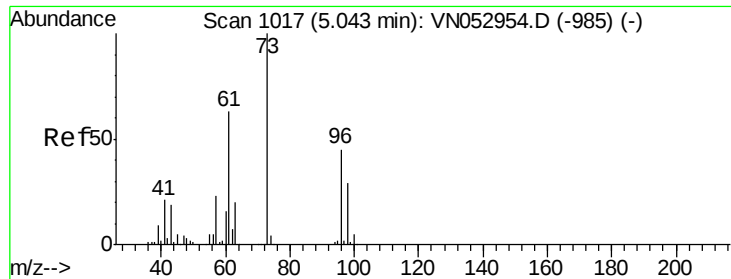
100000

50000

0

Time-->



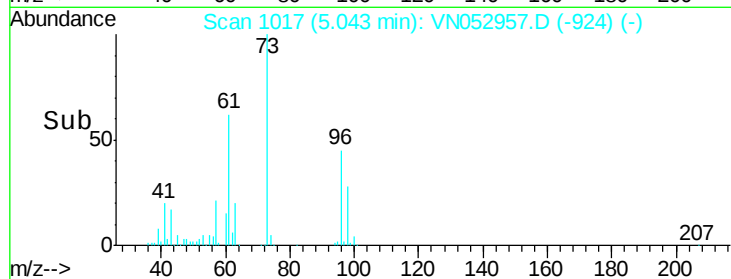
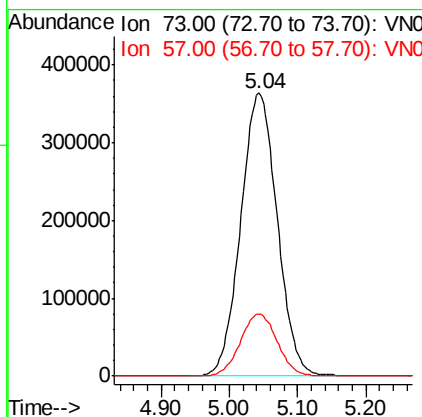
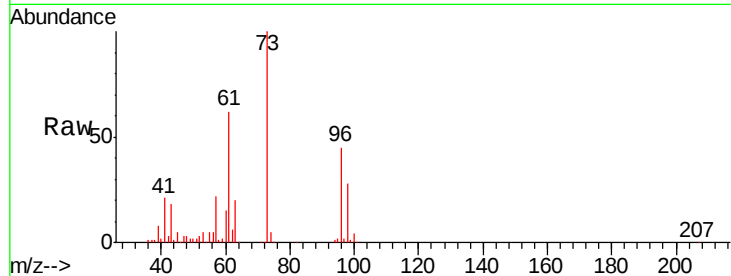


#19
Methyl tert-butyl Ether
Concen: 49.622 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

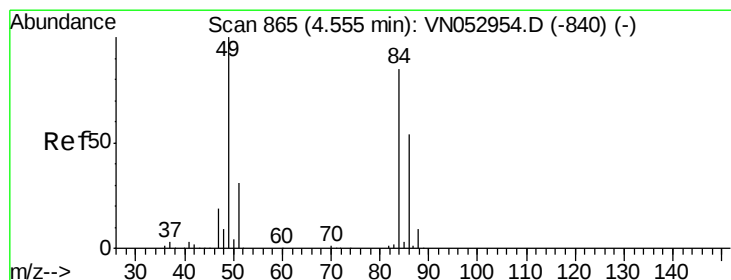
Tgt Ion: 73 Resp: 1351808
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

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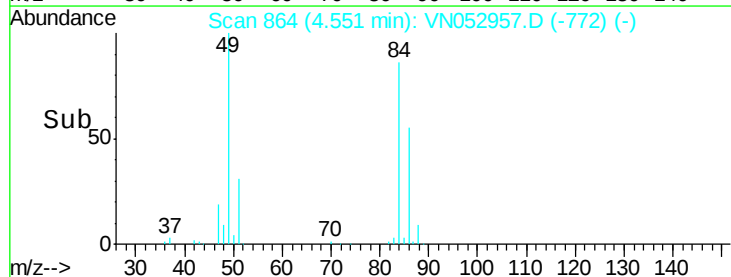
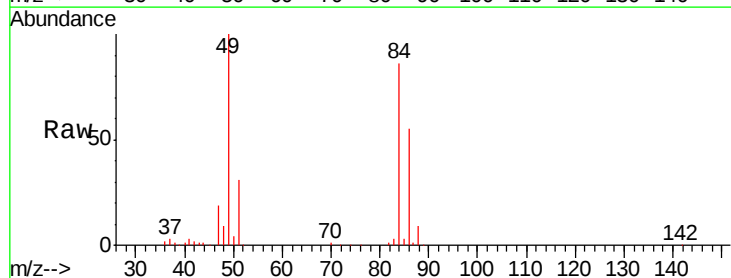
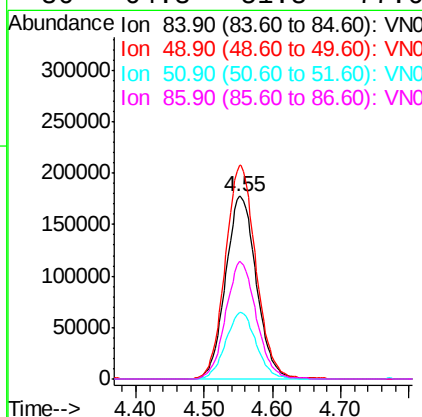
MMDadoda

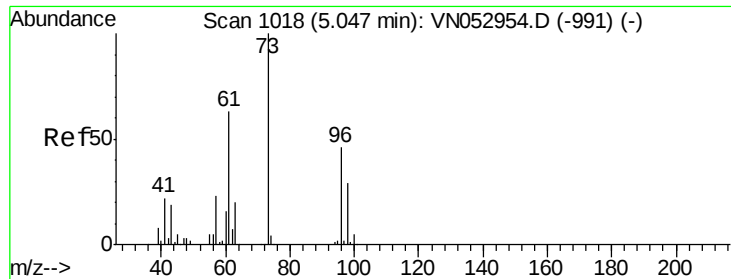
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#20
Methylene Chloride
Concen: 48.009 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 84 Resp: 556524
Ion Ratio Lower Upper
84 100
49 116.8 96.8 145.2
51 36.3 29.9 44.9
86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.737 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

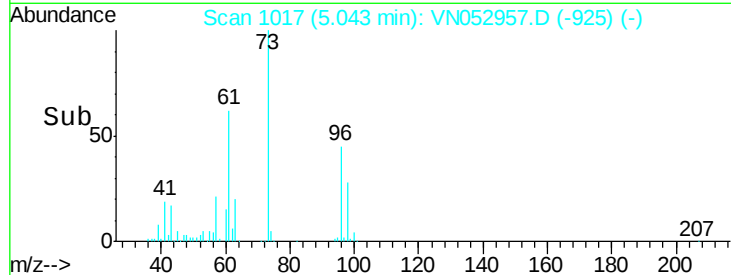
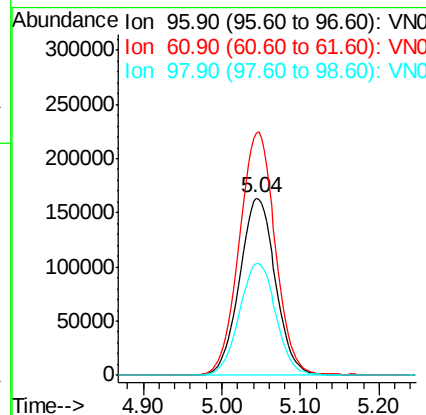
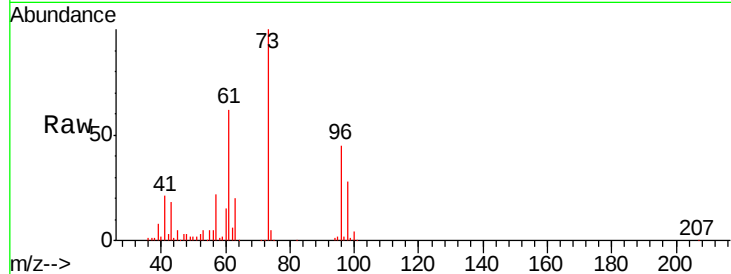
MSVOA_N

ClientSampled :

ICVFN121818

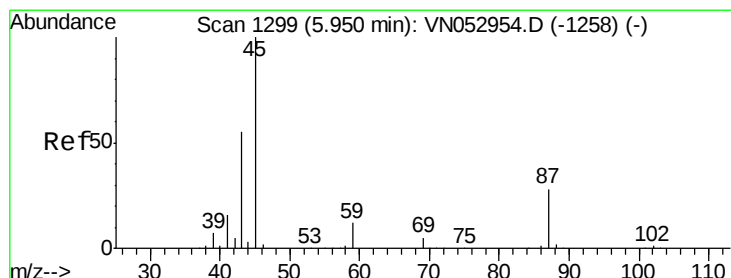
Tgt Ion:	96	Resp:	522112
Ion	Ratio	Lower	Upper
96	100		
61	137.0	110.8	166.2
98	63.4	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.450 ug/l

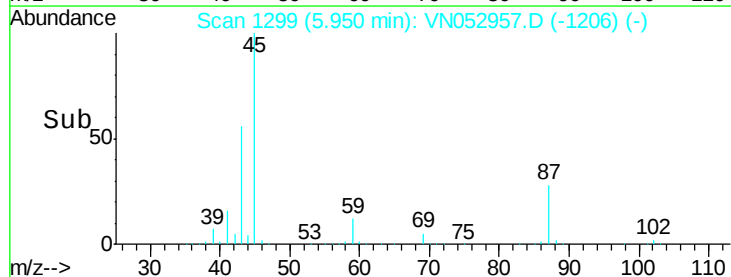
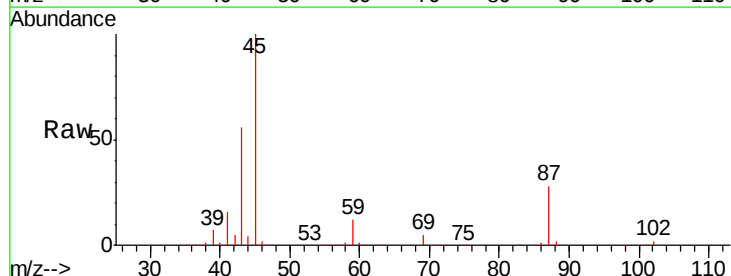
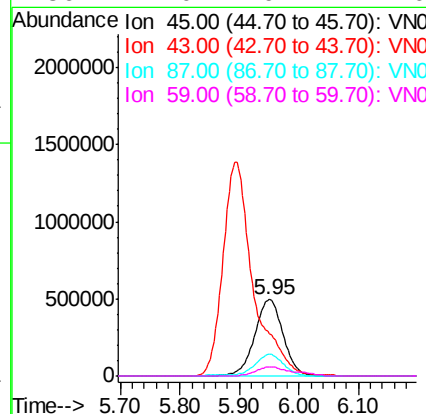
RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Tgt Ion:	45	Resp:	1664376
Ion	Ratio	Lower	Upper
45	100		
43	55.5	45.5	68.3
87	28.1	22.0	33.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 252.923 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVVN121818

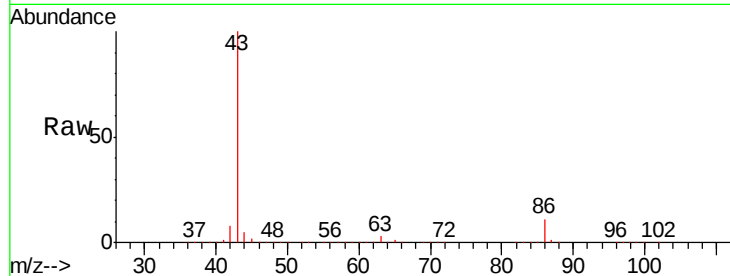
Tgt Ion: 43 Resp: 4895080

Ion Ratio Lower Upper

43 100

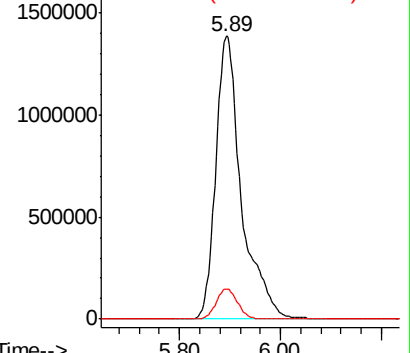
86 10.7 8.1 12.1

Manual Integrations
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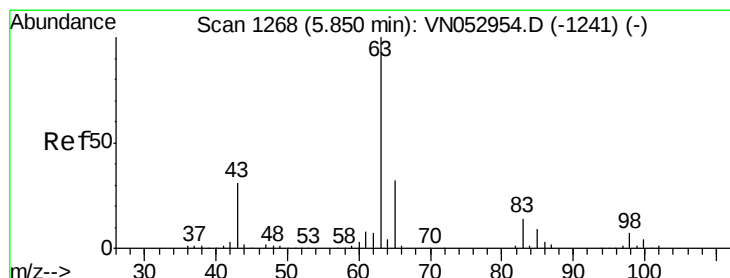
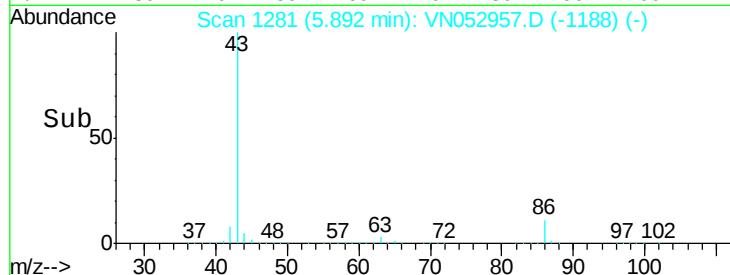
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



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#24

1,1-Dichloroethane

Concen: 48.323 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

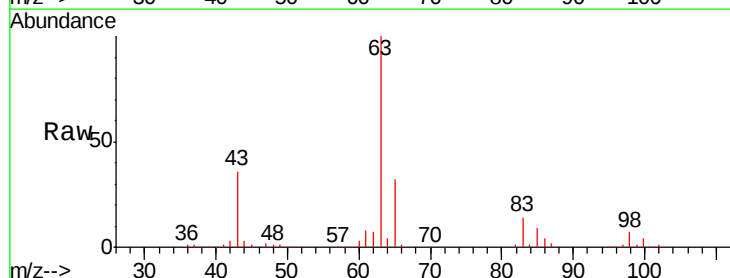
Tgt Ion: 63 Resp: 966465

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

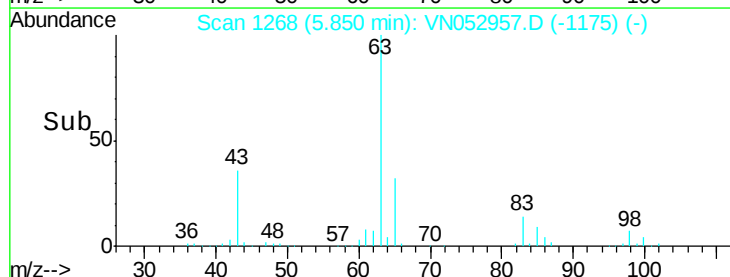
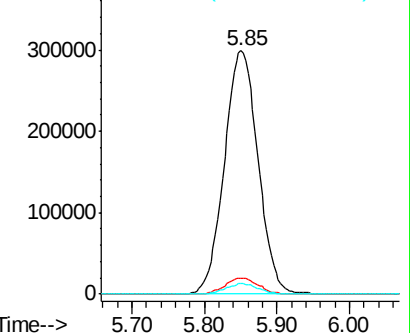
100 4.4 2.0 5.8

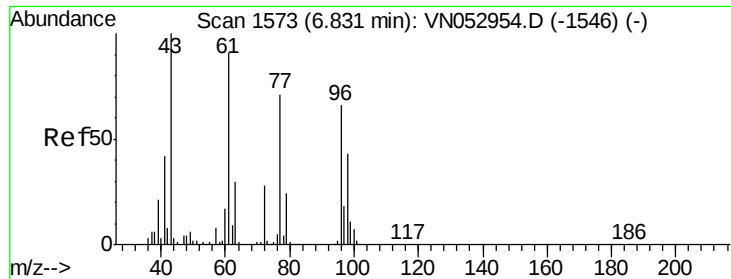


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



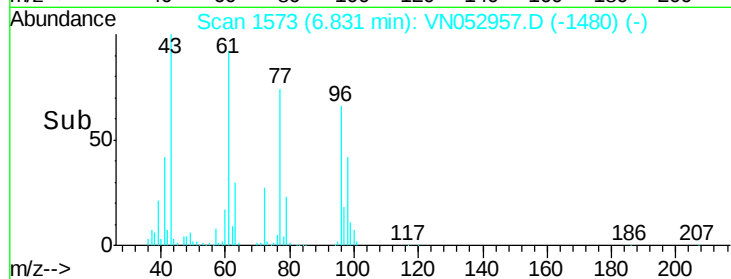
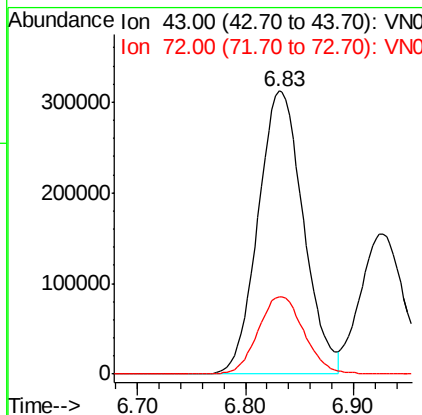
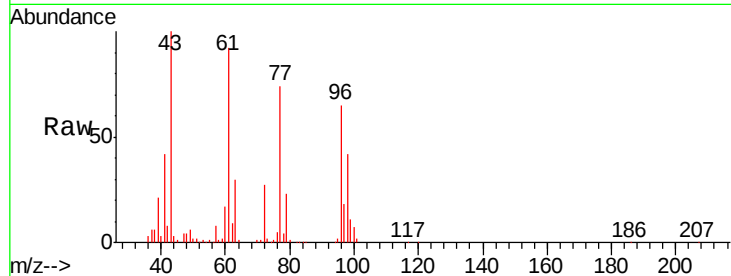


#25
2-Butanone
Concen: 253.658 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

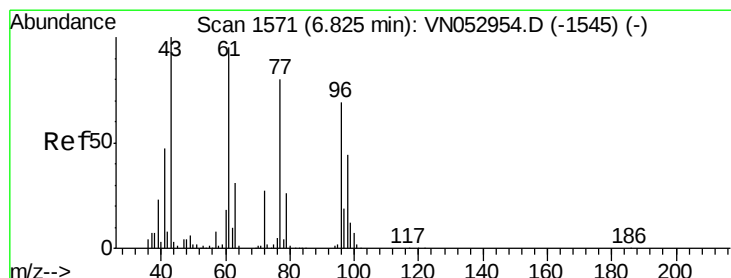
Tgt Ion: 43 Resp: 904657
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6

Manual Integrations
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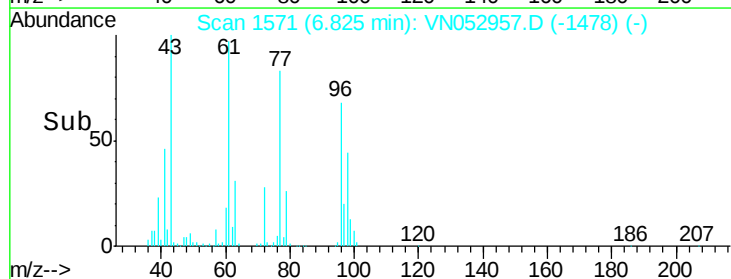
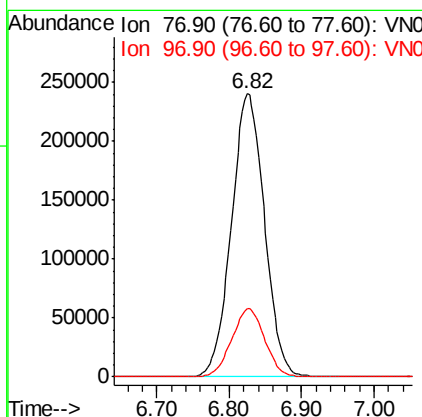
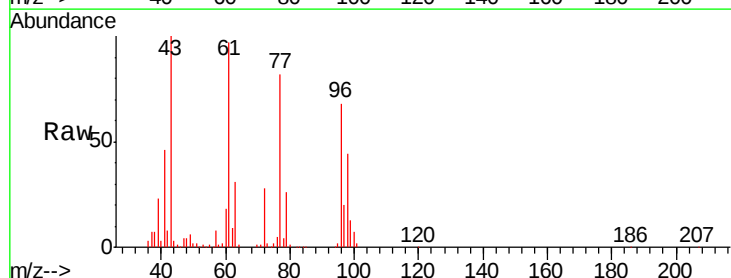
MMDadoda

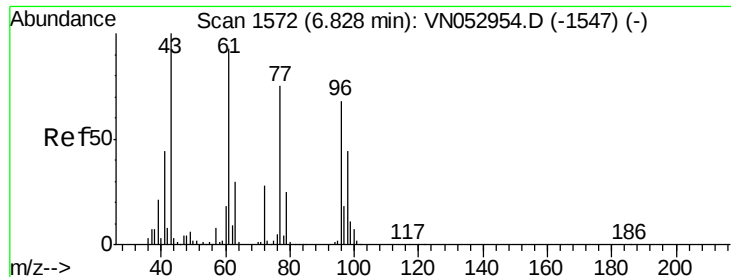
12/19/2018 12:06:36 PM



#26
2,2-Dichloropropane
Concen: 49.981 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 77 Resp: 763090
Ion Ratio Lower Upper
77 100
97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.527 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

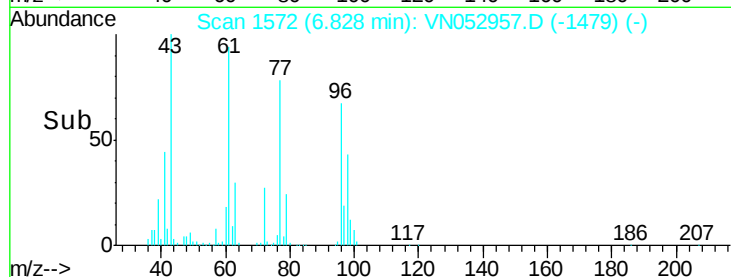
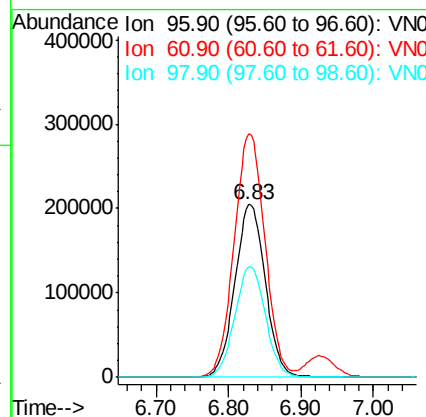
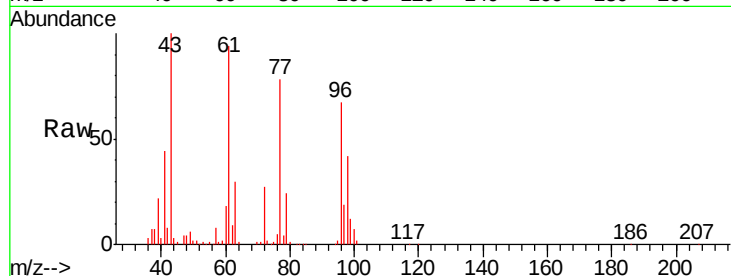
MSVOA_N

ClientSampleId :

ICVVN121818

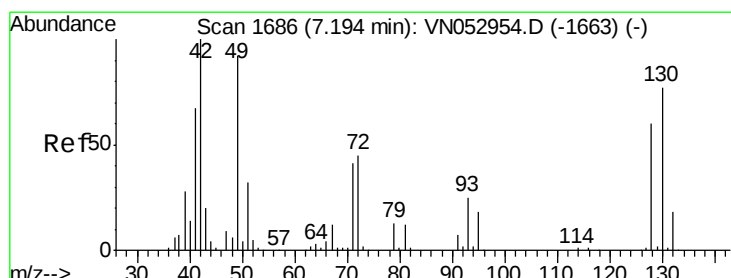
Tgt Ion:	96	Resp:	600877
Ion Ratio	Lower	Upper	
96	100		
61	142.3	0.0	284.2
98	64.5	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 48.879 ug/l

