

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052974.D
 Acq On : 18 Dec 2018 21:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:07:32 PM

Quant Time: Dec 19 04:50:26 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	1122750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1725204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1559038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	716958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	606247	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.59	113	433759	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	10.09	98	2216235	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.40	95	772118	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	552005	48.579	ug/l	100
3) Chloromethane	2.06	50	684934	49.742	ug/l	100
4) Vinyl Chloride	2.19	62	687128	49.272	ug/l	99
5) Bromomethane	2.57	94	447634	46.330	ug/l	97
6) Chloroethane	2.71	64	412870	49.989	ug/l	99
7) Trichlorofluoromethane	3.02	101	856469	49.300	ug/l	100
8) Diethyl Ether	3.41	74	329245	50.237	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	534319	48.239	ug/l	97
10) Methyl Iodide	3.96	142	806798	51.867	ug/l	99
11) Tert butyl alcohol	4.77	59	180973	260.316	ug/l	98
12) 1,1-Dichloroethene	3.74	96	526406	49.191	ug/l	99
13) Acrolein	3.61	56	212799	337.578	ug/l	98
14) Allyl chloride	4.33	41	867564	52.339	ug/l	95
15) Acrylonitrile	4.99	53	984705	254.959	ug/l	99
16) Acetone	3.81	43	606284	271.394	ug/l	98
17) Carbon Disulfide	4.06	76	1555190	44.562	ug/l	100
18) Methyl Acetate	4.32	43	510526	50.344	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1478612	51.632	ug/l	99
20) Methylene Chloride	4.55	84	599683	49.211	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	559787	48.687	ug/l	99
22) Diisopropyl ether	5.95	45	1828573	51.681	ug/l	97
23) Vinyl Acetate	5.90	43	5093746	250.363	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1049921	49.938	ug/l	98
25) 2-Butanone	6.83	43	1036176	276.377	ug/l	98
26) 2,2-Dichloropropane	6.83	77	733703	45.715	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	647144	49.717	ug/l	99
28) Bromochloromethane	7.20	49	468539	51.429	ug/l	96
29) Tetrahydrofuran	7.21	42	735521	262.675	ug/l	98
30) Chloroform	7.37	83	1032219	49.978	ug/l	100
31) Cyclohexane	7.66	56	988116	50.113	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	868337	49.353	ug/l	99
36) 1,1-Dichloropropene	7.79	75	804729	48.598	ug/l	99
37) Ethyl Acetate	6.93	43	494472	53.491	ug/l	99
38) Carbon Tetrachloride	7.78	117	742347	48.910	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	968714	48.157	ug/l	96
40) Benzene	8.04	78	2440330	49.545	ug/l	100
41) Methacrylonitrile	7.17	41	270434	50.632	ug/l	99
42) 1,2-Dichloroethane	8.12	62	726143	49.905	ug/l	99
43) Isopropyl Acetate	8.16	43	923204	51.642	ug/l	99
44) Trichloroethene	8.84	130	686579	48.193	ug/l	97
45) 1,2-Dichloropropane	9.12	63	639505	49.847	ug/l	98
46) Dibromomethane	9.21	93	371208	49.669	ug/l	98
47) Bromodichloromethane	9.40	83	788203	49.615	ug/l	100
48) Methyl methacrylate	9.20	41	466247	51.978	ug/l	99
49) 1,4-Dioxane	9.20	88	112810	994.199	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2421909	270.540	ug/l	99
52) Toluene	10.16	92	1530638	50.137	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	820818	49.135	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	942498	49.153	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	535390	50.268	ug/l	99
56) Ethyl methacrylate	10.43	69	746410	52.947	ug/l	98
57) 1,3-Dichloropropane	10.71	76	926789	50.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2039124	263.476	ug/l	98
59) 2-Hexanone	10.75	43	1642818	271.233	ug/l	99
60) Dibromochloromethane	10.90	129	604602	49.592	ug/l	100
61) 1,2-Dibromoethane	11.00	107	549862	50.834	ug/l	100
64) Tetrachloroethene	10.63	164	788039	46.663	ug/l	99
65) Chlorobenzene	11.43	112	1692757	48.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	589937	49.088	ug/l	99
67) Ethyl Benzene	11.51	91	2933683	49.361	ug/l	100
68) m/p-Xylenes	11.62	106	2220765	98.290	ug/l	100
69) o-Xylene	11.95	106	1090929	50.318	ug/l	99
70) Styrene	11.96	104	1789380	50.615	ug/l	99
71) Bromoform	12.13	173	425831	49.048	ug/l #	100
73) Isopropylbenzene	12.25	105	2879637	51.334	ug/l	100
74) N-amyl acetate	12.07	43	859557	55.191	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	598875	54.418	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	555169m	45.999	ug/l	
77) Bromobenzene	12.53	156	745643	51.136	ug/l	98
78) n-propylbenzene	12.59	91	3241899	50.744	ug/l	99
79) 2-Chlorotoluene	12.68	91	1914459	48.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2273120	49.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	193503	51.675	ug/l	96
82) 4-Chlorotoluene	12.77	91	1952642	50.371	ug/l	100
83) tert-Butylbenzene	12.99	119	2016248	49.861	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2298534	50.007	ug/l	99
85) sec-Butylbenzene	13.17	105	2690704	49.194	ug/l	100
86) p-Isopropyltoluene	13.29	119	2326751	49.231	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1282837	49.707	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1251966	47.903	ug/l	100
89) n-Butylbenzene	13.62	91	1916003	47.123	ug/l	100
90) Hexachloroethane	13.88	117	362731	50.013	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1201166	49.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93568	49.172	ug/l	98

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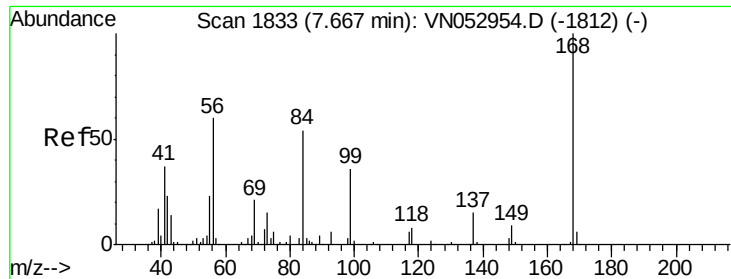
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	614062	47.746	ug/l	100
94) Hexachlorobutadiene	15.01	225	336539	50.540	ug/l	99
95) Naphthalene	15.13	128	1372449	48.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	561630	48.482	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052974.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1122750

Ion Ratio Lower Upper

168 100

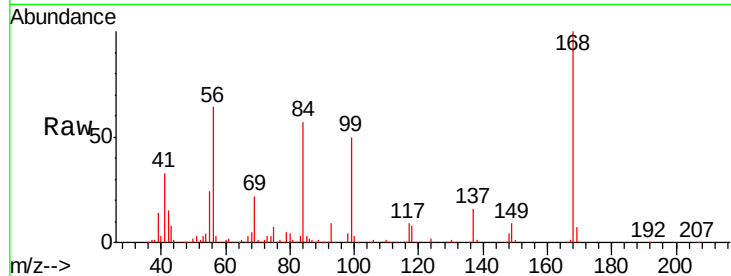
99 50.0 40.2 60.2

Manual Integrations

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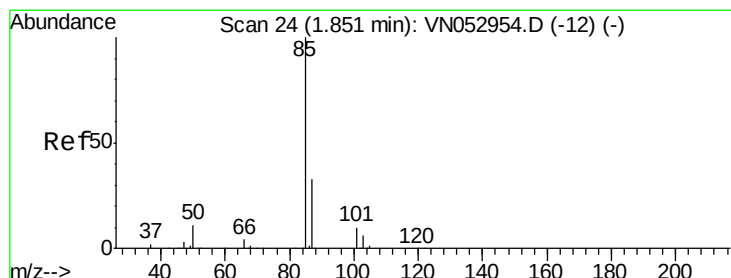
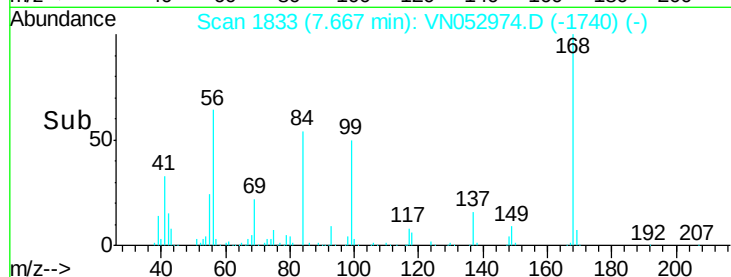
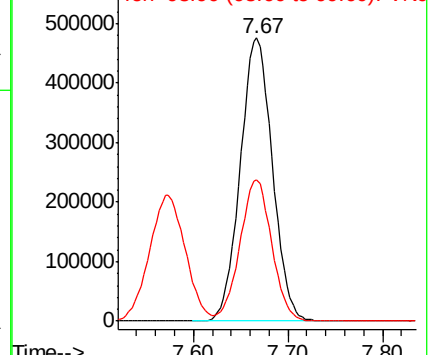
MMDadoda

12/19/2018 12:07:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.579 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052974.D

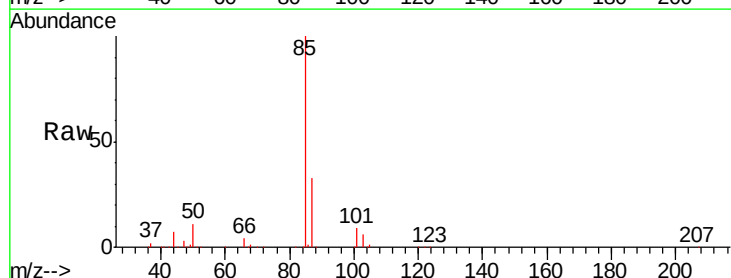
Acq: 18 Dec 2018 21:31

Tgt Ion: 85 Resp: 552005

Ion Ratio Lower Upper

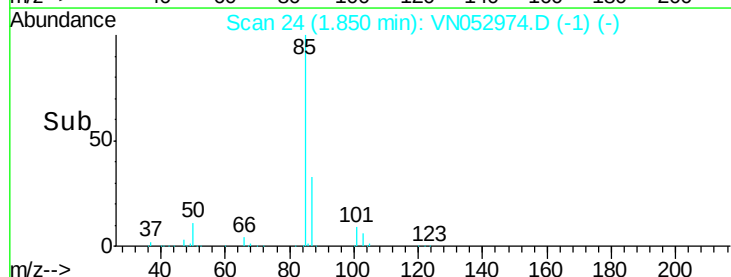
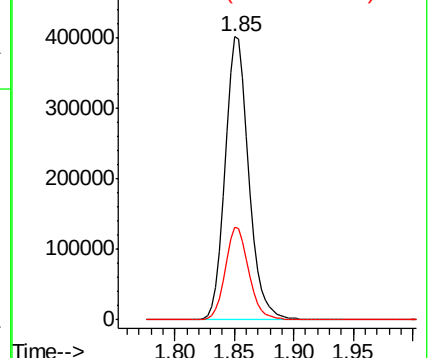
85 100

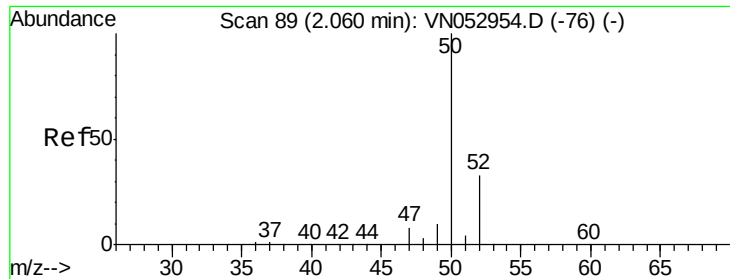
87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.742 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 684934

Ion Ratio Lower Upper

50 100

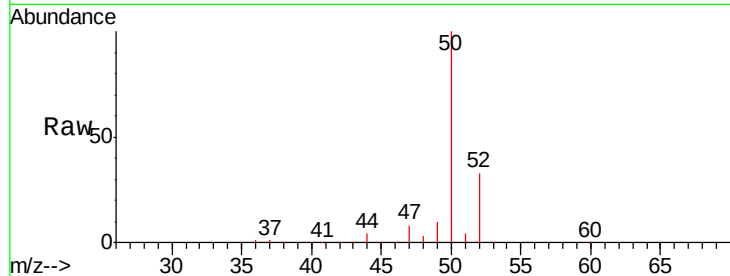
52 33.0 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

400000

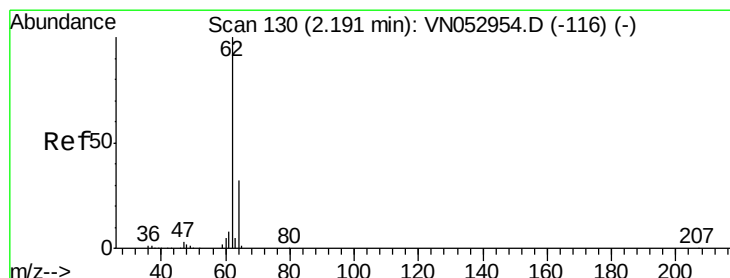
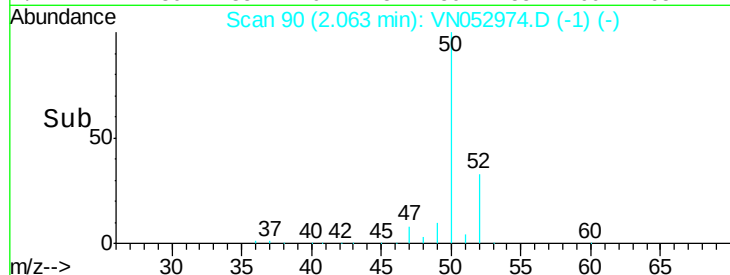
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 49.272 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052974.D

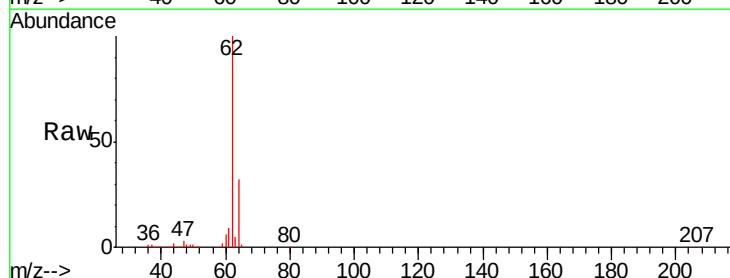
Acq: 18 Dec 2018 21:31

Tgt Ion: 62 Resp: 687128

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

400000

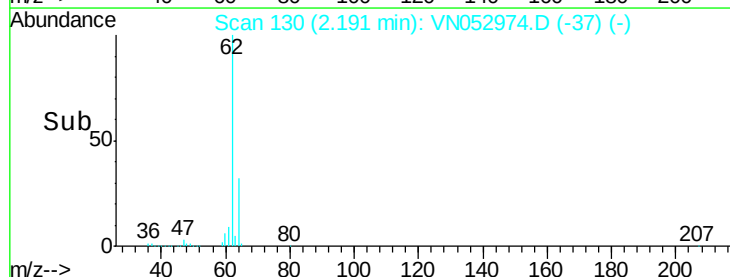
300000

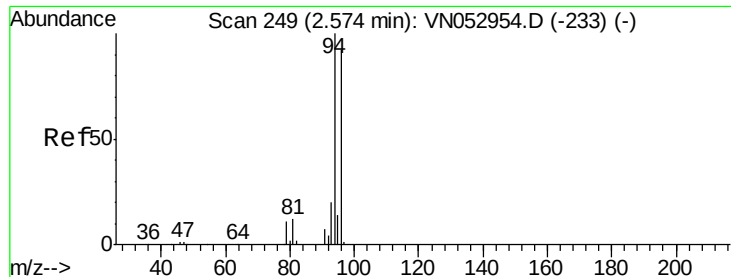
200000

100000

0

Time-->





#5

Bromomethane

Concen: 46.330 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 447634

Ion Ratio Lower Upper

94 100

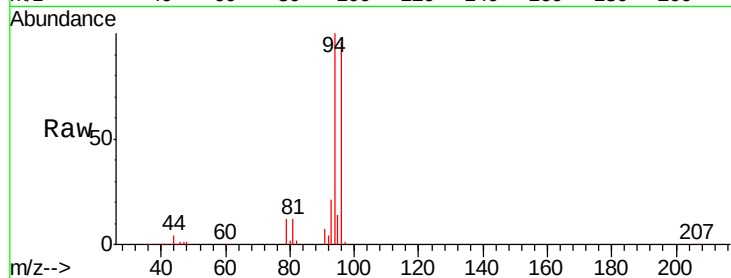
96 96.1 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250000

200000

150000

100000

50000

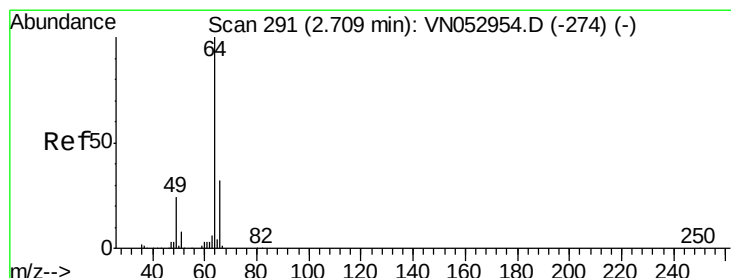
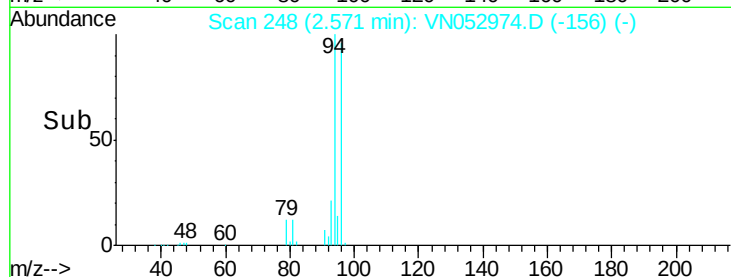
0

2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 49.989 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052974.D

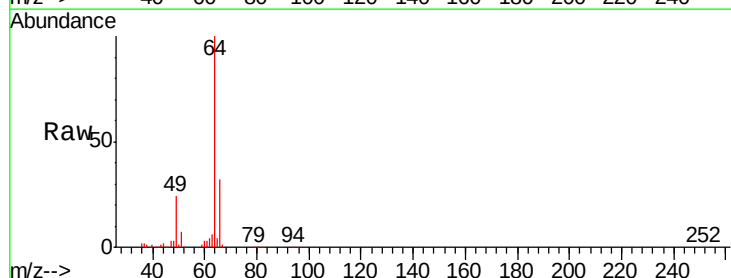
Acq: 18 Dec 2018 21:31

Tgt Ion: 64 Resp: 412870

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

250000

200000

150000

100000

50000

0

2.60

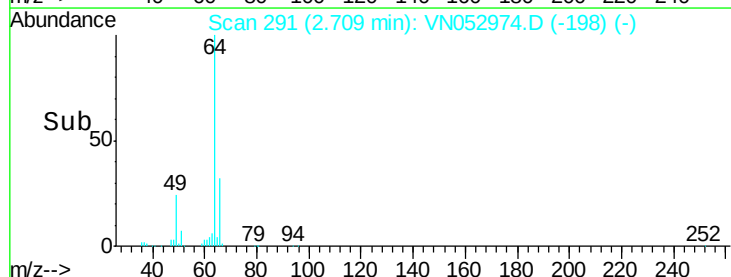
2.65

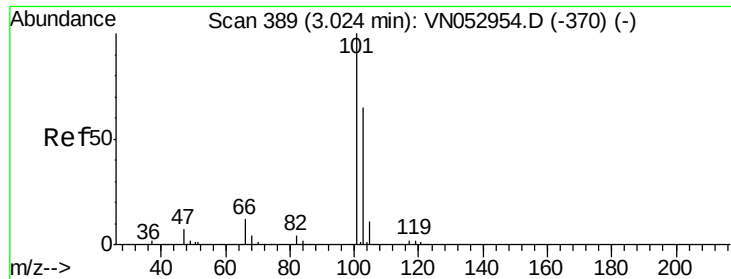
2.70

2.75

2.80

Time-->





#7

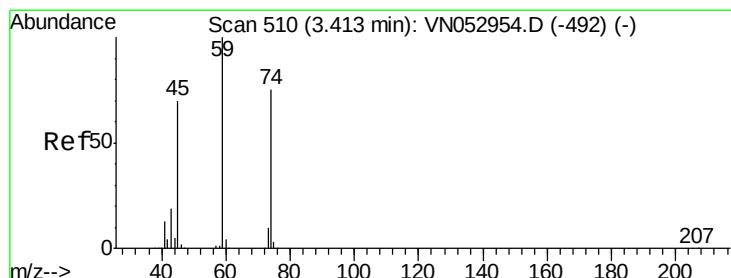
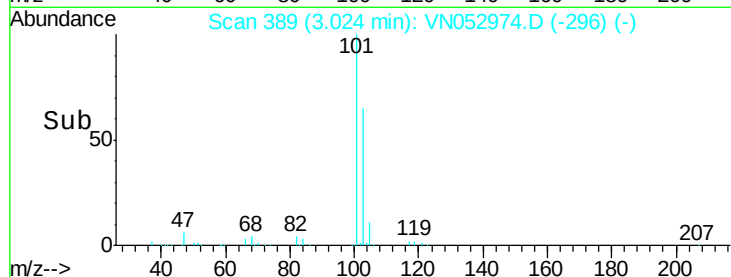
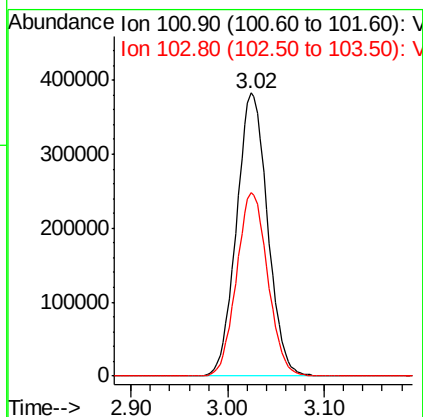
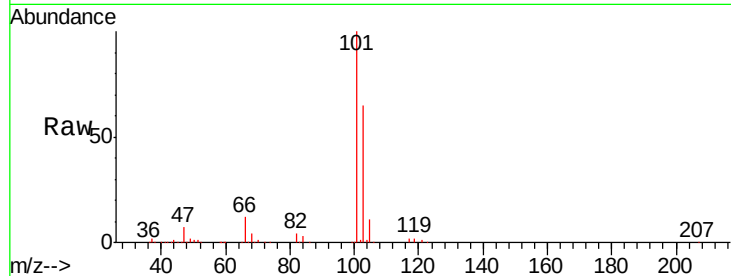
Trichlorofluoromethane
 Concen: 49.300 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052974.D
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 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

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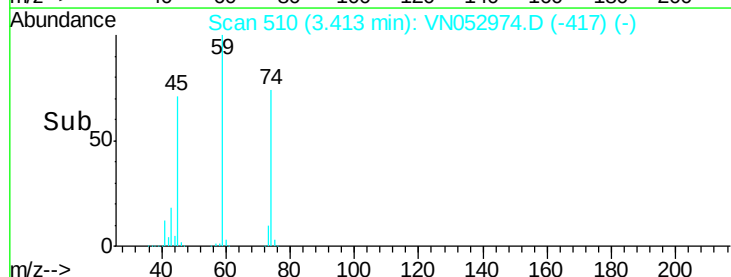
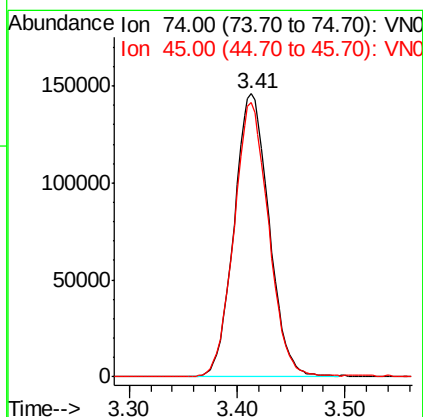
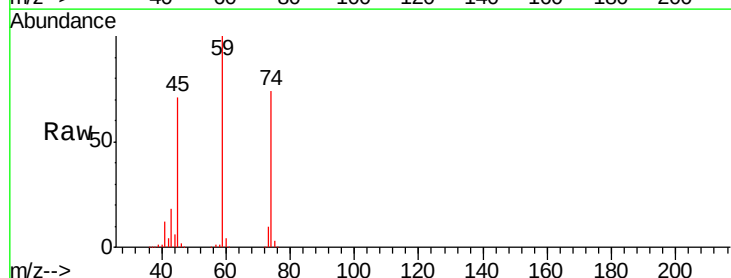
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 12/19/2018 12:07:32 PM

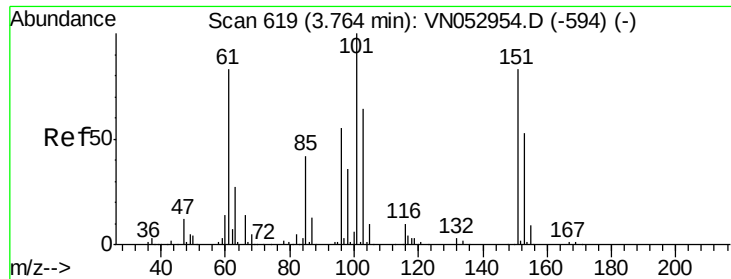


#8

Diethyl Ether
 Concen: 50.237 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.239 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

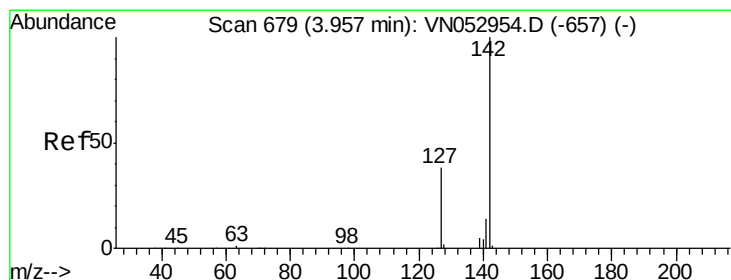
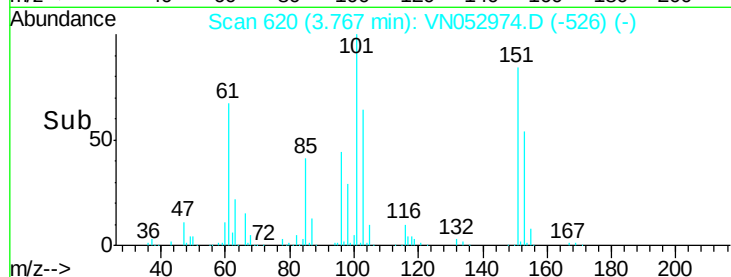
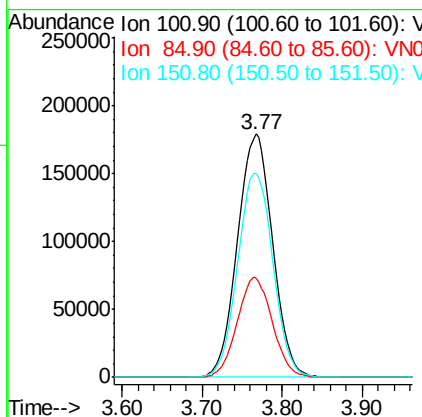
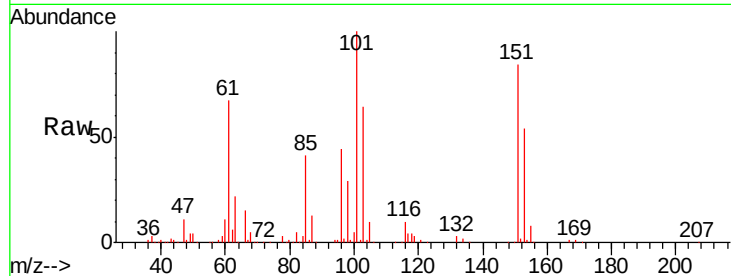
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	534319
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.6	50.4
151	84.5	65.5	98.3

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#10

Methyl Iodide

Concen: 51.867 ug/l

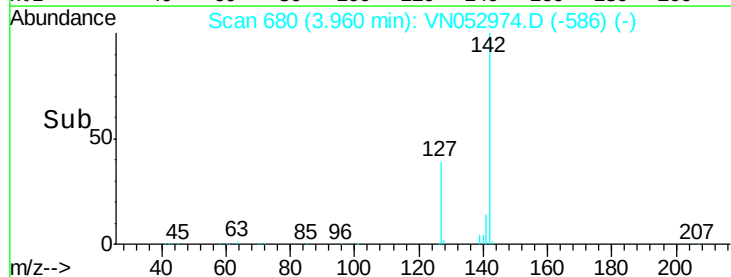
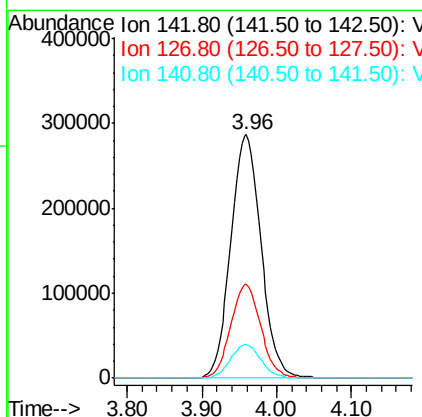
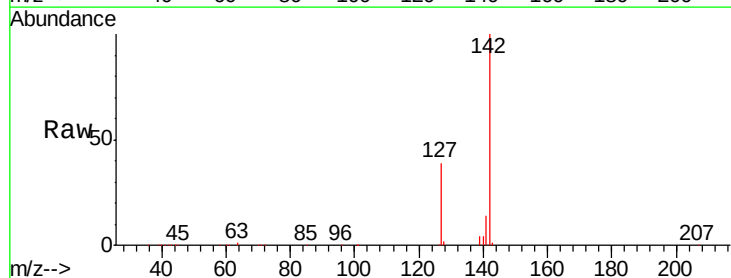
RT: 3.96 min Scan# 680

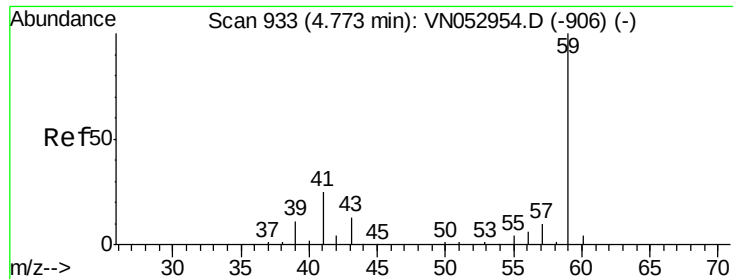
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	142	Resp:	806798
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	13.8	11.2	16.8