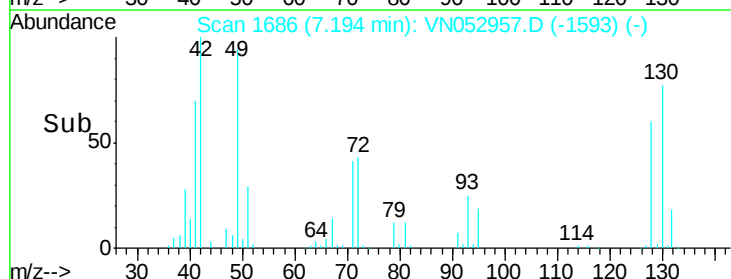
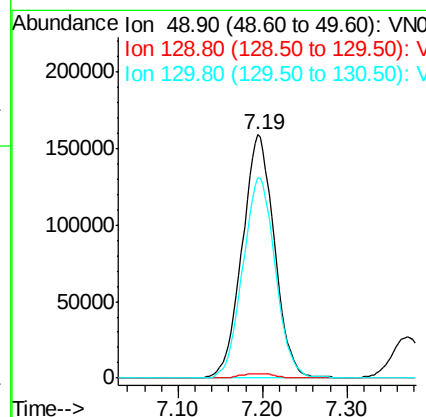
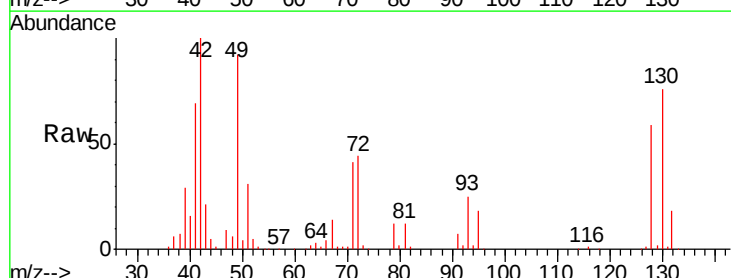
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Tgt Ion:	49	Resp:	423612
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	83.0	63.3	94.9



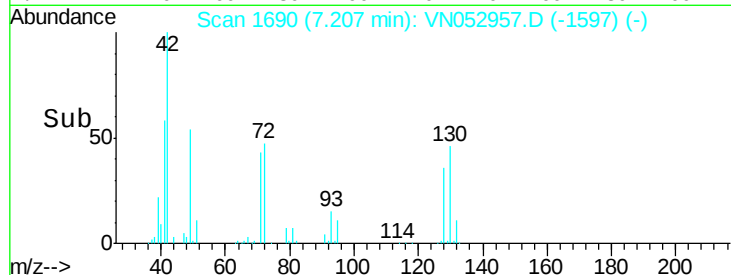
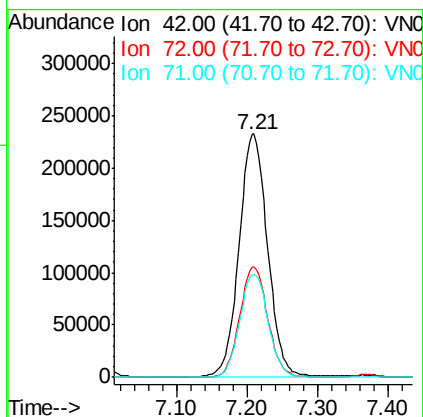
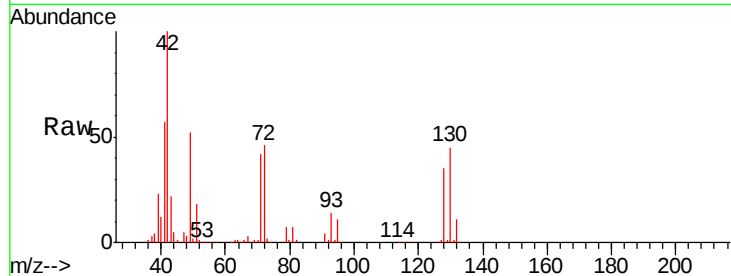


#29
Tetrahydrofuran
Concen: 245.591 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

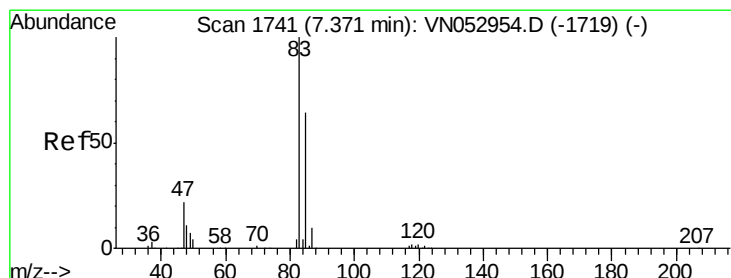
Tgt Ion: 42 Resp: 654174
Ion Ratio Lower Upper
42 100
72 45.0 34.7 52.1
71 42.2 32.3 48.5

Manual Integrations
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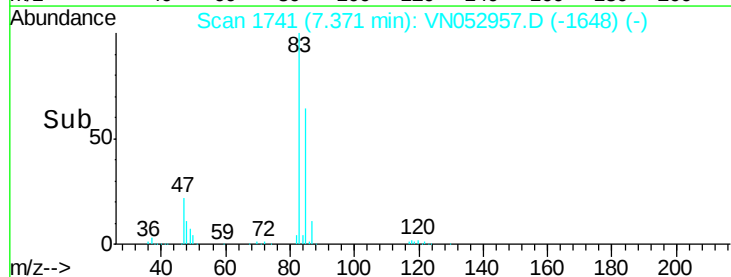
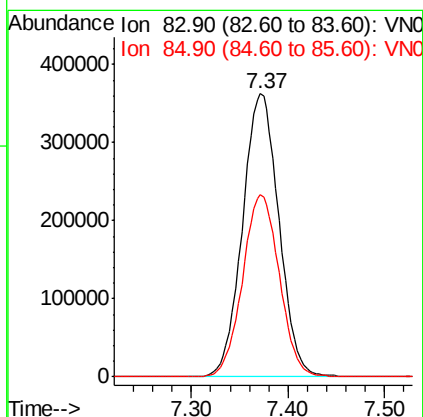
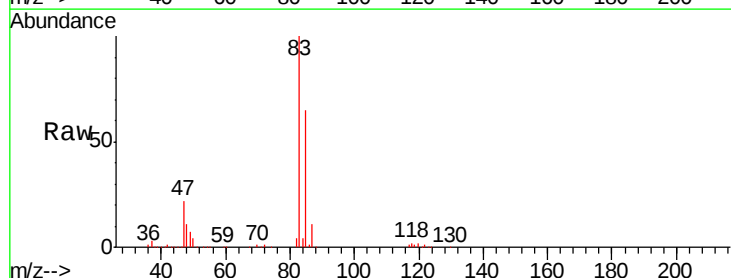
MMDadoda

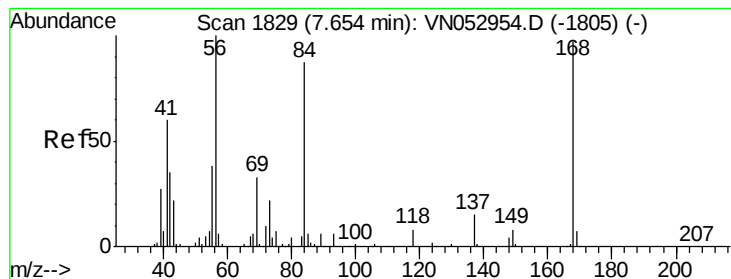
12/19/2018 12:06:36 PM



#30
Chloroform
Concen: 48.260 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 83 Resp: 948177
Ion Ratio Lower Upper
83 100
85 64.6 52.1 78.1





#31

Cyclohexane

Concen: 50.442 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

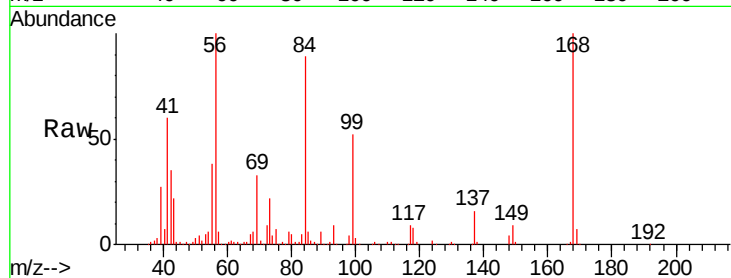
MSVOA_N

ClientSampled :

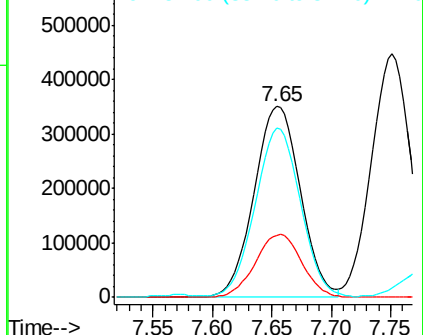
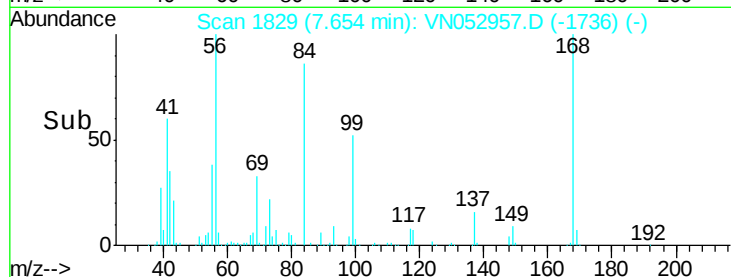
ICVFN121818

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.6	39.8
84	87.5	68.4	102.6

Manual Integrations
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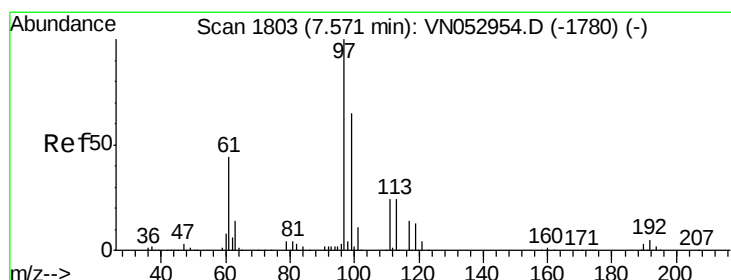


Abundance Ion 56.00 (55.70 to 56.70): VN052957.D (-1736) (-)



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#32

1,1,1-Trichloroethane

Concen: 48.286 ug/l

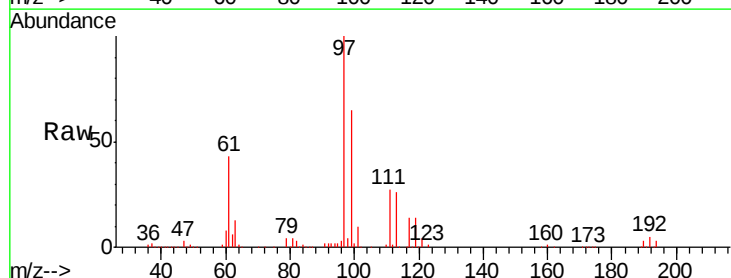
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

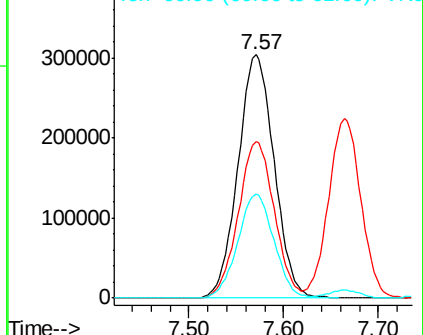
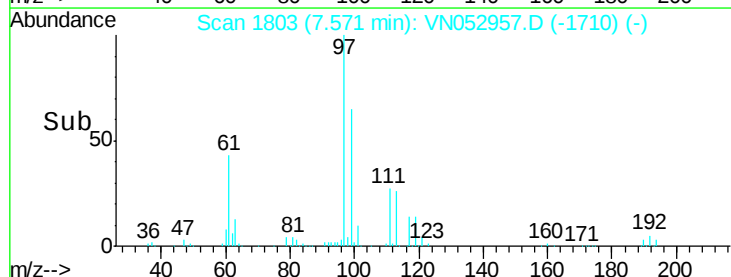
Lab File: VN052957.D

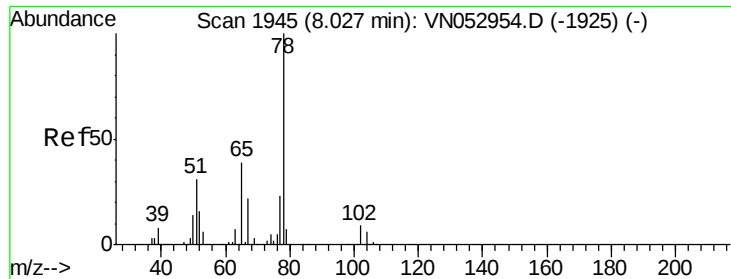
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	42.7	35.0	52.6



Abundance Ion 96.90 (96.60 to 97.60): VN052957.D (-1710) (-)



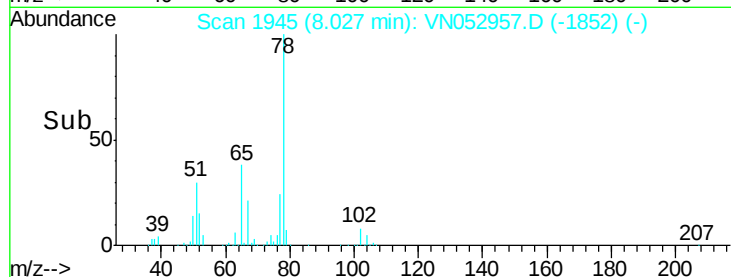
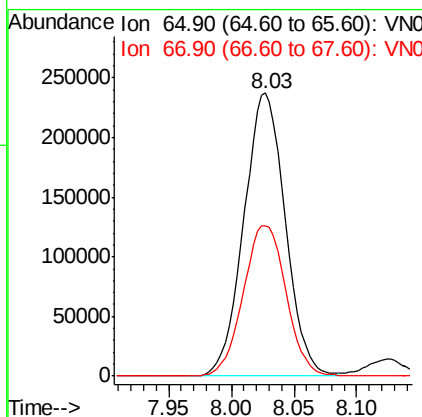
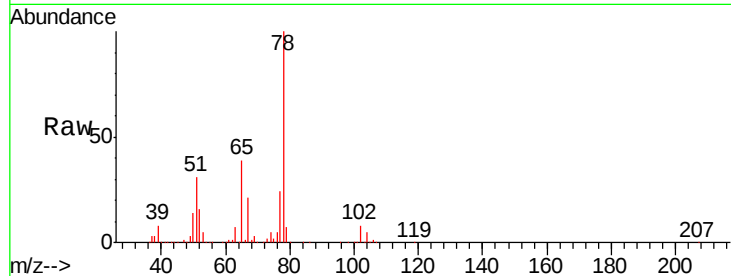


#33
 1,2-Dichloroethane-d4
 Concen: 48.286 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

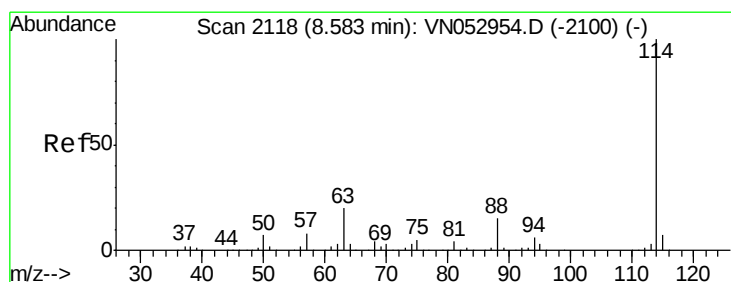
Tgt Ion: 65 Resp: 545909
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

Manual Integrations
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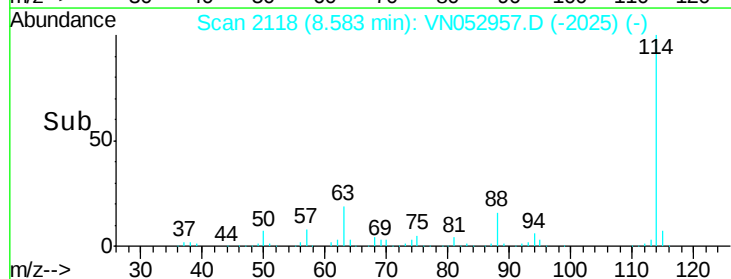
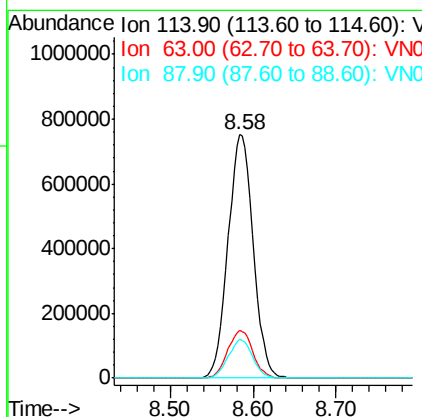
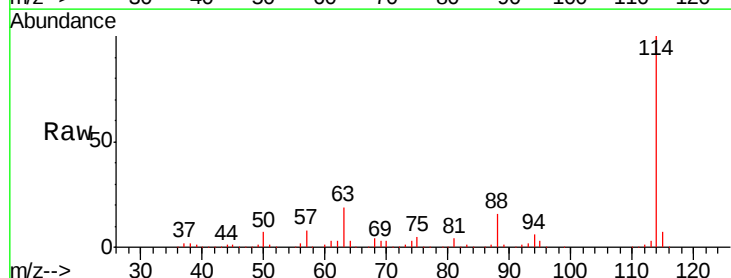
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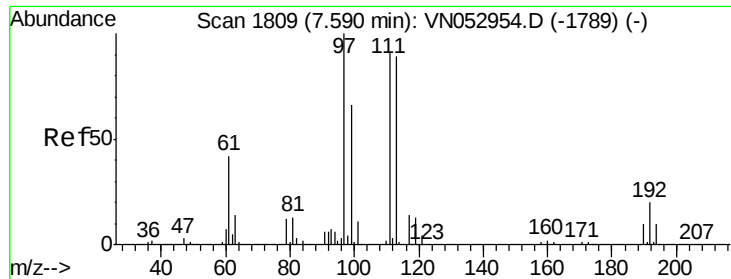
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion: 114 Resp: 1589984
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.7 0.0 31.0



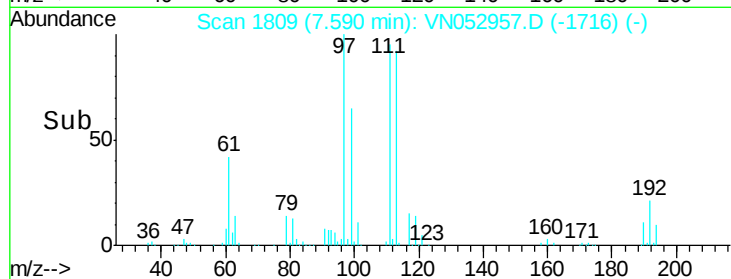
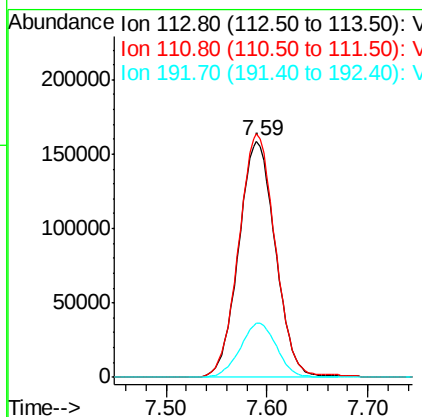
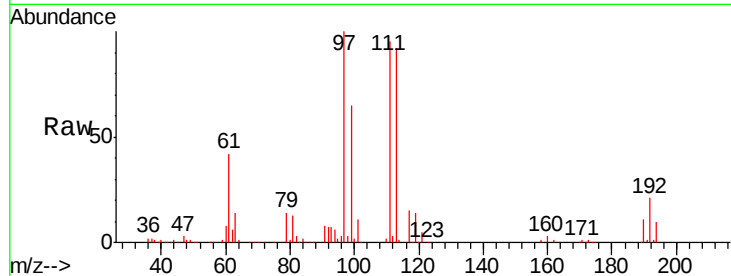


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

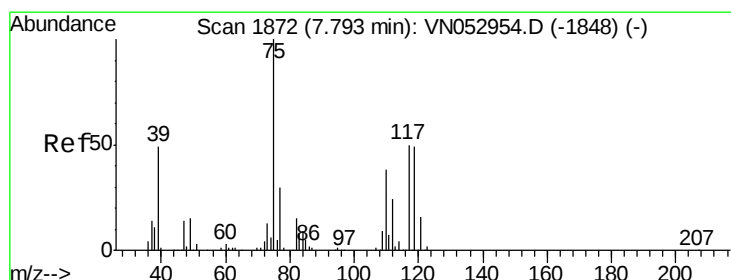
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	399657		
111	103.3	83.0	124.4	
192	22.8	17.5	26.3	

Manual Integrations
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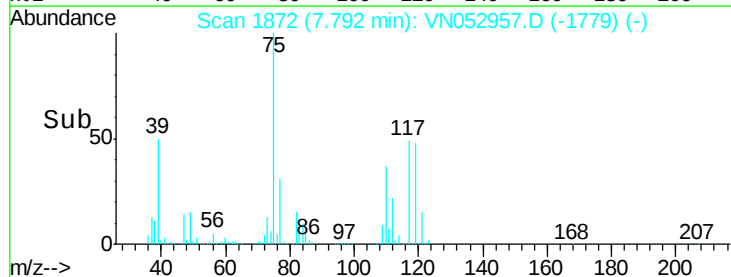
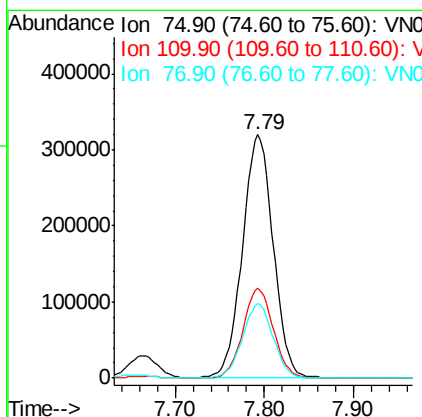
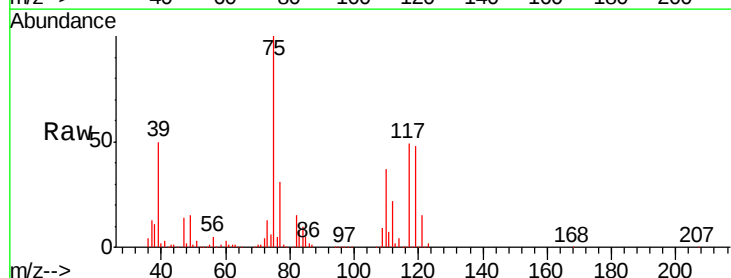
MMDadoda

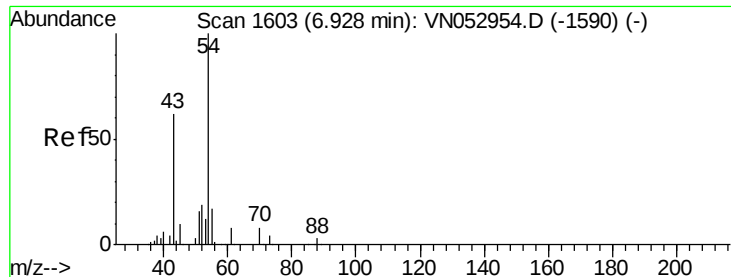
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#36
1,1-Dichloropropene
Concen: 49.909 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	761667		
110	36.5	18.2	54.6	
77	30.8	24.9	37.3	



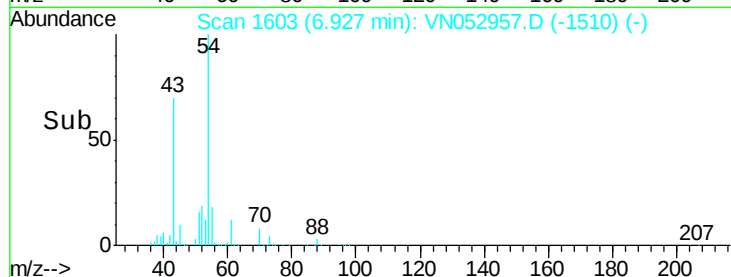
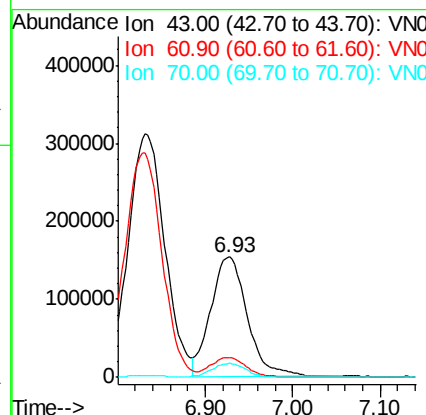
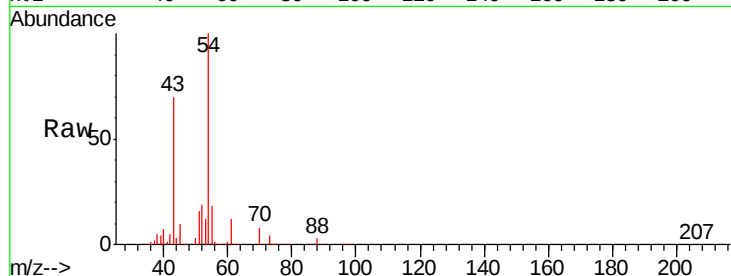


#37
Ethyl Acetate
Concen: 52.246 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

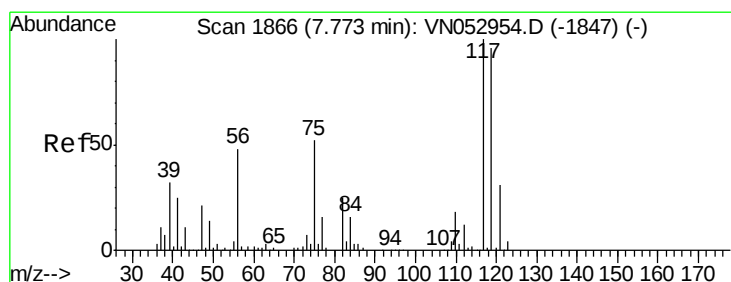
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	11.1	8.4	12.6

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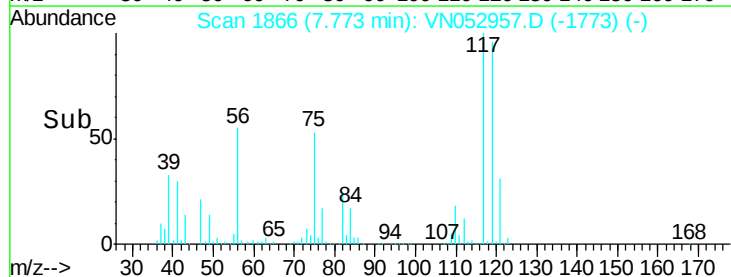
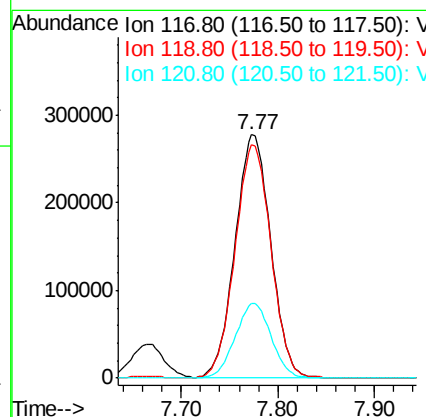
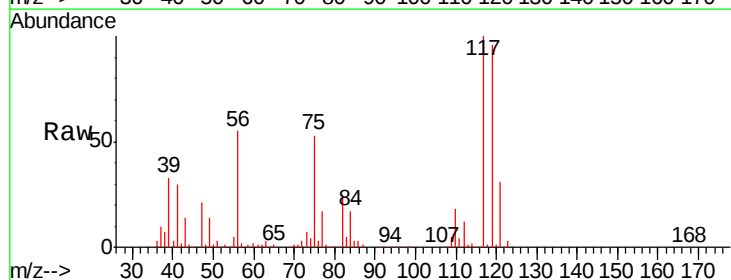
MMDadoda

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#38
Carbon Tetrachloride
Concen: 50.742 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
121	30.6	24.9	37.3



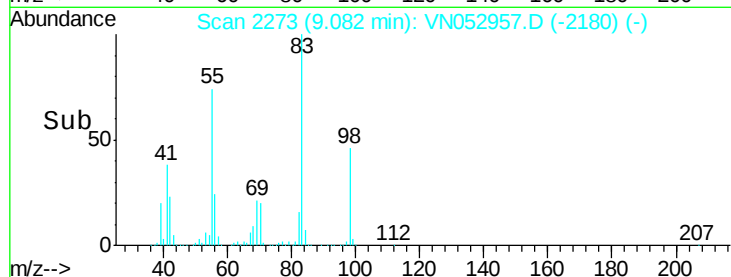
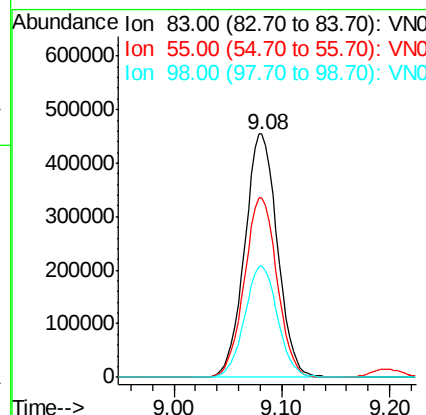
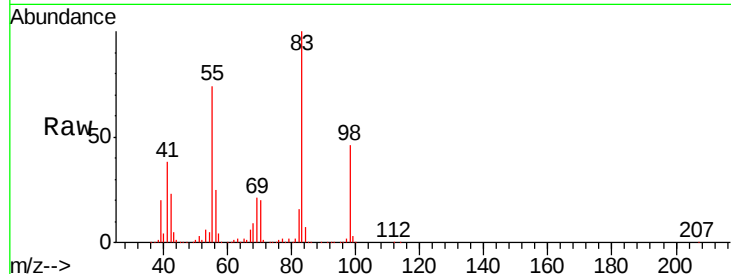


#39
Methylcyclohexane
Concen: 51.693 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

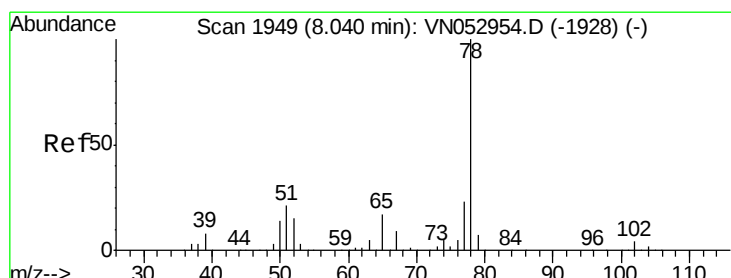
Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.3	91.9
98	46.0	37.0	55.4

Manual Integrations
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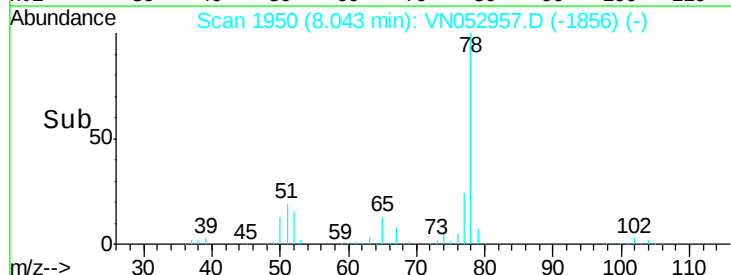
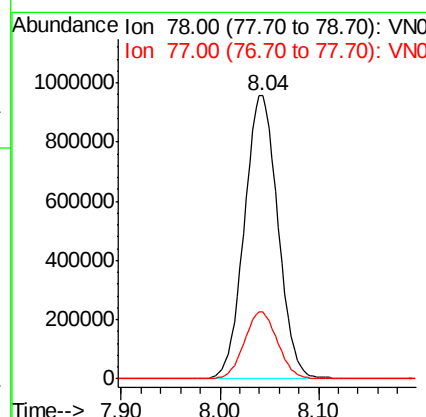
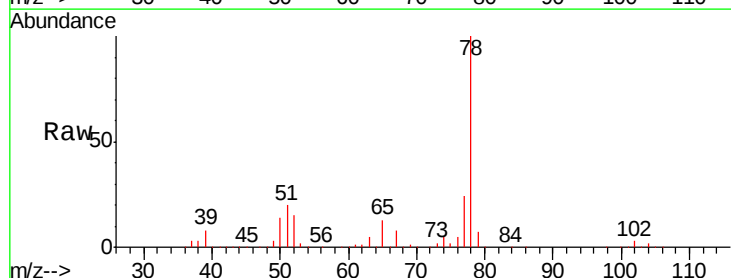
MMDadoda

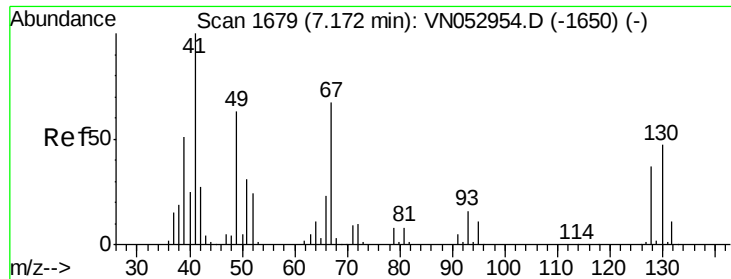
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#40
Benzene
Concen: 49.614 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7



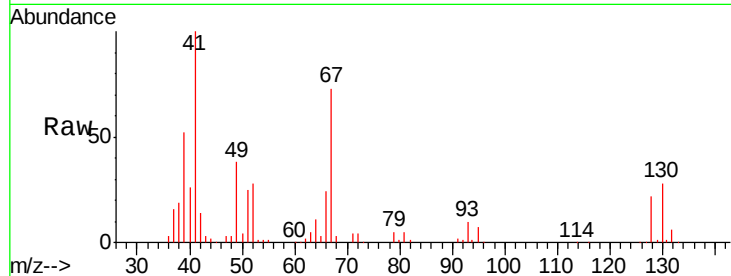


#41
Methacrylonitrile
Concen: 46.632 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

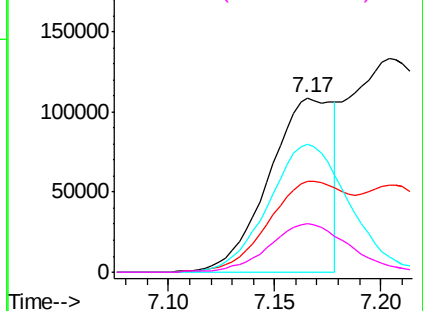
Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.6	48.0	72.0	
67	92.7	70.3	105.5	
52	35.0	26.9	40.3	

Manual Integrations
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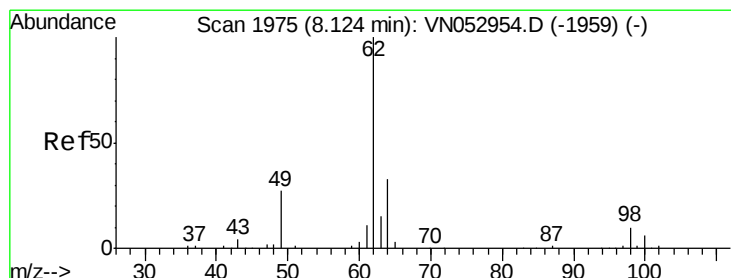
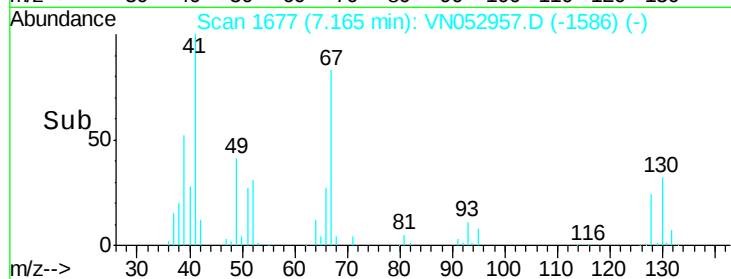


Abundance Ion 41.00 (40.70 to 41.70): VN052957.D (-1586) (-)
Ion 39.00 (38.70 to 39.70): VN052957.D (-1586) (-)
Ion 67.00 (66.70 to 67.70): VN052957.D (-1586) (-)
Ion 52.00 (51.70 to 52.70): VN052957.D (-1586) (-)



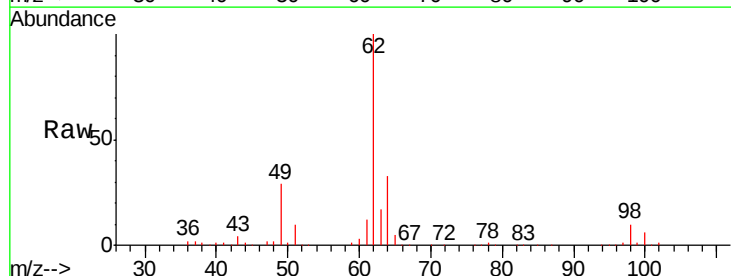
MMDadoda

12/19/2018 12:06:36 PM

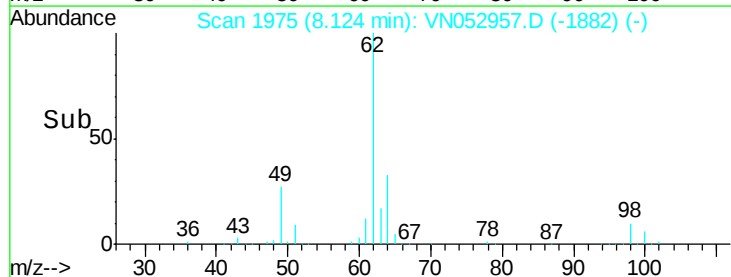
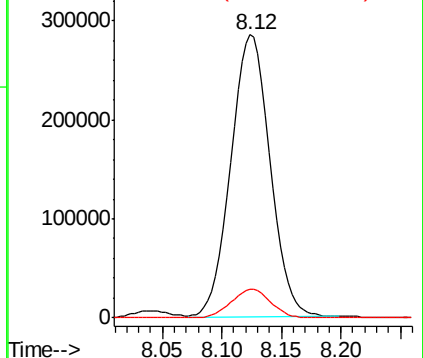


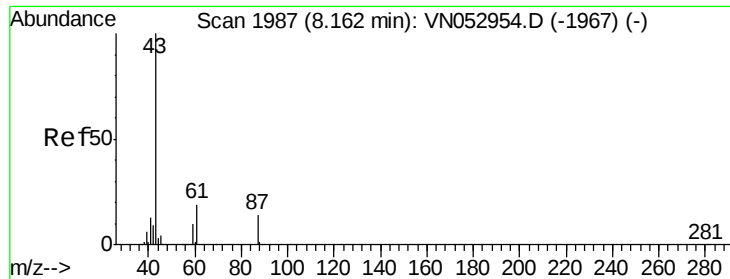
#42
1,2-Dichloroethane
Concen: 48.659 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VN052957.D (-1882) (-)
Ion 97.90 (97.60 to 98.60): VN052957.D (-1882) (-)



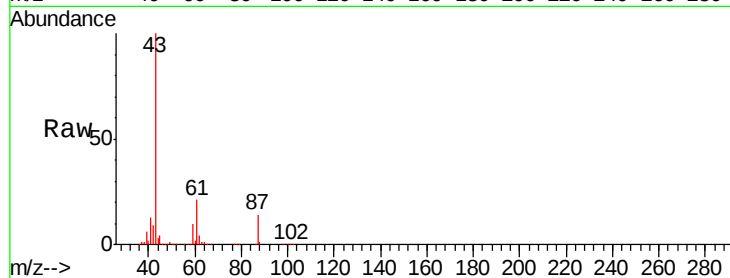


#43
Isopropyl Acetate
Concen: 51.019 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

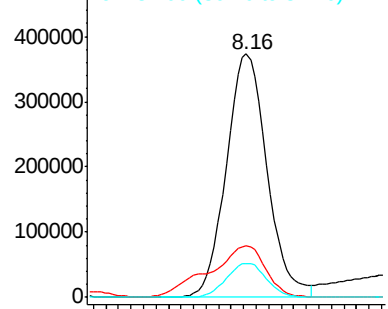
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.9	10.6	15.8

Manual Integrations
APPROVED

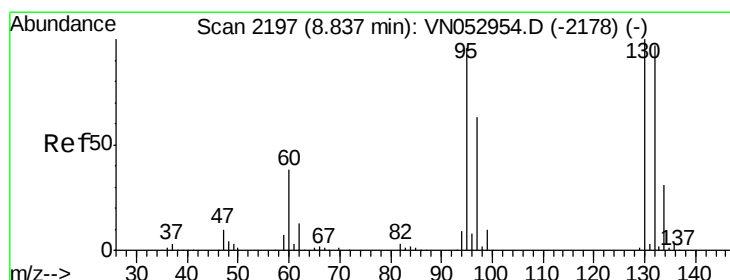
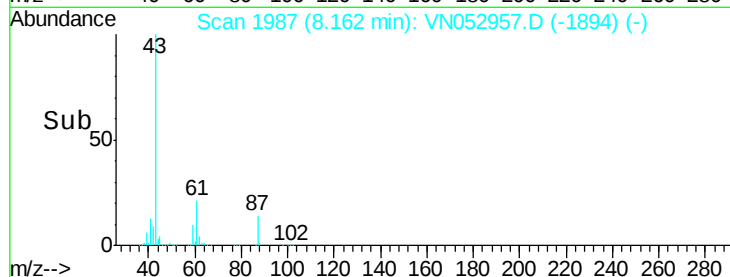


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



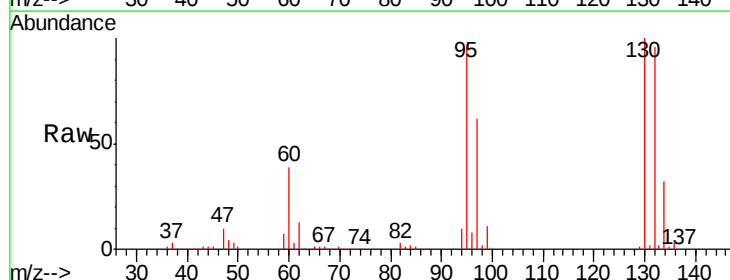
MMDadoda

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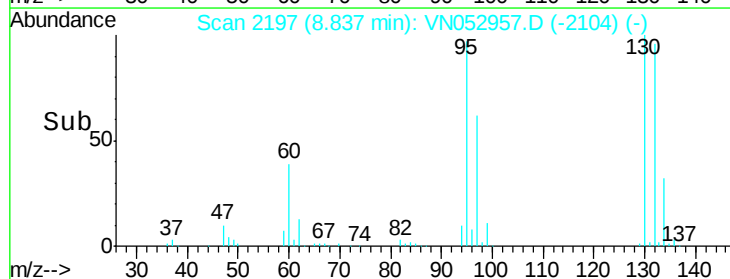
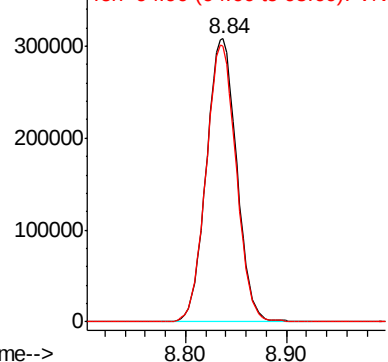


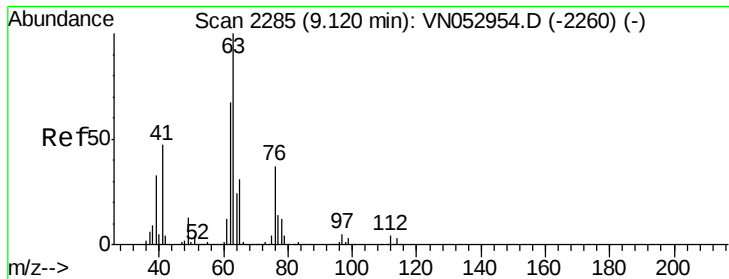
#44
Trichloroethene
Concen: 48.882 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 50.403 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVFN121818

Tgt Ion: 63 Resp: 595950

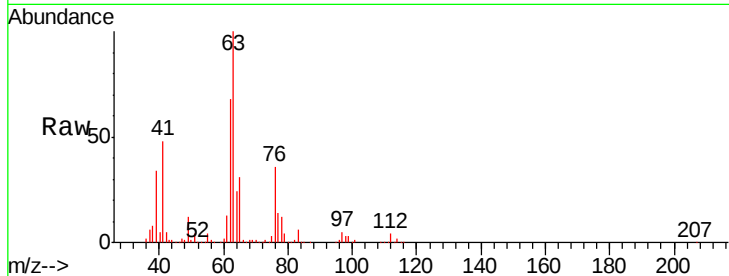
Ion Ratio Lower Upper

63 100

65 31.3 24.6 37.0

Manual Integrations

APPROVED



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

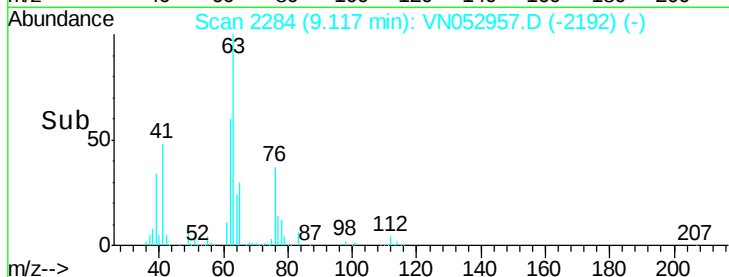
300000

200000

100000

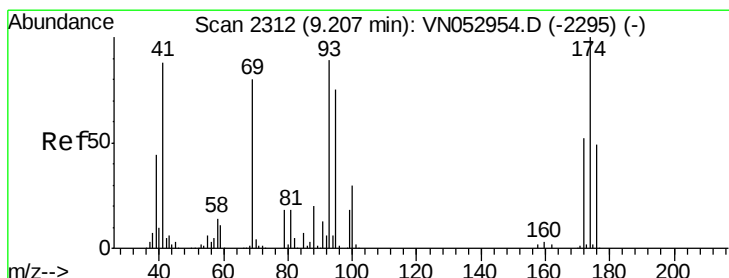
0

Time-->



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#46

Dibromomethane

Concen: 49.465 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

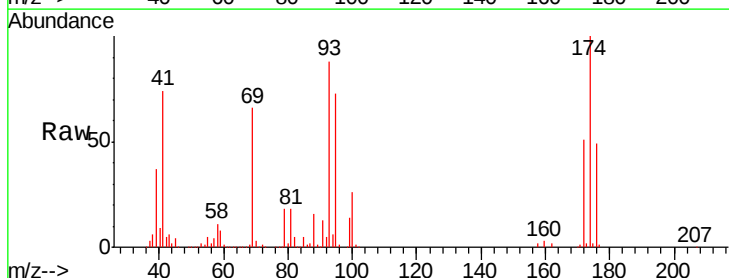
Tgt Ion: 93 Resp: 340706

Ion Ratio Lower Upper

93 100

95 84.0 67.8 101.6

174 114.7 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

250000

200000

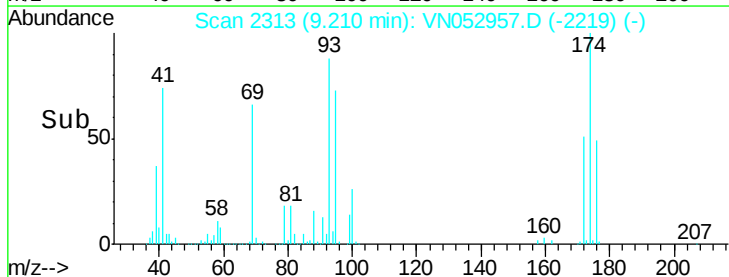
150000

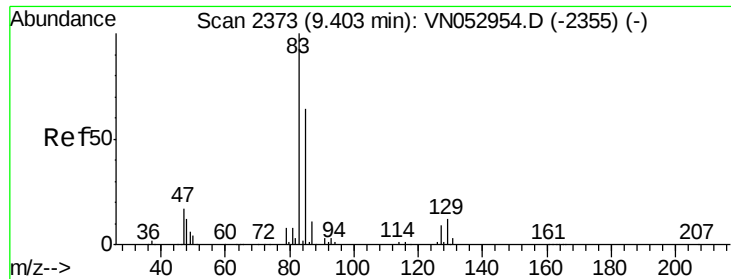
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.986 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

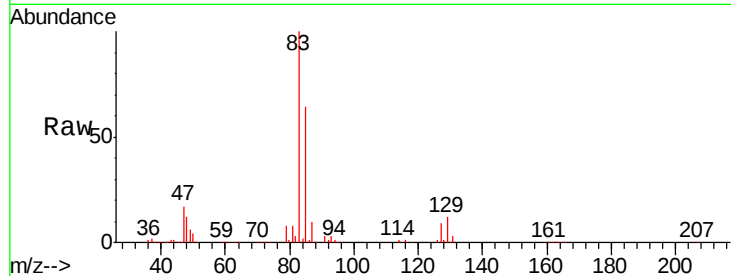
MSVOA_N

ClientSampled :

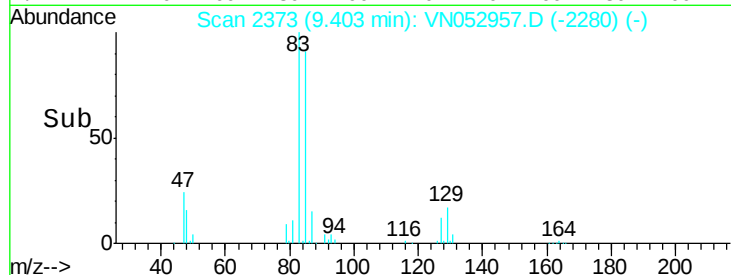
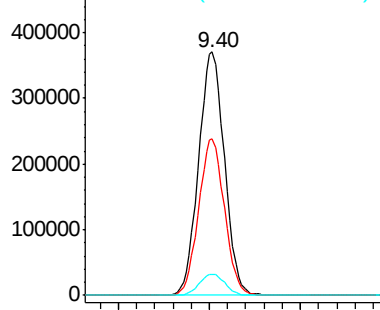
ICV VN121818

Tgt Ion:	83	Resp:	731862
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	8.6	7.1	10.7