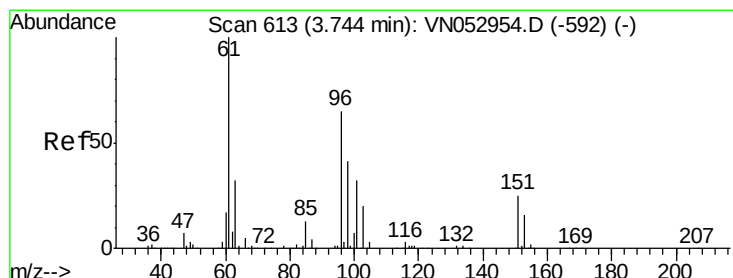
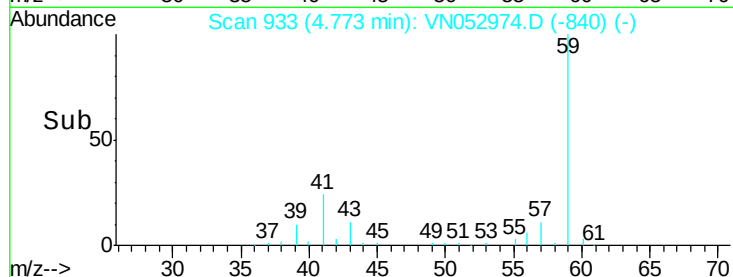
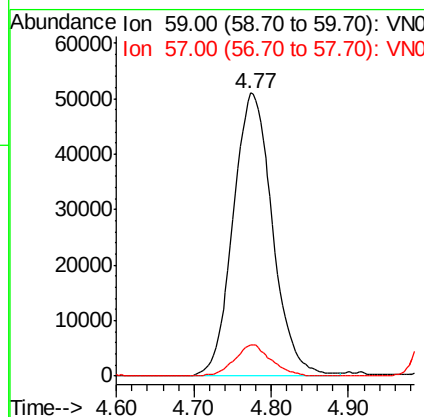
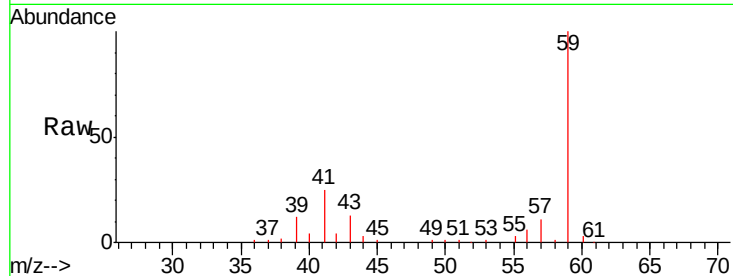
#11
Tert butyl alcohol
Concen: 260.316 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 180973
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

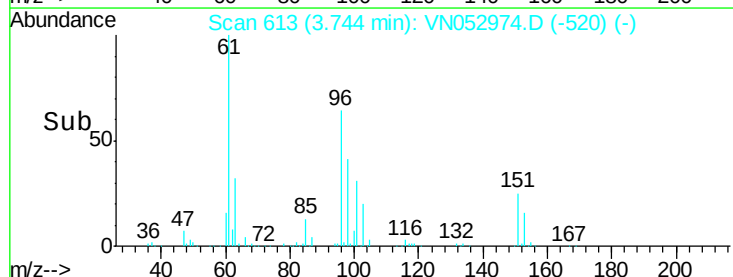
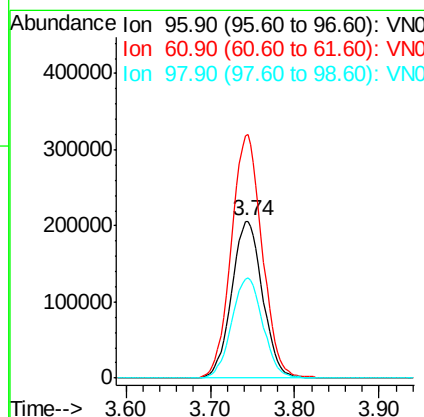
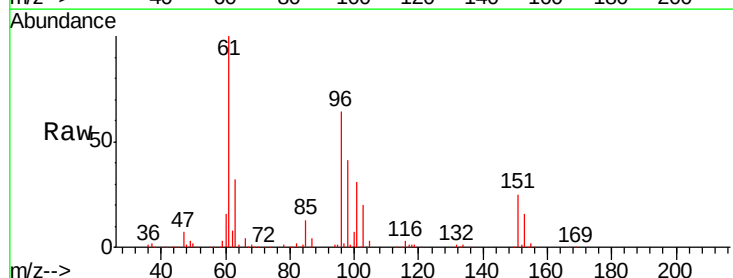
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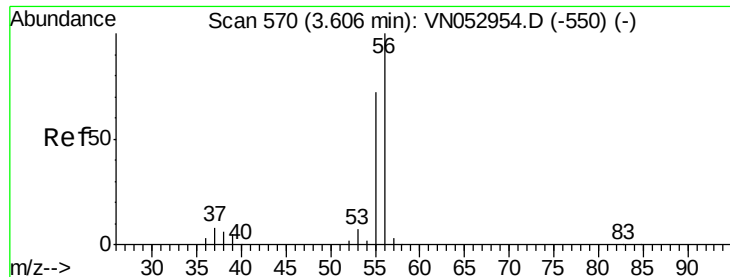
MMDadoda
12/19/2018 12:07:32 PM



#12
1,1-Dichloroethene
Concen: 49.191 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion: 96 Resp: 526406
Ion Ratio Lower Upper
96 100
61 155.2 125.6 188.4
98 63.9 50.6 75.8





#13

Acrolein

Concen: 337.578 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 212799

Ion Ratio Lower Upper

56 100

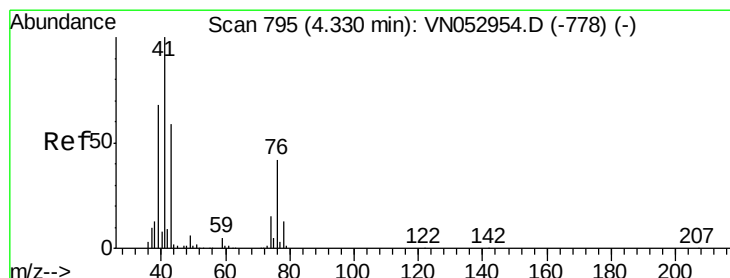
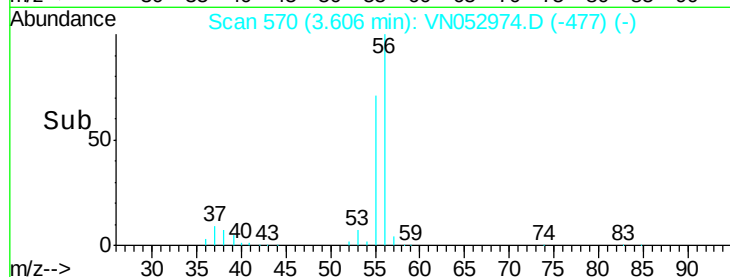
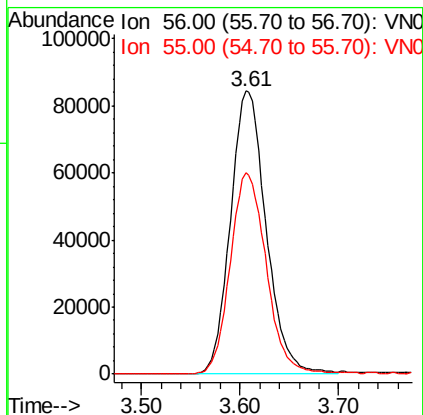
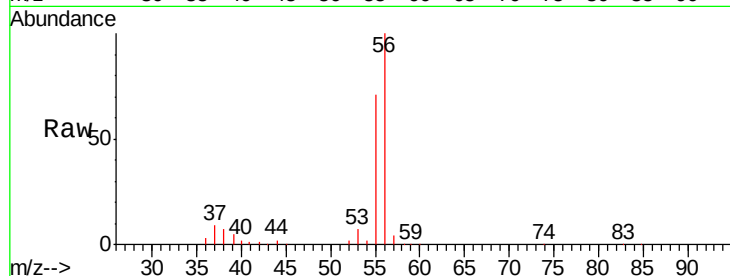
55 72.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.339 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

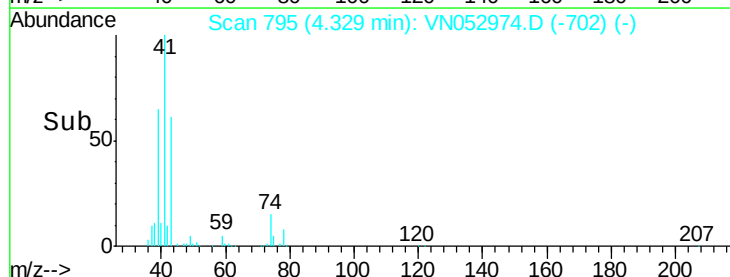
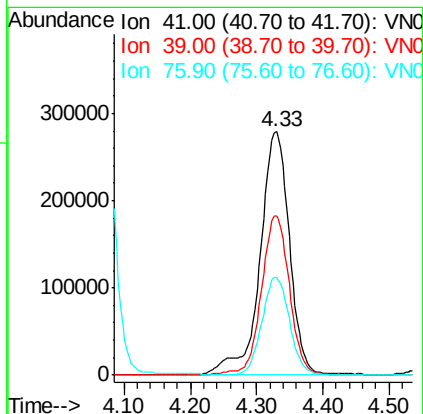
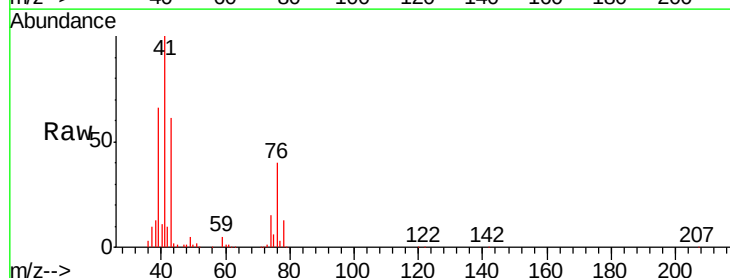
Tgt Ion: 41 Resp: 867564

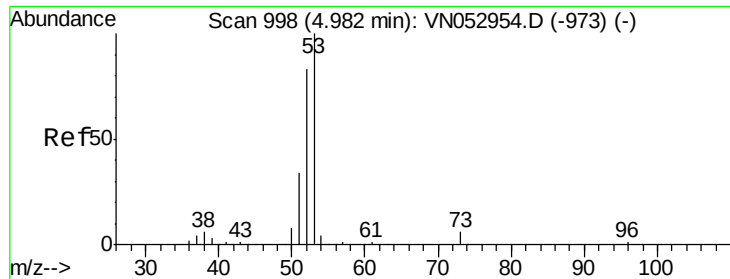
Ion Ratio Lower Upper

41 100

39 62.2 54.1 81.1

76 37.4 30.3 45.5





#15

Acrylonitrile

Concen: 254.959 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

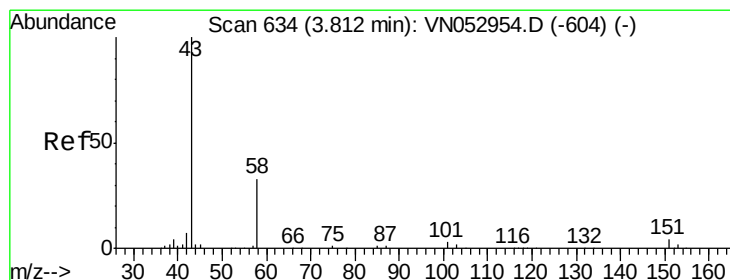
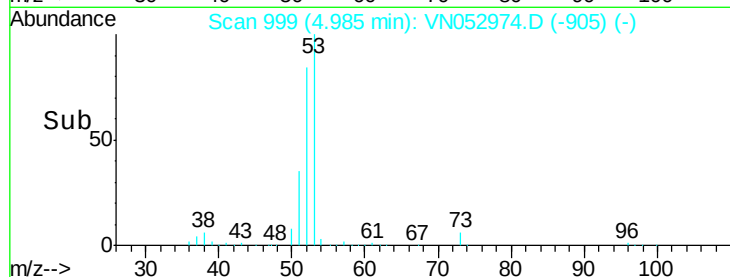
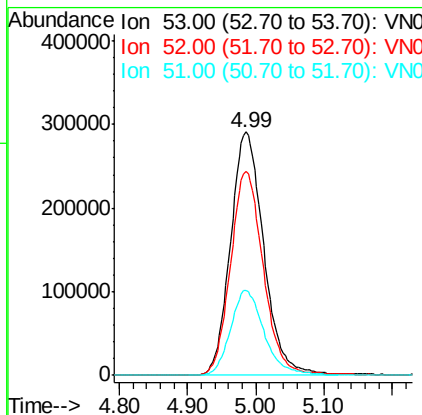
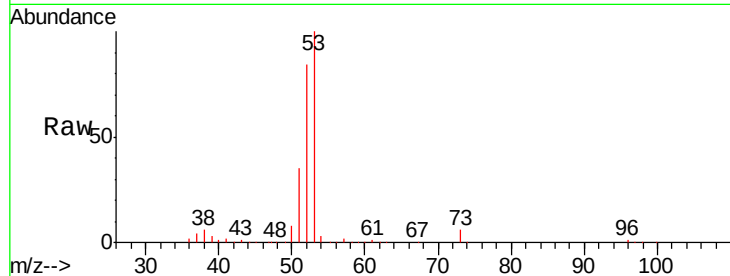
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	984705
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.1	97.7
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 271.394 ug/l

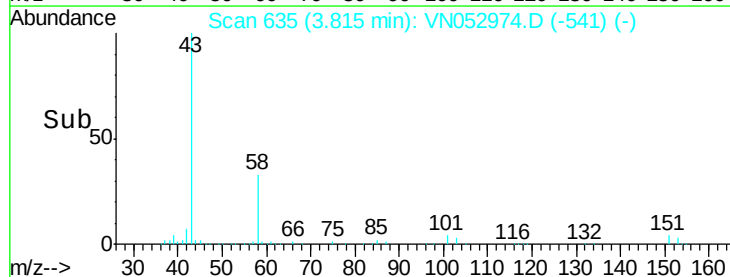
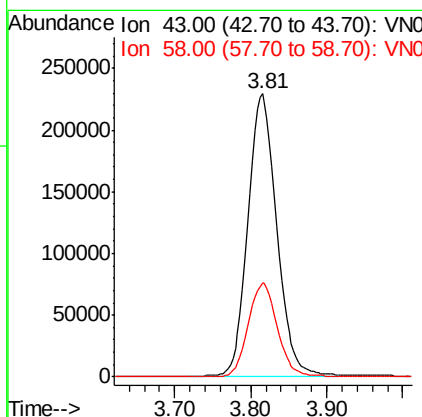
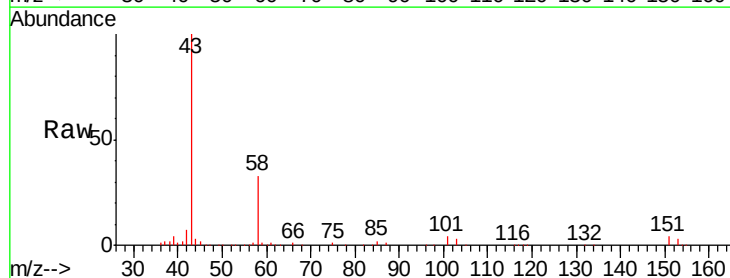
RT: 3.81 min Scan# 635

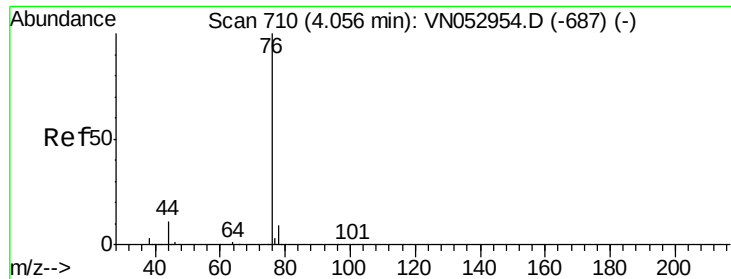
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	43	Resp:	606284
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.0





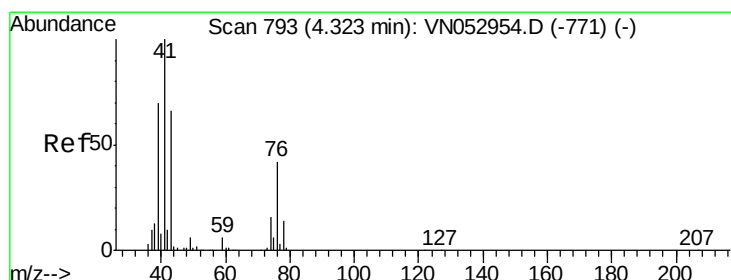
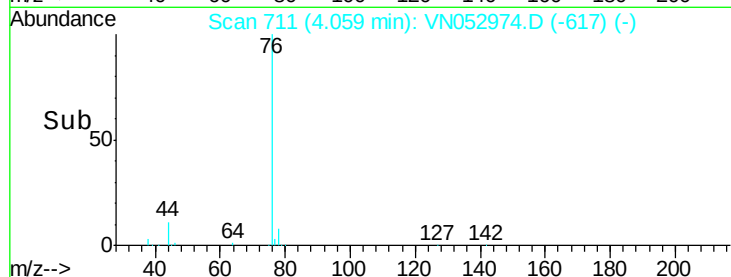
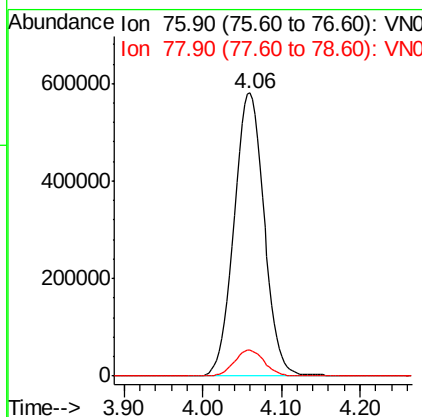
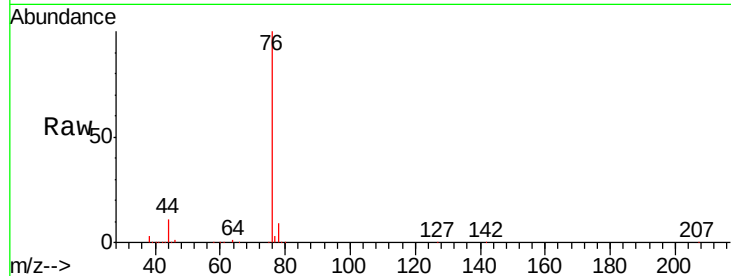
#17
Carbon Disulfide
Concen: 44.562 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1555190
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

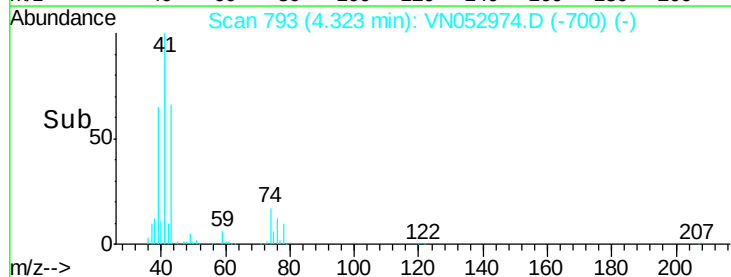
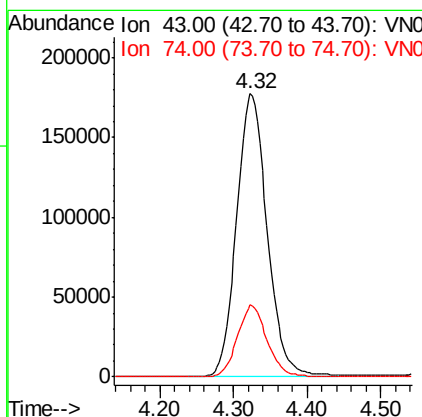
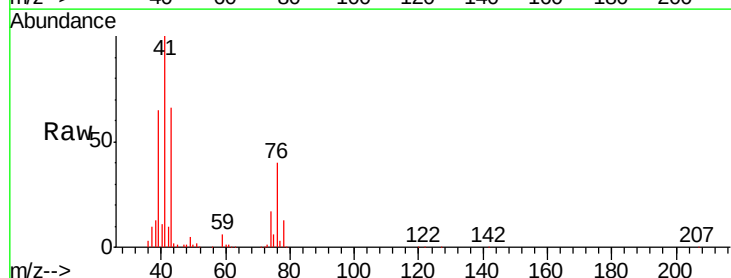
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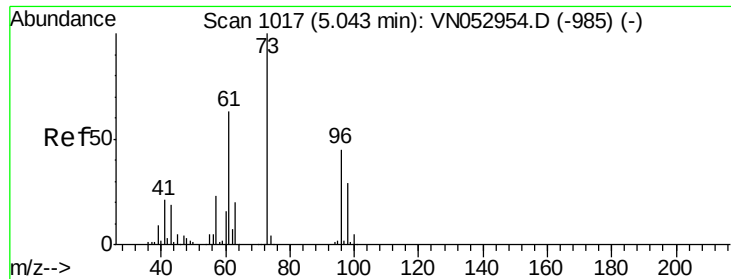
MMDadoda
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#18
Methyl Acetate
Concen: 50.344 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion: 43 Resp: 510526
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 51.632 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 1478612

Ion Ratio Lower Upper

73 100

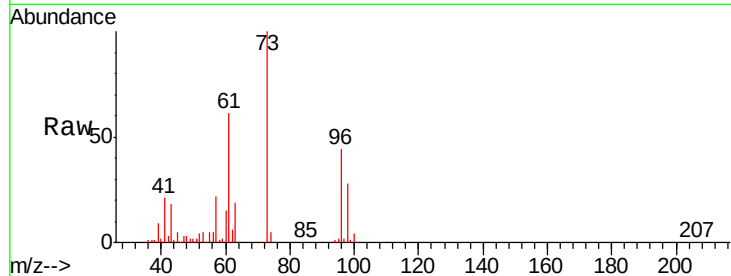
57 22.5 18.4 27.6

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Abundance Ion 73.00 (72.70 to 73.70): VN052954.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-985) (-)

5.05

400000

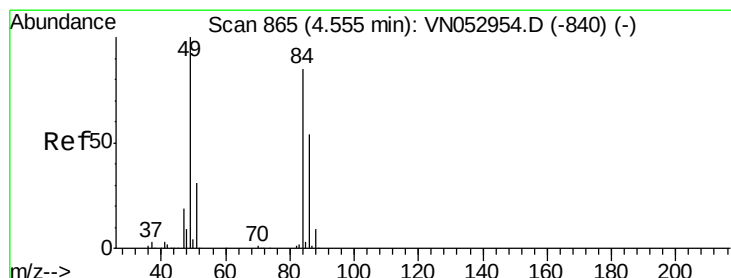
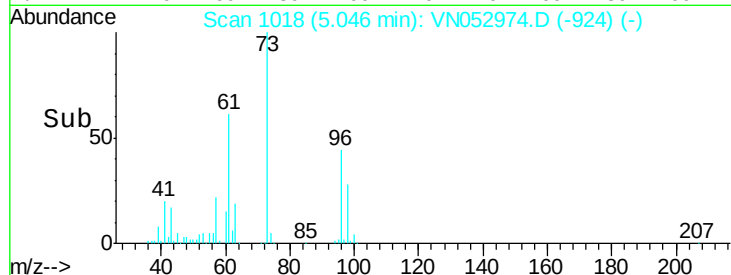
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 49.211 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion: 84 Resp: 599683

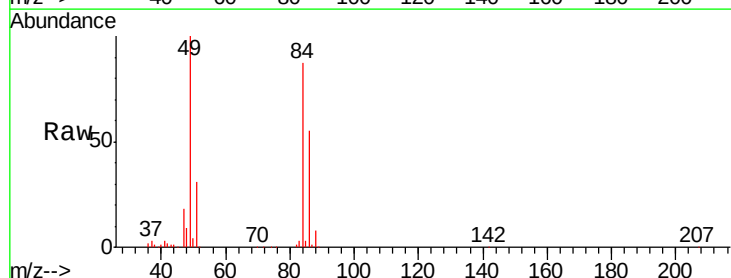
Ion Ratio Lower Upper

84 100

49 114.9 96.8 145.2

51 35.5 29.9 44.9

86 62.6 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052954.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN052954.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN052954.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN052954.D (-840) (-)

4.55

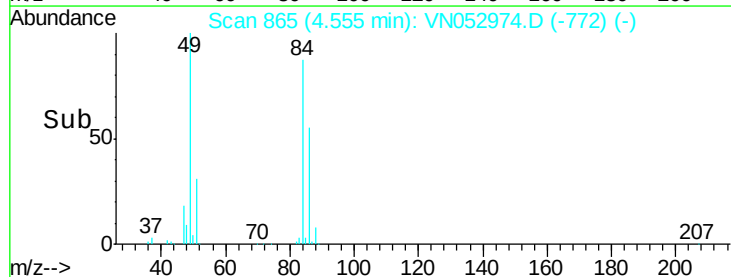
300000

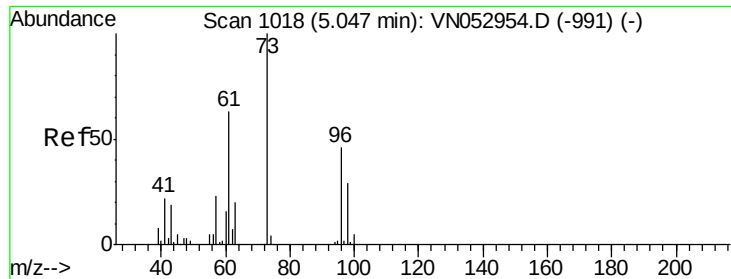
200000

100000

0

Time-->





#21

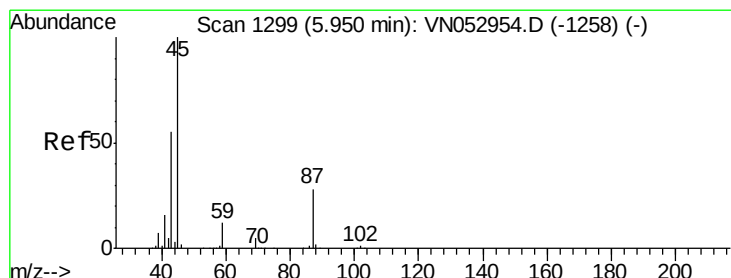
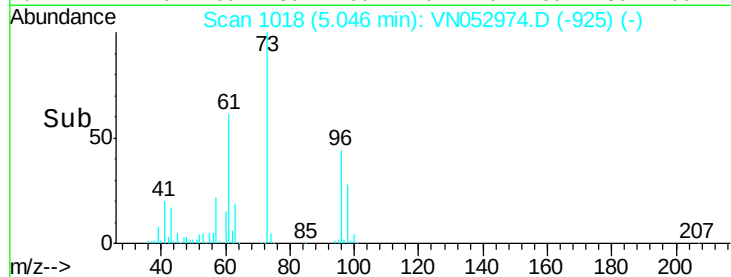
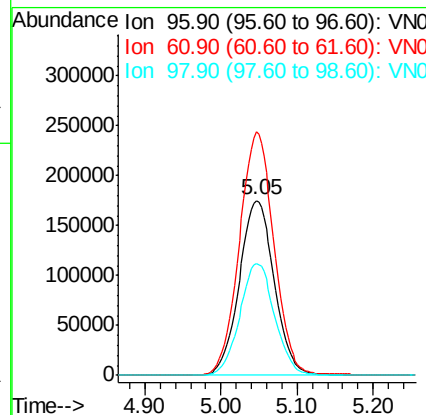
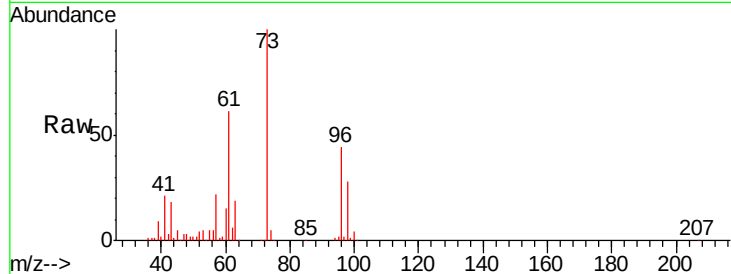
trans-1,2-Dichloroethene
Concen: 48.687 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	110.8	166.2
98	63.6	51.4	77.2

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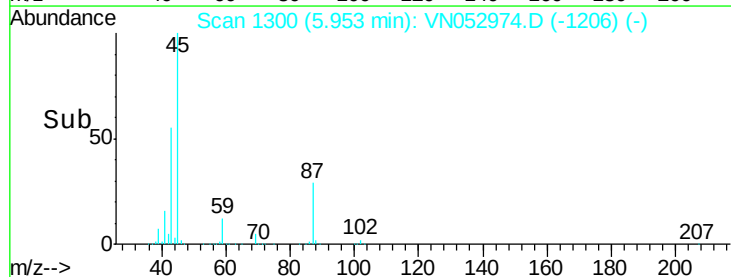
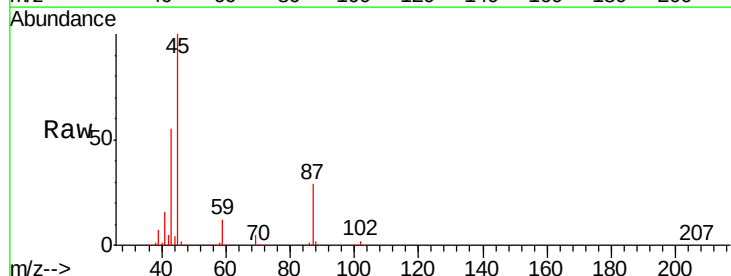
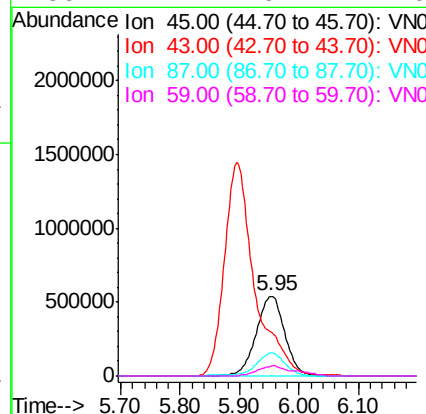
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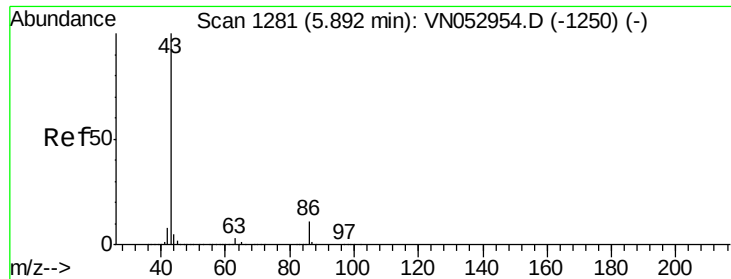