Manual Integrations
APPROVED

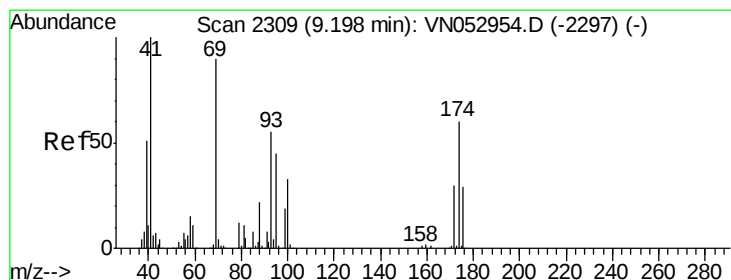


Abundance Ion 82.90 (82.60 to 83.60): VN052957.D (-2280) (-)



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#48

Methyl methacrylate

Concen: 50.240 ug/l

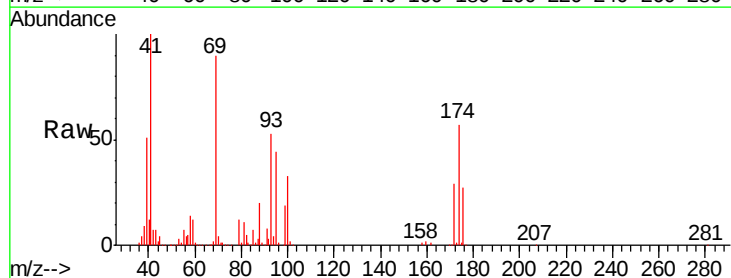
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

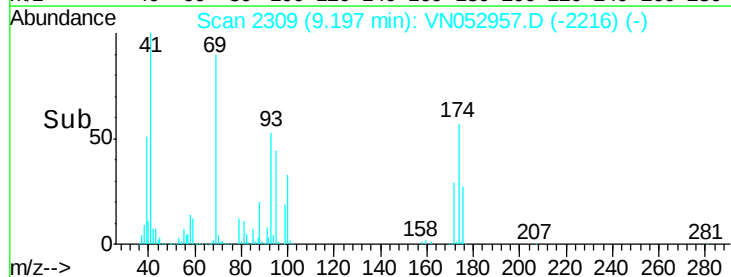
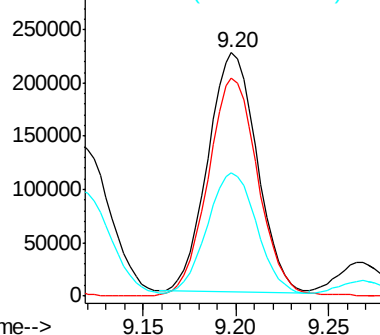
Lab File: VN052957.D

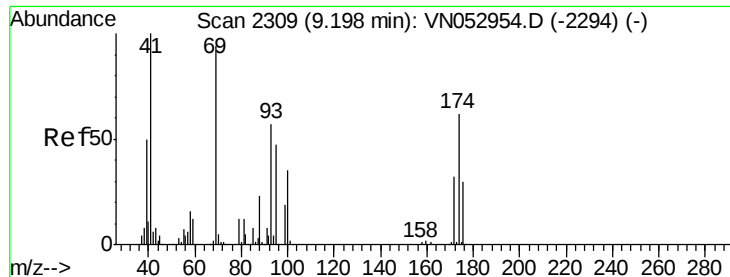
Acq: 18 Dec 2018 13:16

Tgt Ion:	41	Resp:	415336
Ion Ratio	Lower	Upper	
41	100		
69	92.7	72.2	108.2
39	53.4	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052957.D (-2216) (-)



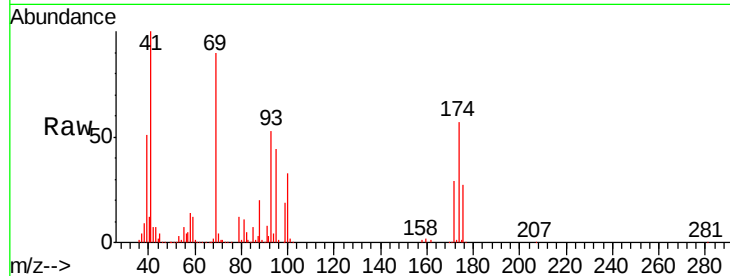


#49
1,4-Dioxane
Concen: 896.861 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

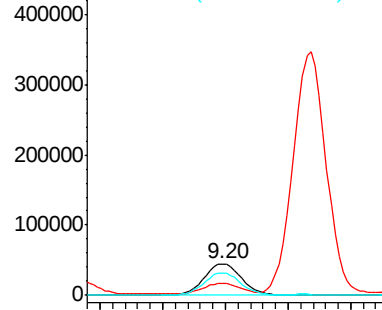
Instrument :
MSVOA_N
ClientSampleId :
ICVVN121818

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	40.0
58	70.1	58.4	87.6

Manual Integrations
APPROVED

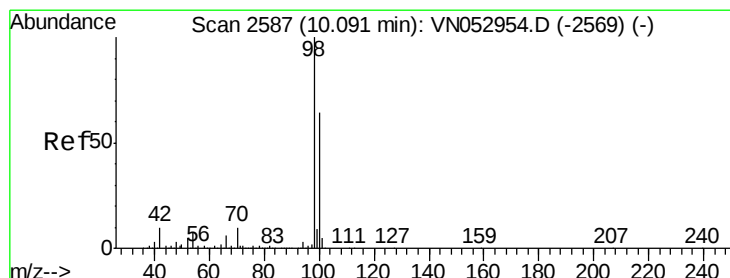
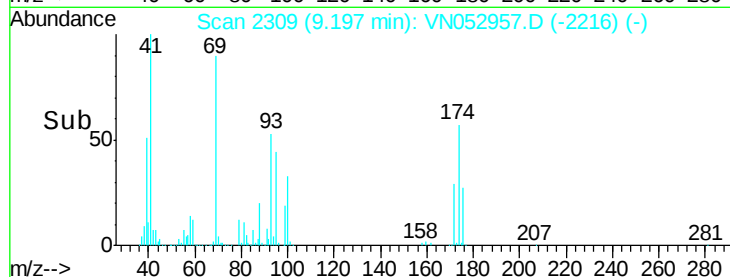


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



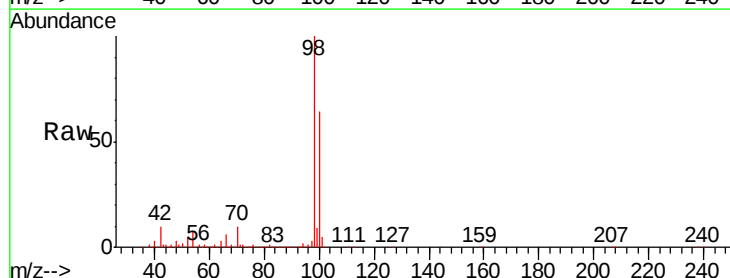
MMDadoda

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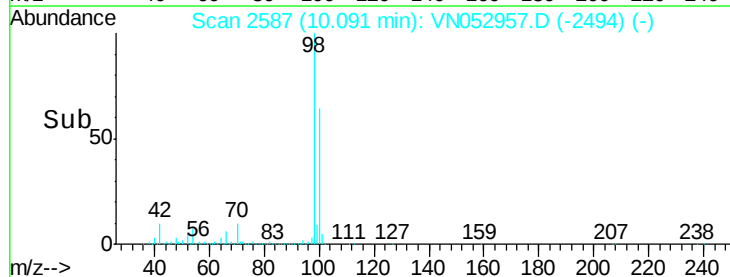
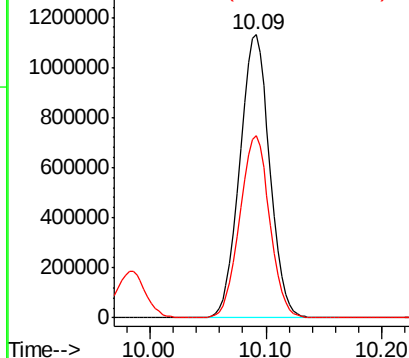


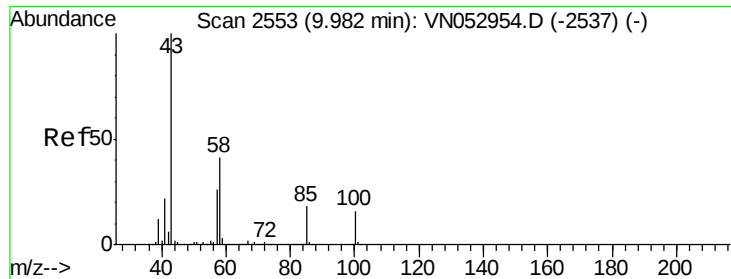
#50
Toluene-d8
Concen: 896.861 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



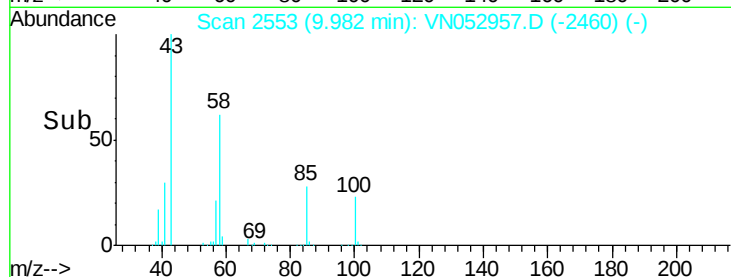
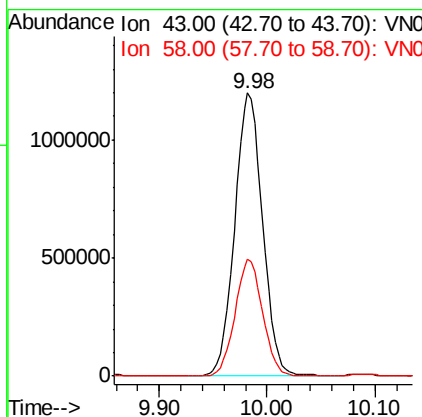
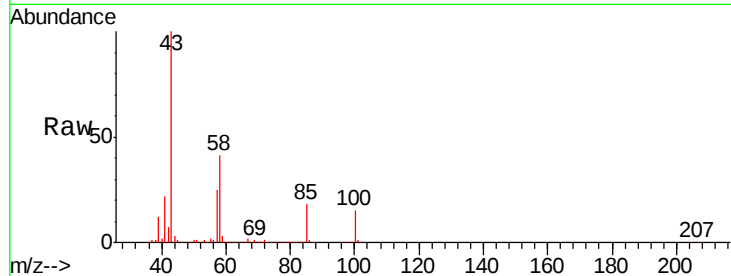


#51
4-Methyl-2-Pentanone
Concen: 260.509 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

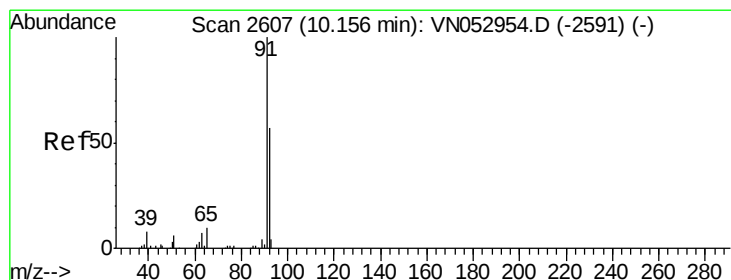
Tgt Ion: 43 Resp: 2149316
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4

Manual Integrations
APPROVED



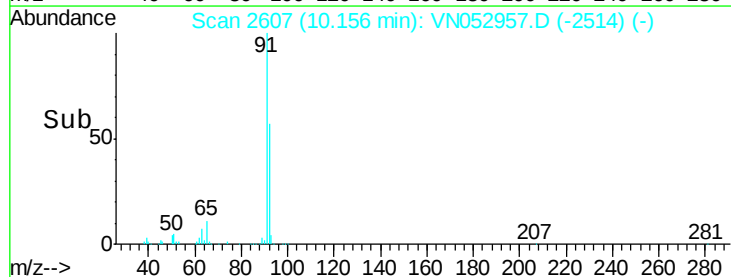
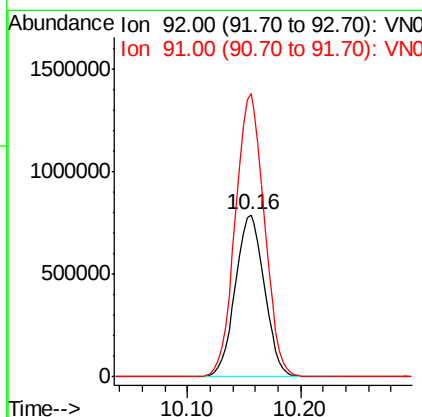
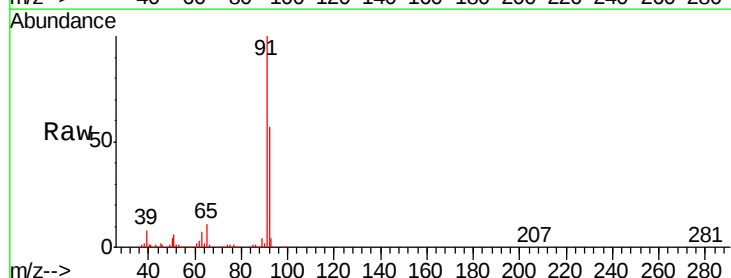
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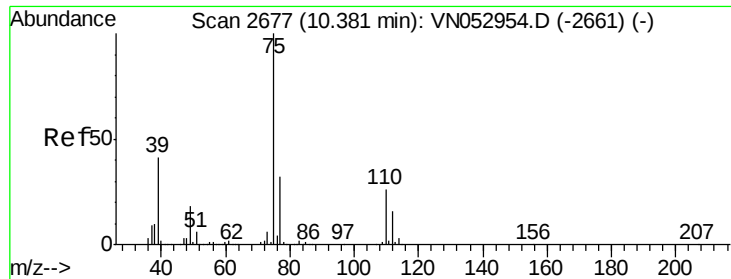
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#52
Toluene
Concen: 50.359 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 92 Resp: 1416921
Ion Ratio Lower Upper
92 100
91 174.5 139.8 209.6



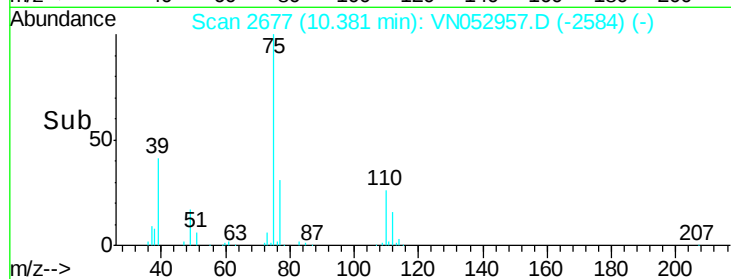
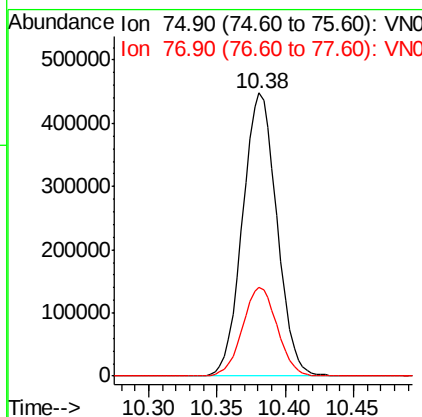
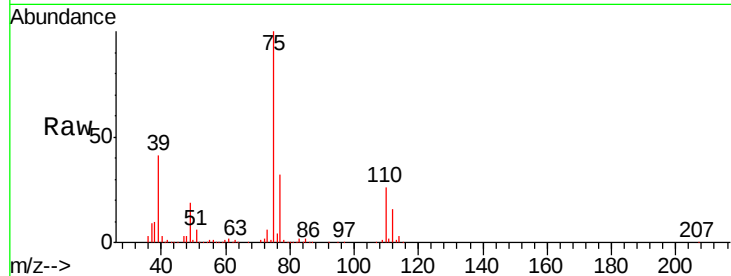


#53
t-1,3-Dichloropropene
Concen: 50.823 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

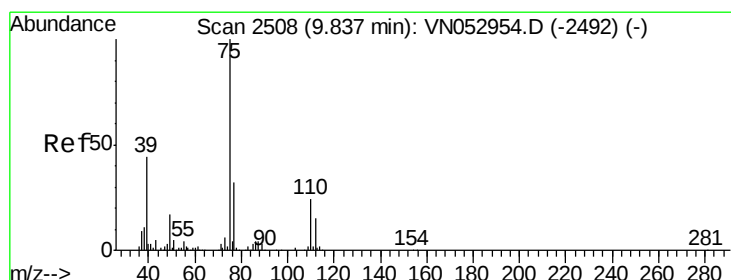
Tgt Ion: 75 Resp: 782467
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

Manual Integrations
APPROVED



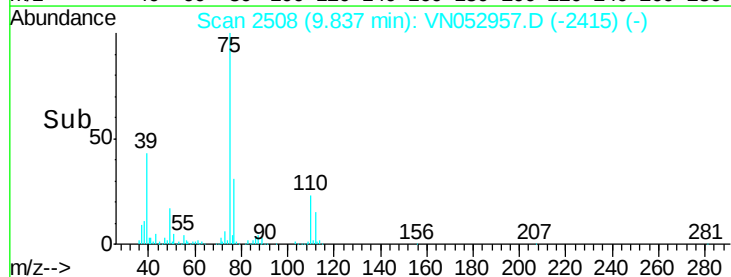
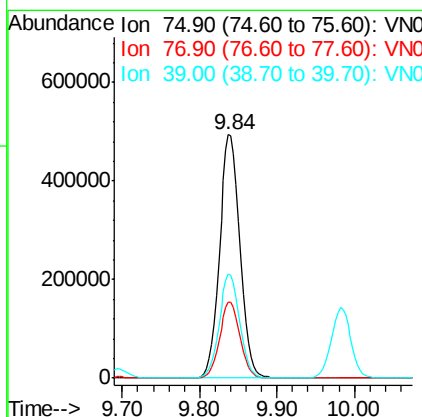
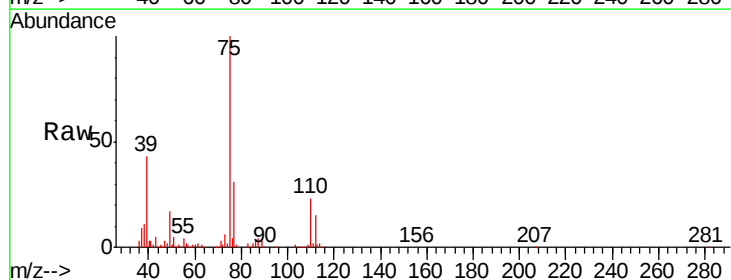
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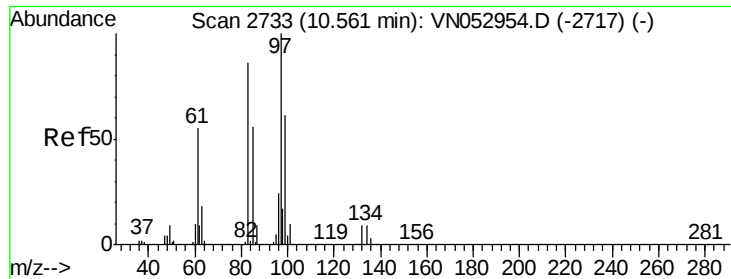
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#54
cis-1,3-Dichloropropene
Concen: 51.524 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 75 Resp: 910539
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 42.8 34.8 52.2



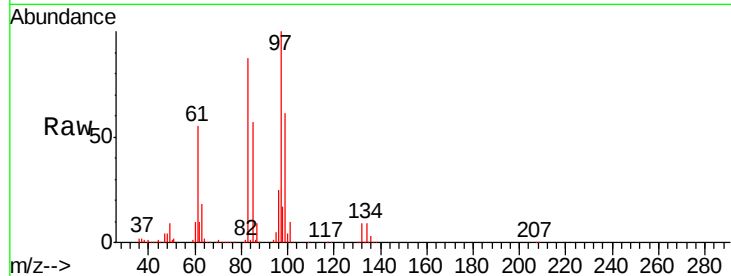


#55
 1,1,2-Trichloroethane
 Concen: 50.279 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.9	106.3
85	56.6	45.4	68.2
99	61.5	50.4	75.6

Manual Integrations
 APPROVED

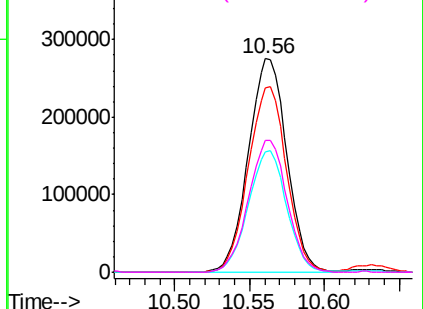


Abundance Ion 96.90 (96.60 to 97.60): VN052957.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN052957.D (-2640) (-)

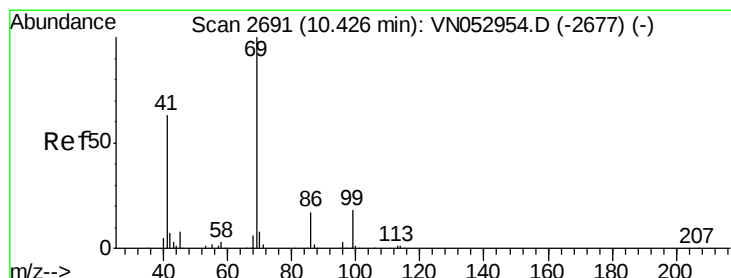
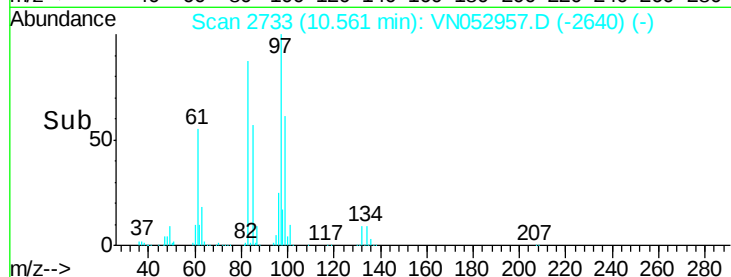
Ion 84.90 (84.60 to 85.60): VN052957.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN052957.D (-2640) (-)



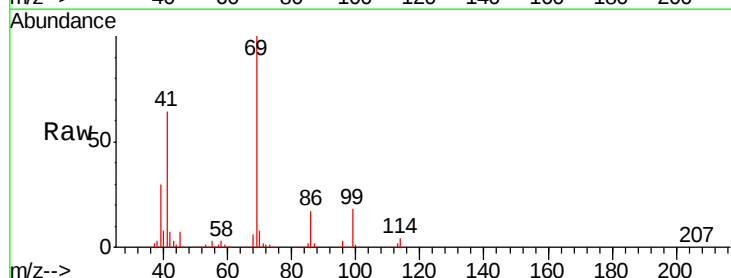
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#56
 Ethyl methacrylate
 Concen: 52.505 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

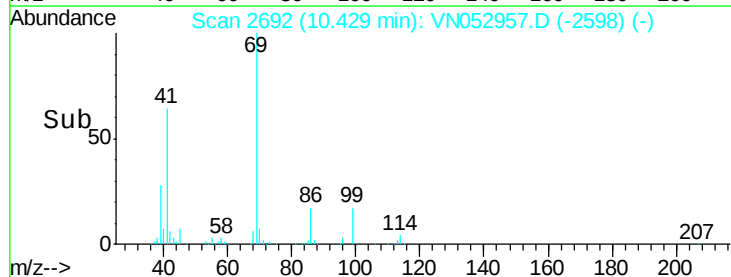
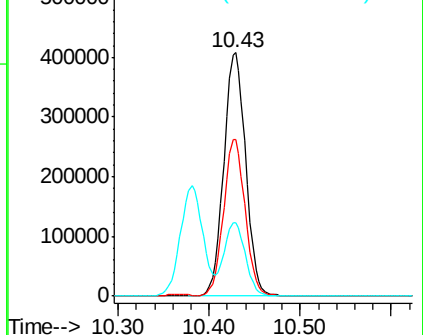
Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.7	77.5
39	29.4	24.6	37.0

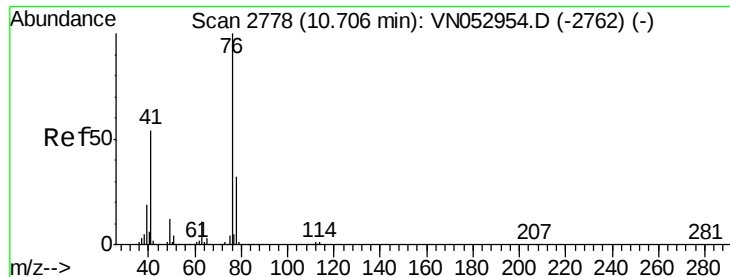


Abundance Ion 69.00 (68.70 to 69.70): VN052957.D (-2598) (-)

Ion 41.00 (40.70 to 41.70): VN052957.D (-2598) (-)

Ion 39.00 (38.70 to 39.70): VN052957.D (-2598) (-)





#57

1,3-Dichloropropane

Concen: 50.442 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVFN121818

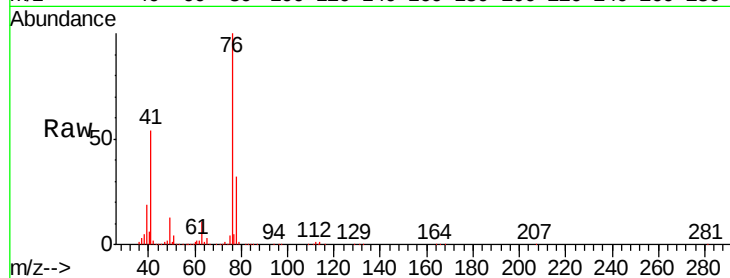
Tgt Ion: 76 Resp: 849065

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

Manual Integrations
APPROVED



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

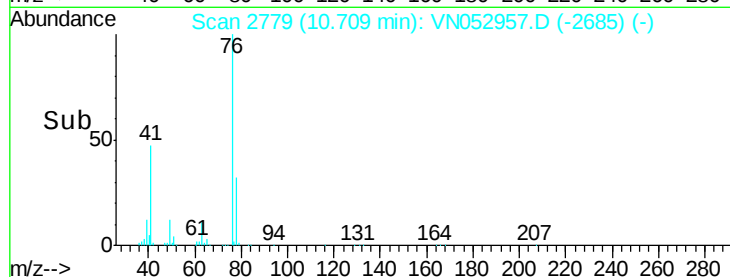
300000

200000

100000

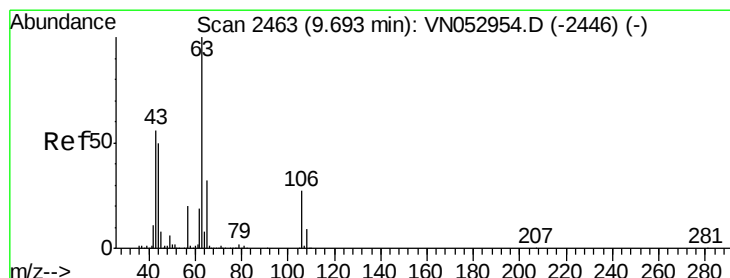
0

Time--> 10.60 10.70 10.80



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#58

2-Chloroethyl Vinyl ether

Concen: 259.599 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052957.D

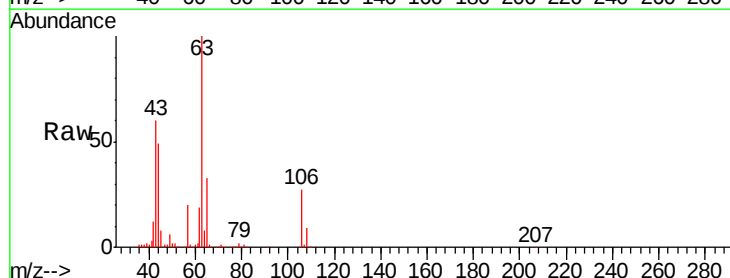
Acq: 18 Dec 2018 13:16

Tgt Ion: 63 Resp: 1851643

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1200000

1000000

800000

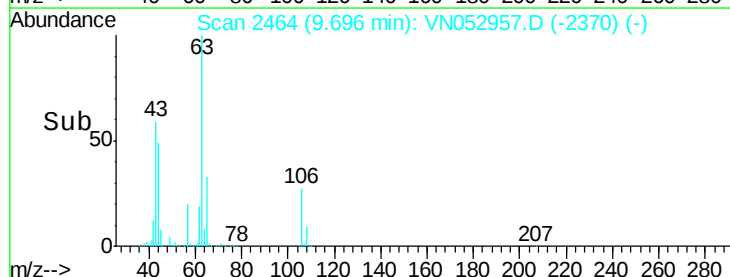
600000

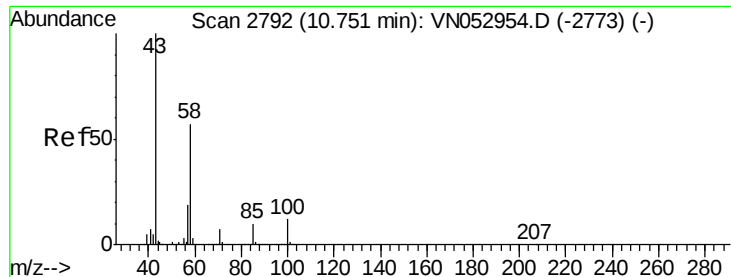
400000

200000

0

Time--> 9.60 9.70 9.80



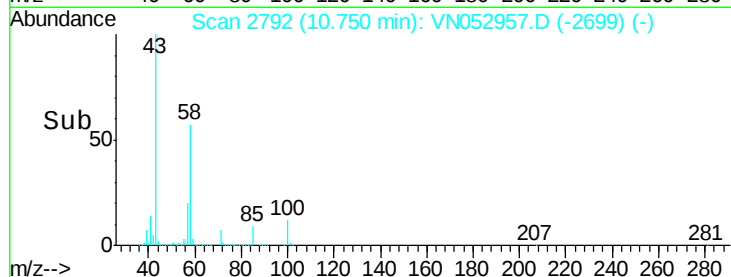
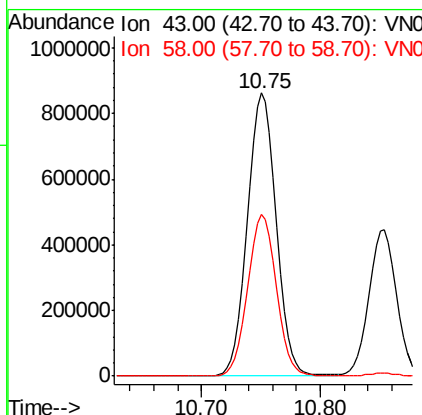
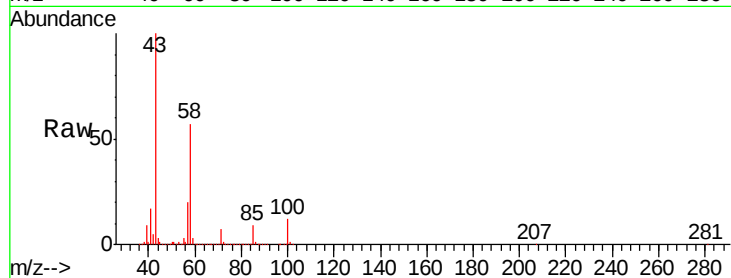


#59
2-Hexanone
Concen: 258.753 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

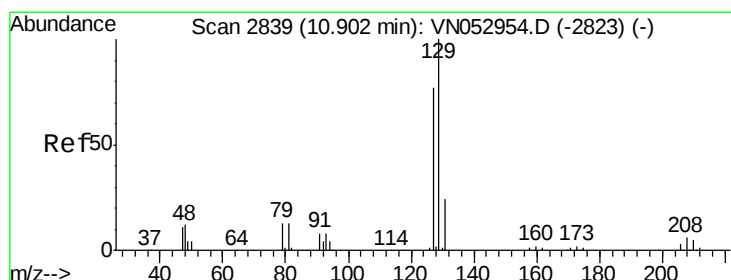
Tgt Ion: 43 Resp: 1444391
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

Manual Integrations
APPROVED



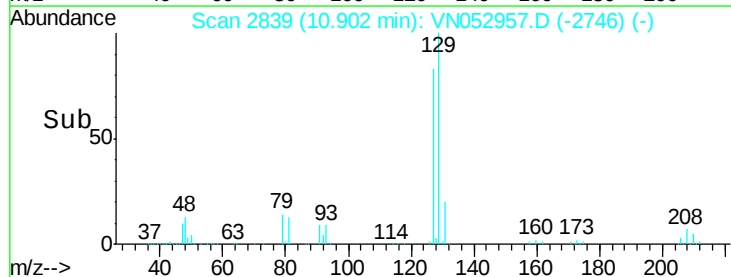
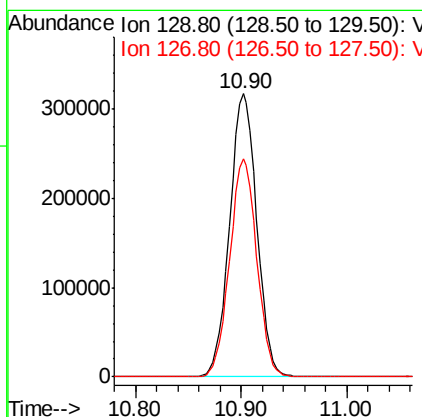
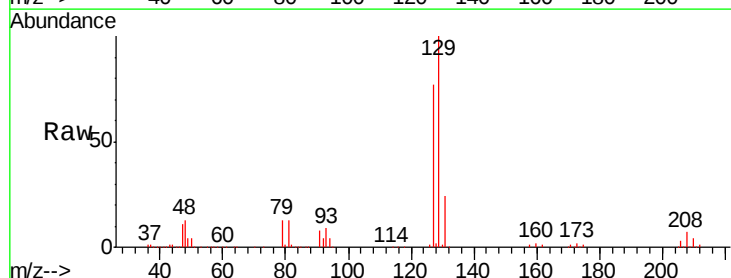
MMDadoda

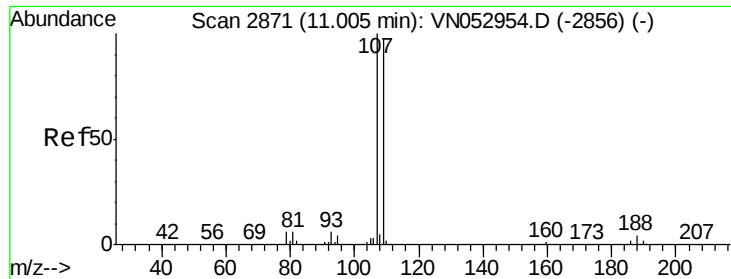
12/19/2018 12:06:36 PM



#60
Dibromochloromethane
Concen: 50.219 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 129 Resp: 564257
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.335 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVVN121818

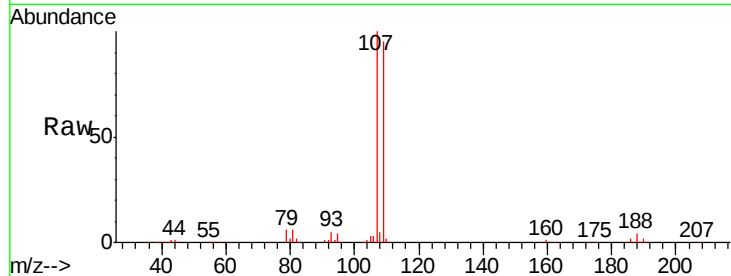
Tgt Ion: 107 Resp: 501794

Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0

Manual Integrations
APPROVED



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

300000

250000

200000

150000

100000

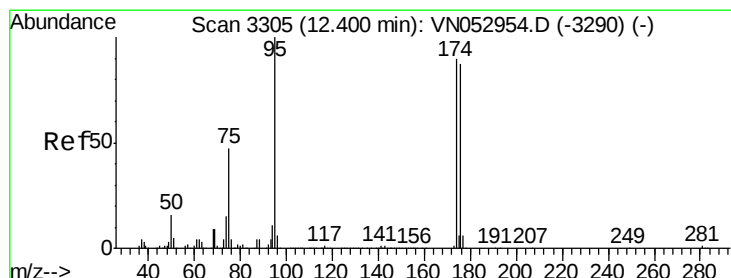
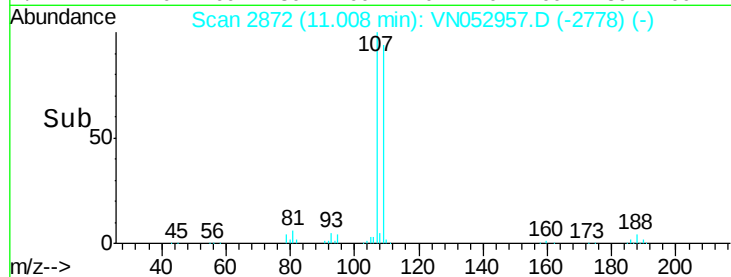
50000

0

Time--> 10.90 11.00 11.10

MMDadoda

12/19/2018 12:06:36 PM



#62

4-Bromofluorobenzene

Concen: 50.335 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

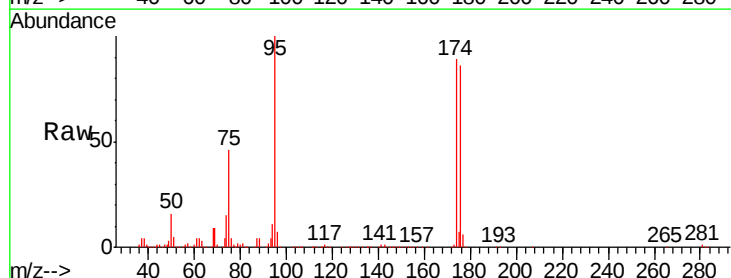
Tgt Ion: 95 Resp: 712287

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 86.9 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

500000

400000

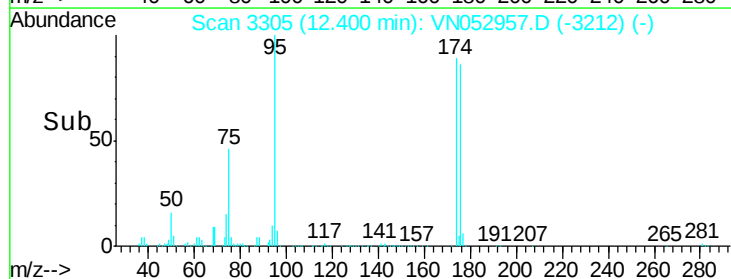
300000

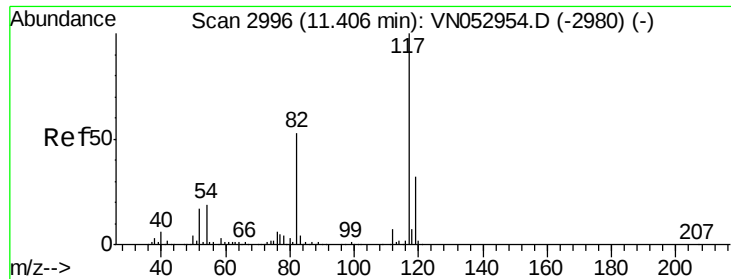
200000

100000

0

Time--> 12.35 12.40 12.45



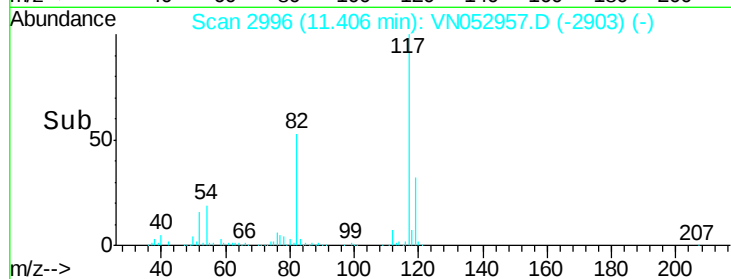
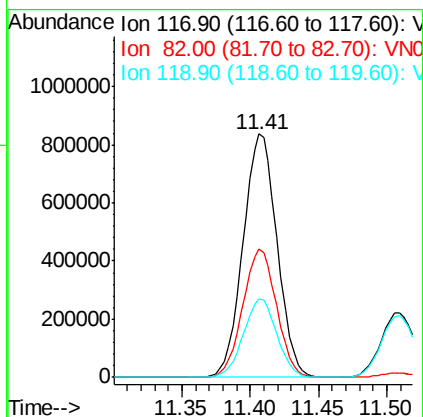
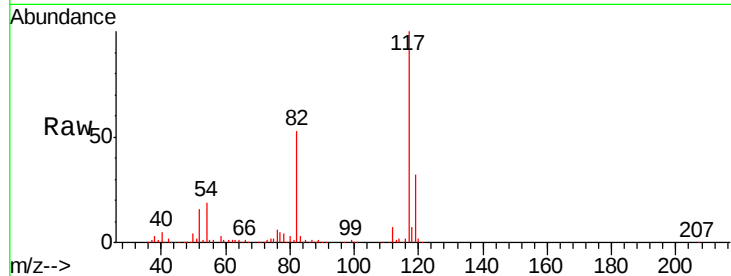


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

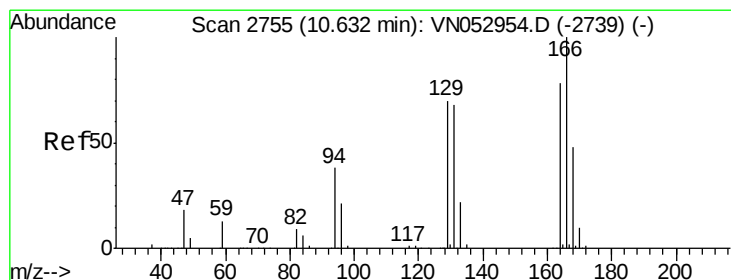
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.8	64.2
119	32.3	25.5	38.3

Manual Integrations
APPROVED



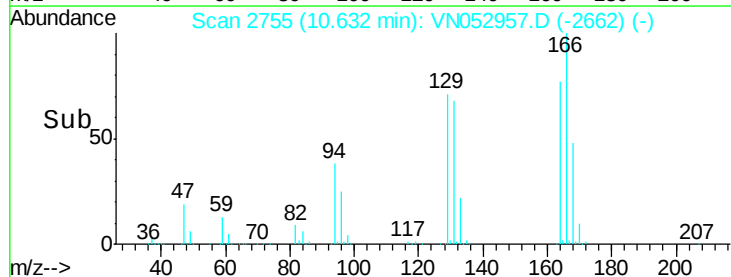
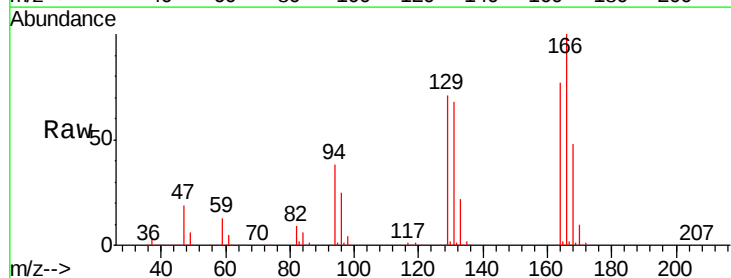
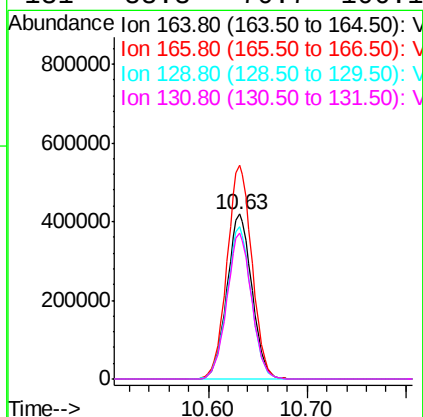
MMDadoda

12/19/2018 12:06:36 PM



#64
Tetrachloroethene
Concen: 47.428 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.9	154.3
129	92.3	73.7	110.5
131	88.3	70.7	106.1



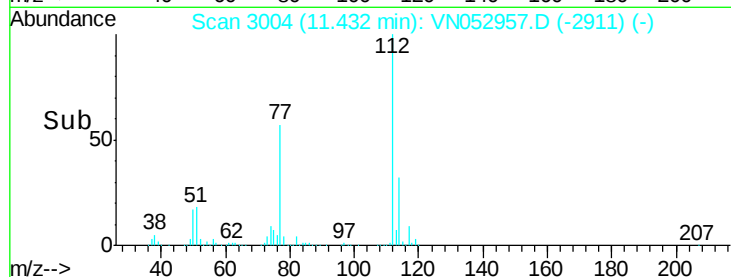
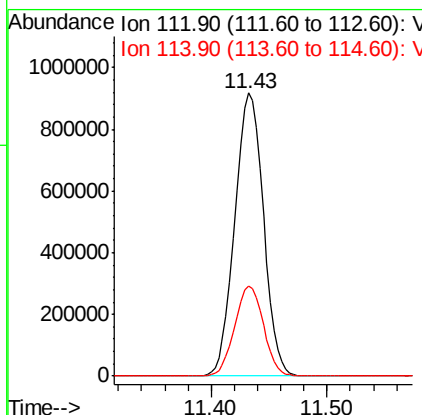
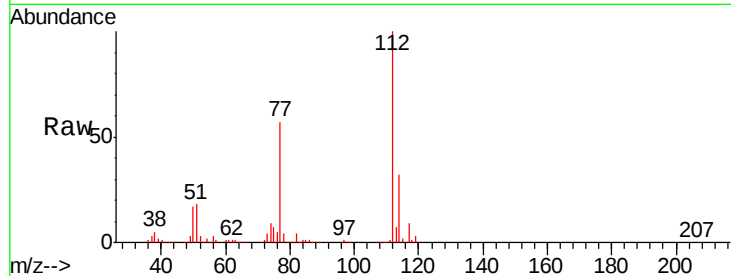


#65
Chlorobenzene
Concen: 49.085 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVFN121818

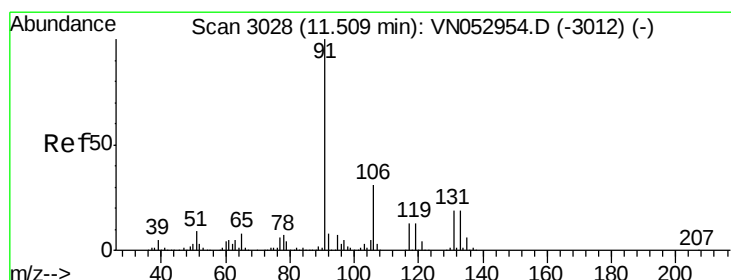
Tgt Ion:112 Resp: 1570171
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

Manual Integrations
APPROVED



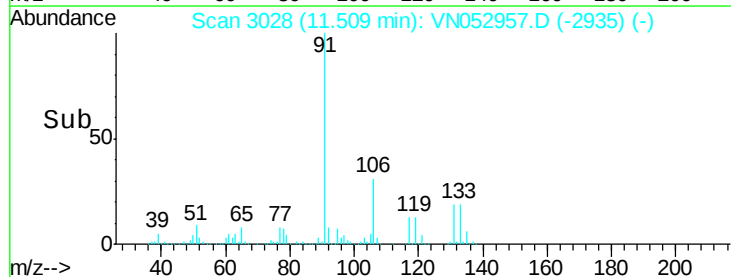
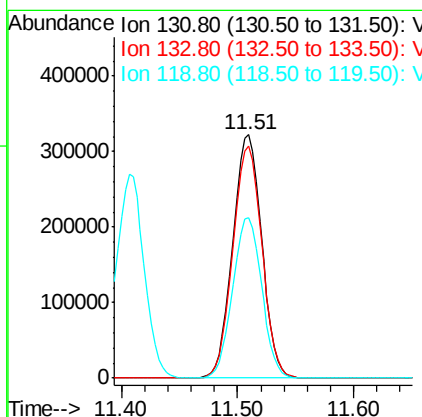
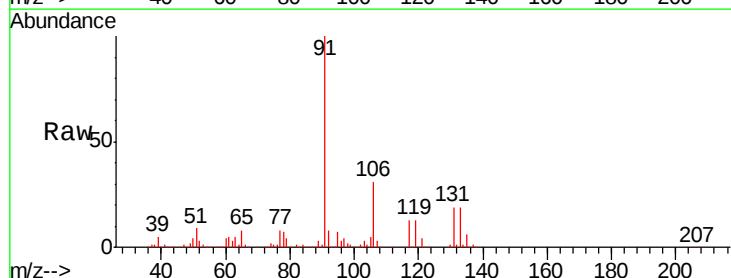
MMDadoda

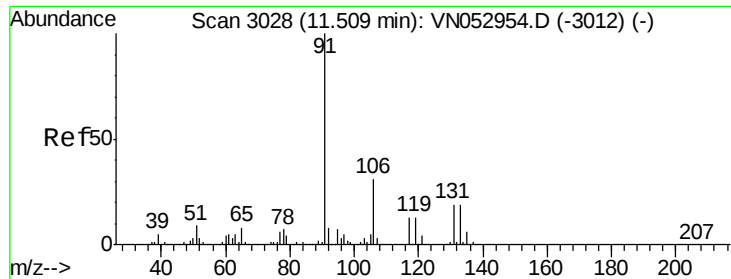
12/19/2018 12:06:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.017 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion:131 Resp: 556388
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 66.0 33.3 99.8



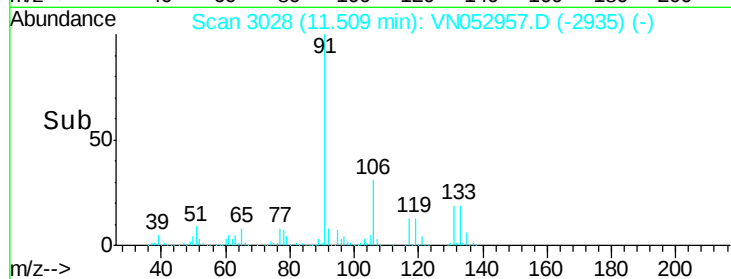
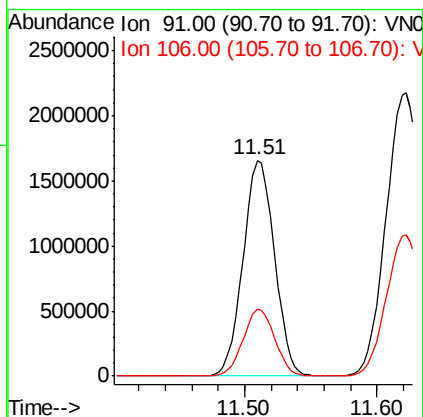
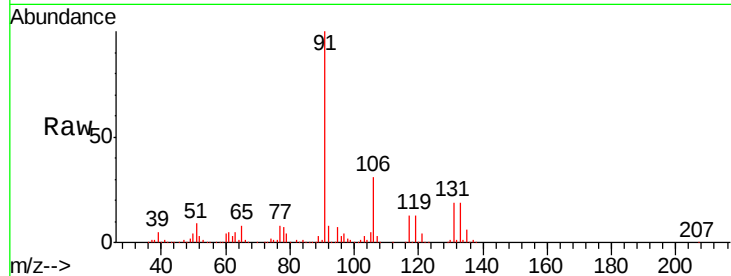