#22

Diisopropyl ether
Concen: 51.681 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.5	68.3
87	29.2	22.0	33.0
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 250.363 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5093746

Ion Ratio Lower Upper

43 100

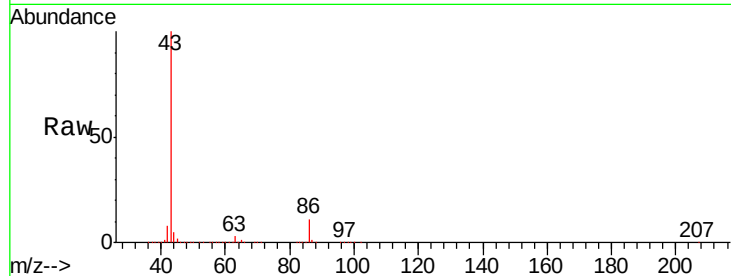
86 10.6 8.1 12.1

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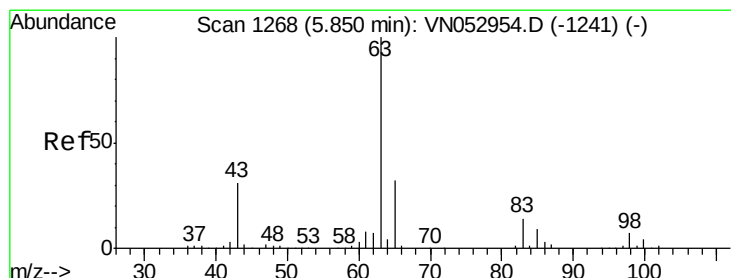
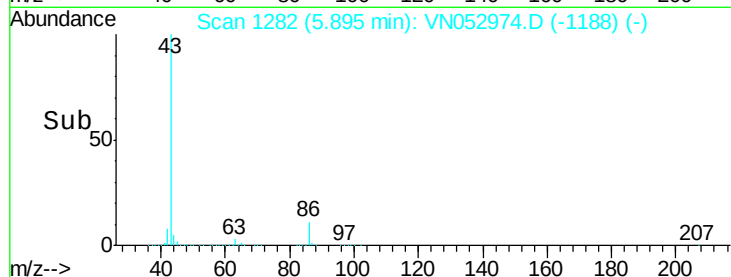
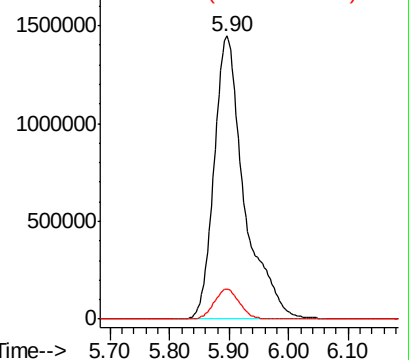
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.938 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

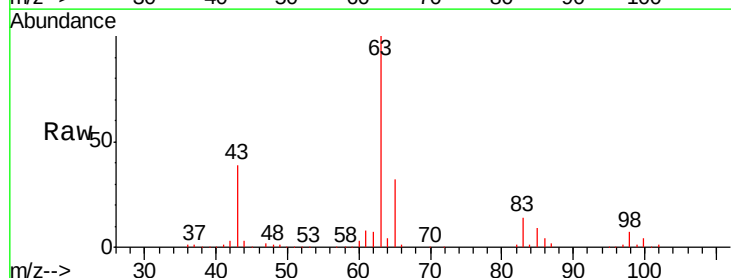
Tgt Ion: 63 Resp: 1049921

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

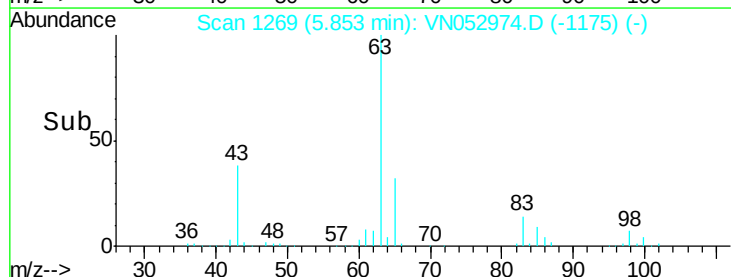
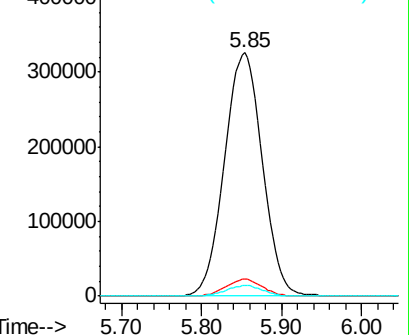
100 4.3 2.0 5.8

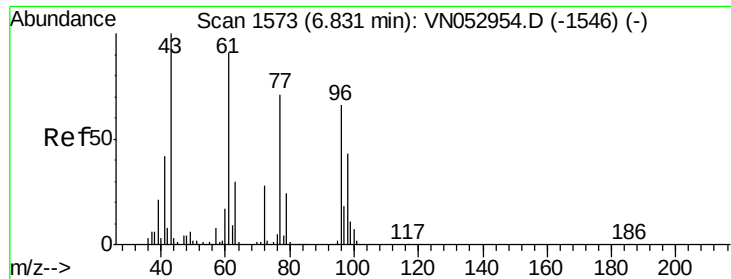


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 276.377 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1036176

Ion Ratio Lower Upper

43 100

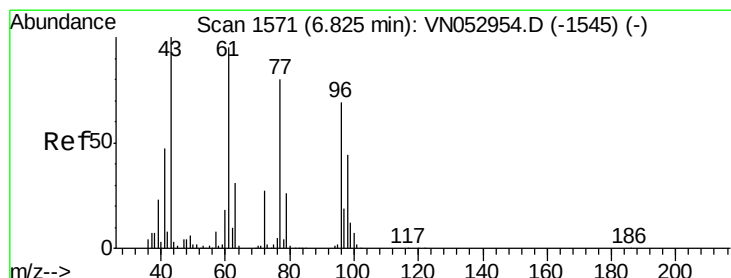
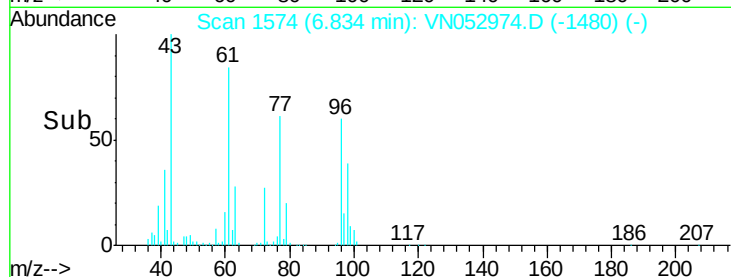
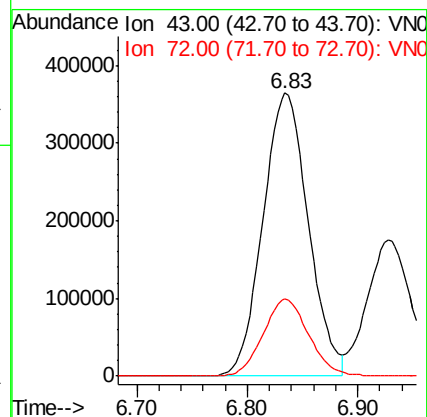
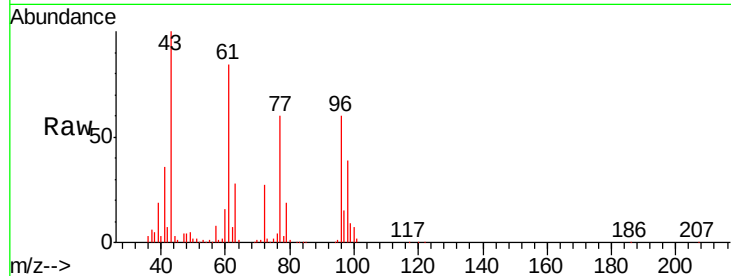
72 27.2 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.715 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052974.D

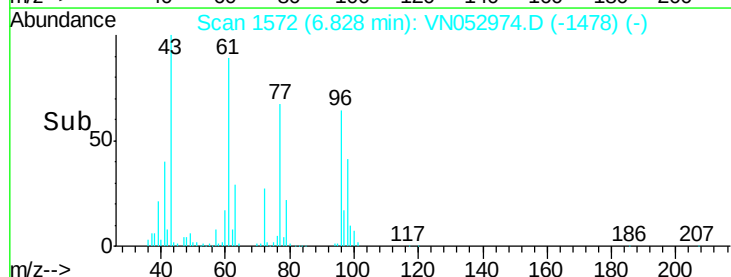
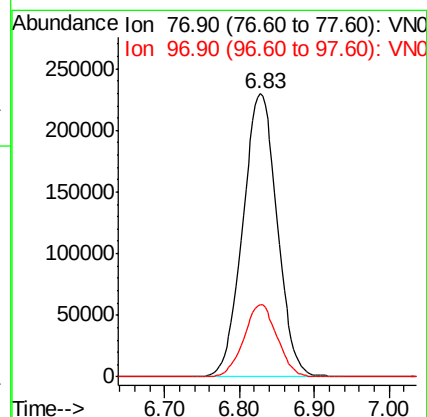
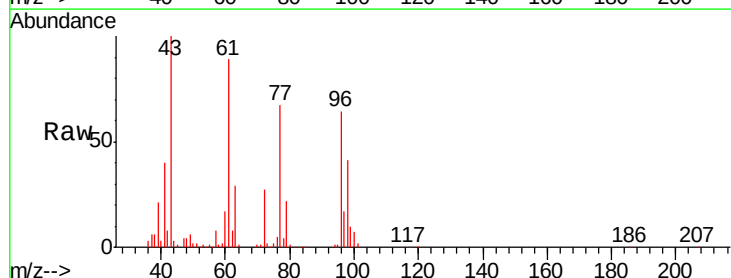
Acq: 18 Dec 2018 21:31

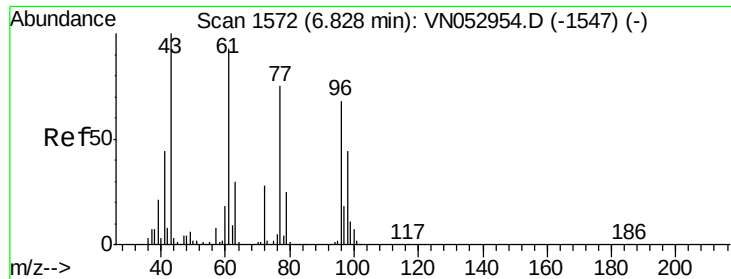
Tgt Ion: 77 Resp: 733703

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.717 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

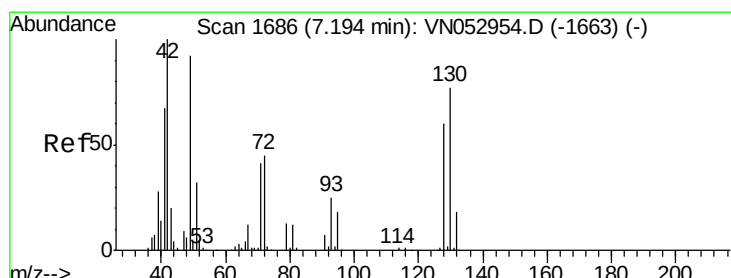
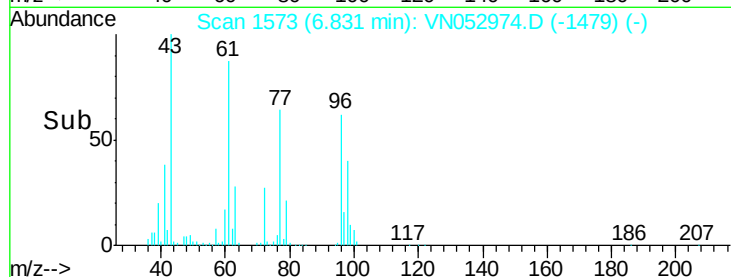
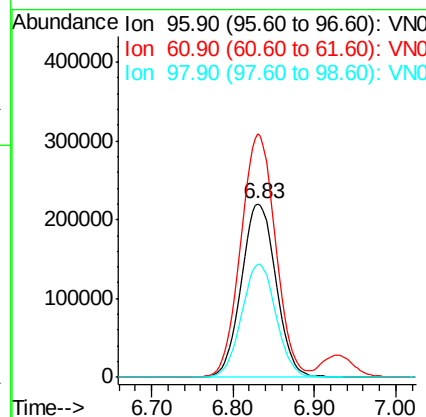
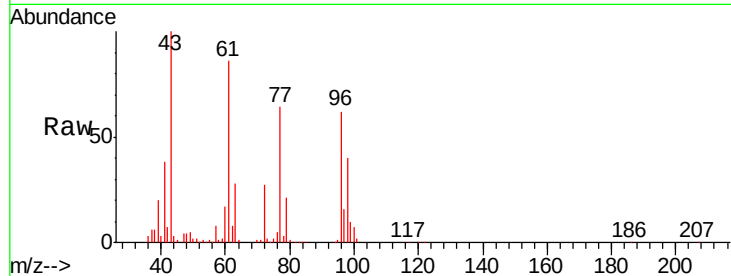
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	647144
Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	284.2
98	64.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 51.429 ug/l

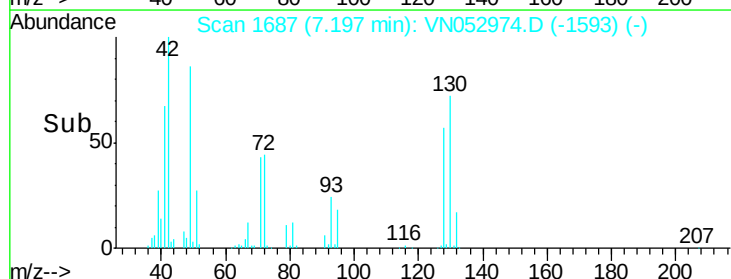
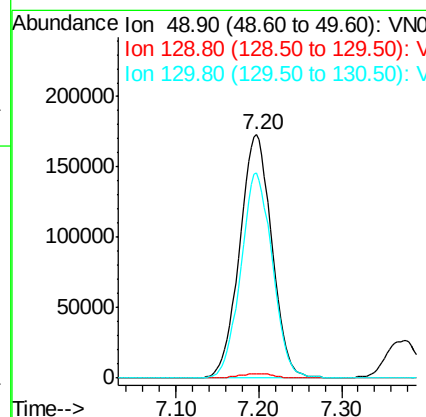
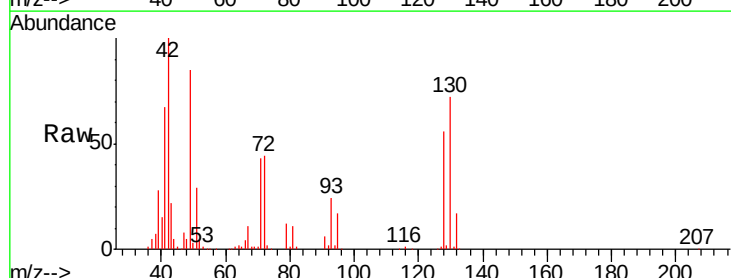
RT: 7.20 min Scan# 1687

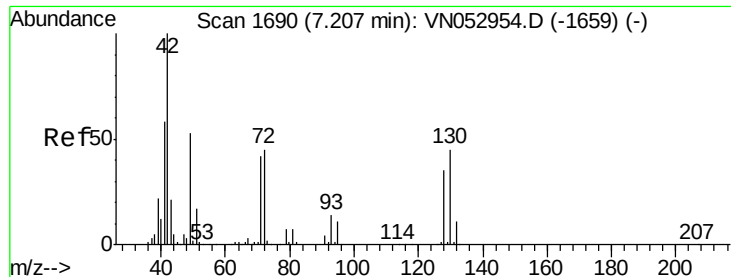
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	49	Resp:	468539
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.7	63.3	94.9





#29

Tetrahydrofuran

Concen: 262.675 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

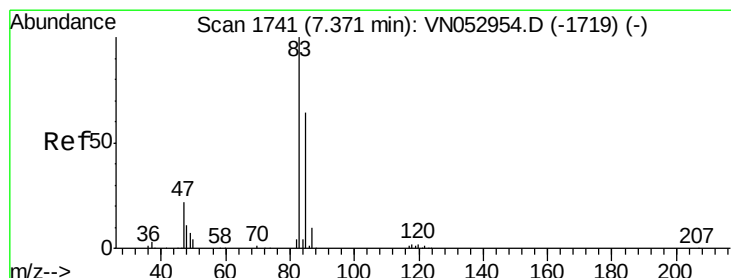
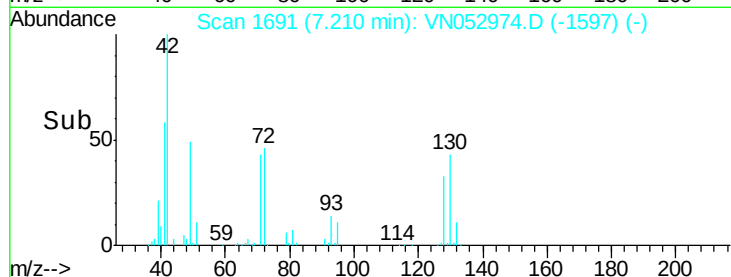
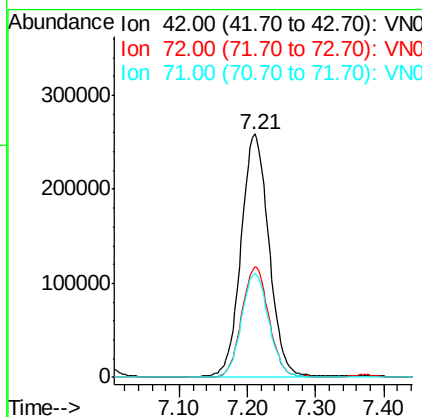
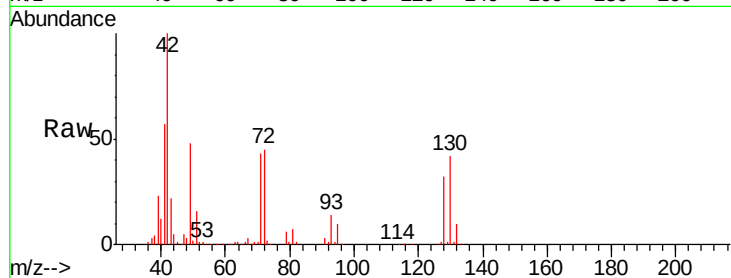
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	735521
Ion Ratio		Lower	Upper
42	100		
72	44.5	34.7	52.1
71	42.0	32.3	48.5

Manual Integrations
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#30

Chloroform

Concen: 49.978 ug/l

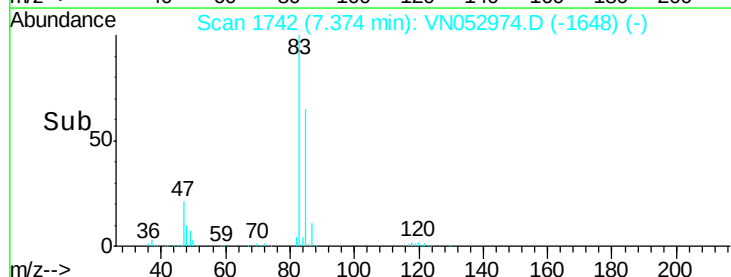
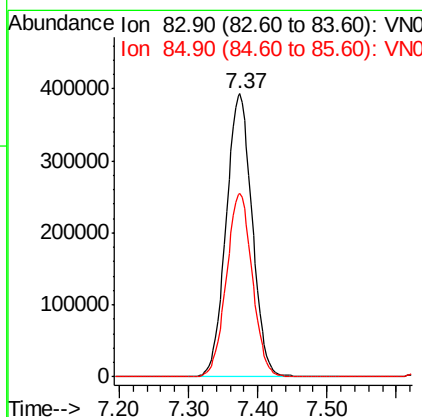
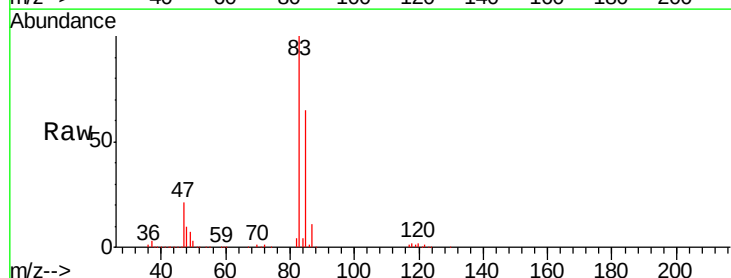
RT: 7.37 min Scan# 1742

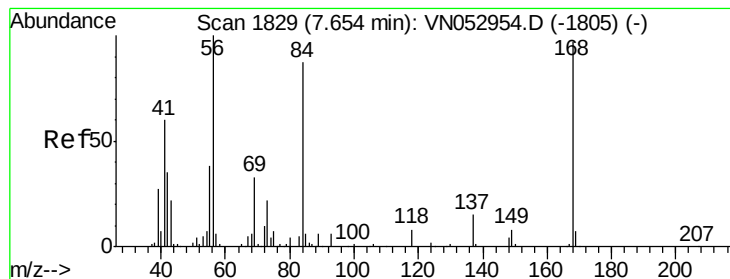
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	83	Resp:	1032219
Ion Ratio		Lower	Upper
83	100		
85	65.0	52.1	78.1





#31

Cyclohexane

Concen: 50.113 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 988116
Ion Ratio Lower Upper

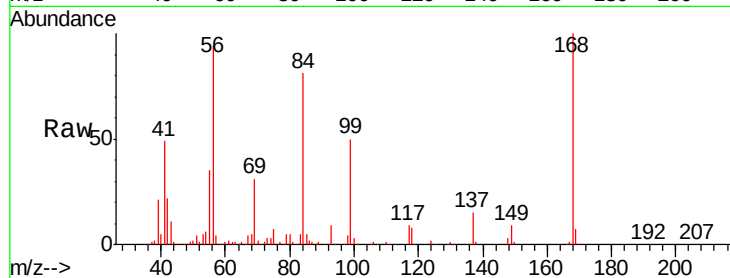
56 100

69 32.7 26.6 39.8

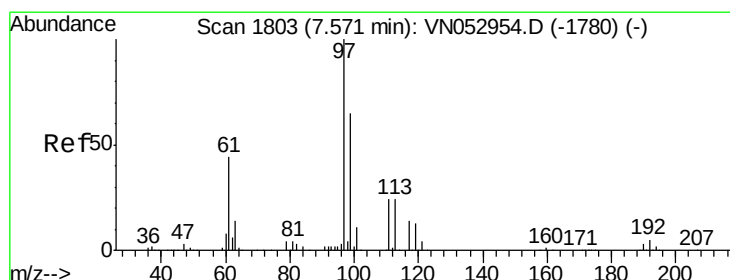
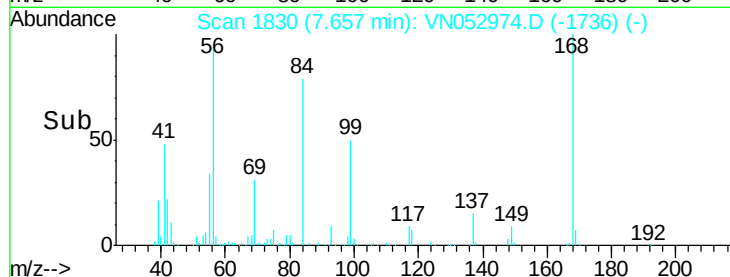
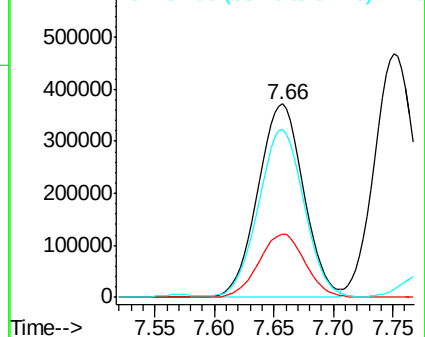
84 85.4 68.4 102.6

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.353 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052974.D

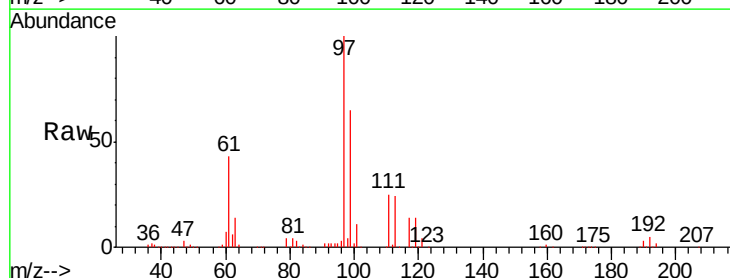
Acq: 18 Dec 2018 21:31

Tgt Ion: 97 Resp: 868337
Ion Ratio Lower Upper

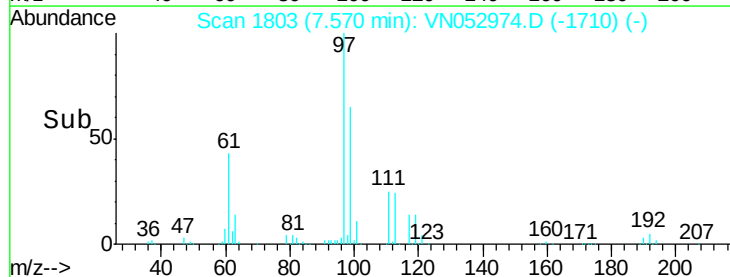
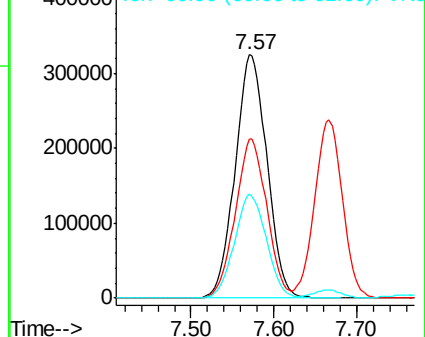
97 100

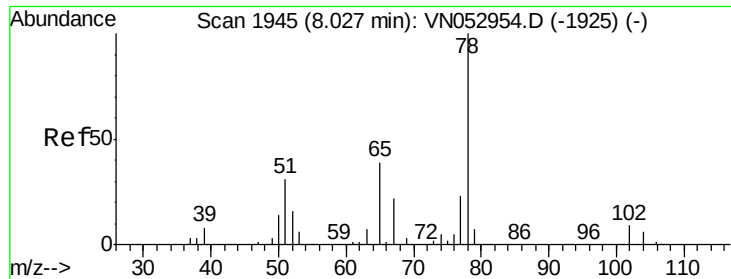
99 64.5 51.1 76.7

61 42.7 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





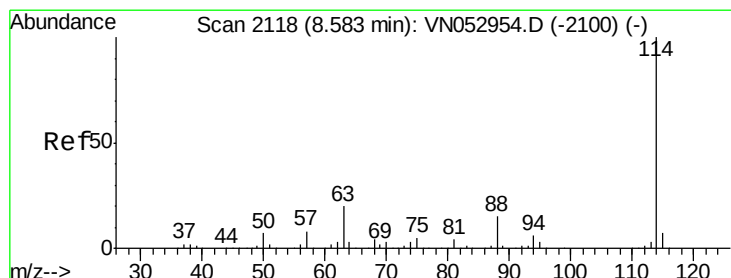
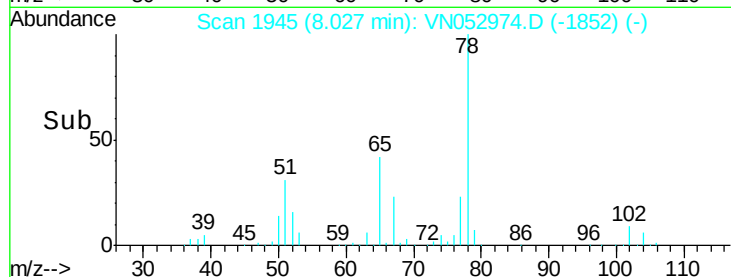
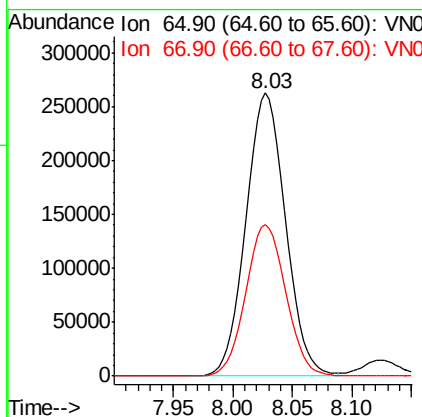
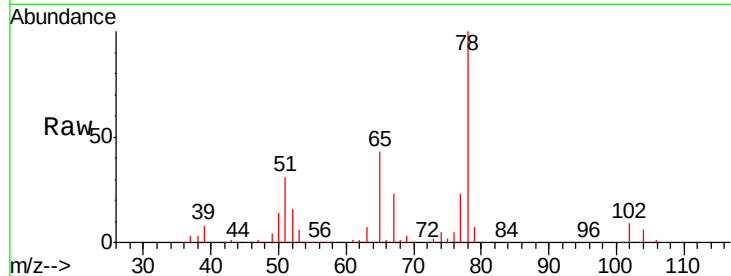
#33
 1,2-Dichloroethane-d4
 Concen: 49.353 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 606247
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.4