#67
Ethyl Benzene
Concen: 49.783 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

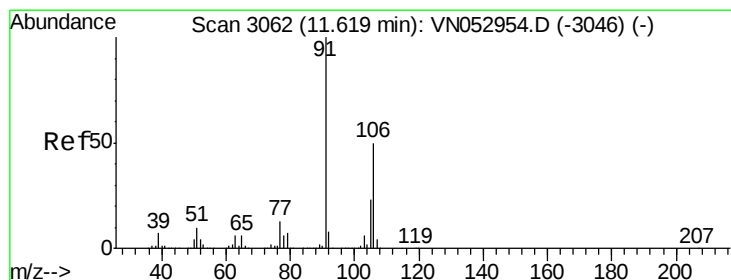
Tgt Ion: 91 Resp: 2738721
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

Manual Integrations
APPROVED



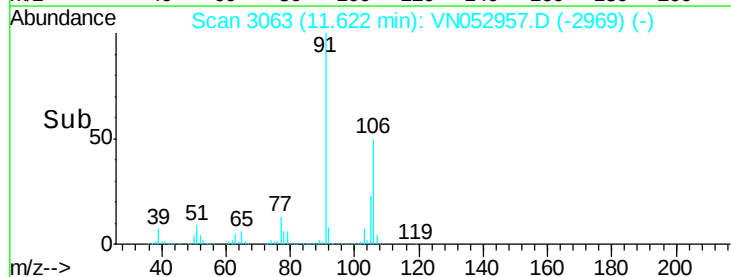
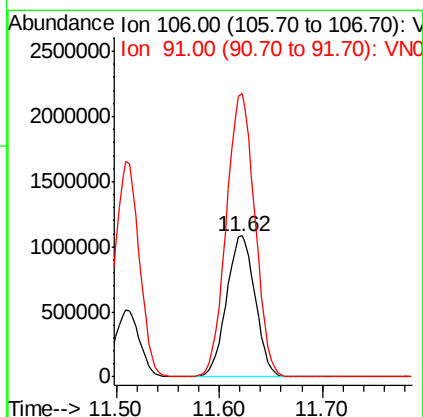
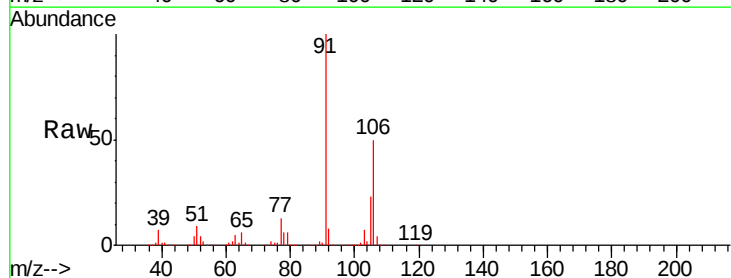
MMDadoda

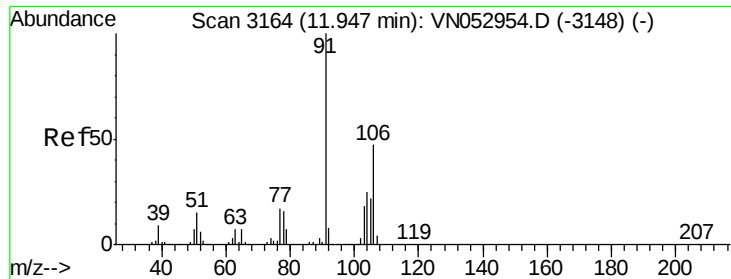
12/19/2018 12:06:36 PM



#68
m/p-Xylenes
Concen: 100.229 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 106 Resp: 2096129
Ion Ratio Lower Upper
106 100
91 200.4 162.2 243.4



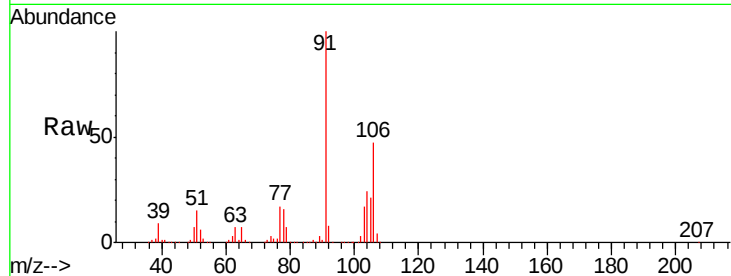


#69
o-Xylene
Concen: 50.334 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

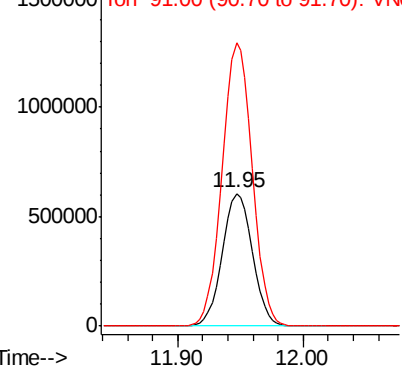
Instrument :
MSVOA_N
ClientSampled :
ICVFN121818

Tgt Ion:106 Resp: 1010106
Ion Ratio Lower Upper
106 100
91 213.5 106.6 319.8

Manual Integrations
APPROVED

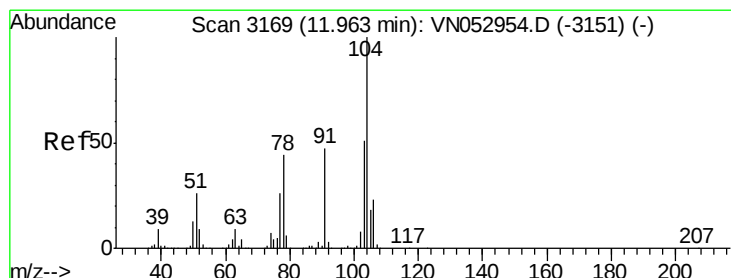
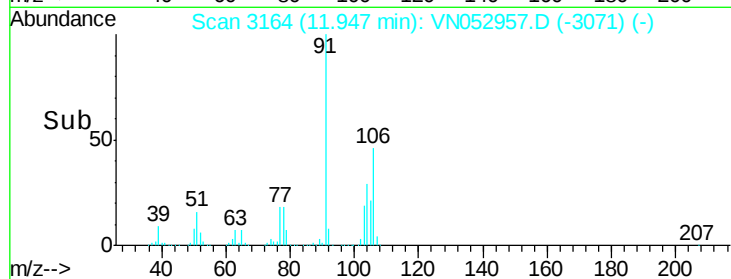


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



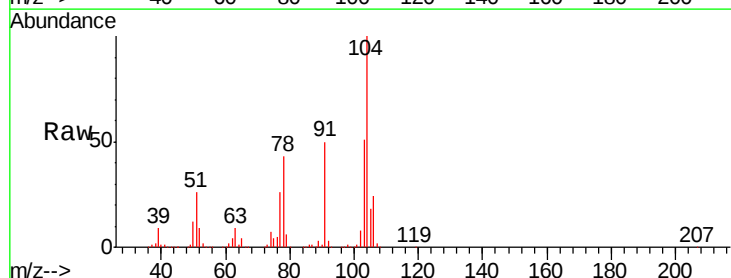
MMDadoda

12/19/2018 12:06:36 PM

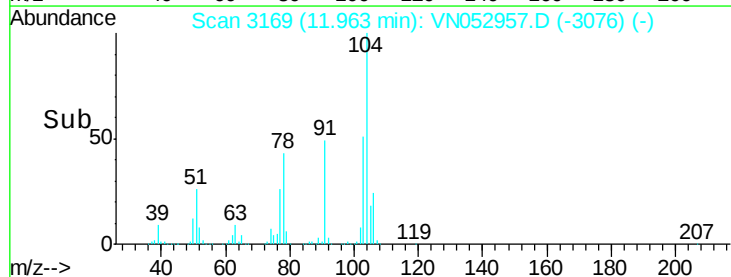
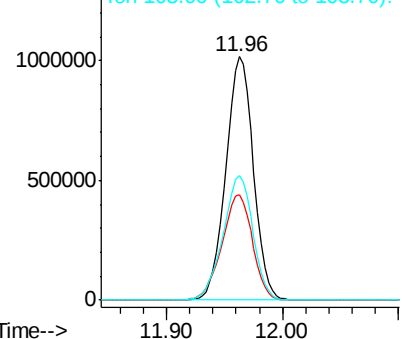


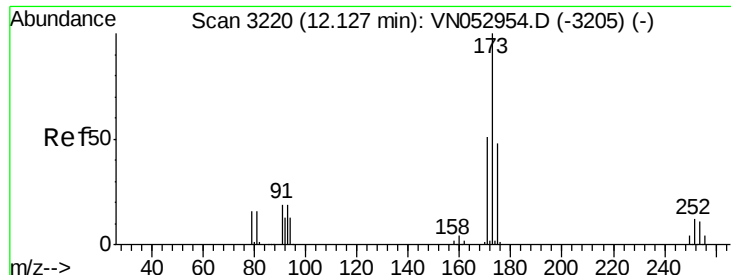
#70
Styrene
Concen: 51.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion:104 Resp: 1670676
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.5 44.3 66.5



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



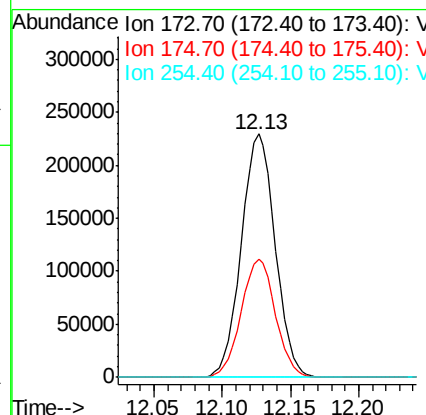
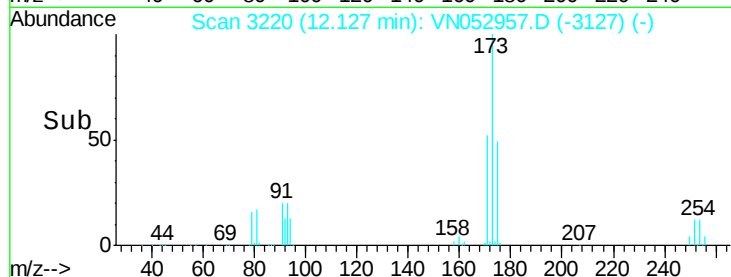
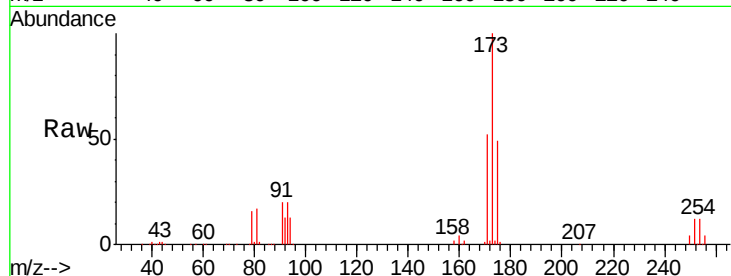


#71
Bromoform
Concen: 49.077 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

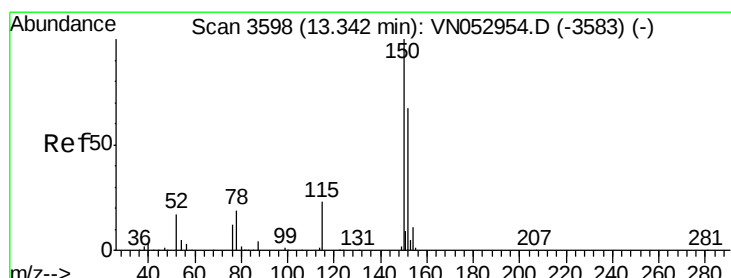
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.2	0.1	0.1

Manual Integrations
APPROVED



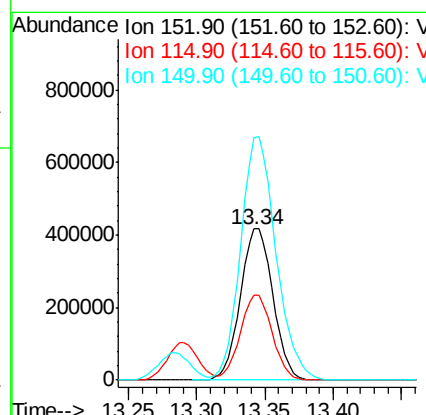
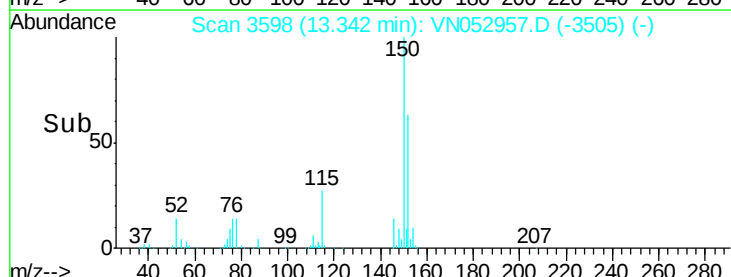
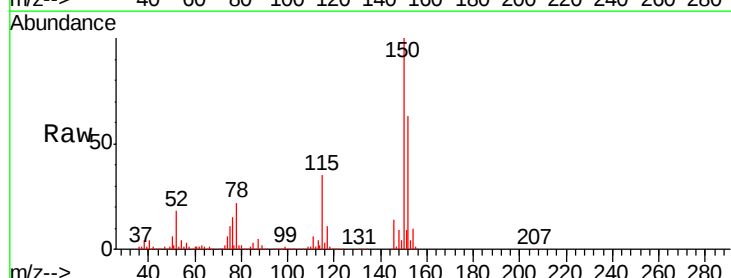
MMDadoda

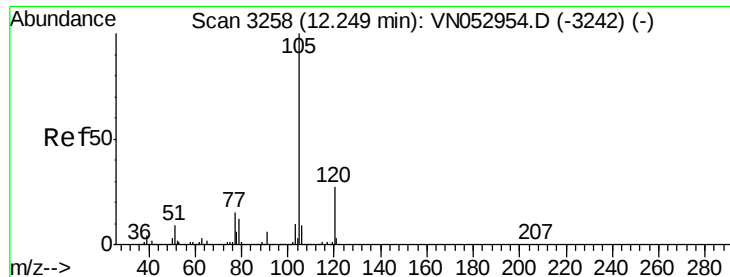
12/19/2018 12:06:36 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.3	85.0
150	175.0	0.0	347.8





#73

Isopropylbenzene

Concen: 50.119 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampleId :

ICVFN121818

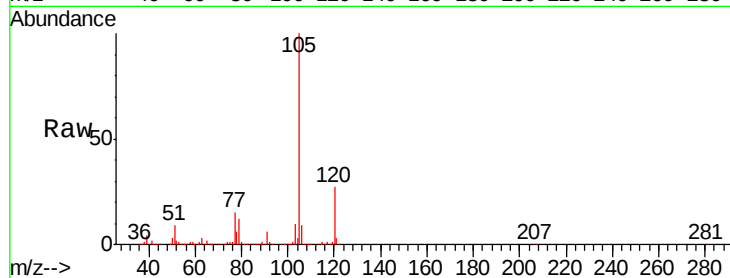
Tgt Ion: 105 Resp: 2704741

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

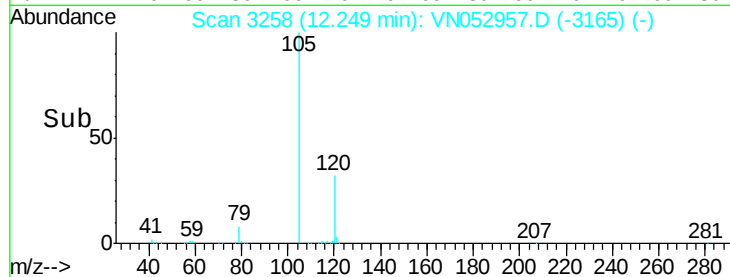
1500000

1000000

500000

0

Time-->



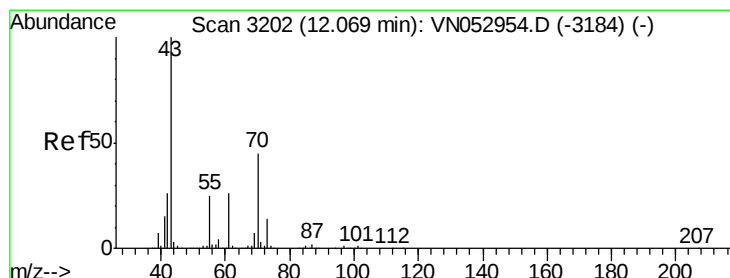
12.25

12.20

12.30

MMDadoda

12/19/2018 12:06:36 PM



#74

N-ethyl acetate

Concen: 51.028 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Tgt Ion: 43 Resp: 764548

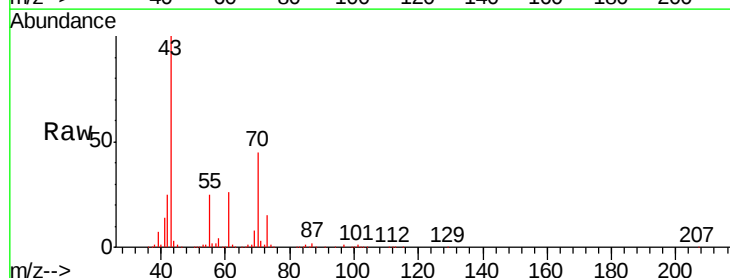
Ion Ratio Lower Upper

43 100

70 45.0 34.2 51.4

55 25.1 20.3 30.5

61 25.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

800000 Ion 70.00 (69.70 to 70.70): V

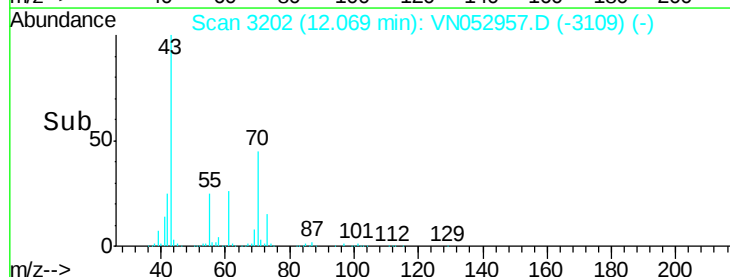
600000 Ion 55.00 (54.70 to 55.70): V

400000 Ion 61.00 (60.70 to 61.70): V

200000

0

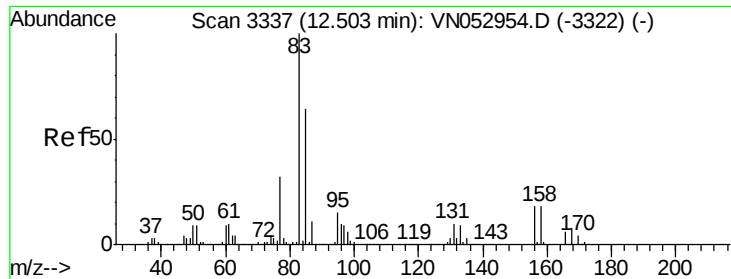
Time-->



12.07

12.00

12.10



#75

1,1,2,2-Tetrachloroethane

Concen: 49.851 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

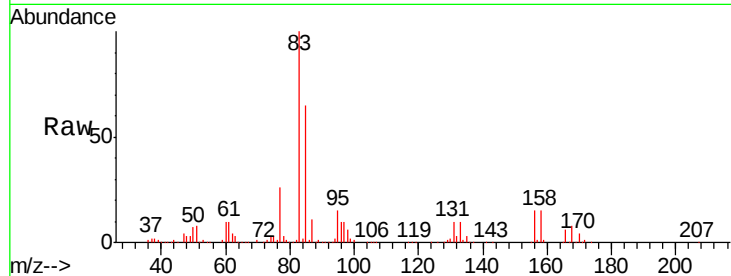
MSVOA_N

ClientSampled :

ICVVN121818

Tgt Ion:	83	Resp:	527791
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.5	32.4	97.0

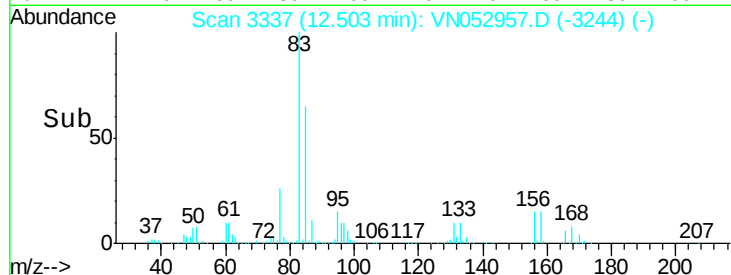
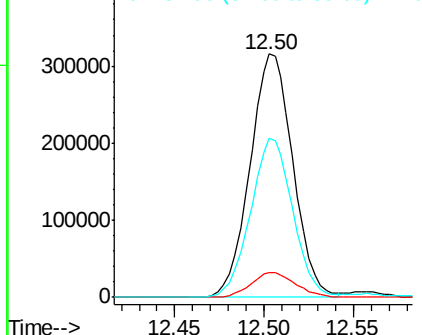
Manual Integrations
APPROVED



Abundance Ion 82.90 (82.60 to 83.60): VN0

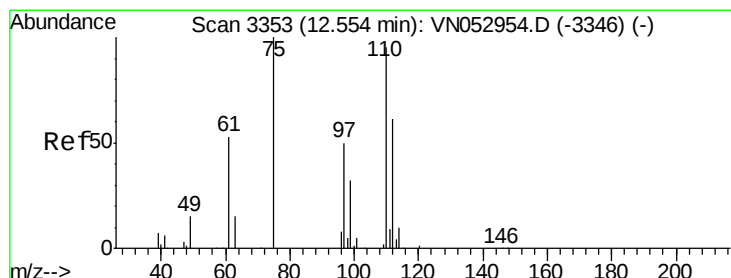
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



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#76

1,2,3-Trichloropropane

Concen: 43.851 ug/l m

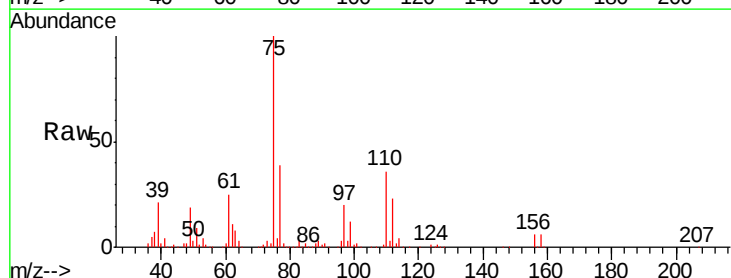
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052957.D

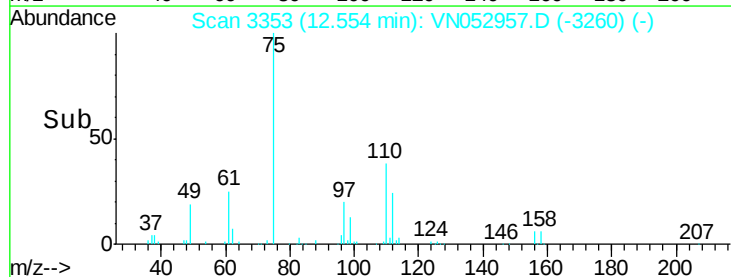
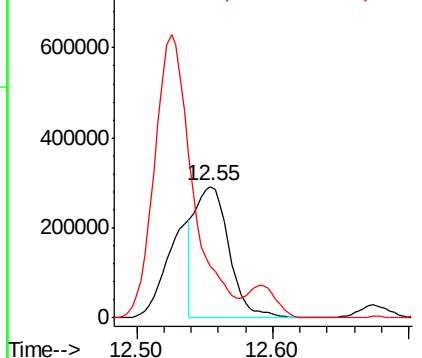
Acq: 18 Dec 2018 13:16

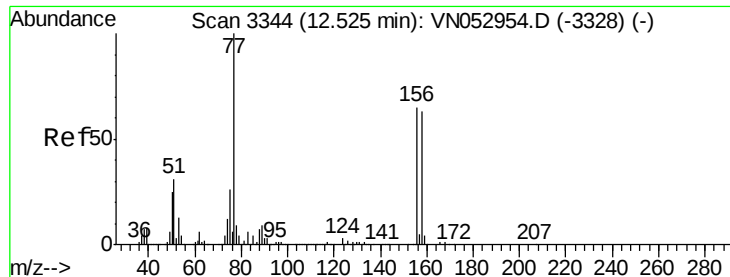
Tgt Ion:	75	Resp:	509156
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.716 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

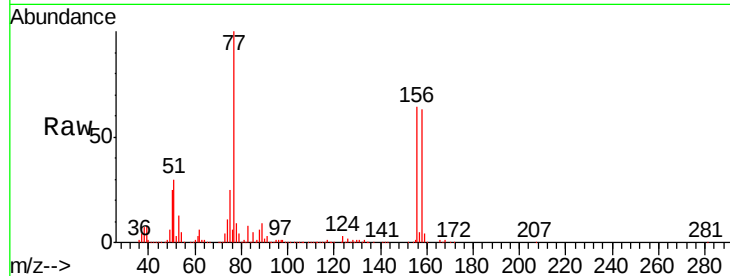
MSVOA_N

ClientSampled :

ICVFN121818

Tgt Ion	Ratio	Lower	Upper
156	100		
77	180.2	91.3	273.8
158	97.7	49.0	147.2

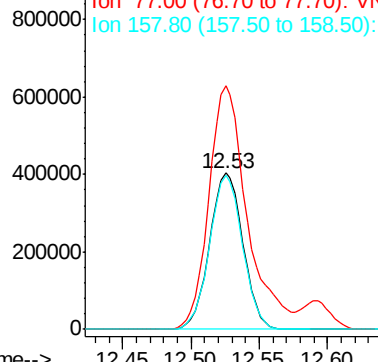
Manual Integrations
APPROVED



Abundance Ion 155.80 (155.50 to 156.50): V

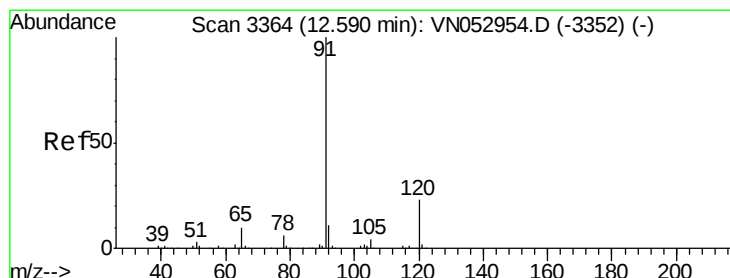
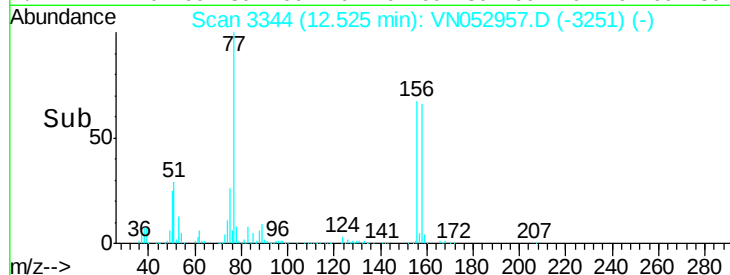
Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 50.410 ug/l

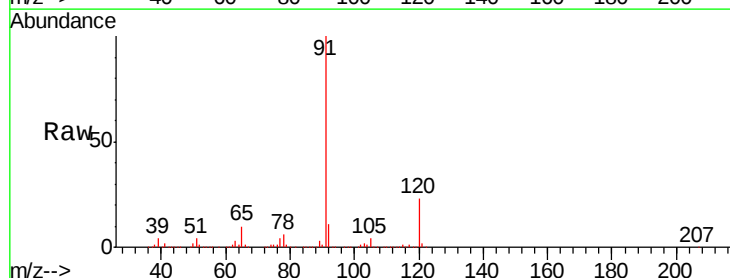
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052957.D

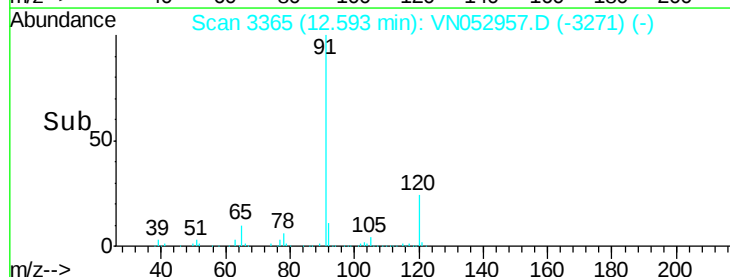
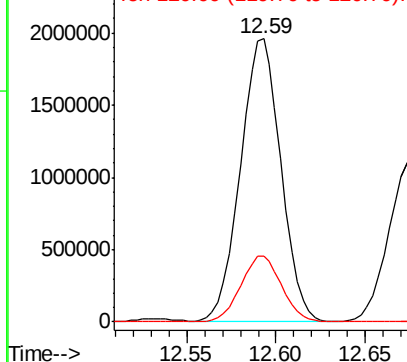
Acq: 18 Dec 2018 13:16

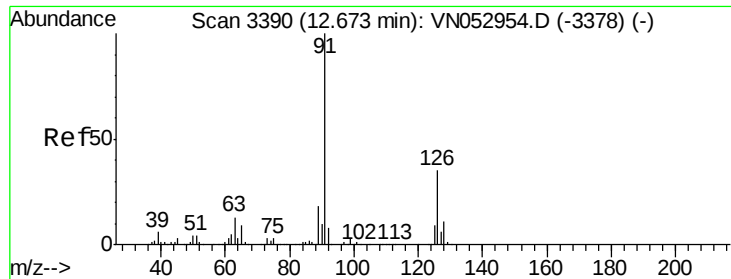
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.458 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

MSVOA_N

ClientSampled :

ICVFN121818

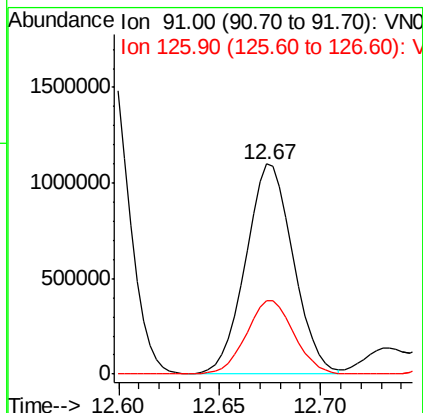
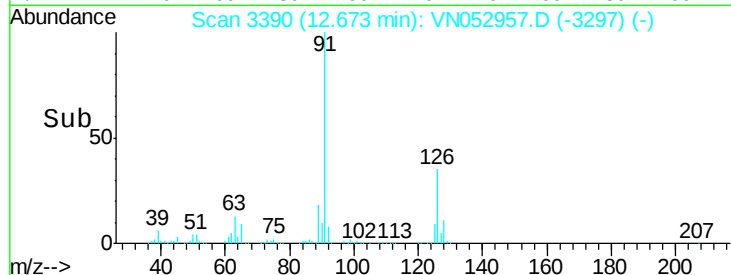
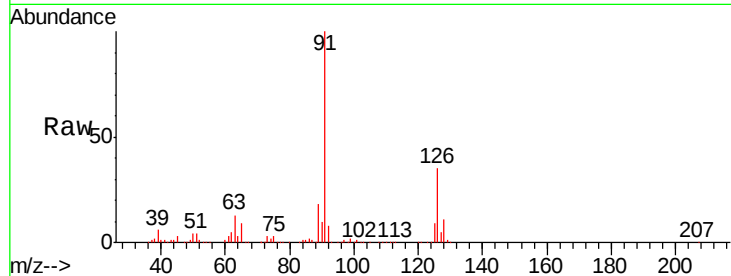
Tgt Ion: 91 Resp: 1808040

Ion Ratio Lower Upper

91 100

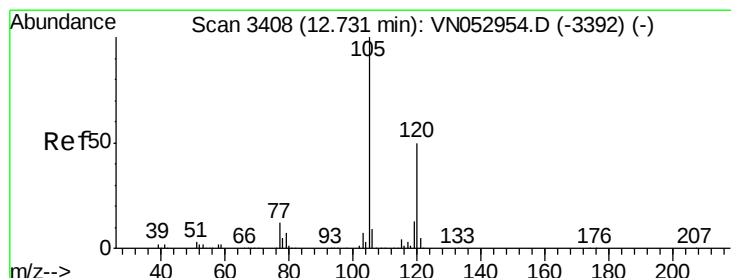
126 35.2 17.4 52.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 49.747 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052957.D

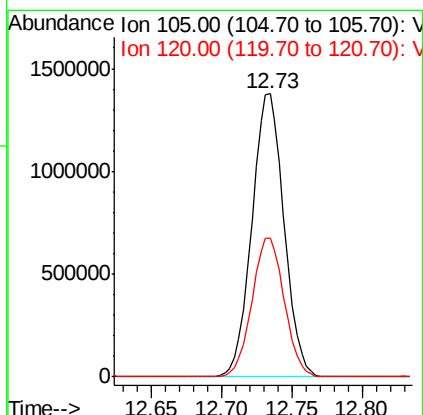
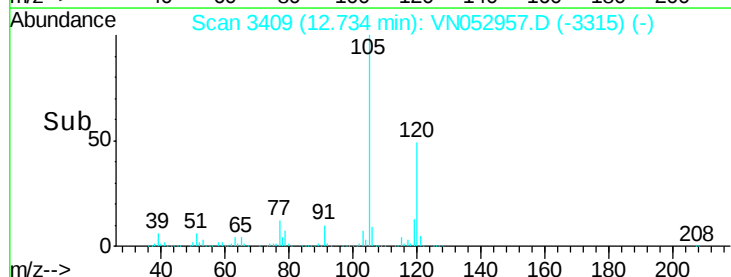
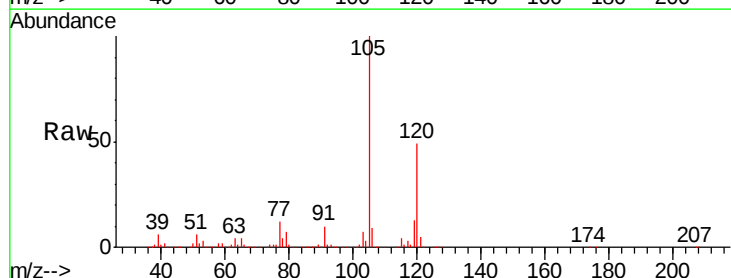
Acq: 18 Dec 2018 13:16

Tgt Ion: 105 Resp: 2188223

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.204 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Instrument :

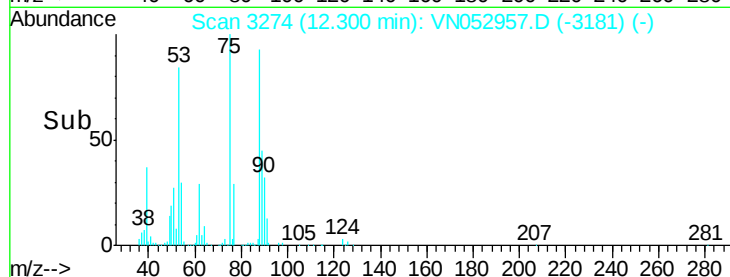
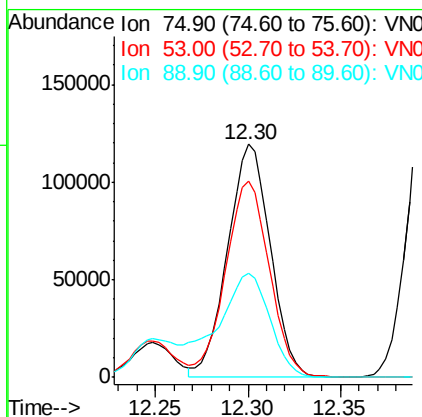
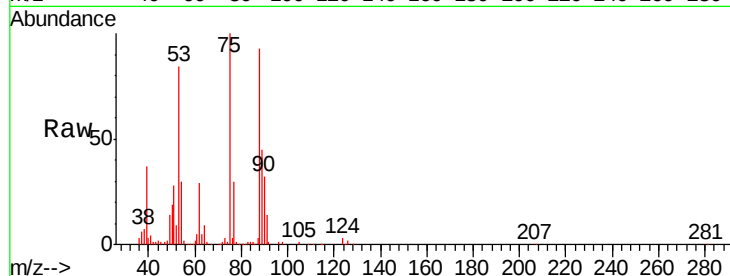
MSVOA_N

ClientSampled :

ICVVN121818

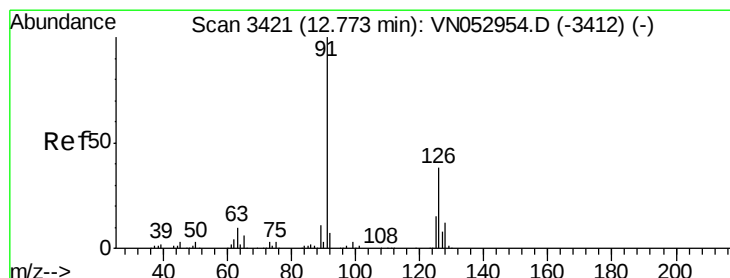
Tgt Ion:	75	Resp:	191663
Ion	Ratio	Lower	Upper
75	100		
53	86.4	74.7	112.1
89	47.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.439 ug/l

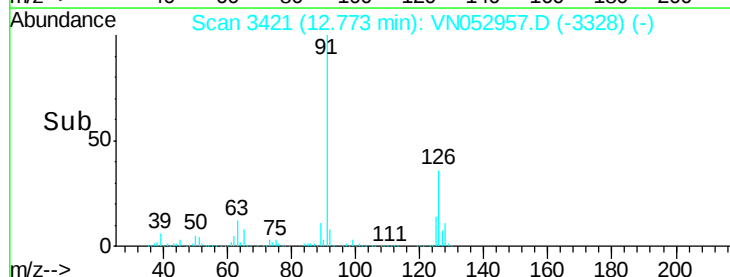
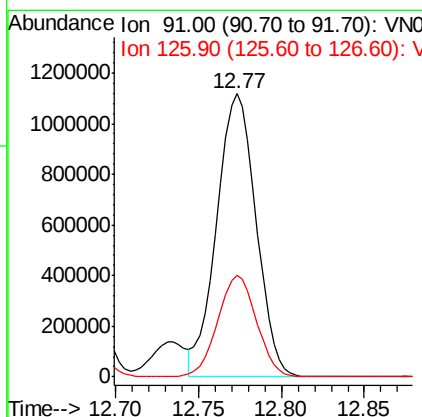
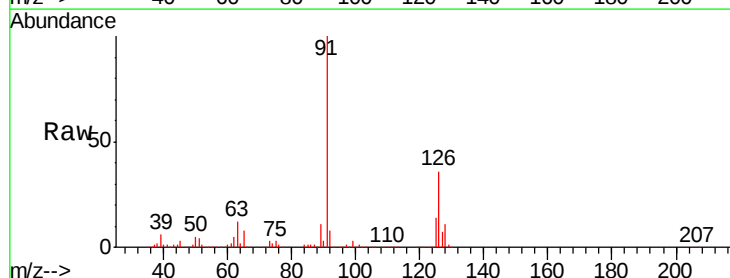
RT: 12.77 min Scan# 3421

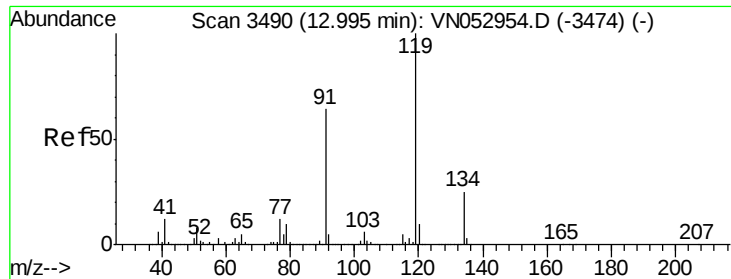
Delta R.T. -0.00 min

Lab File: VN052957.D

Acq: 18 Dec 2018 13:16

Tgt Ion:	91	Resp:	1843749
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	51.7



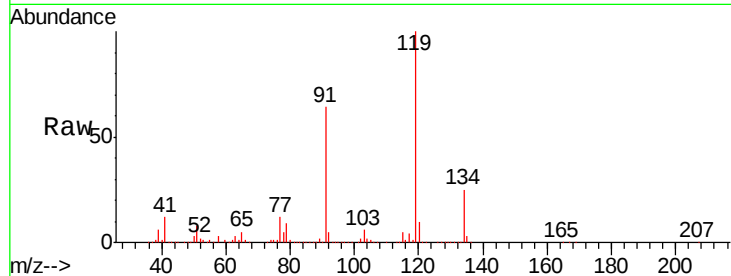


#83
 tert-Butylbenzene
 Concen: 49.017 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

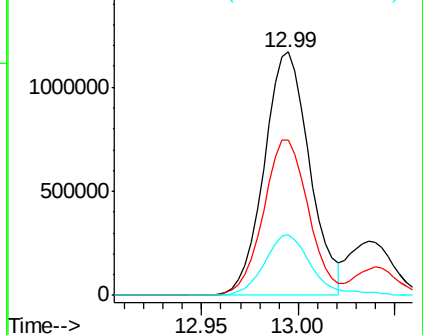
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.9	95.5
134	25.7	12.8	38.4

Manual Integrations
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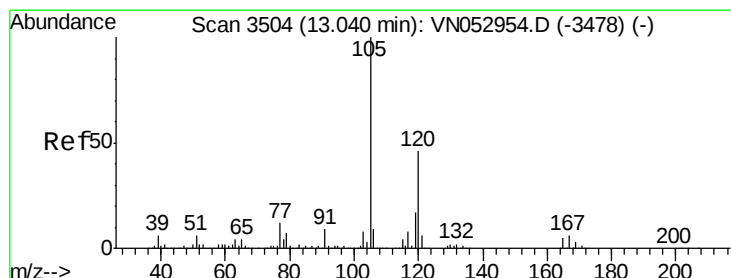
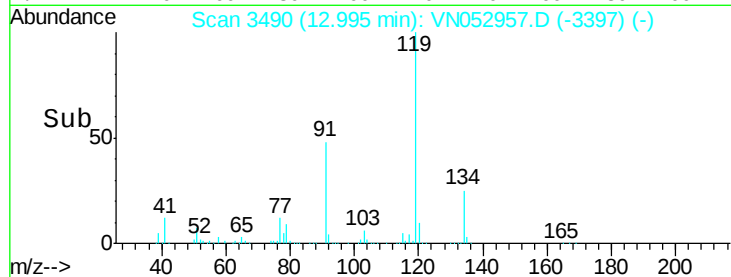


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V



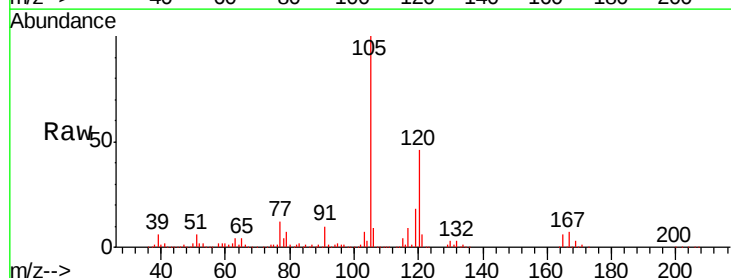
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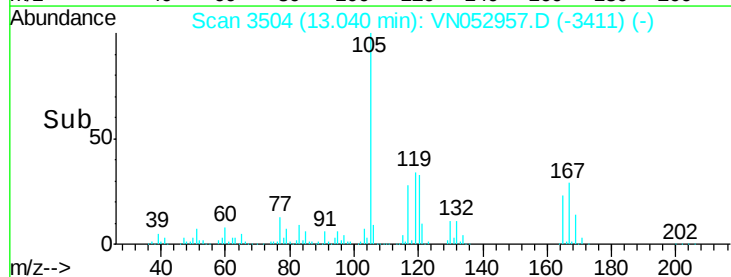
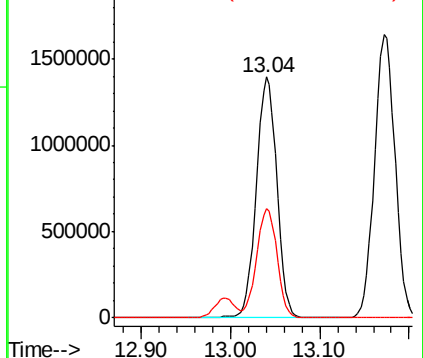


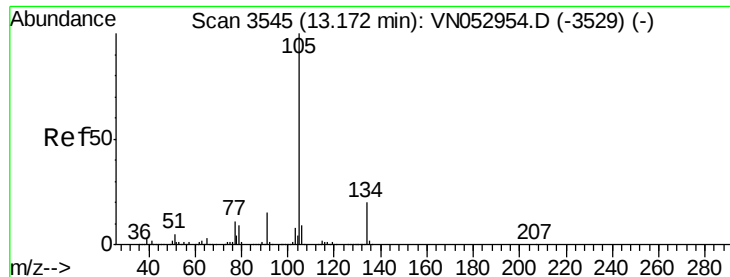
#84
 1,2,4-Trimethylbenzene
 Concen: 50.351 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



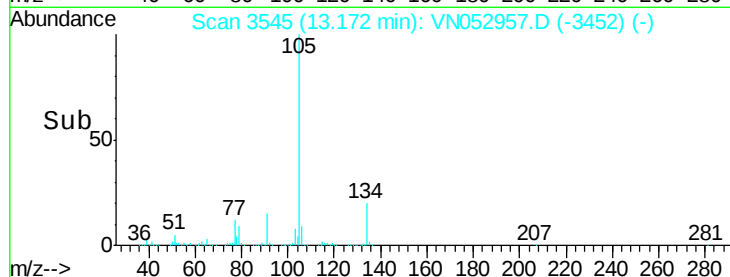
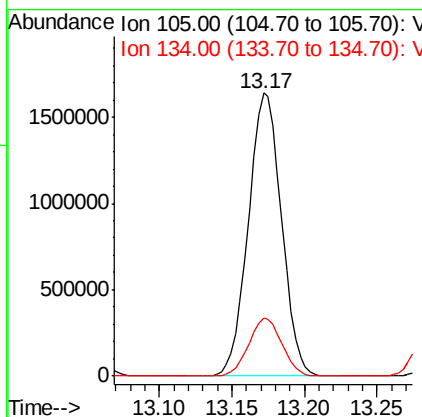
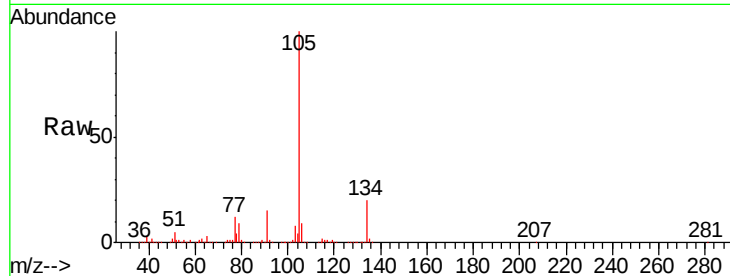


#85
 sec-Butylbenzene
 Concen: 49.589 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

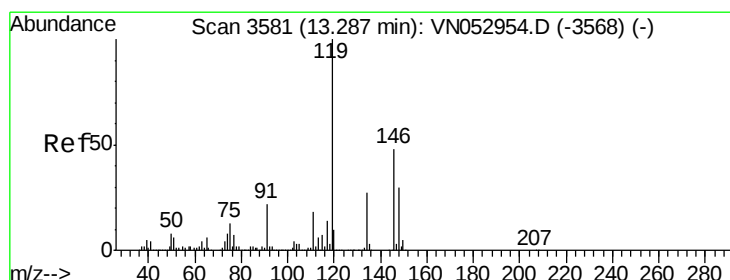
Tgt Ion:105 Resp: 2609356
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3

Manual Integrations
 APPROVED



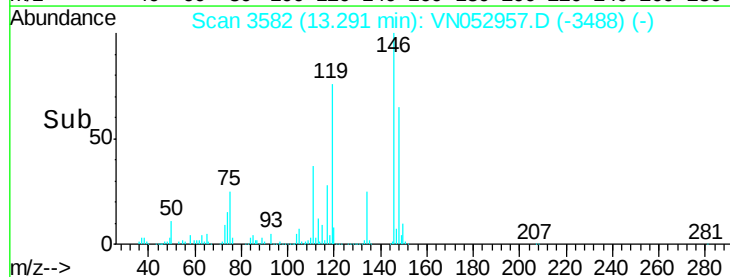
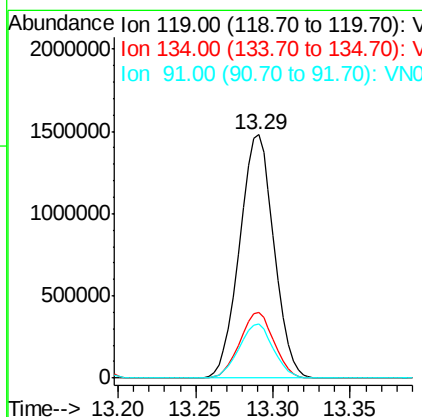
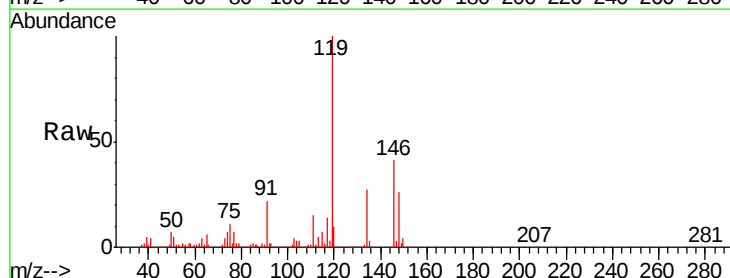
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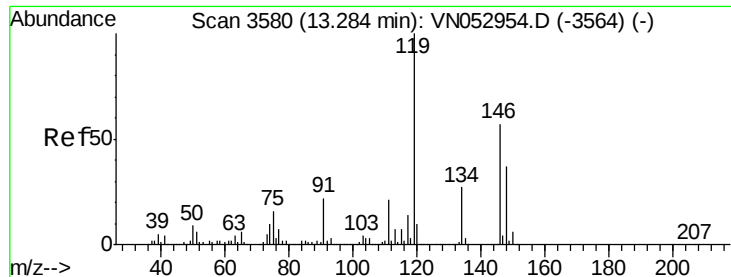
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#86
 p-Isopropyltoluene
 Concen: 50.289 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion:119 Resp: 2286540
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.0 11.1 33.3