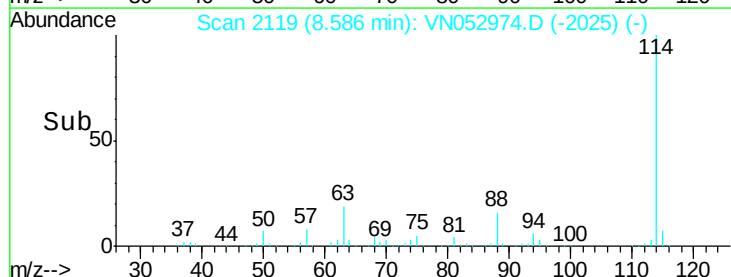
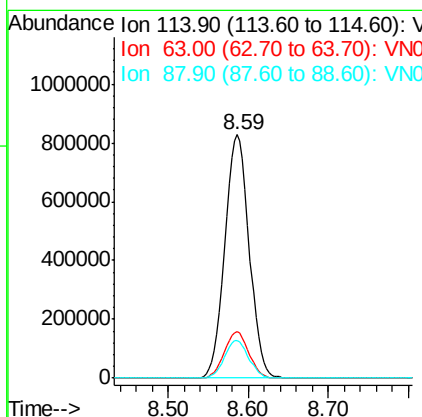
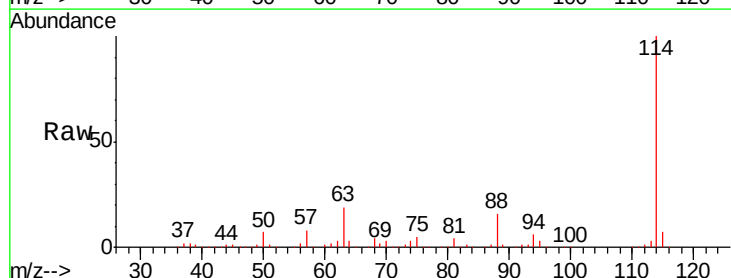
Manual Integrations
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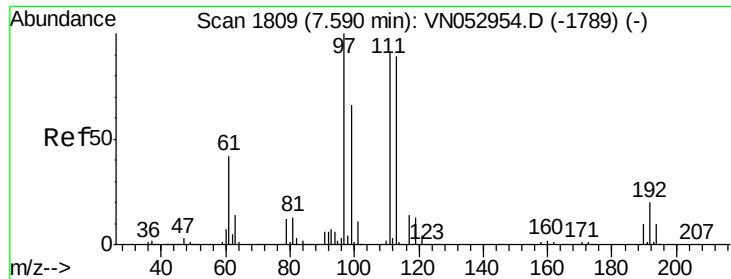
MMDadoda
 12/19/2018 12:07:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion: 114 Resp: 1725204
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.7 0.0 31.0





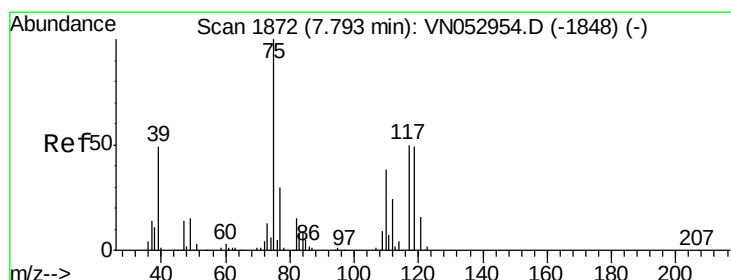
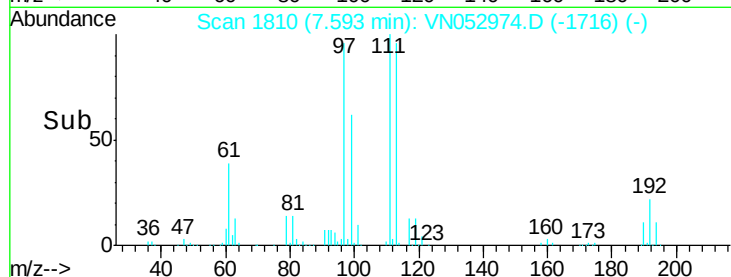
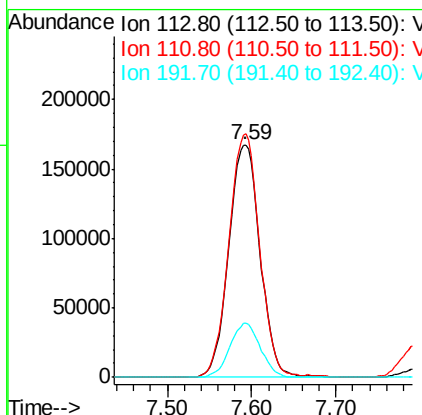
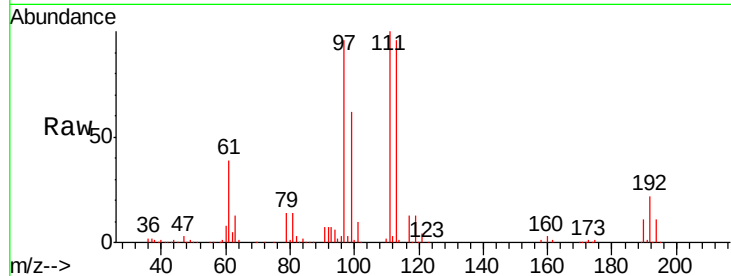
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	433759		
111	102.3	83.0	124.4	
192	22.6	17.5	26.3	

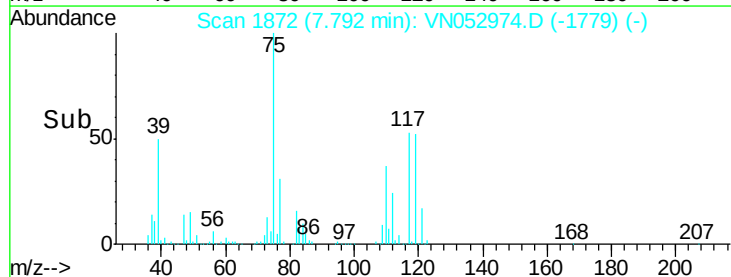
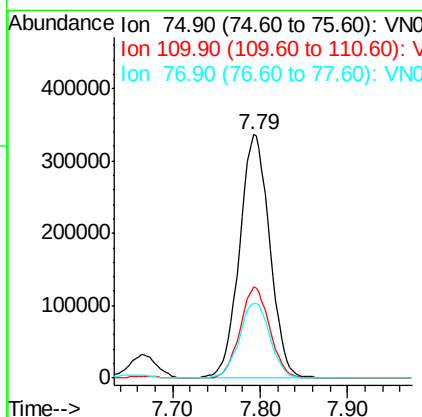
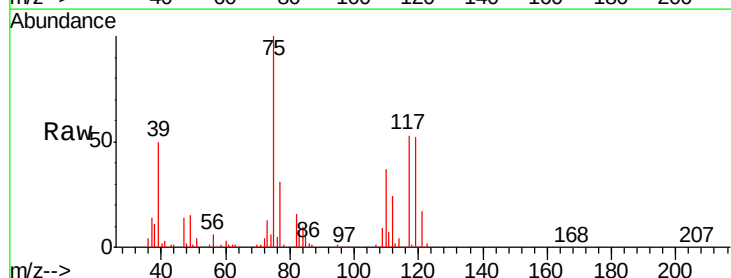
Manual Integrations
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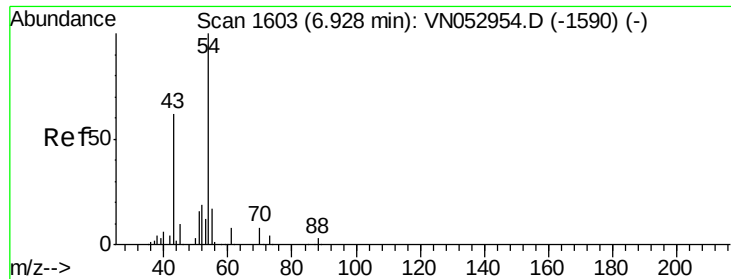
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.598 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	804729		
110	36.8	18.2	54.6	
77	31.4	24.9	37.3	





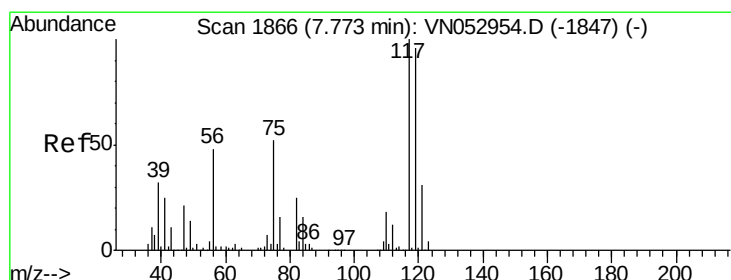
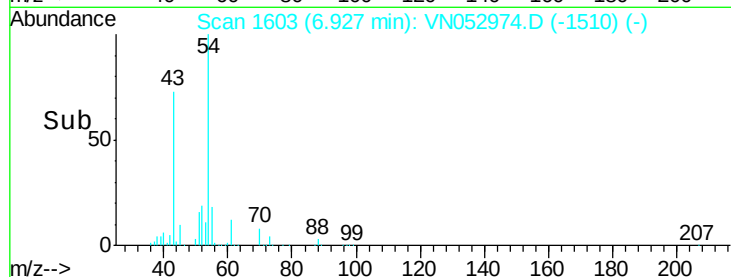
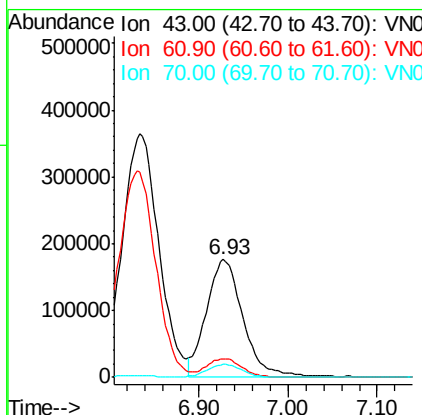
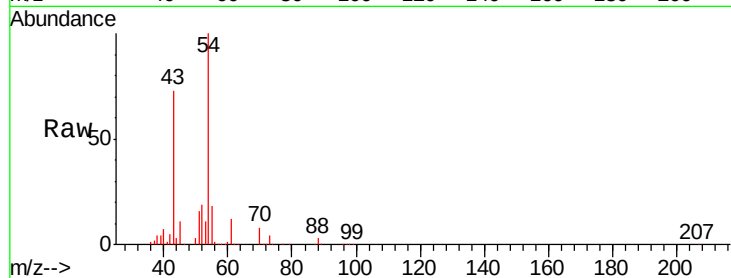
#37
Ethyl Acetate
Concen: 53.491 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.8	8.4	12.6

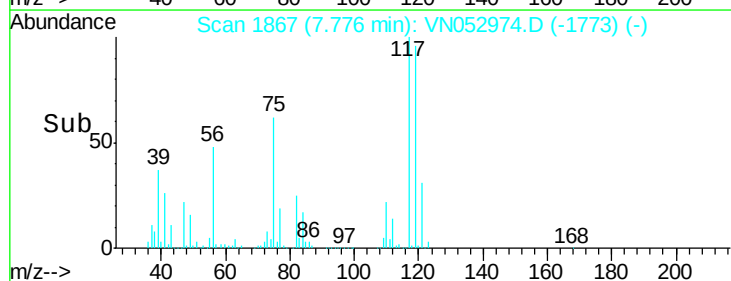
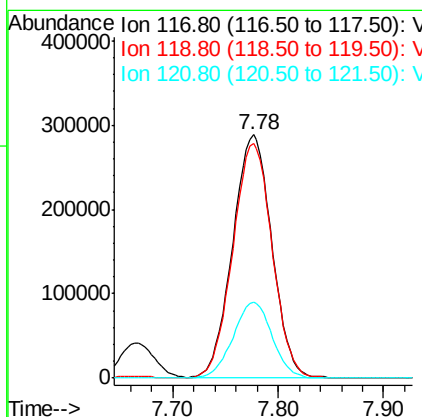
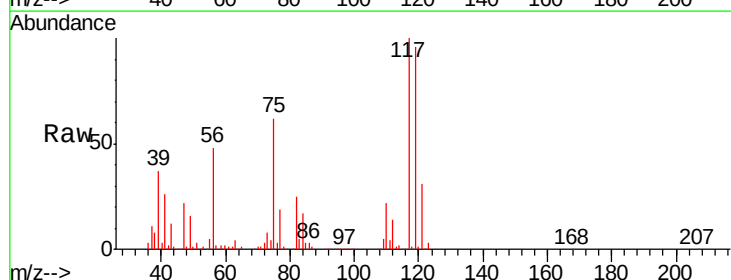
Manual Integrations
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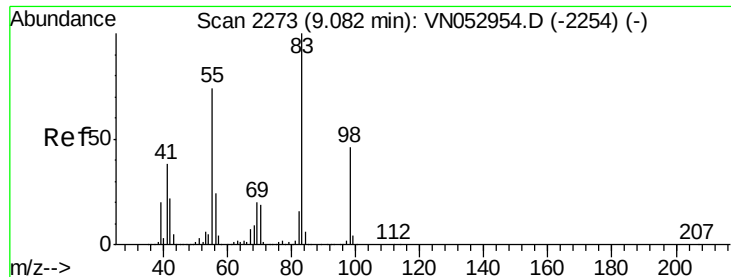
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#38
Carbon Tetrachloride
Concen: 48.910 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.1	115.7
121	31.2	24.9	37.3





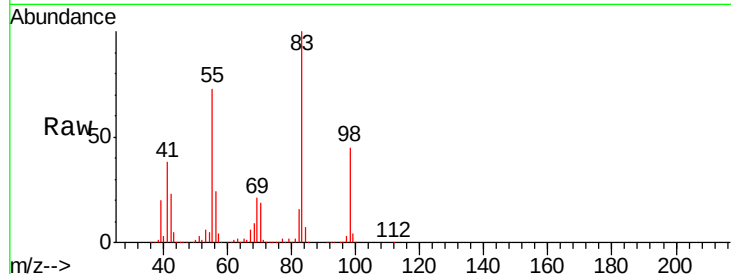
#39
Methylcyclohexane
Concen: 48.157 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

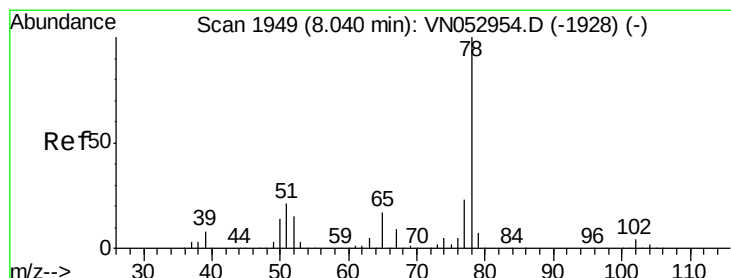
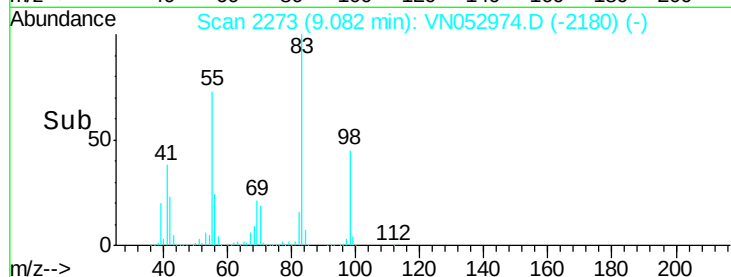
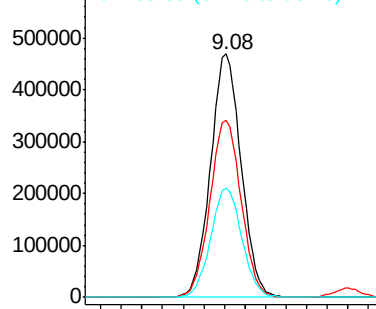
Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.8	61.3	91.9
98	44.7	37.0	55.4

Manual Integrations
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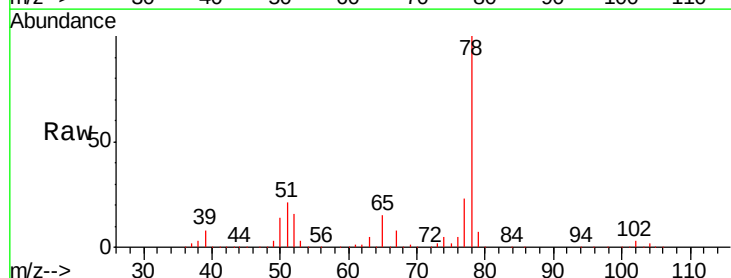


Abundance Ion 83.00 (82.70 to 83.70): VN052954.D (-2254) (-)

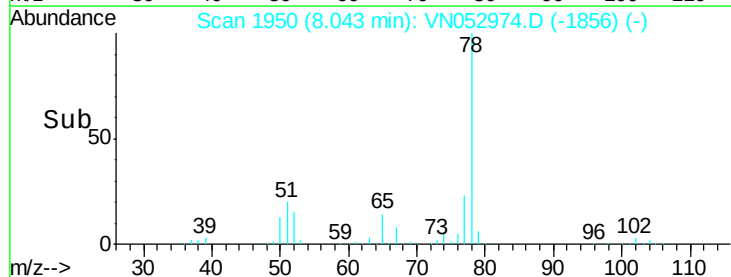
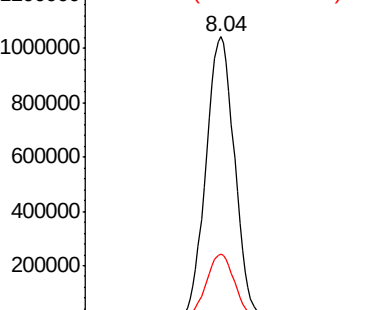


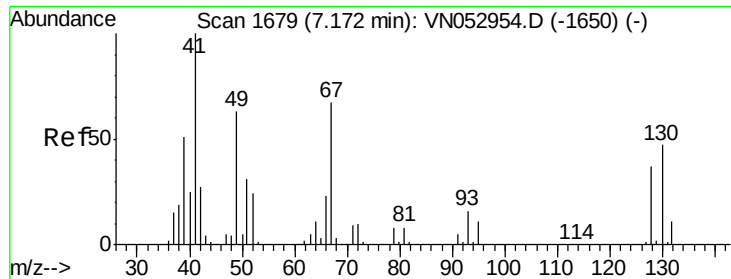
#40
Benzene
Concen: 49.545 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN052954.D (-1928) (-)





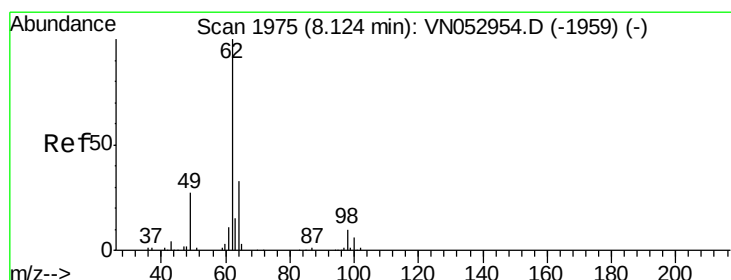
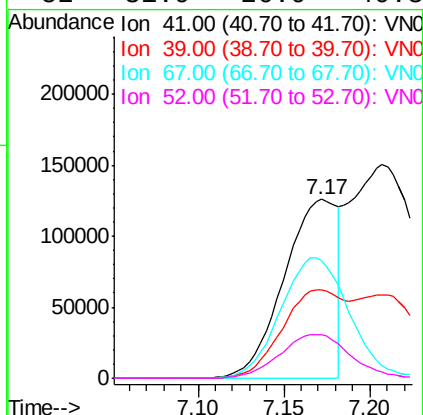
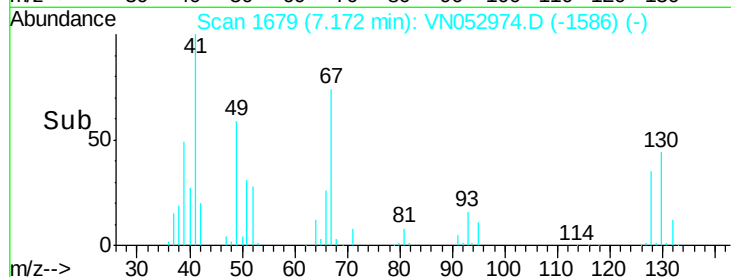
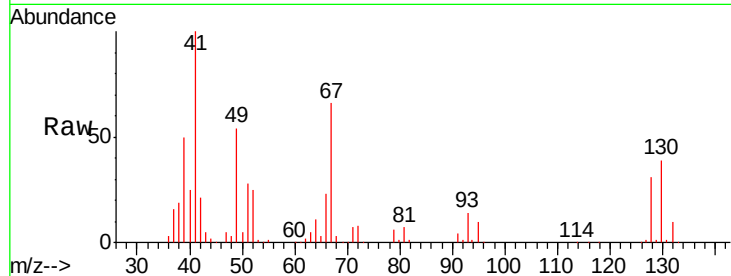
#41
Methacrylonitrile
Concen: 50.632 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	270434
Ion	Ratio	Lower	Upper
41	100		
39	58.4	48.0	72.0
67	87.4	70.3	105.5
52	31.9	26.9	40.3

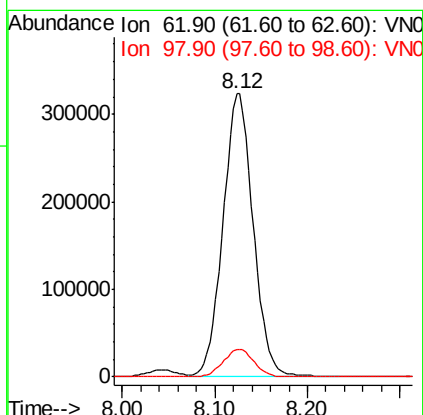
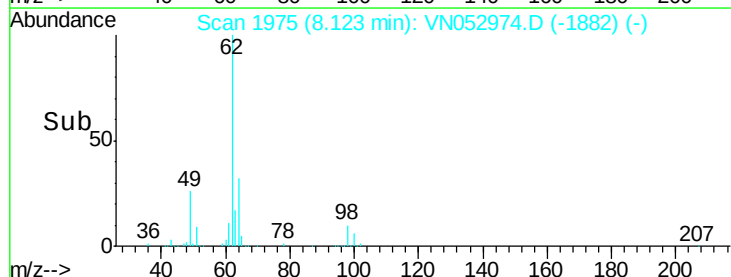
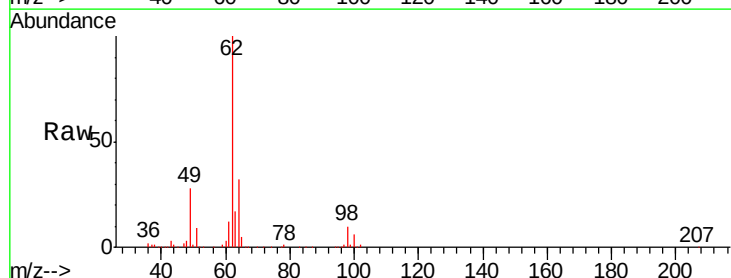
Manual Integrations
APPROVED

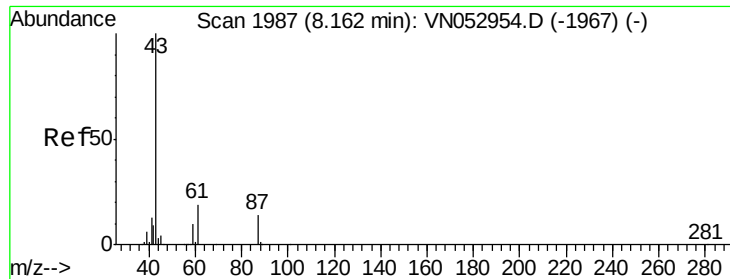
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.905 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion:	62	Resp:	726143
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 51.642 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

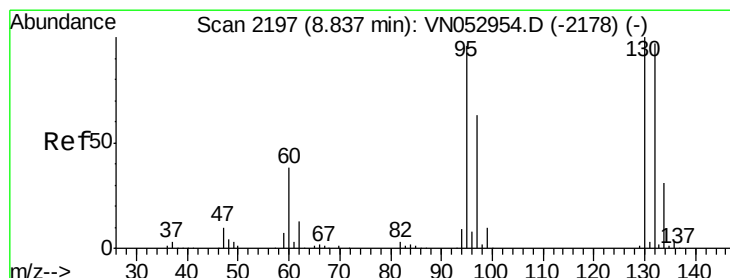
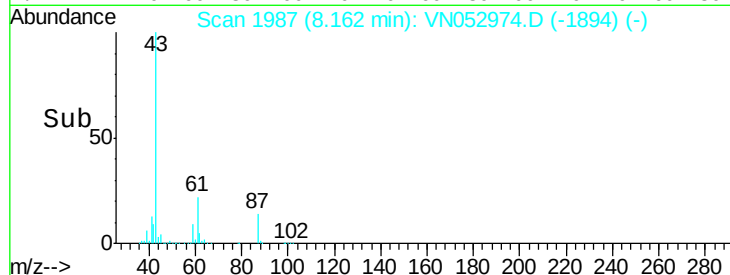
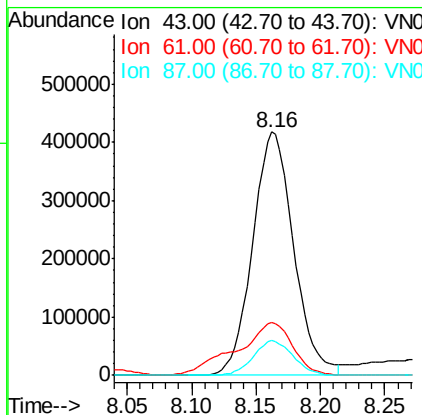
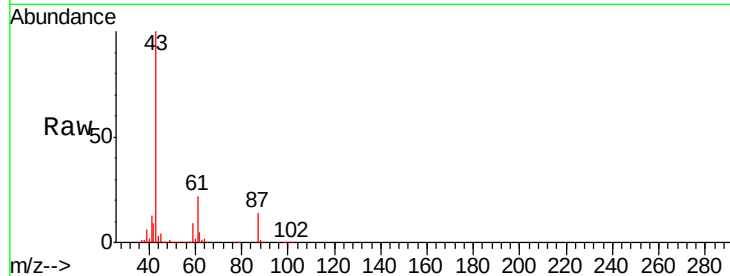
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	923204
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.9	10.6	15.8

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#44

Trichloroethene

Concen: 48.193 ug/l

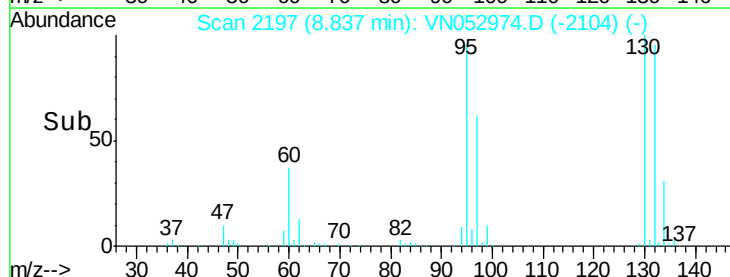
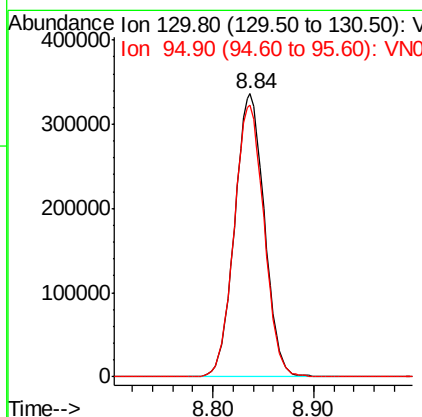
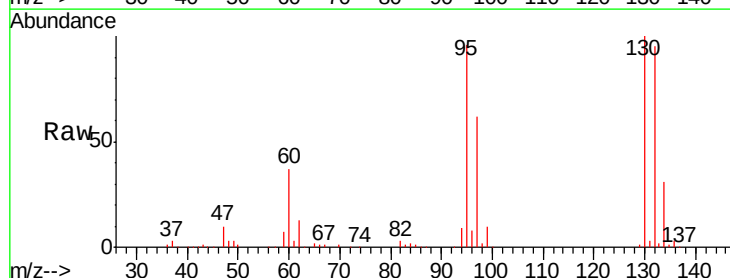
RT: 8.84 min Scan# 2197

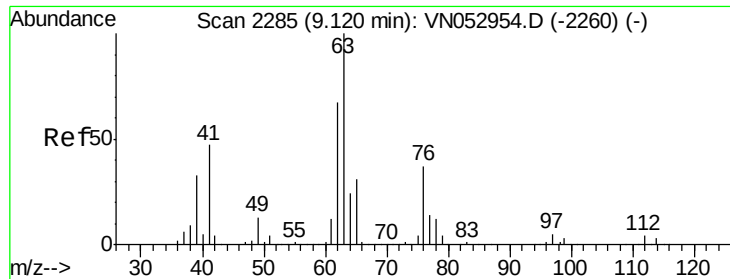
Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	130	Resp:	686579
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	197.8





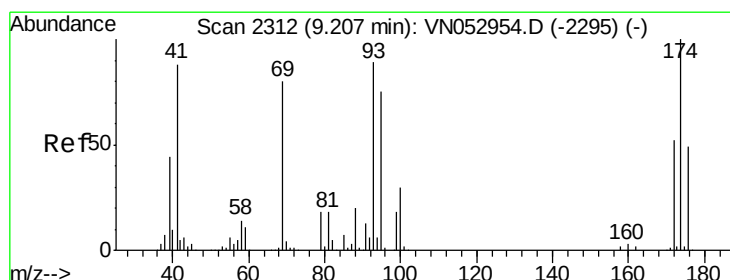
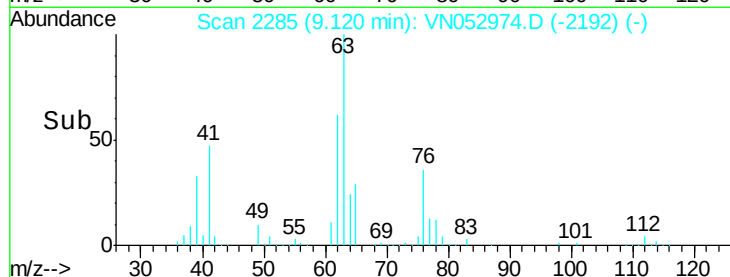
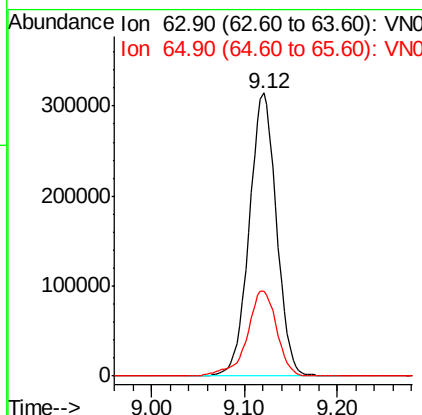
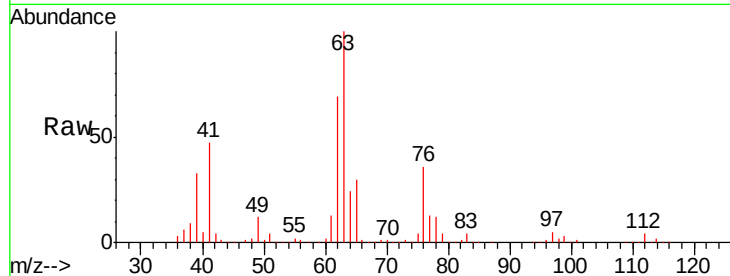
#45
 1,2-Dichloropropane
 Concen: 49.847 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 639505
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0