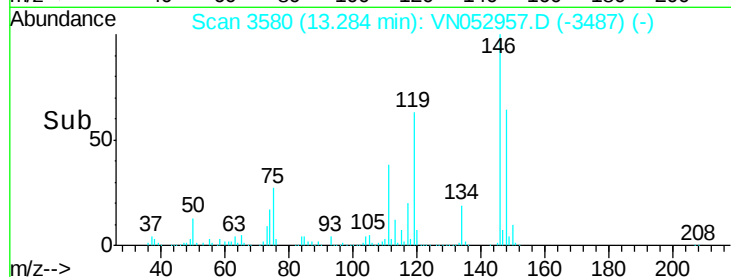
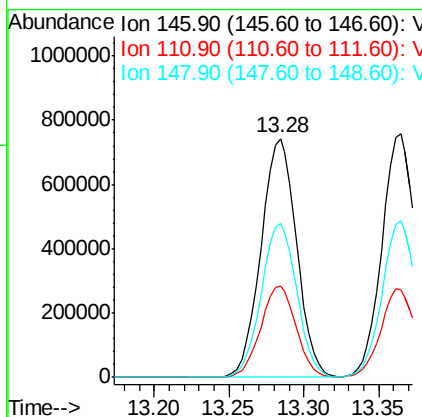
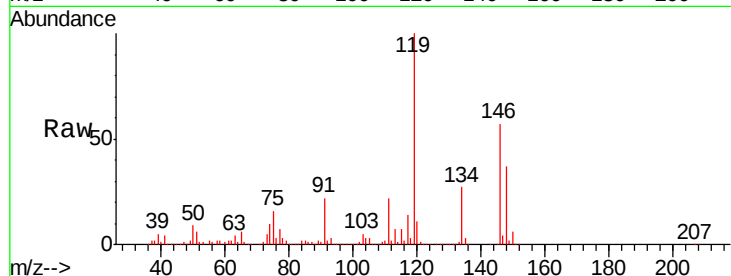


#87
 1,3-Dichlorobenzene
 Concen: 49.356 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

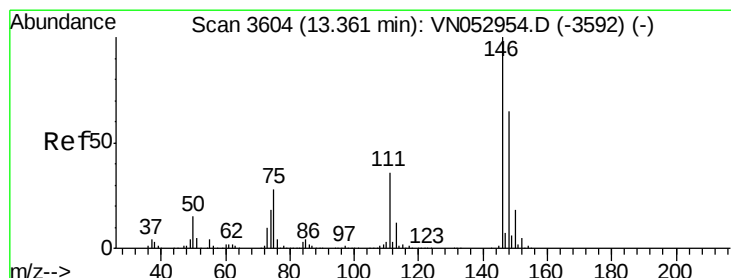
Tgt Ion:146 Resp: 1225408
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.4 32.0 96.0

Manual Integrations
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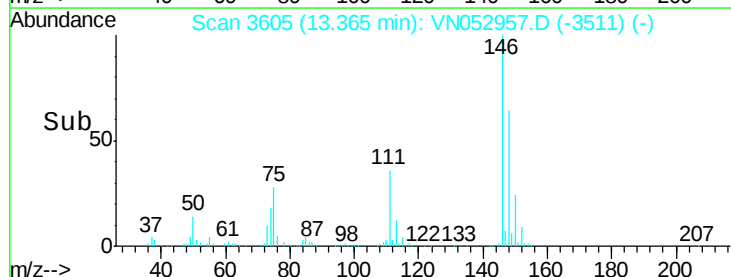
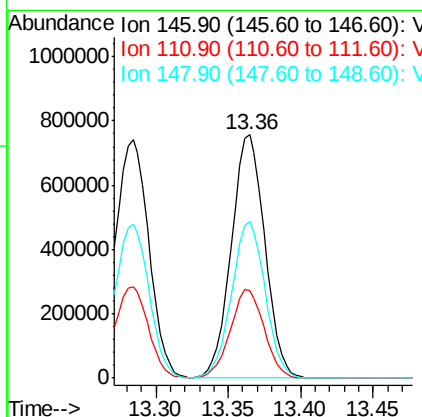
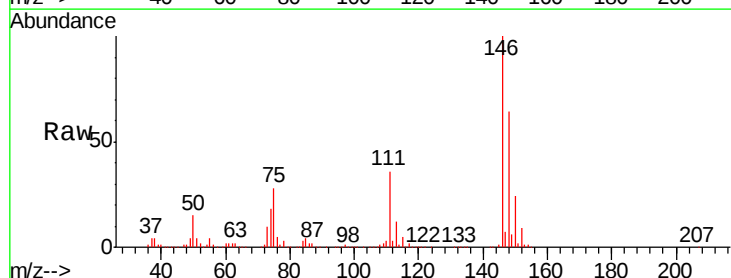
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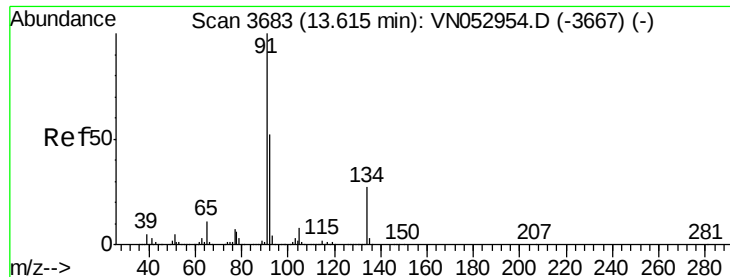
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#88
 1,4-Dichlorobenzene
 Concen: 48.233 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion:146 Resp: 1212722
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.8
 148 64.4 32.1 96.5



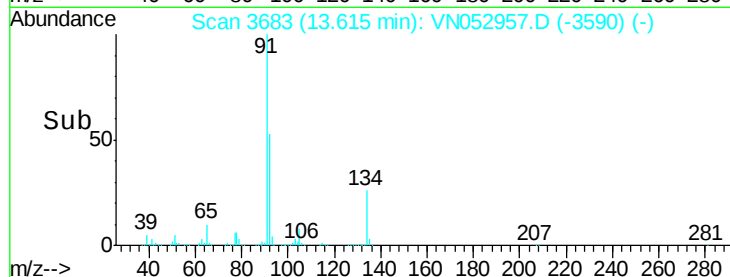
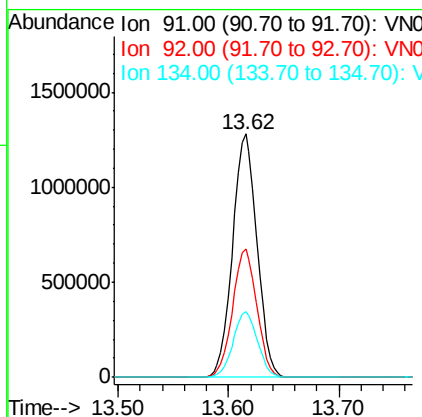
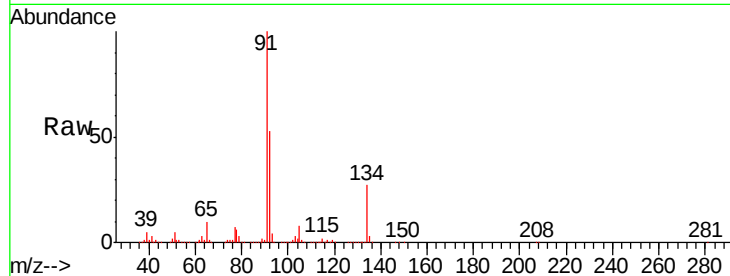


#89
n-Butylbenzene
Concen: 50.133 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVVN121818

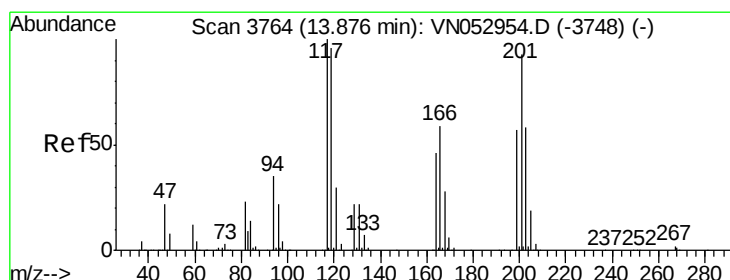
Tgt Ion: 91 Resp: 1961001
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 26.9 13.3 39.8

Manual Integrations
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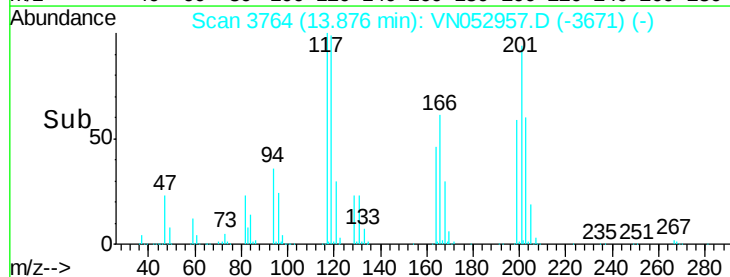
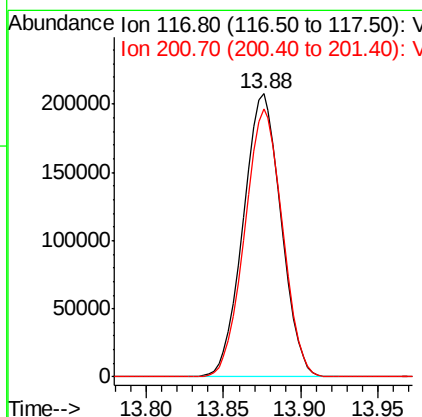
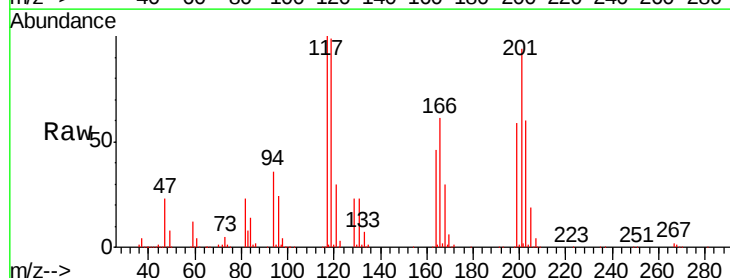
MMDadoda

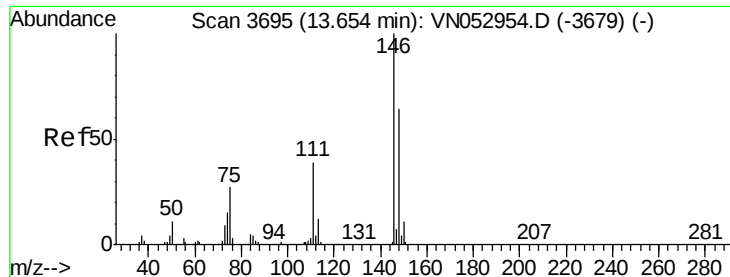
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#90
Hexachloroethane
Concen: 50.914 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion: 117 Resp: 355244
Ion Ratio Lower Upper
117 100
201 93.9 45.7 137.1



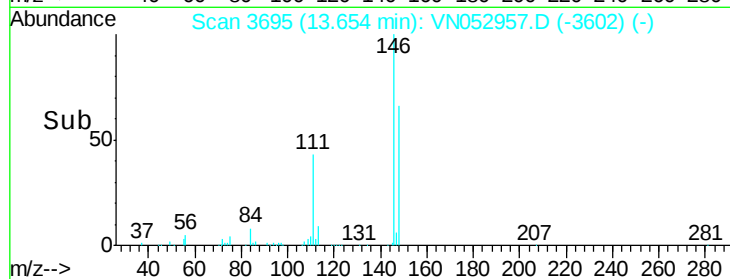
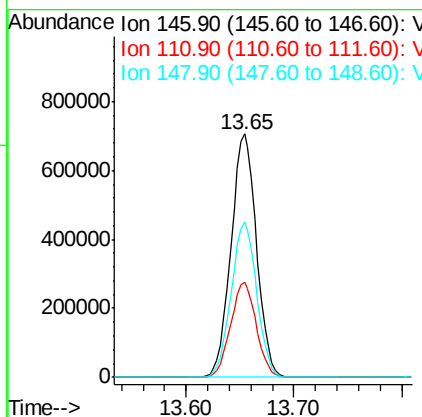
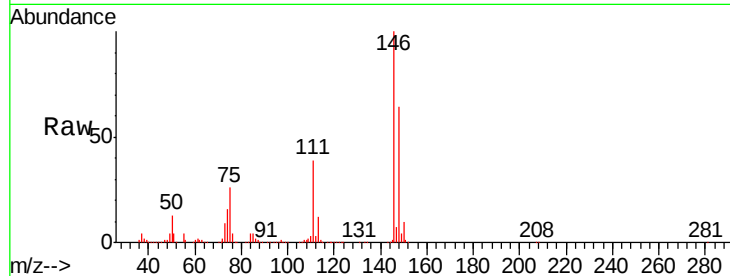


#91
 1,2-Dichlorobenzene
 Concen: 49.649 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

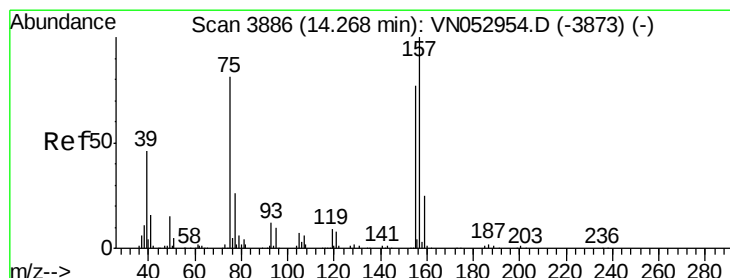
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.0	96.0

Manual Integrations
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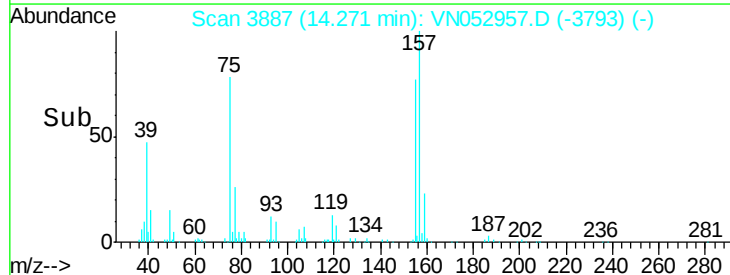
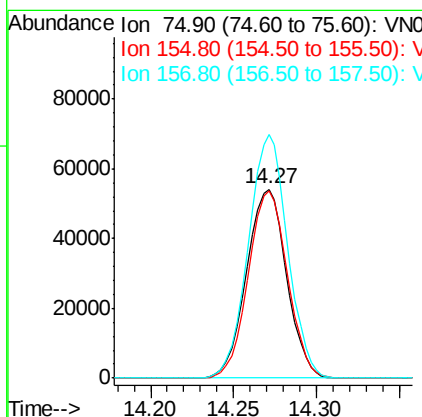
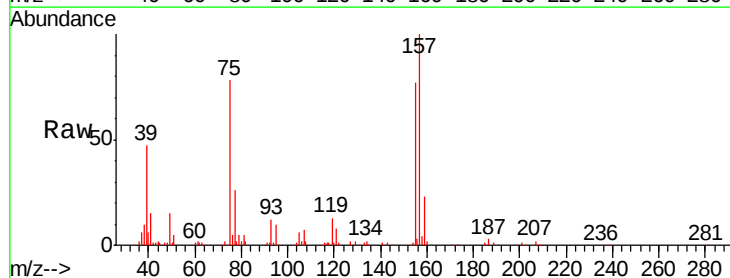
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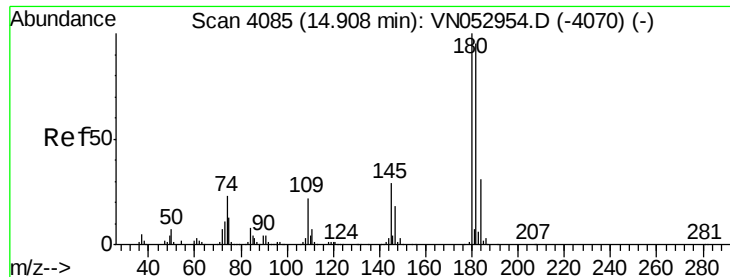
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.801 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	48.2	144.6
157	126.0	61.2	183.5



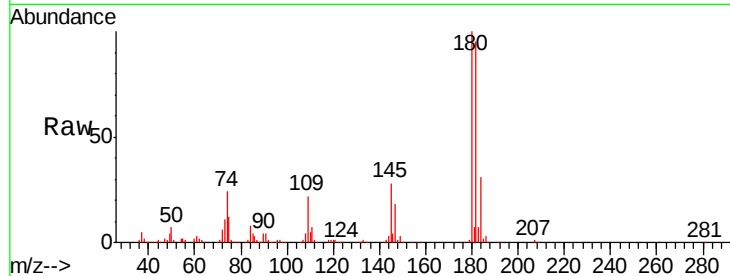


#93
 1,2,4-Trichlorobenzene
 Concen: 52.585 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

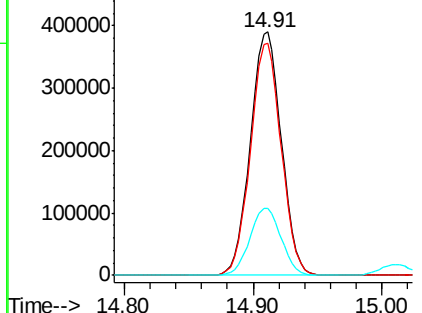
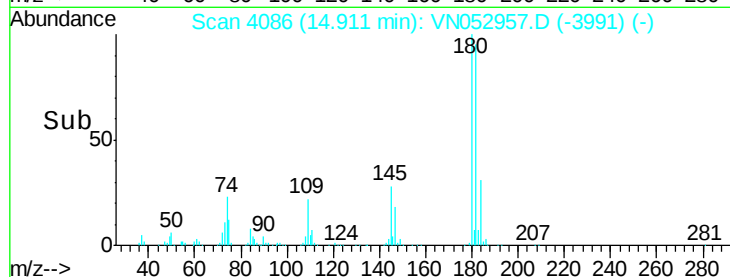
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN121818

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	651384		
182	94.8	47.8	143.3	
145	28.1	14.2	42.6	

Manual Integrations
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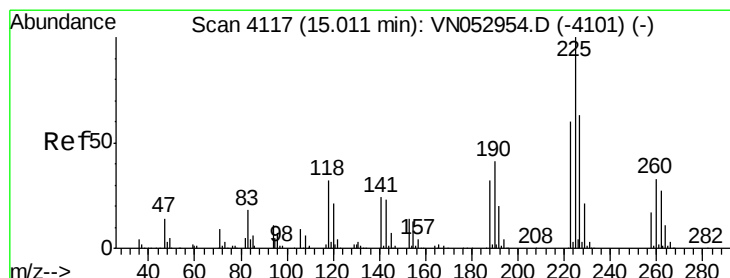


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



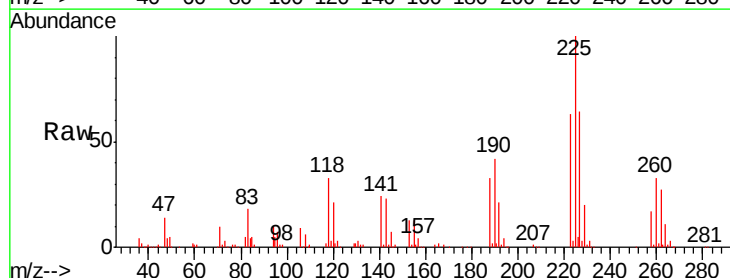
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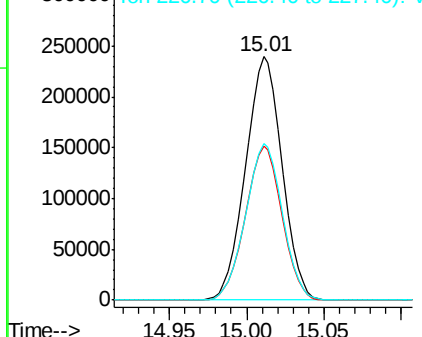
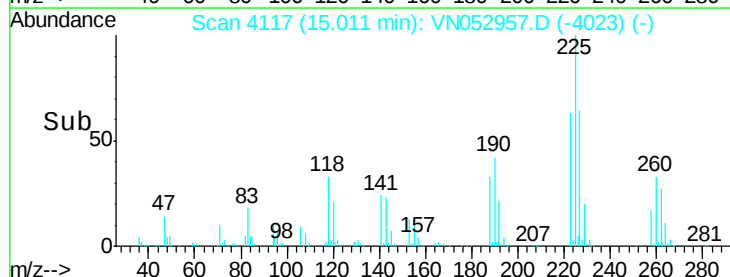


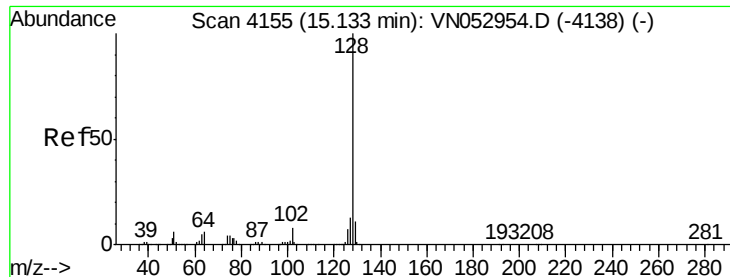
#94
 Hexachlorobutadiene
 Concen: 62.209 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052957.D
 Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	394261		
223	63.3	31.5	94.5	
227	64.6	31.9	95.7	



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



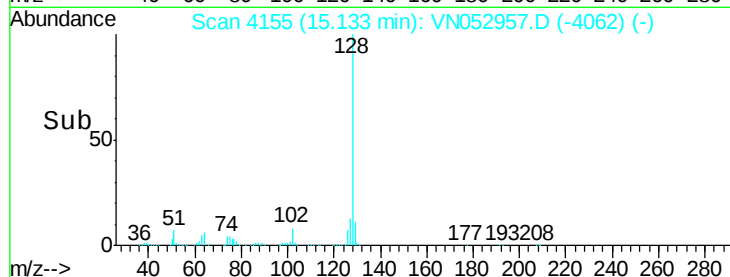
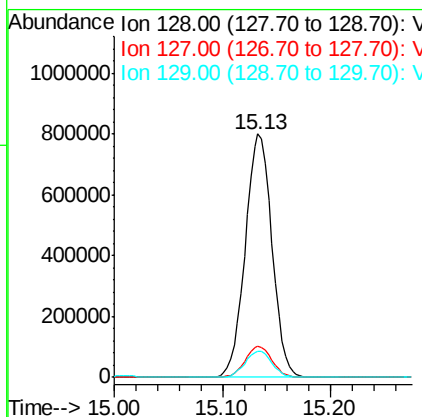
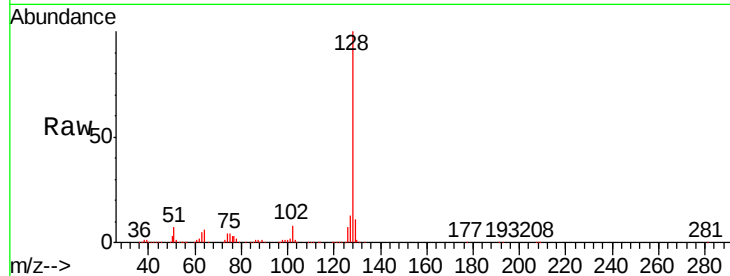


#95
Naphthalene
Concen: 50.582 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Instrument :
MSVOA_N
ClientSampled :
ICVNN121818

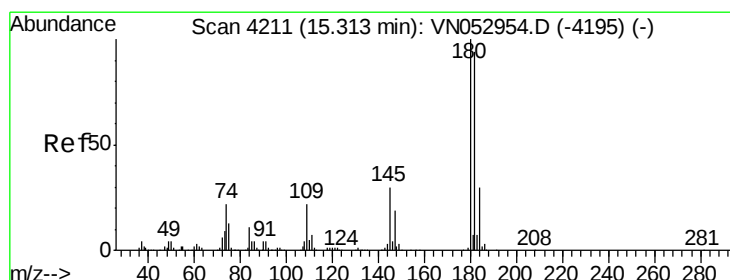
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.023 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052957.D
Acq: 18 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	29.8	15.0	45.0