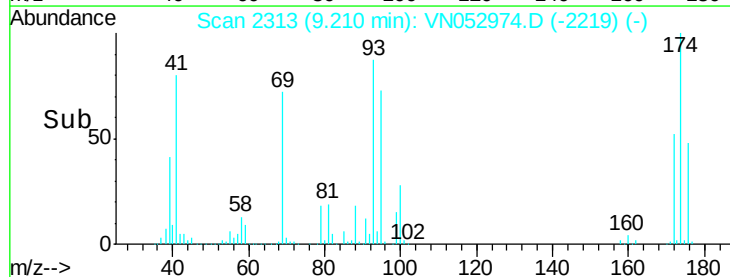
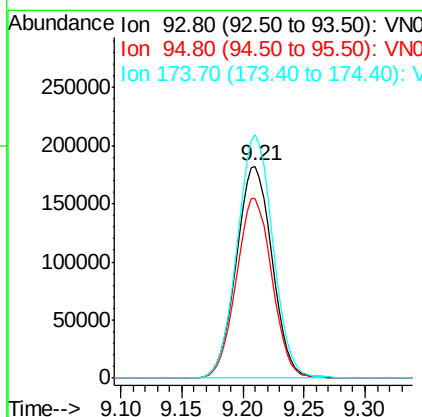
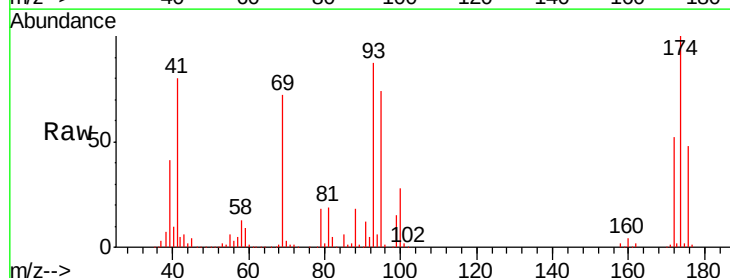
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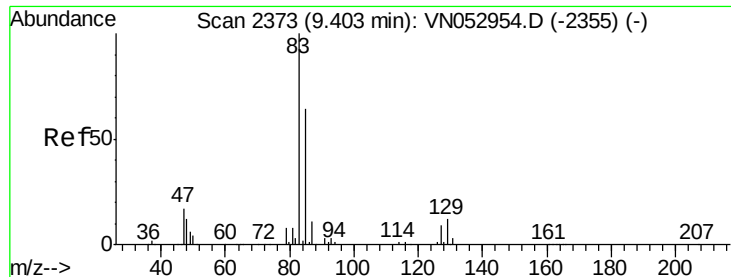
MMDadoda
 12/19/2018 12:07:32 PM



#46
 Dibromomethane
 Concen: 49.669 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion: 93 Resp: 371208
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.8 101.6
 174 114.0 89.0 133.4





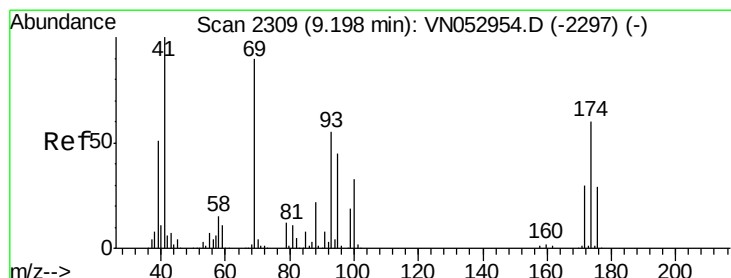
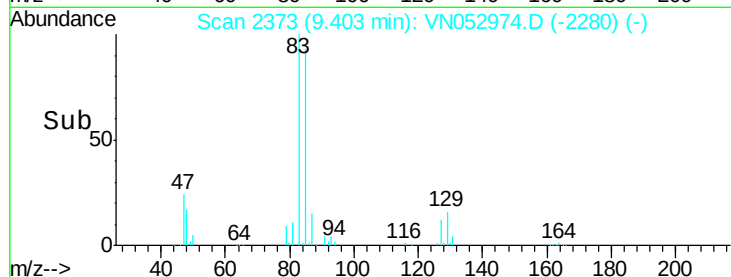
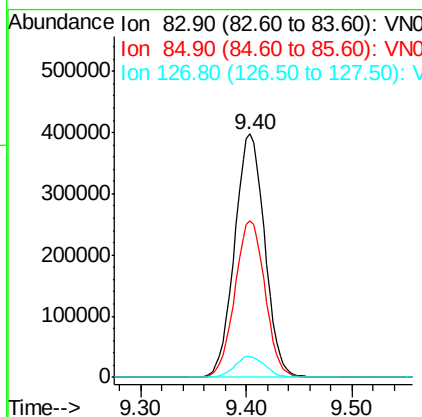
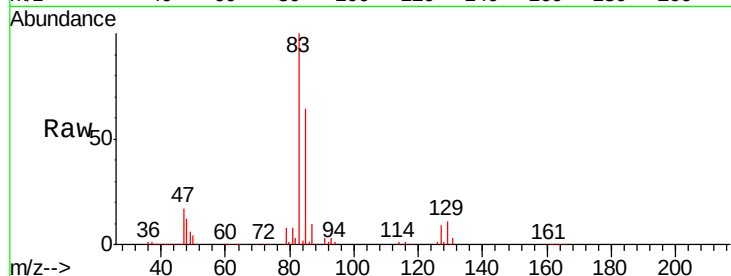
#47
Bromodichloromethane
Concen: 49.615 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.6	77.4
127	8.6	7.1	10.7

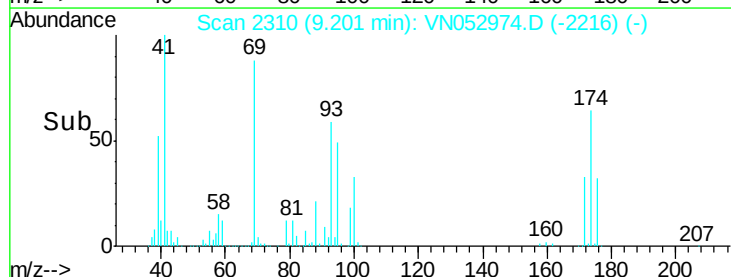
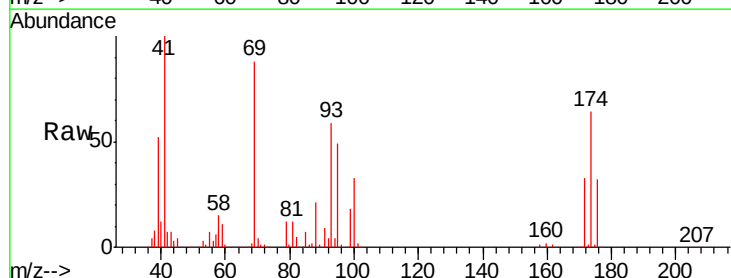
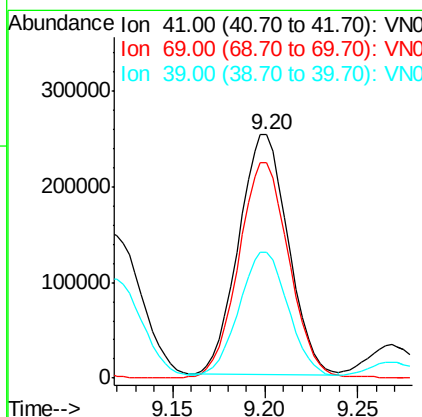
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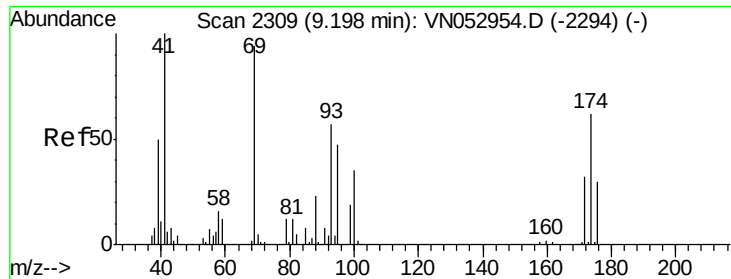
MMDadoda
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#48
Methyl methacrylate
Concen: 51.978 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.7	72.2	108.2
39	53.0	41.9	62.9





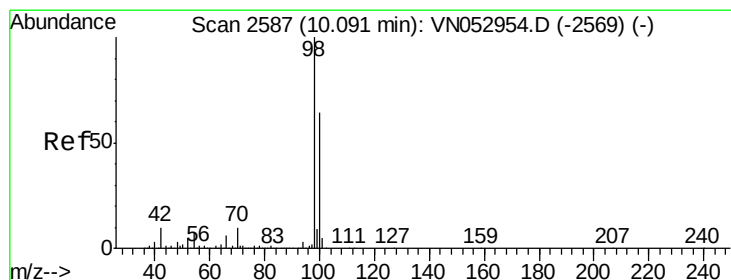
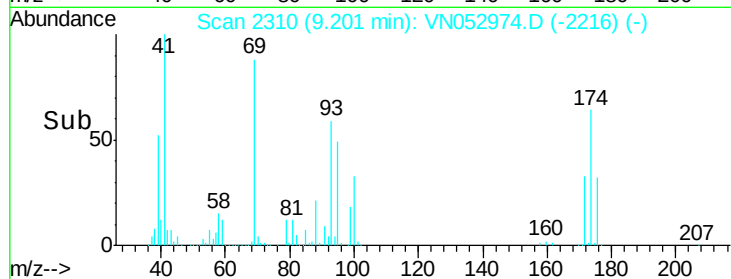
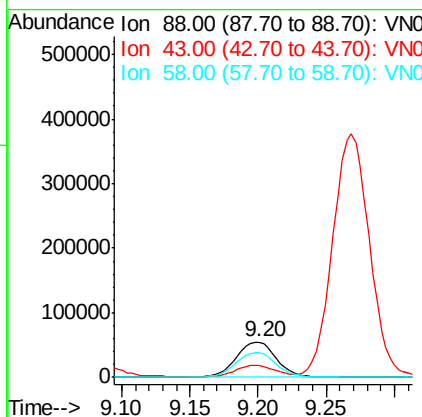
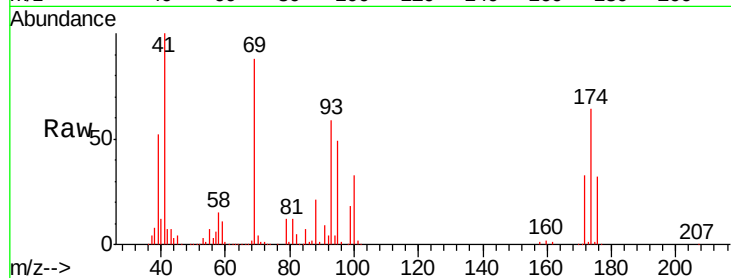
#49
1,4-Dioxane
Concen: 994.199 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	112810		
43	32.0	26.6	40.0	
58	71.2	58.4	87.6	

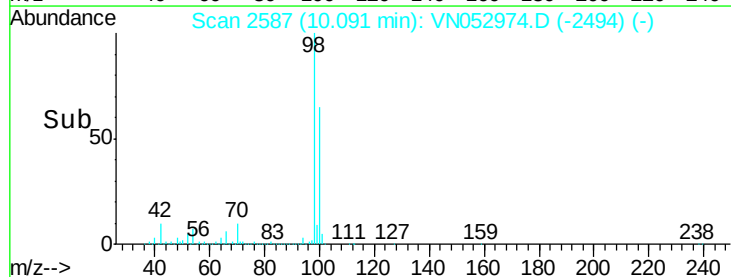
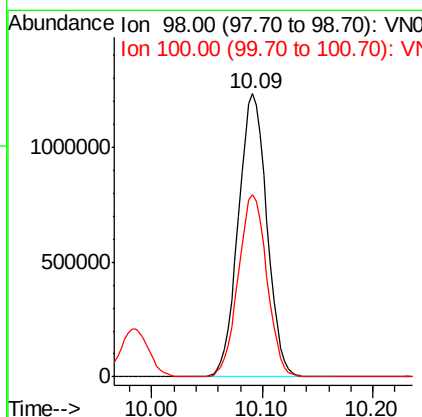
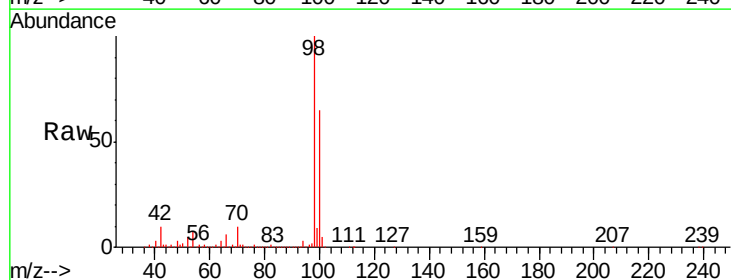
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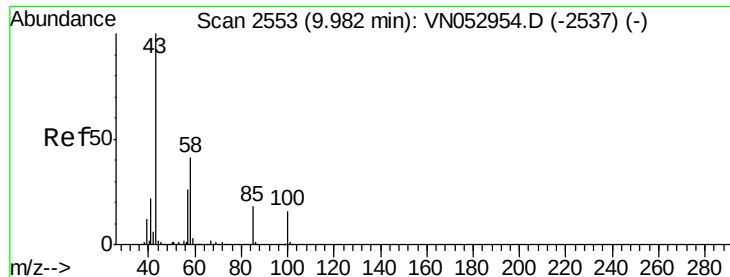
MMDadoda
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#50
Toluene-d8
Concen: 994.199 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2216235		
100	64.5	51.6	77.4	





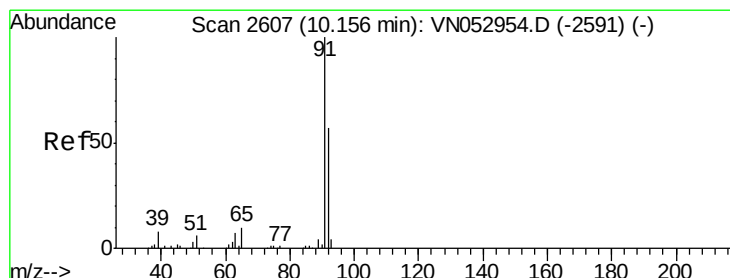
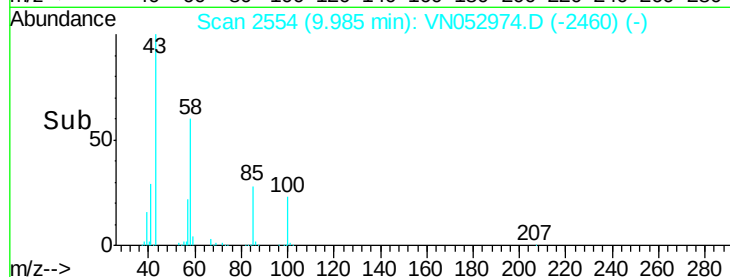
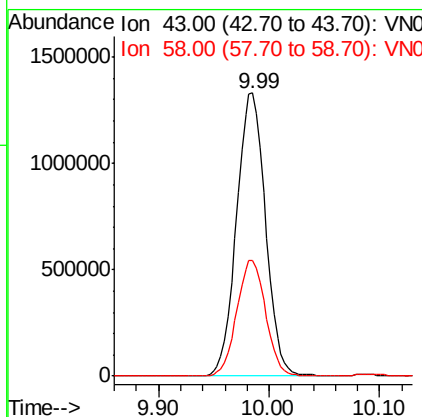
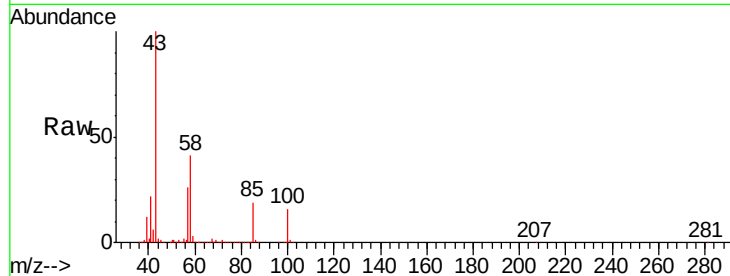
#51
 4-Methyl-2-Pentanone
 Concen: 270.540 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2421909
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4

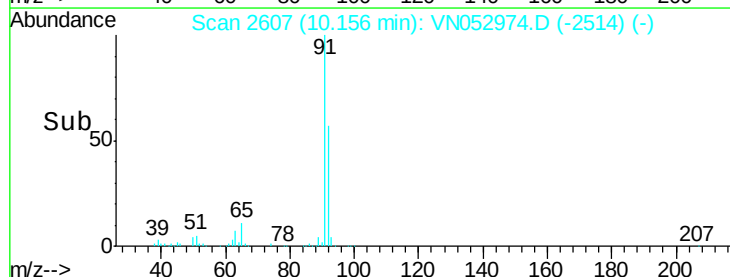
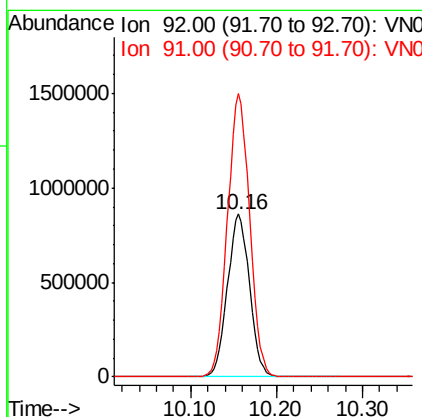
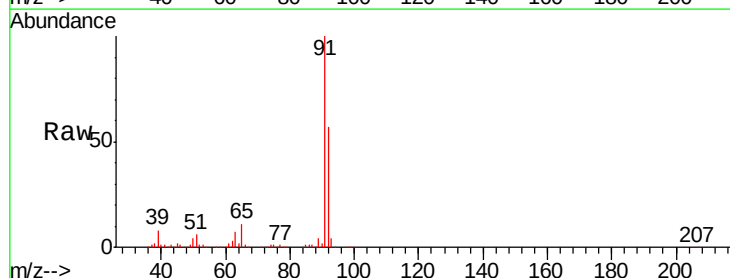
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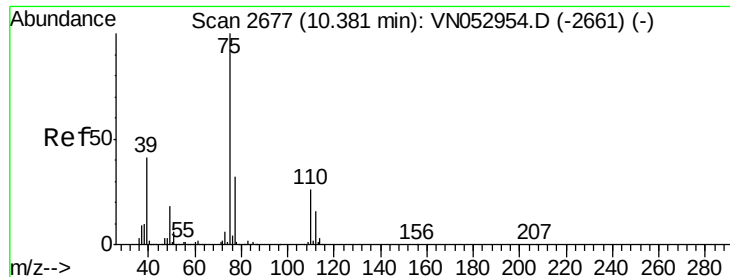
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 12/19/2018 12:07:32 PM



#52
 Toluene
 Concen: 50.137 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion: 92 Resp: 1530638
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.8 209.6





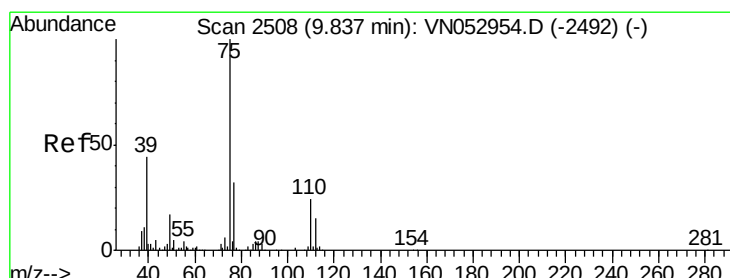
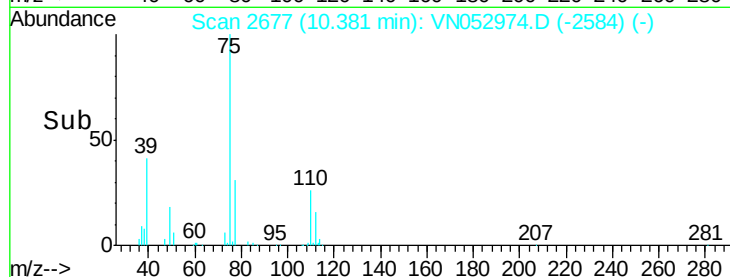
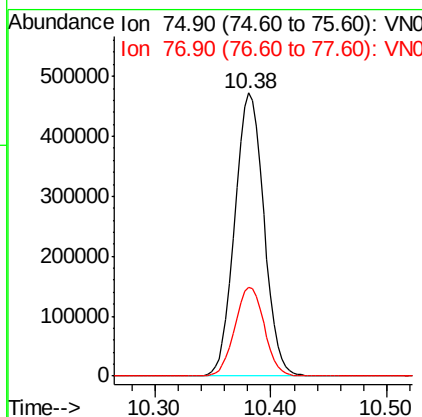
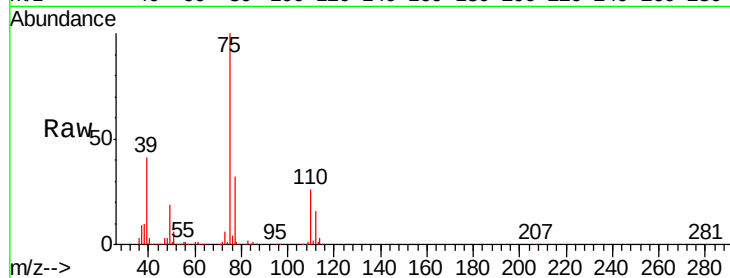
#53
t-1,3-Dichloropropene
Concen: 49.135 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4

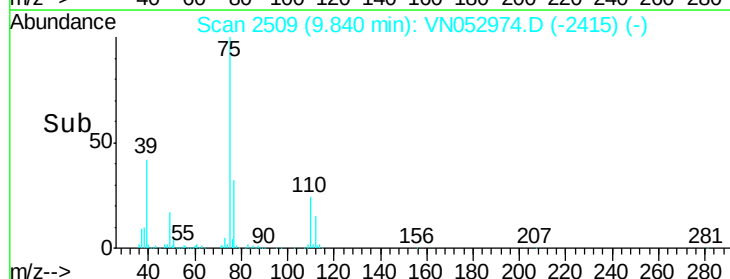
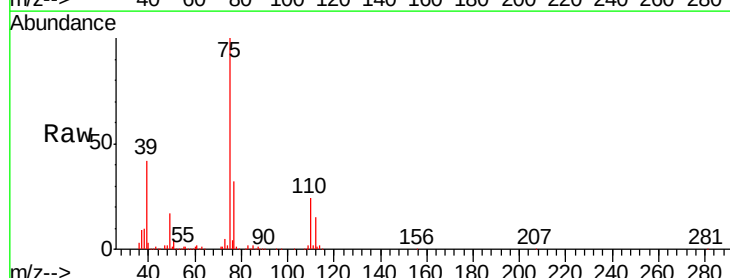
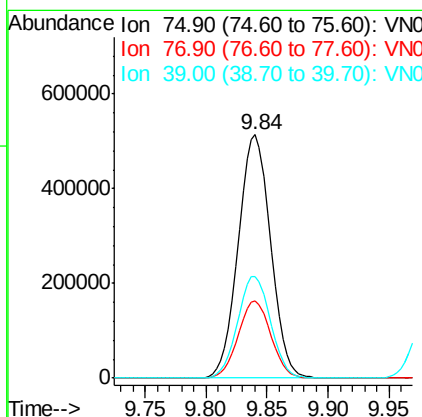
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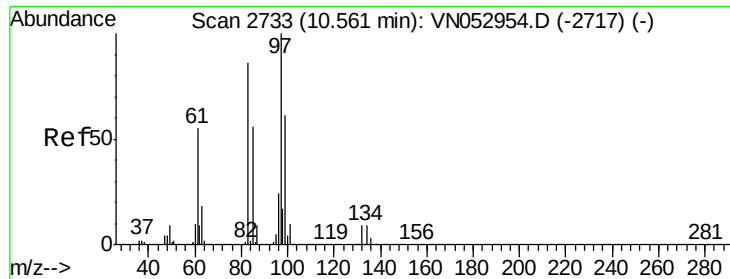
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#54
cis-1,3-Dichloropropene
Concen: 49.153 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	41.9	34.8	52.2





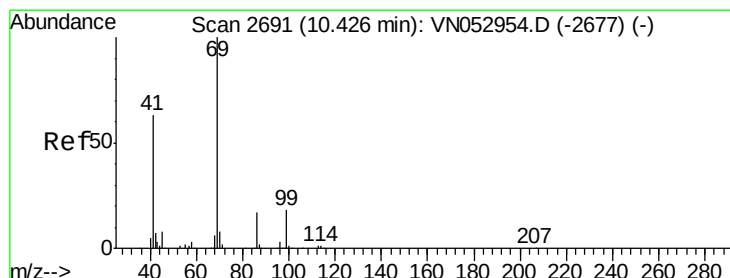
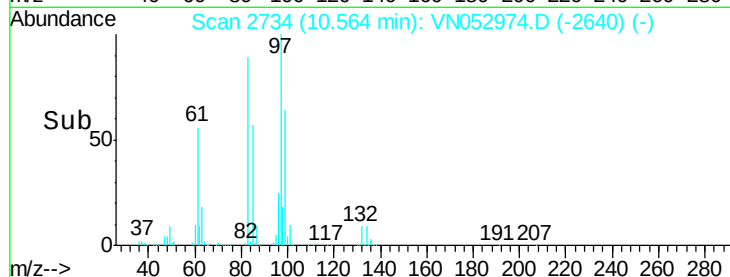
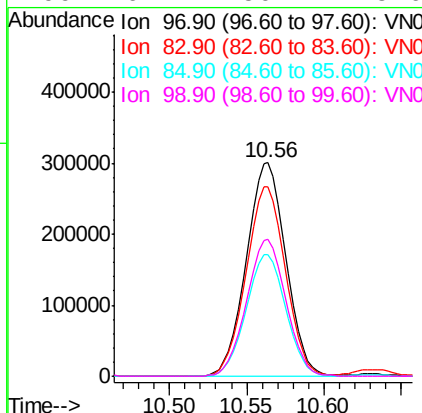
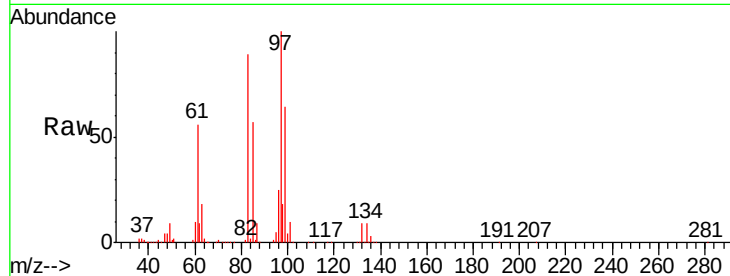
#55
 1,1,2-Trichloroethane
 Concen: 50.268 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	57.0	45.4	68.2
99	64.1	50.4	75.6

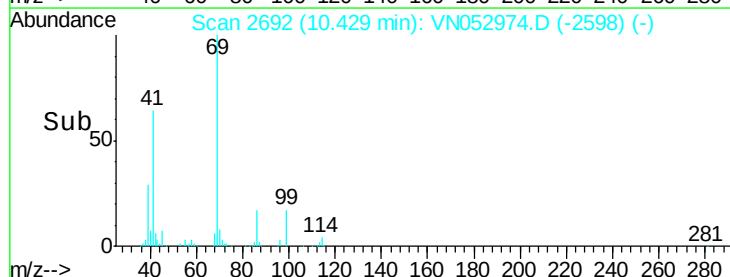
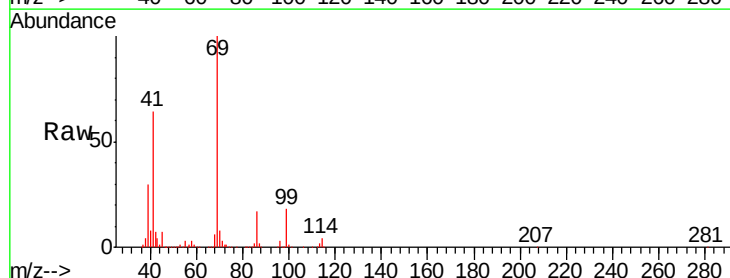
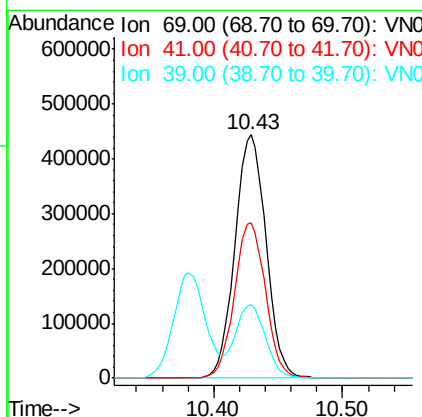
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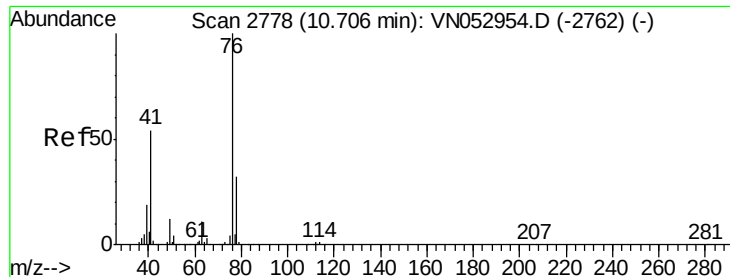
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#56
 Ethyl methacrylate
 Concen: 52.947 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	29.6	24.6	37.0





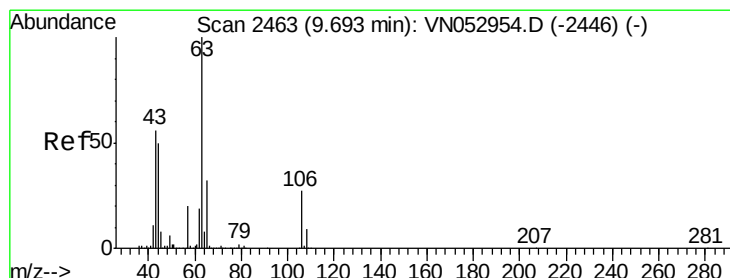
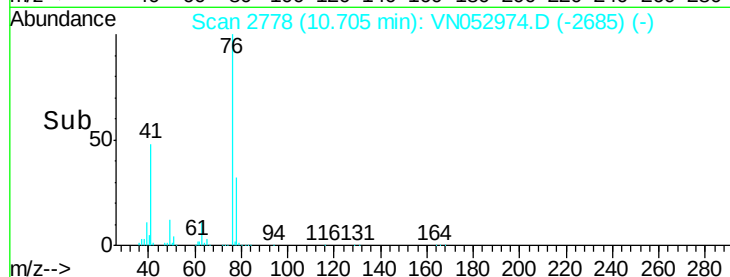
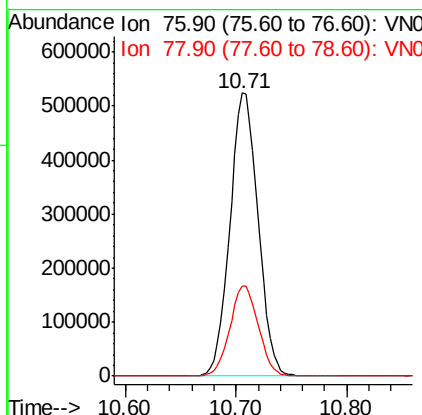
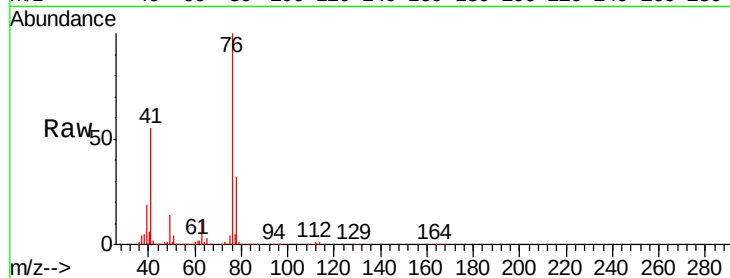
#57
 1,3-Dichloropropane
 Concen: 50.744 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 926789
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

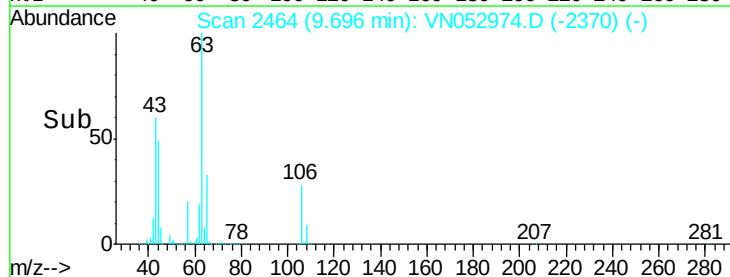
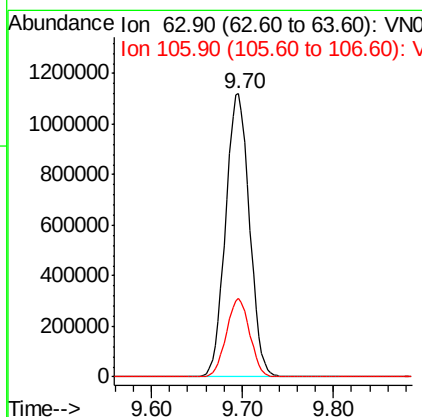
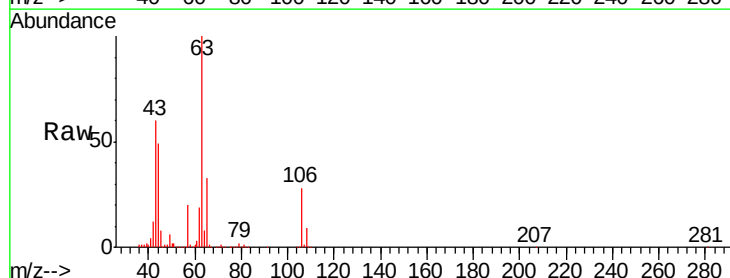
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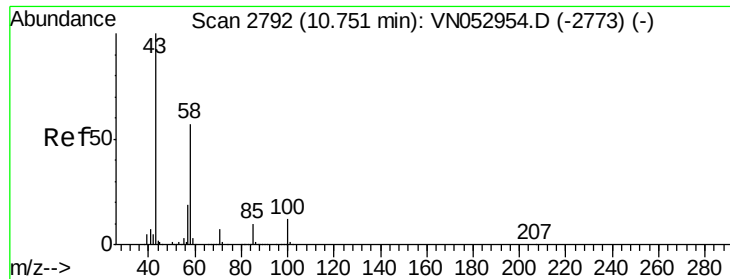
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 12/19/2018 12:07:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.476 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion: 63 Resp: 2039124
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.0 31.6





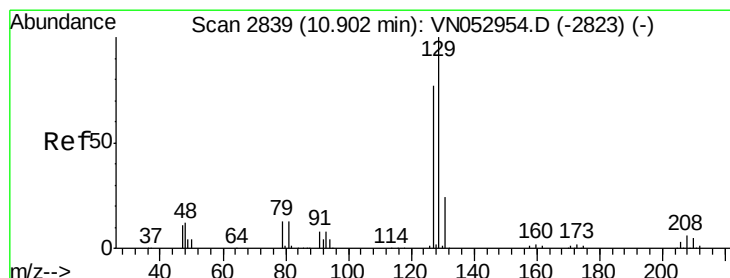
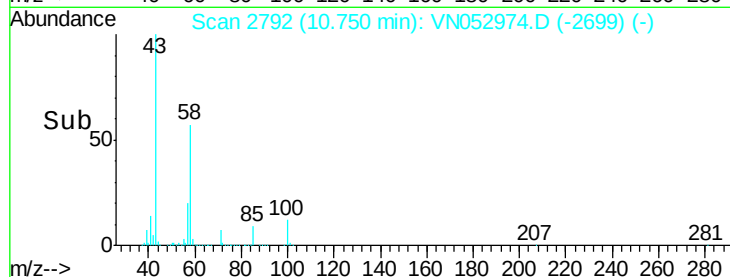
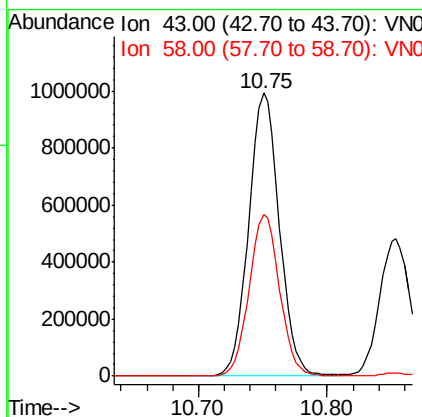
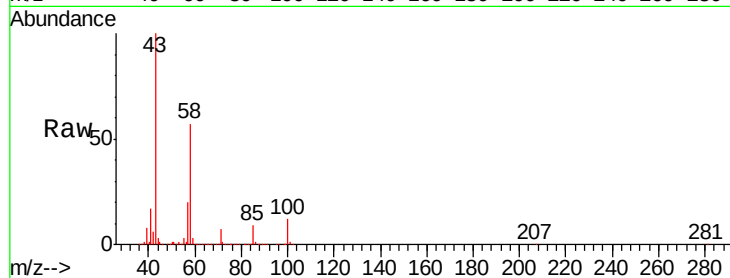
#59
2-Hexanone
Concen: 271.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1642818
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

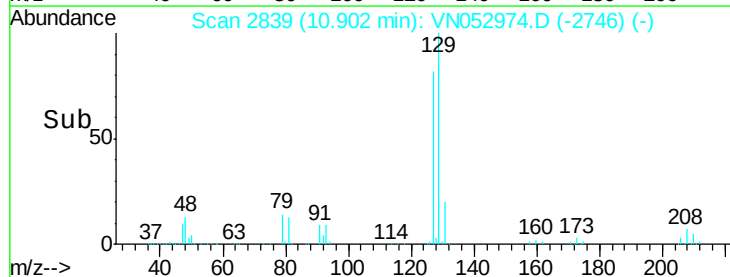
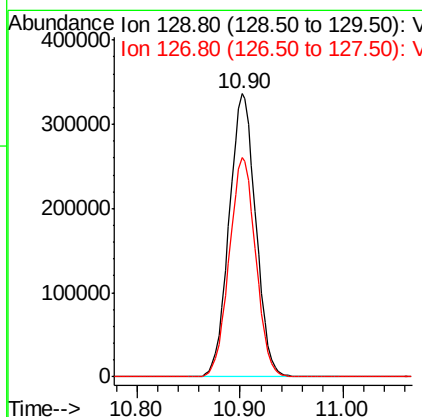
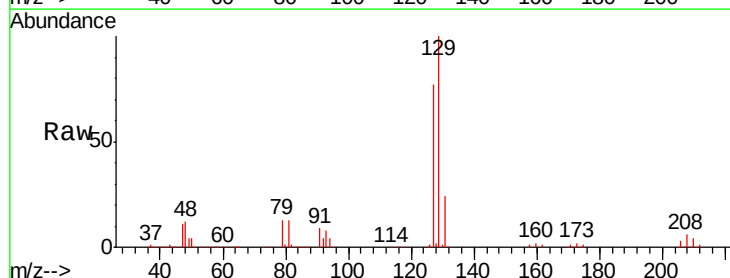
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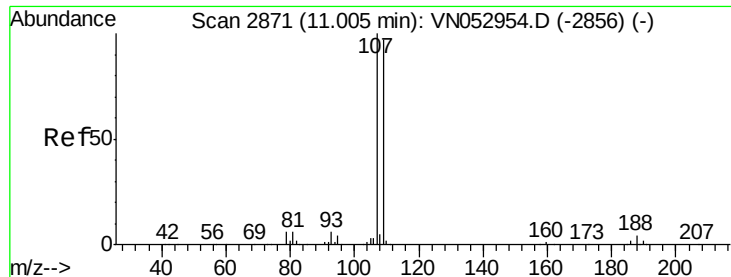
MMDadoda
12/19/2018 12:07:32 PM



#60
Dibromochloromethane
Concen: 49.592 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion: 129 Resp: 604602
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.834 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 549862

Ion Ratio Lower Upper

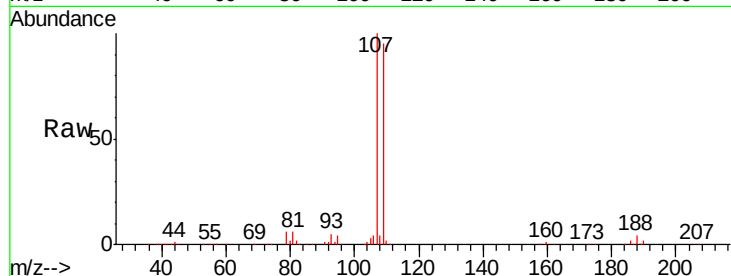
107 100

109 94.2 75.4 113.0

Manual Integrations
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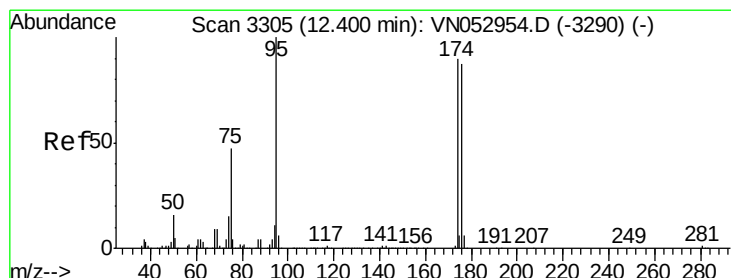
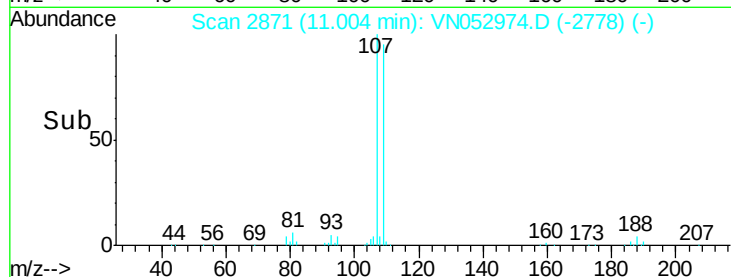
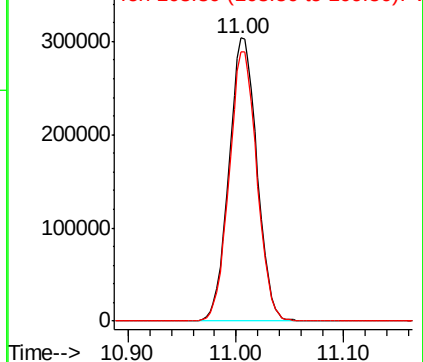
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.834 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

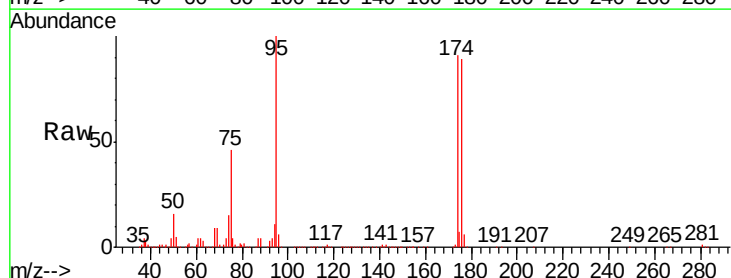
Tgt Ion: 95 Resp: 772118

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.8

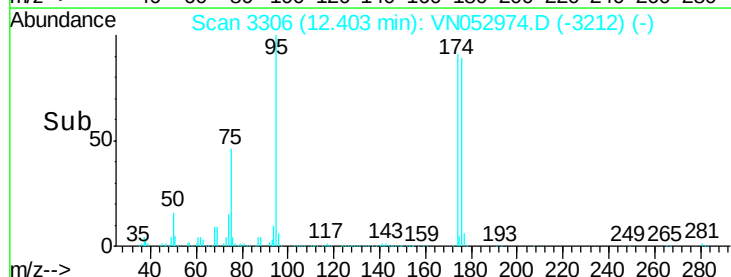
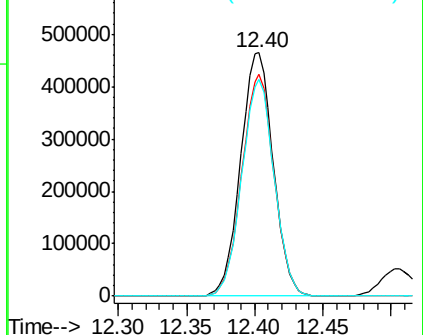
176 88.2 0.0 173.8

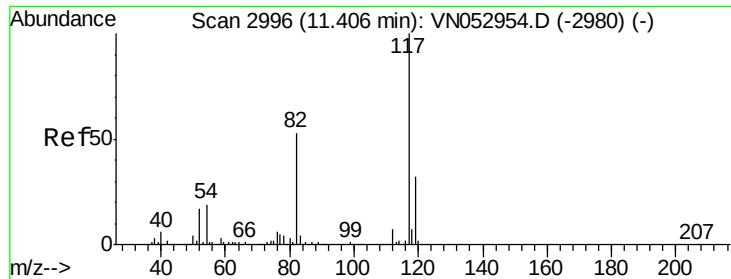


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 1559038

Ion Ratio Lower Upper

117 100

82 53.8 42.8 64.2

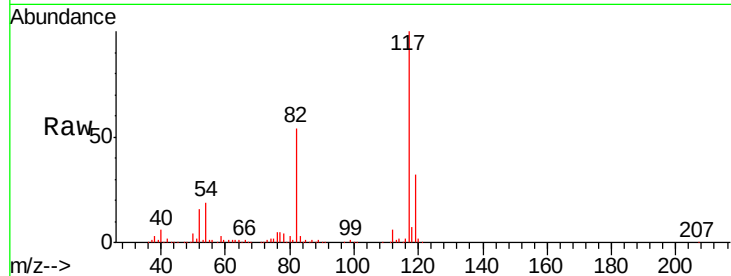
119 32.4 25.5 38.3

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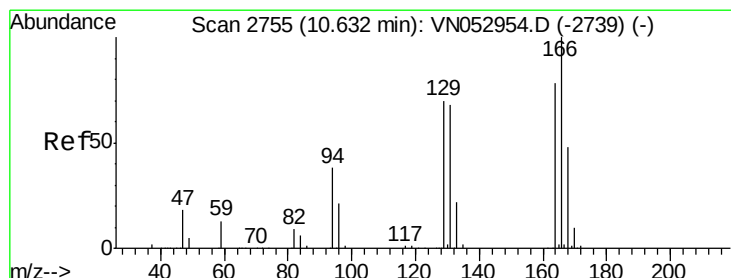
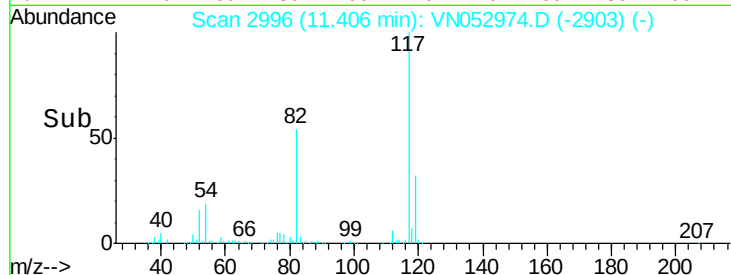
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.41

Time-->



#64

Tetrachloroethene

Concen: 46.663 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:164 Resp: 788039

Ion Ratio Lower Upper

164 100

166 127.4 102.9 154.3

129 90.4 73.7 110.5

131 88.3 70.7 106.1

Abundance Ion 163.80 (163.50 to 164.50): V

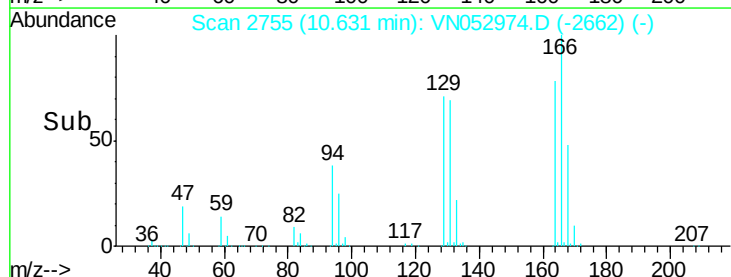
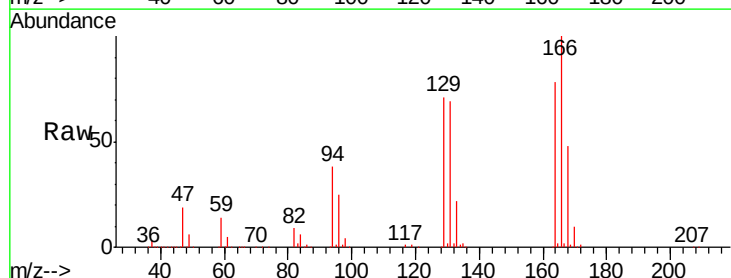
Ion 165.80 (165.50 to 166.50): V

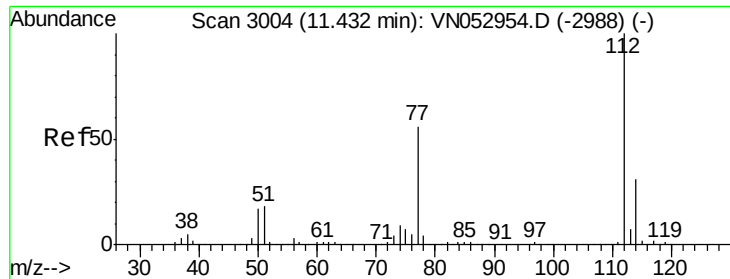
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.63

Time-->





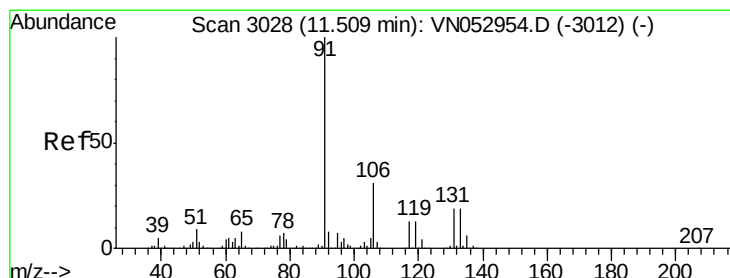
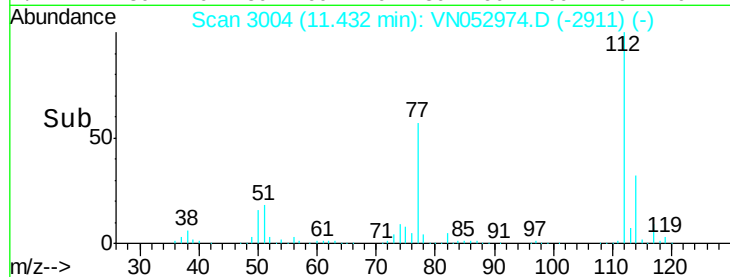
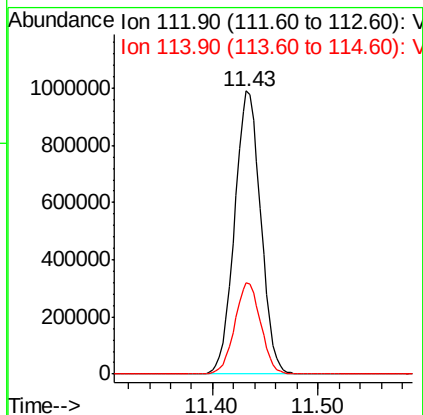
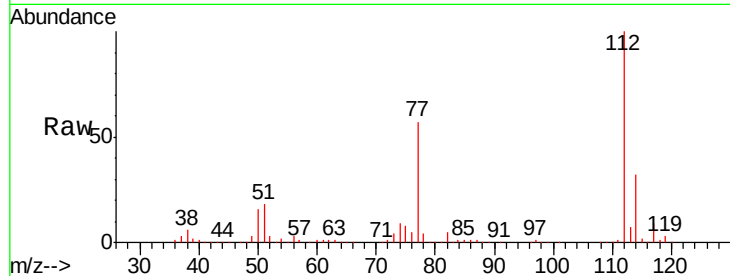
#65
Chlorobenzene
Concen: 48.981 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1692757
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

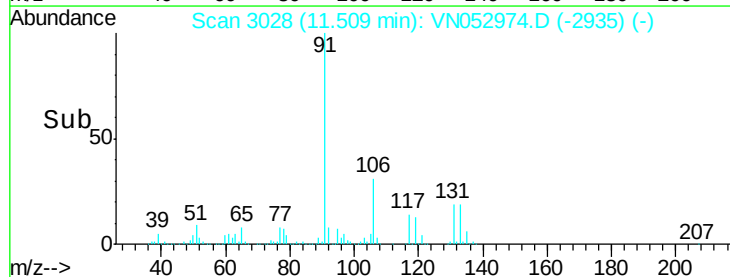
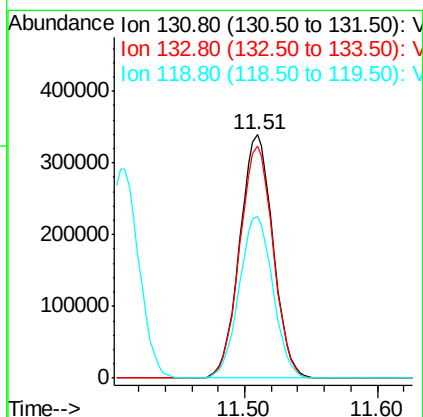
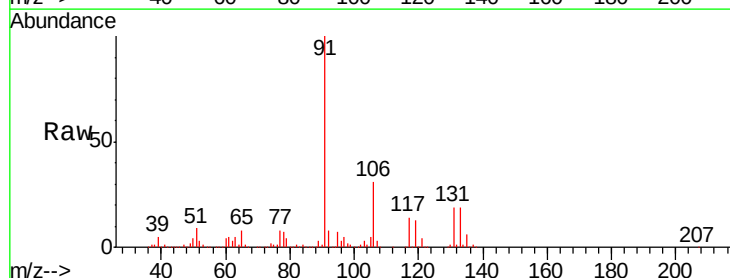
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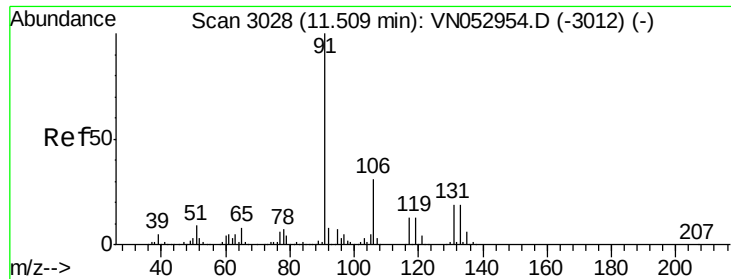
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.088 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion:131 Resp: 589937
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 67.4 33.3 99.8





#67

Ethyl Benzene

Concen: 49.361 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2933683

Ion Ratio Lower Upper

91 100

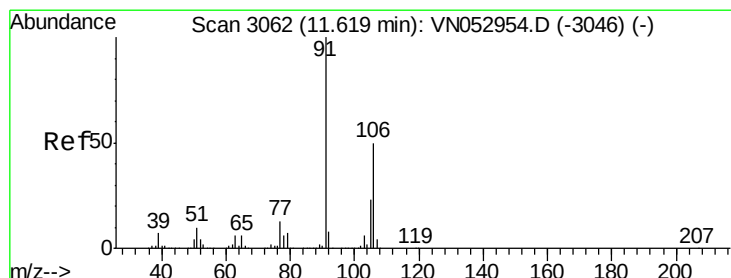
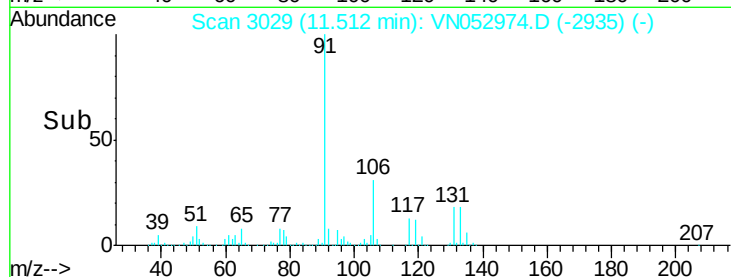
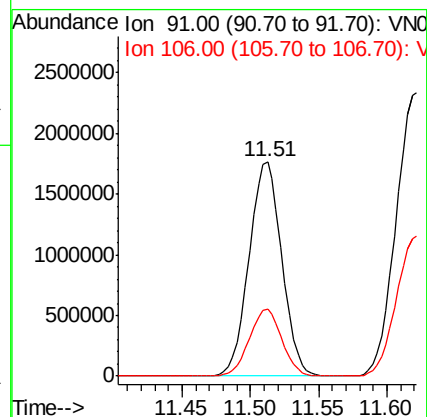
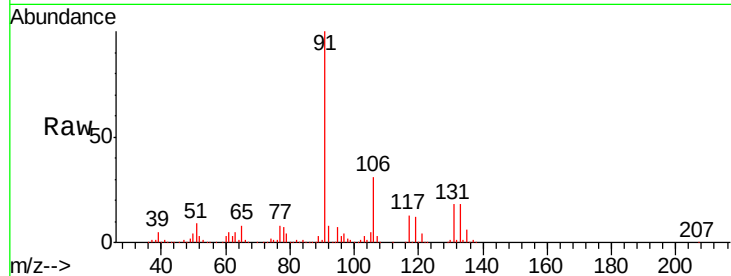
106 31.4 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.290 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052974.D

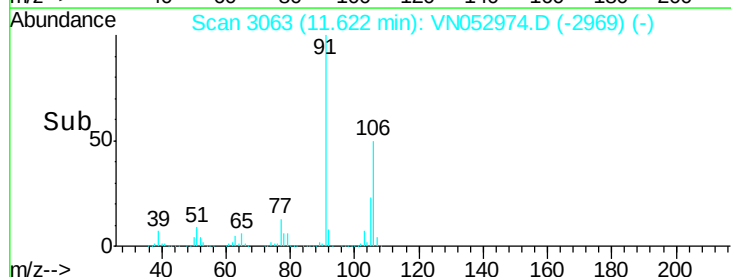
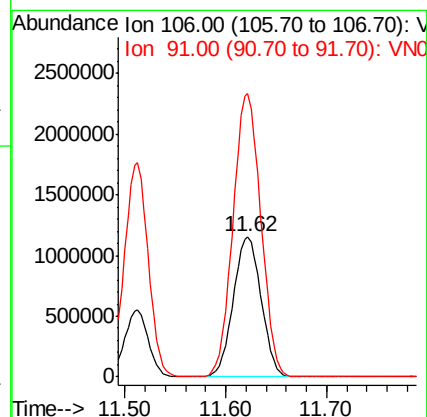
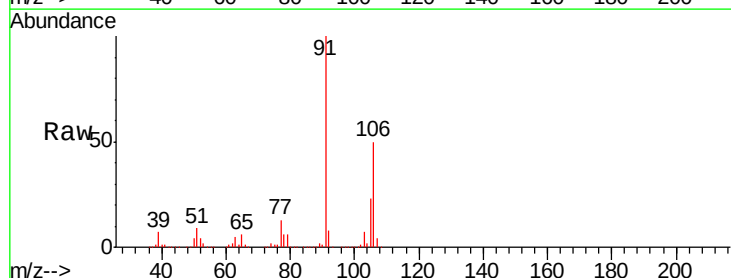
Acq: 18 Dec 2018 21:31

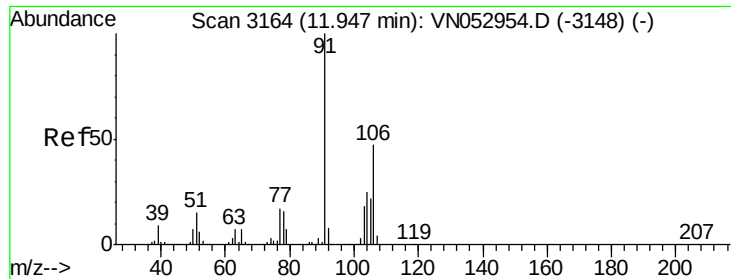
Tgt Ion: 106 Resp: 2220765

Ion Ratio Lower Upper

106 100

91 202.1 162.2 243.4





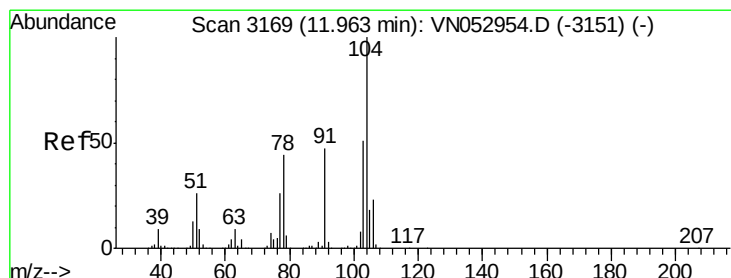
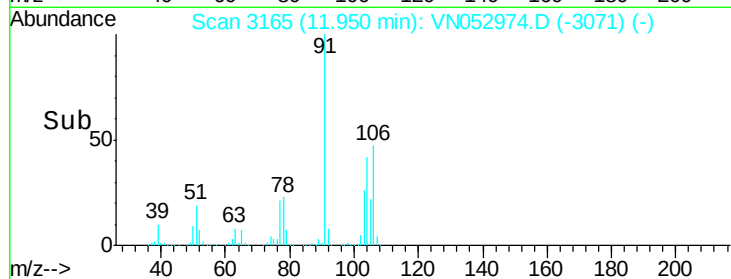
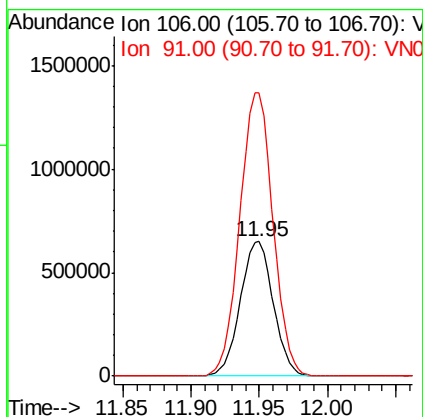
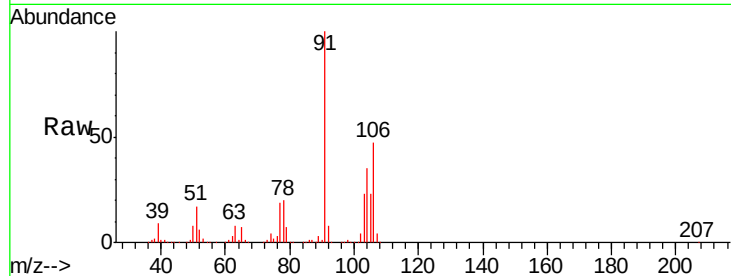
#69
o-Xylene
Concen: 50.318 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1090929
Ion Ratio Lower Upper
106 100
91 211.8 106.6 319.8

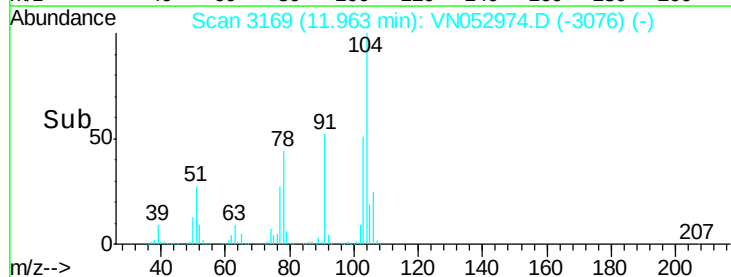
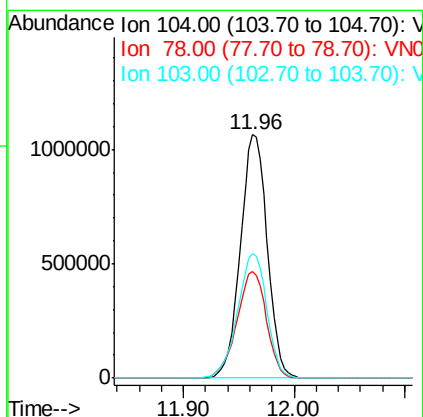
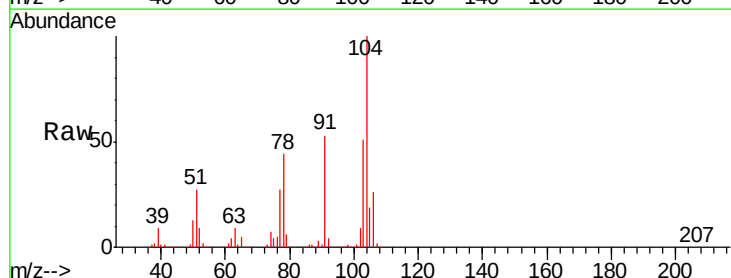
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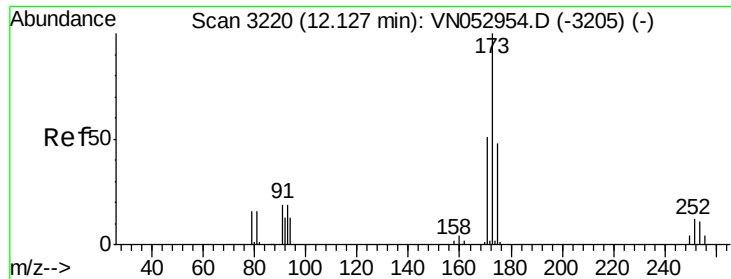
MMDadoda
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#70
Styrene
Concen: 50.615 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion:104 Resp: 1789380
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.8 44.3 66.5





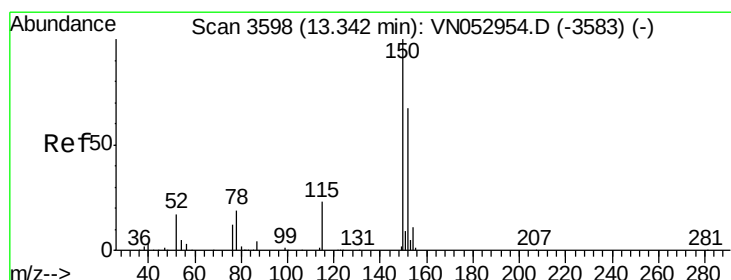
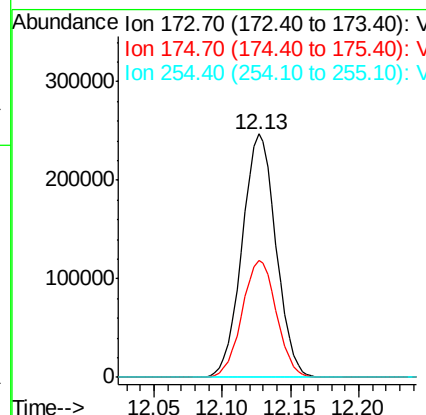
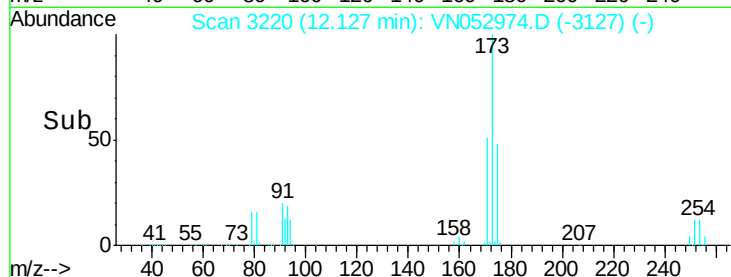
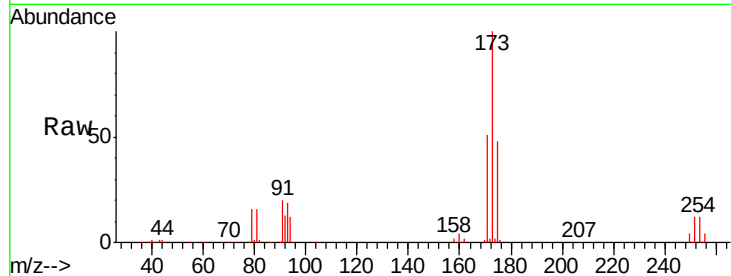
#71
Bromoform
Concen: 49.048 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.1	0.1	0.1

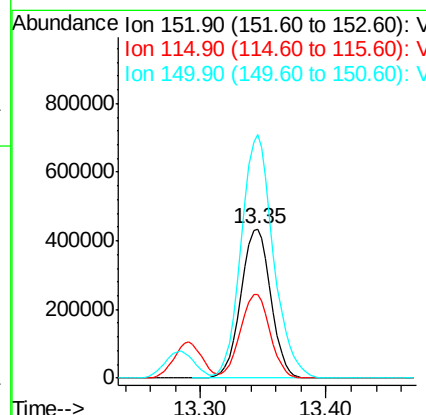
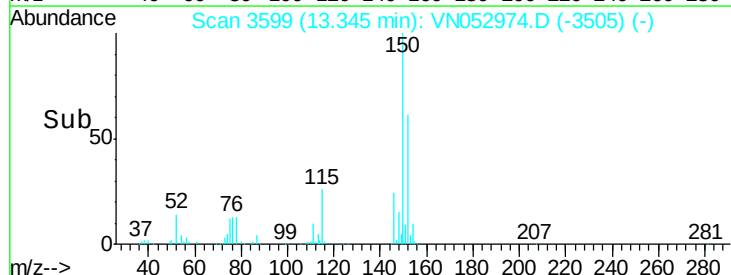
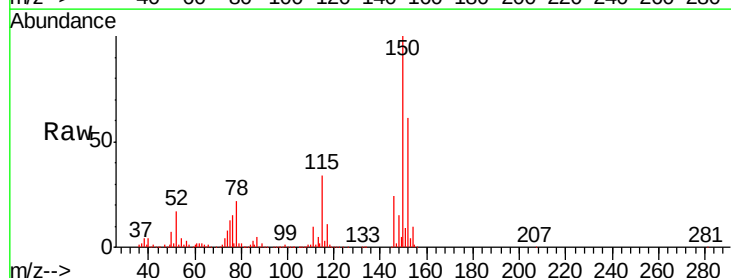
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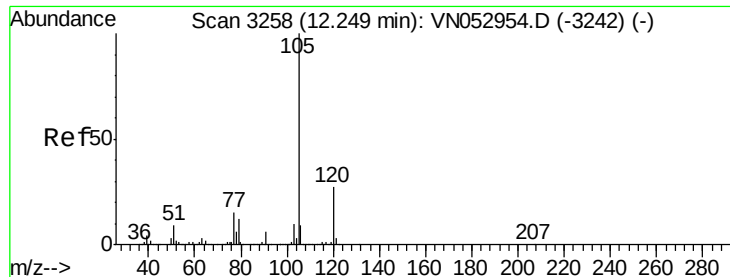
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	175.9	0.0	347.8





#73

Isopropylbenzene

Concen: 51.334 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2879637

Ion Ratio Lower Upper

105 100

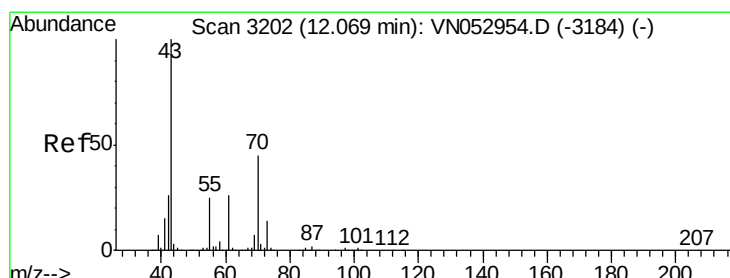
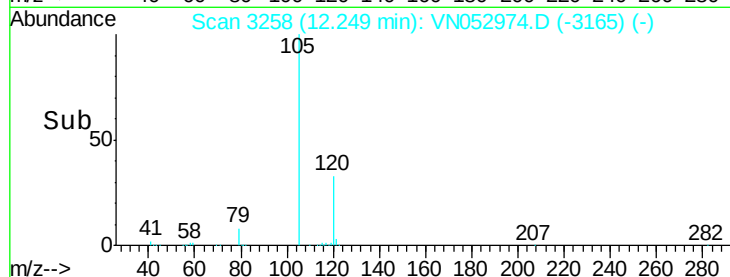
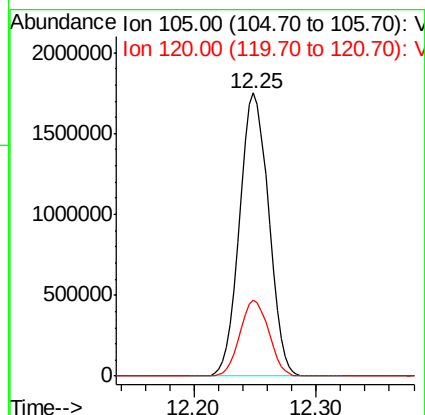
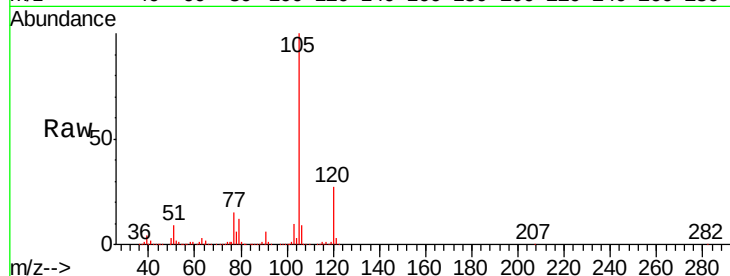
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.191 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion: 43 Resp: 859557

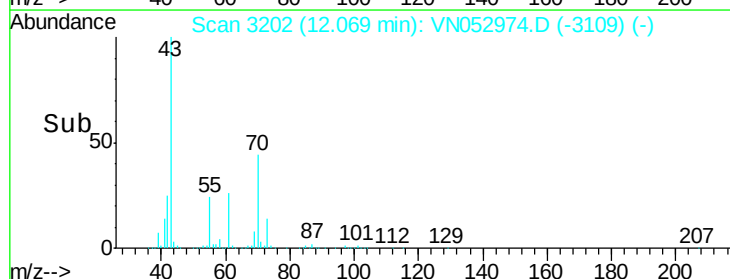
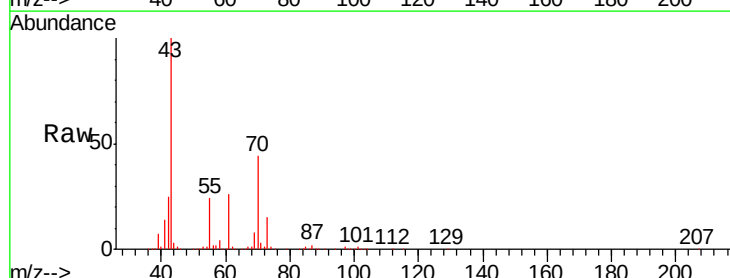
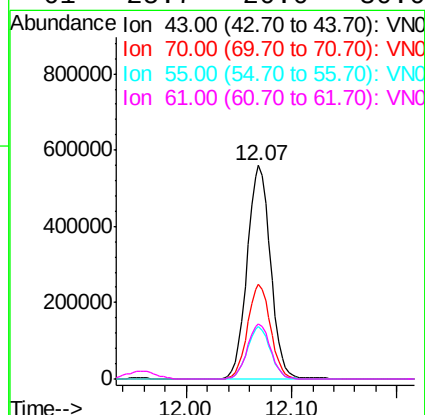
Ion Ratio Lower Upper

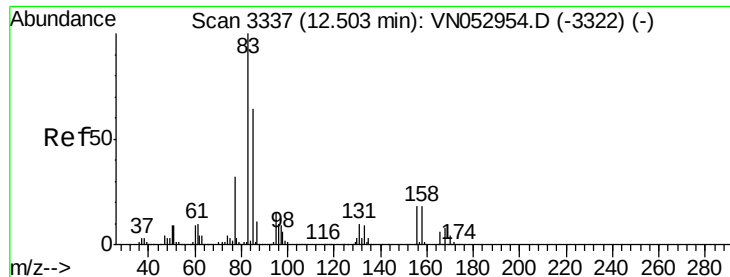
43 100

70 43.8 34.2 51.4

55 24.6 20.3 30.5

61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.418 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 598875
Ion Ratio Lower Upper

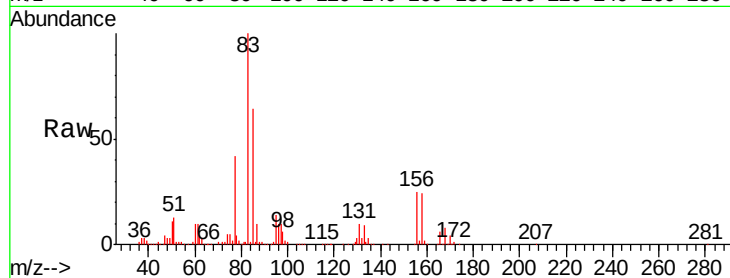
83 100

131 10.6 5.2 15.6

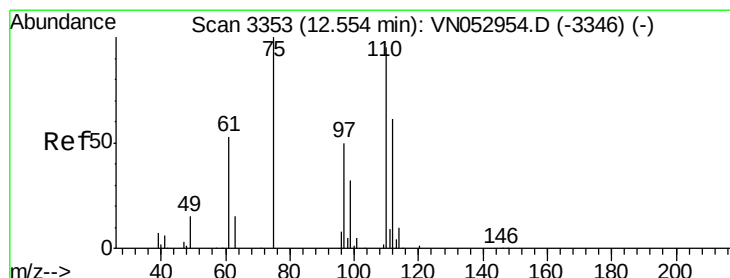
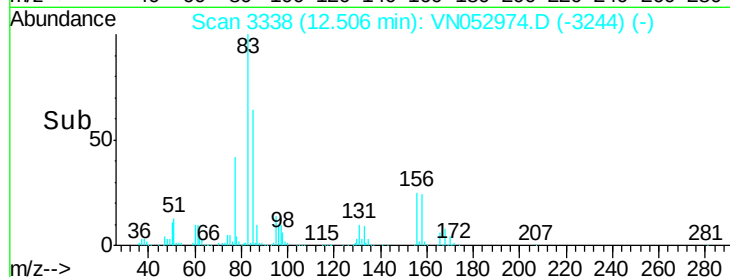
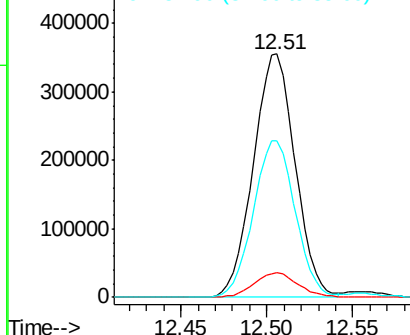
85 64.4 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN052974.D (-3337) (-)
Ion 130.80 (130.50 to 131.50): VN052974.D (-3338) (-)
Ion 84.90 (84.60 to 85.60): VN052974.D (-3339) (-)



#76

1,2,3-Trichloropropane

Concen: 45.999 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

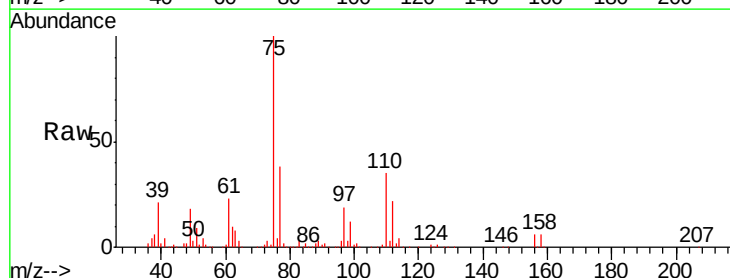
Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

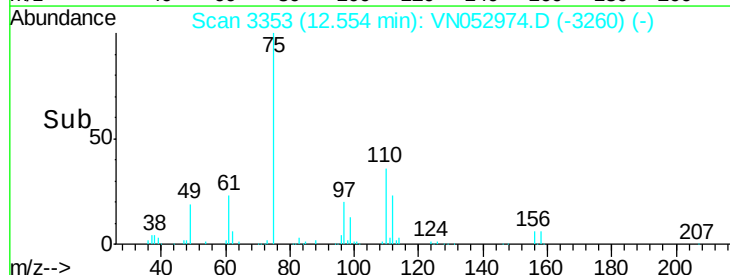
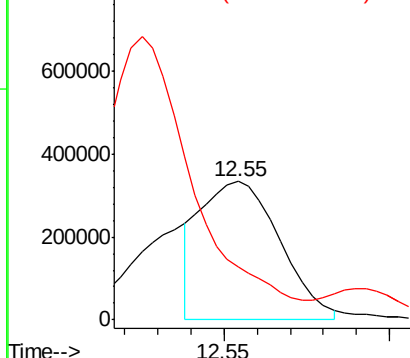
Tgt Ion: 75 Resp: 555169
Ion Ratio Lower Upper

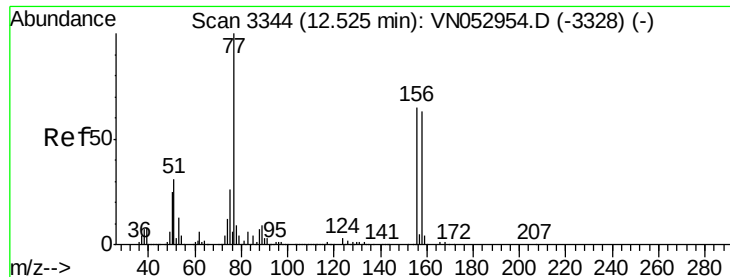
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052974.D (-3353) (-)
Ion 77.00 (76.70 to 77.70): VN052974.D (-3354) (-)





#77

Bromobenzene

Concen: 51.136 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

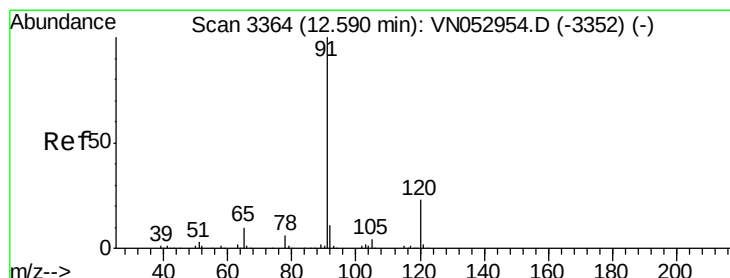
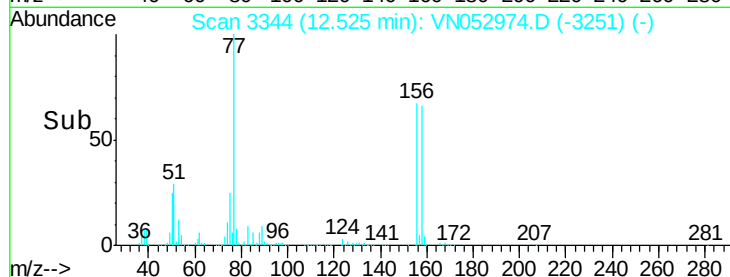
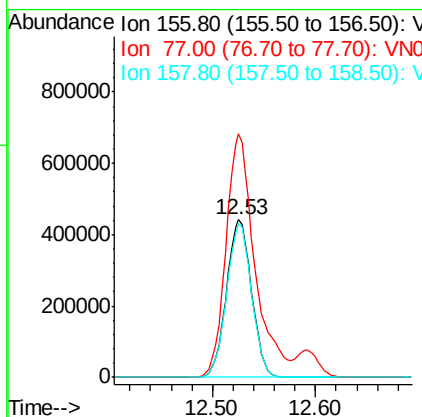
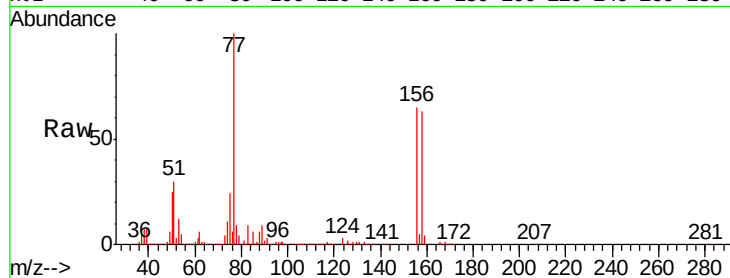
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	178.9	91.3	273.8
158	97.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 50.744 ug/l

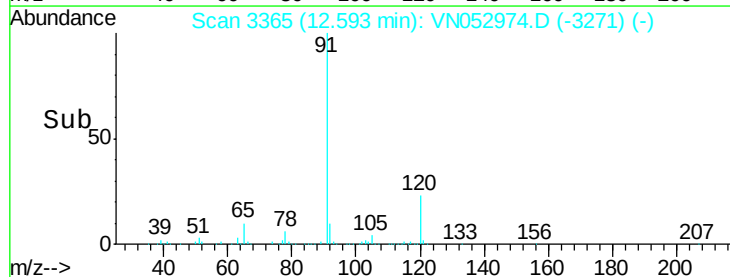
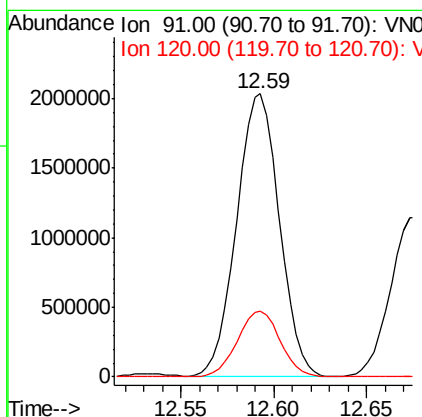
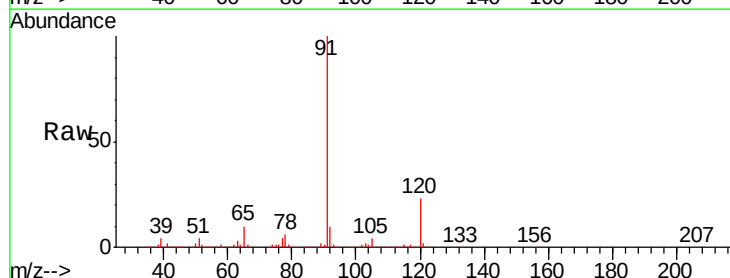
RT: 12.59 min Scan# 3365

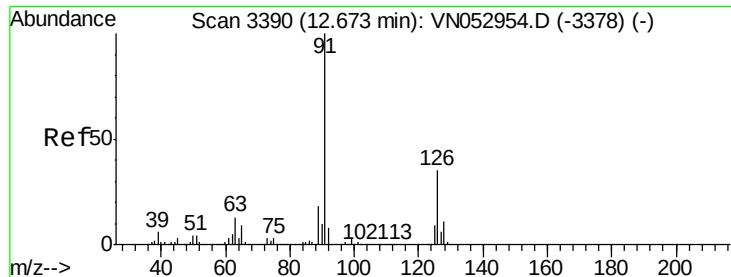
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.344 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1914459

Ion Ratio Lower Upper

91 100

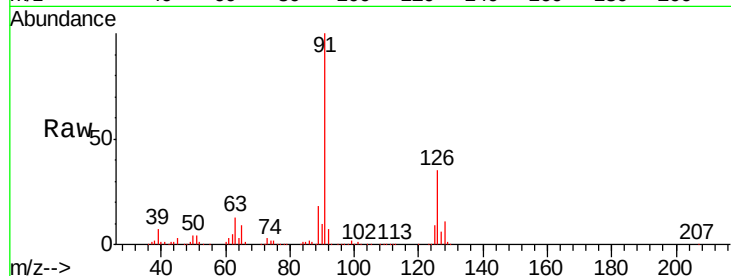
126 35.4 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052974.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052974.D (-3391) (-)

1500000

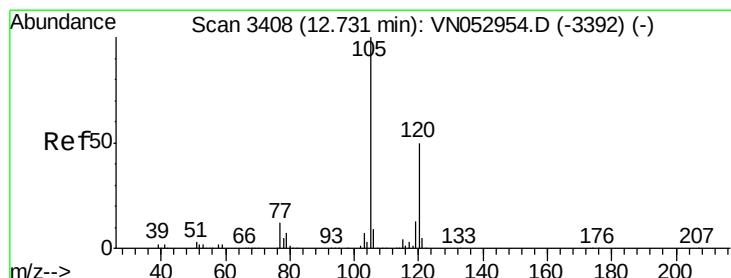
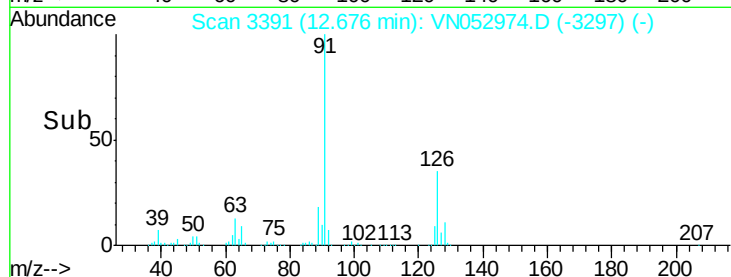
1000000

500000

0

12.68

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 49.715 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052974.D

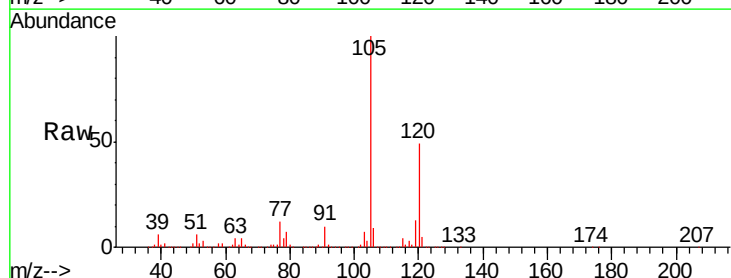
Acq: 18 Dec 2018 21:31

Tgt Ion: 105 Resp: 2273120

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052974.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052974.D (-3409) (-)

1500000

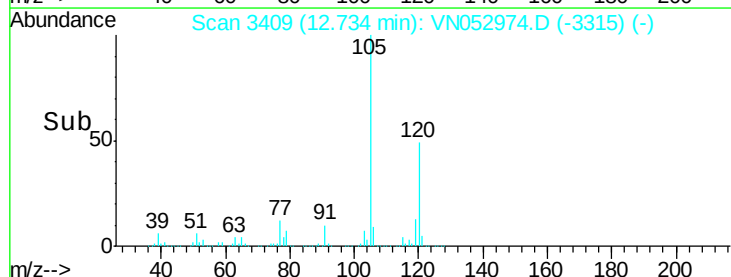
1000000

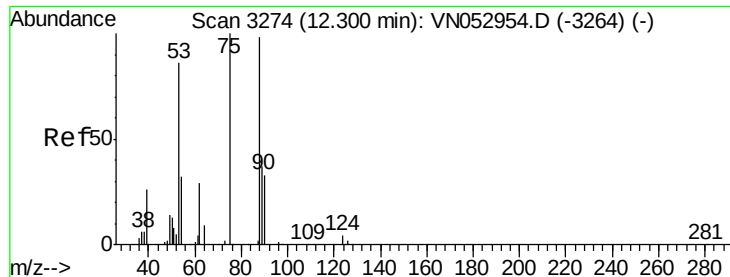
500000

0

12.73

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 51.675 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

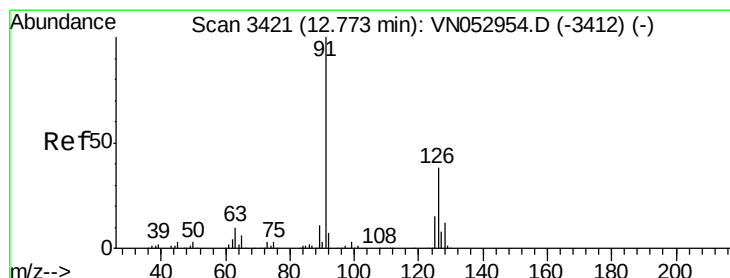
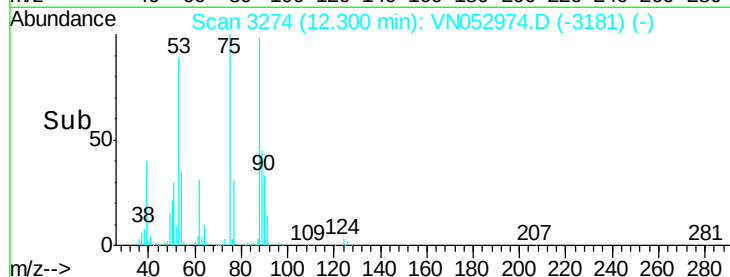
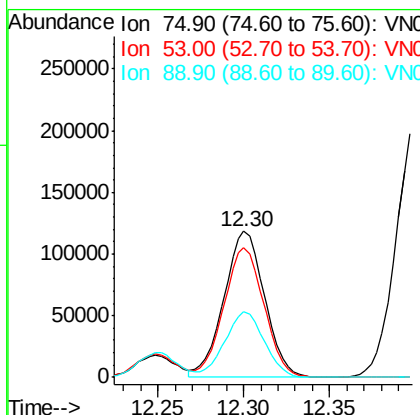
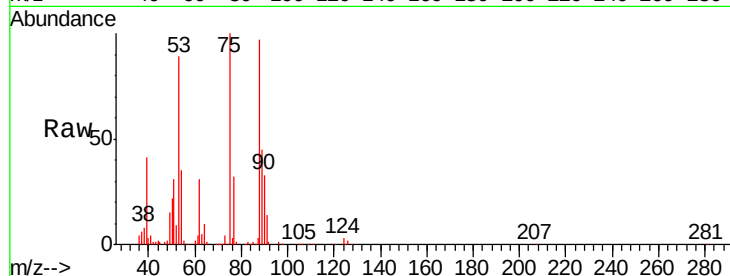
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	193503
Ion Ratio	Lower	Upper	
75	100		
53	88.9	74.7	112.1
89	44.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.371 ug/l

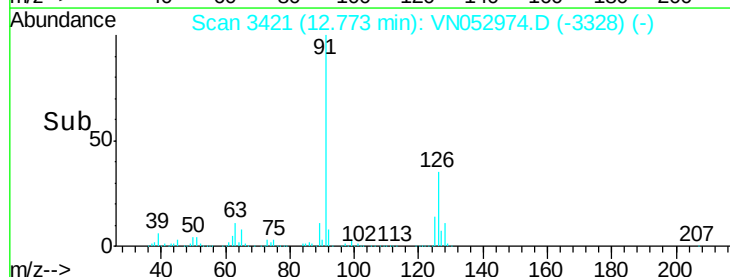
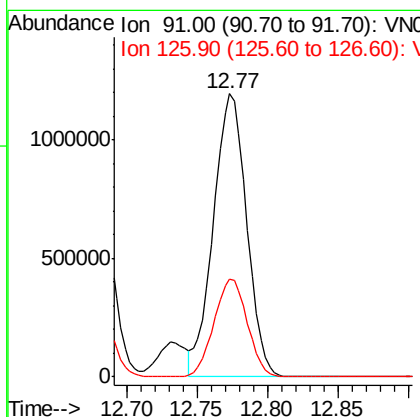
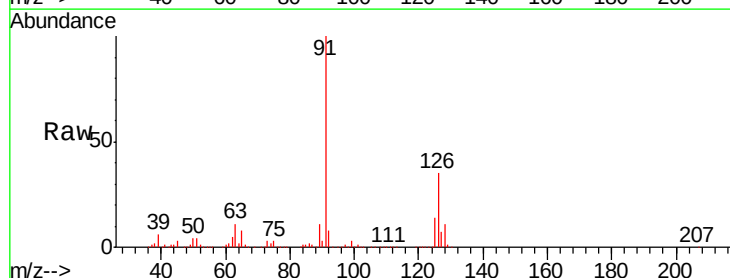
RT: 12.77 min Scan# 3421

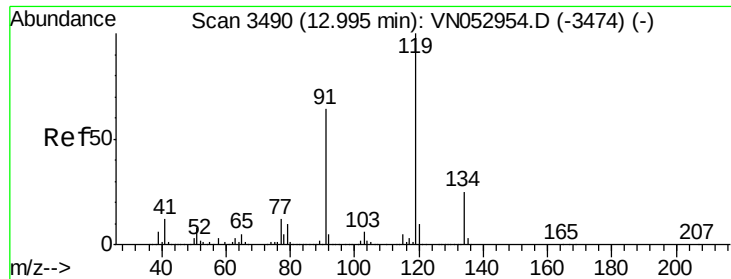
Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	91	Resp:	1952642
Ion Ratio	Lower	Upper	
91	100		
126	34.7	17.3	51.7





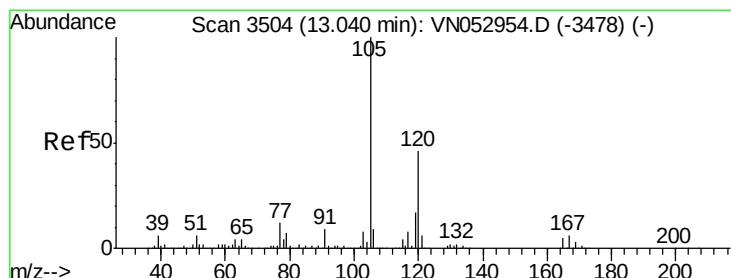
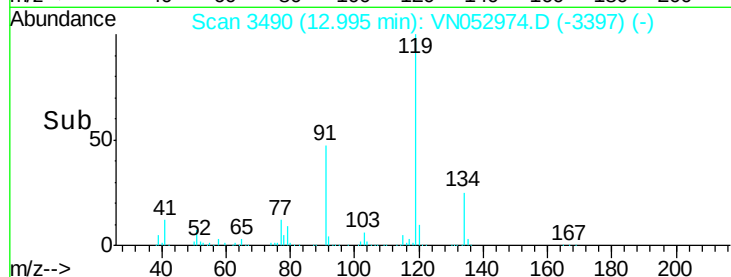
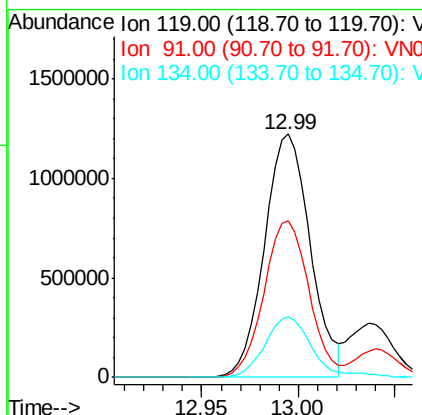
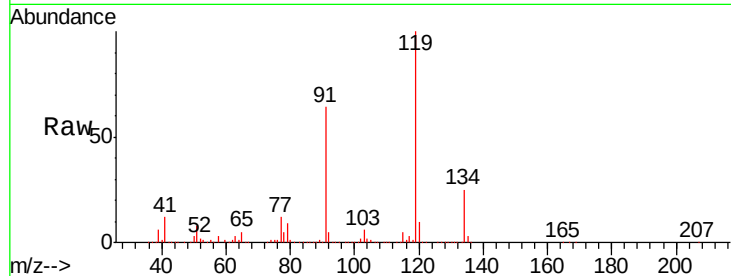
#83
 tert-Butylbenzene
 Concen: 49.861 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2016248
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.9 95.5
 134 25.7 12.8 38.4

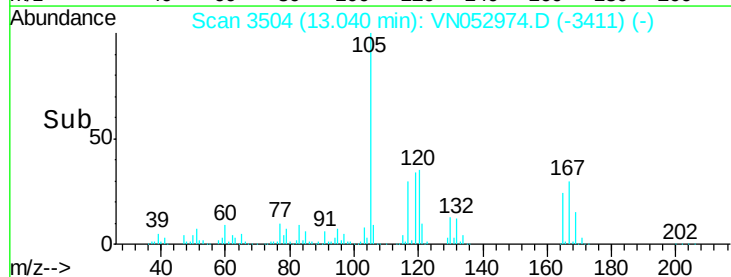
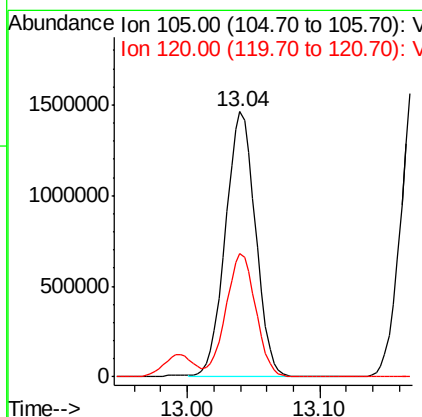
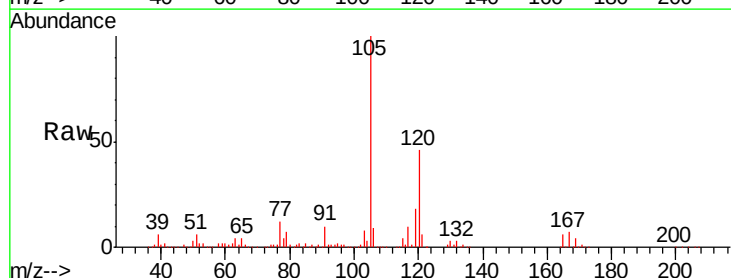
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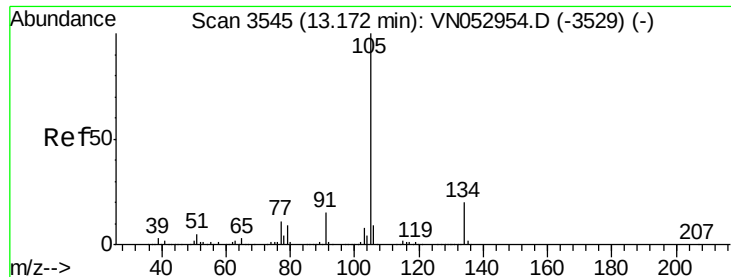
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.007 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion:105 Resp: 2298534
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





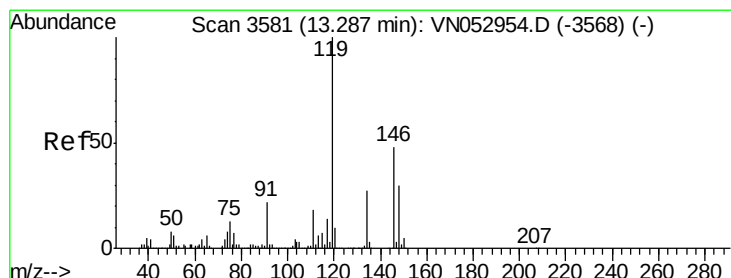
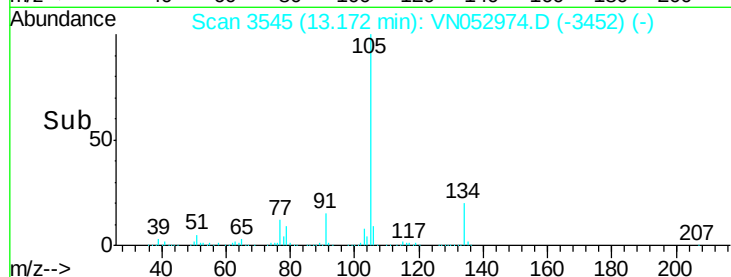
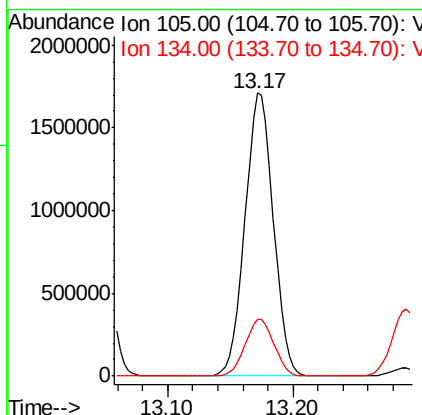
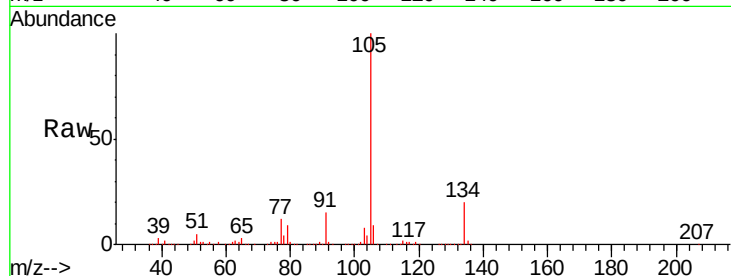
#85
 sec-Butylbenzene
 Concen: 49.194 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2690704
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3

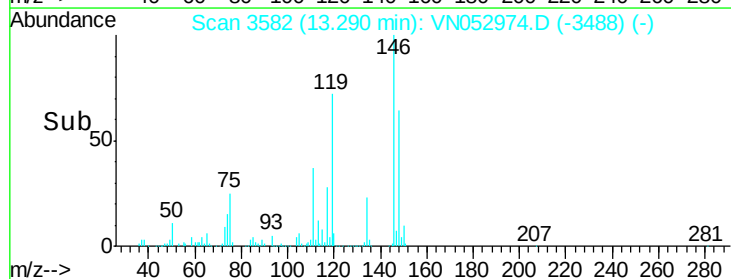
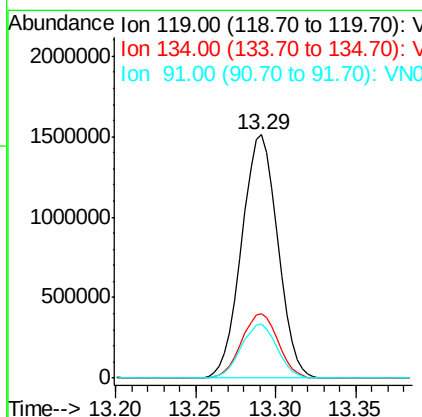
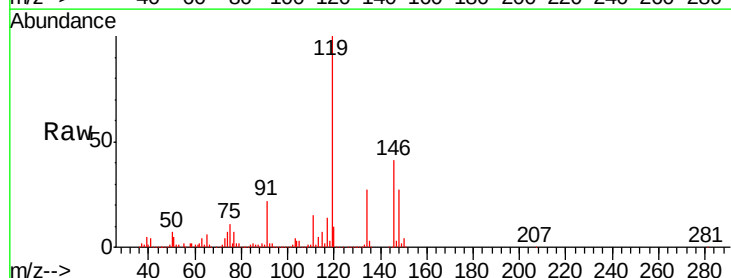
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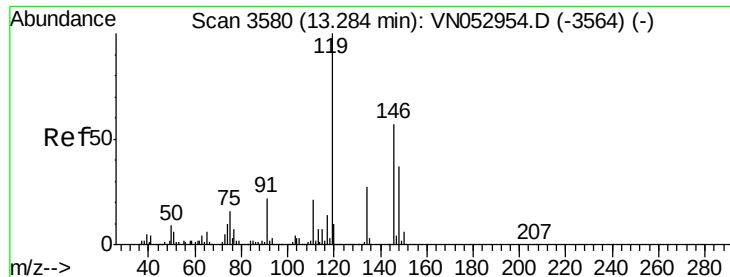
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#86
 p-Isopropyltoluene
 Concen: 49.231 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion:119 Resp: 2326751
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.707 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

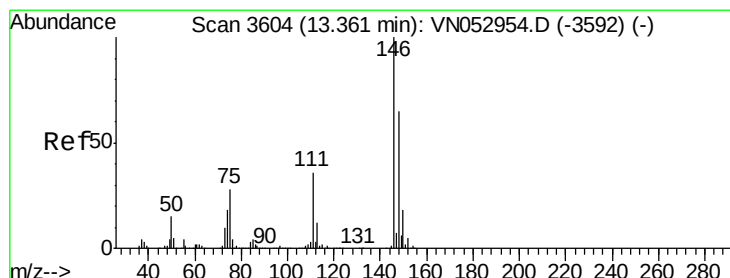
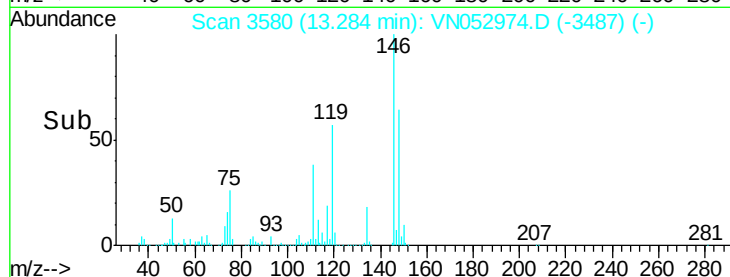
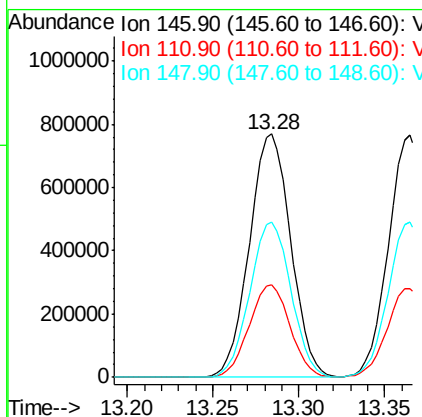
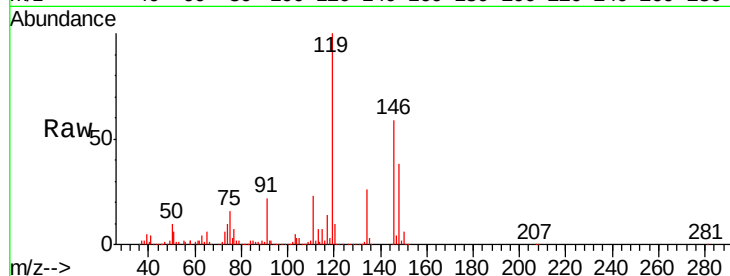
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	1282837
Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.903 ug/l

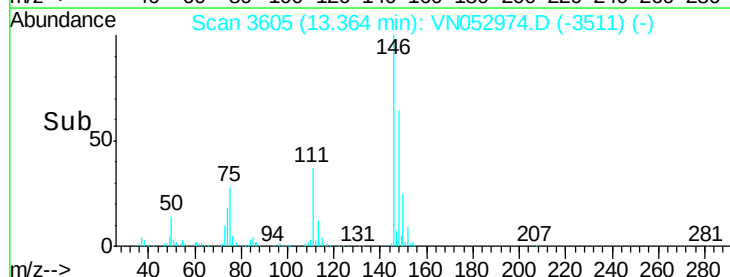
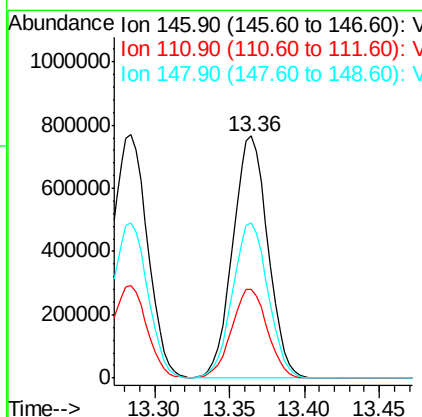
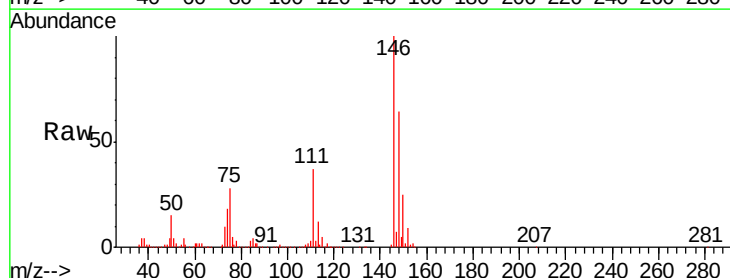
RT: 13.36 min Scan# 3605

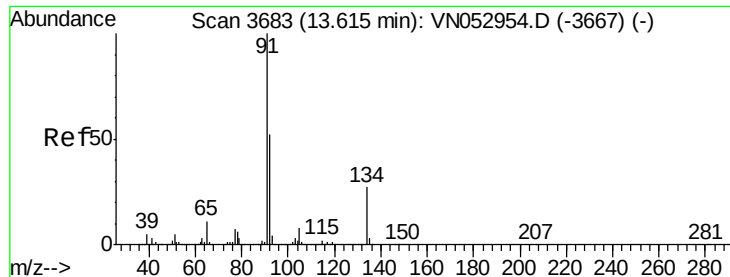
Delta R.T. 0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Tgt Ion:	146	Resp:	1251966
Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 47.123 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052974.D

Acq: 18 Dec 2018 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1916003

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

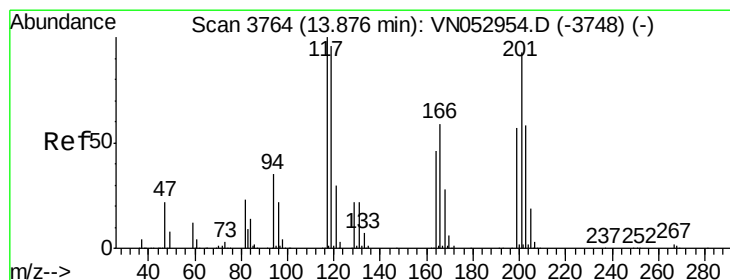
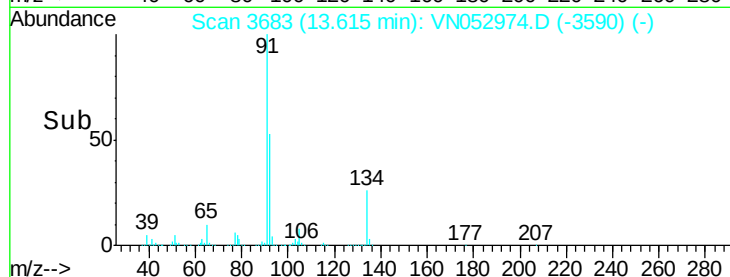
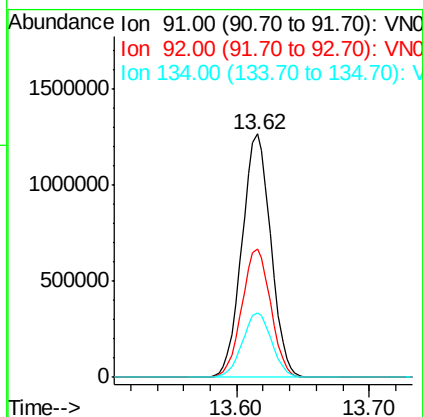
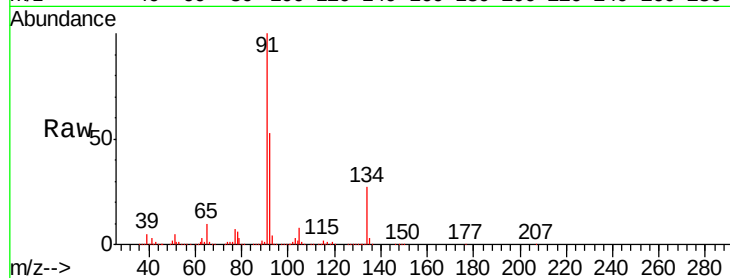
134 26.8 13.3 39.8

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#90

Hexachloroethane

Concen: 50.013 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052974.D

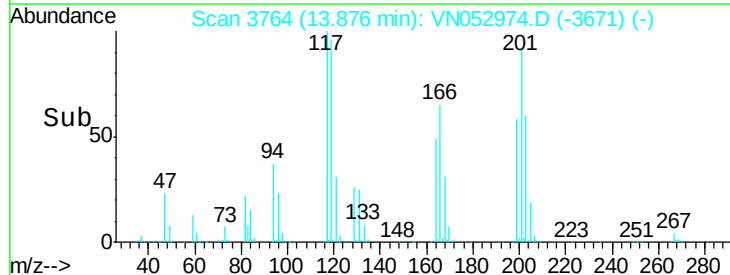
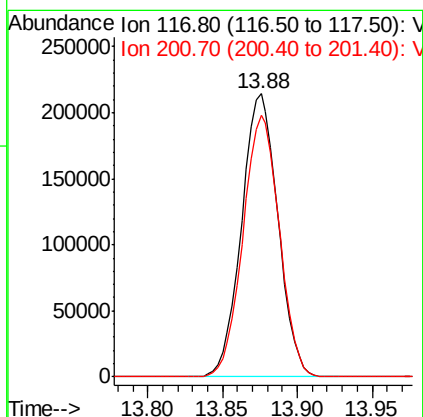
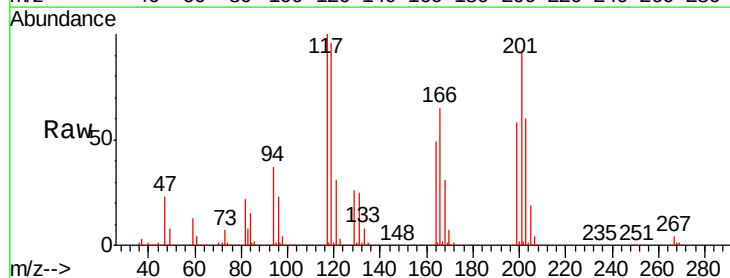
Acq: 18 Dec 2018 21:31

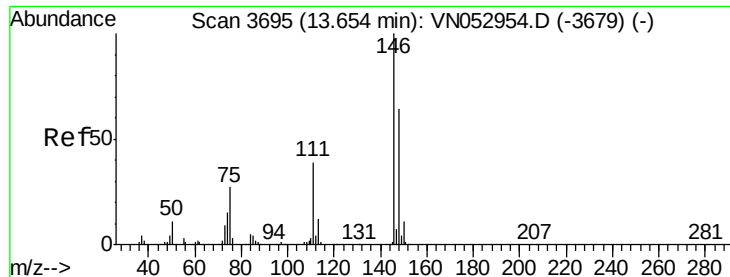
Tgt Ion: 117 Resp: 362731

Ion Ratio Lower Upper

117 100

201 92.3 45.7 137.1





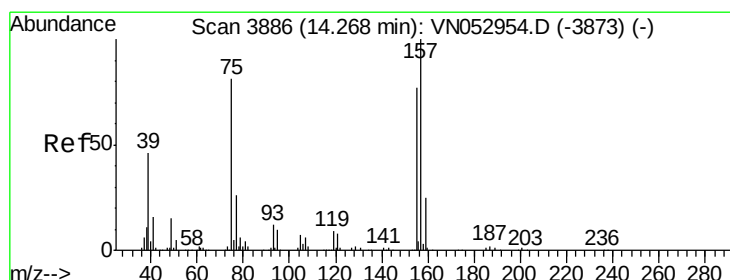
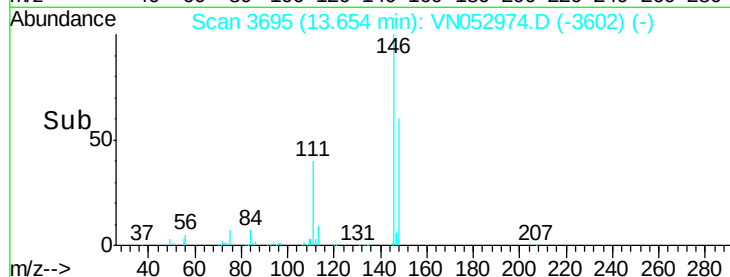
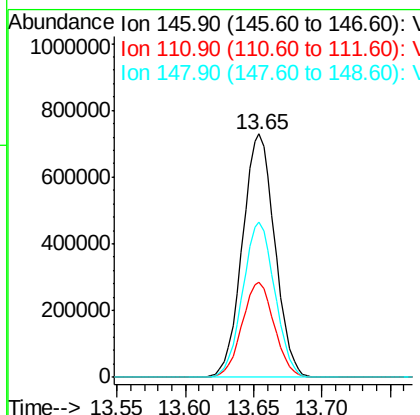
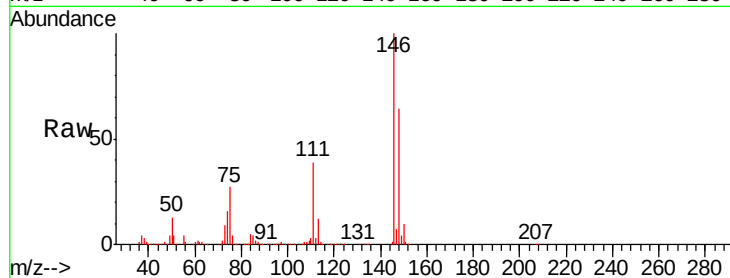
#91
 1,2-Dichlorobenzene
 Concen: 49.453 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.5	32.0	96.0

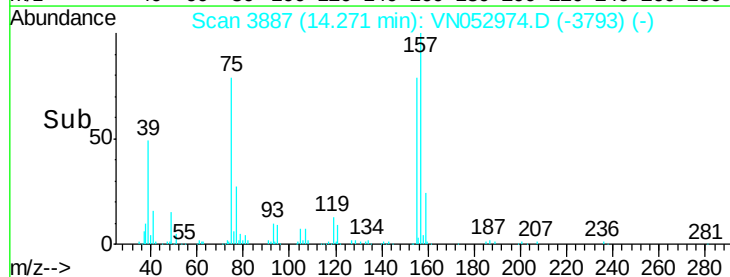
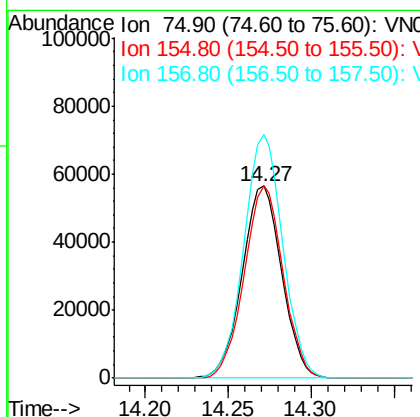
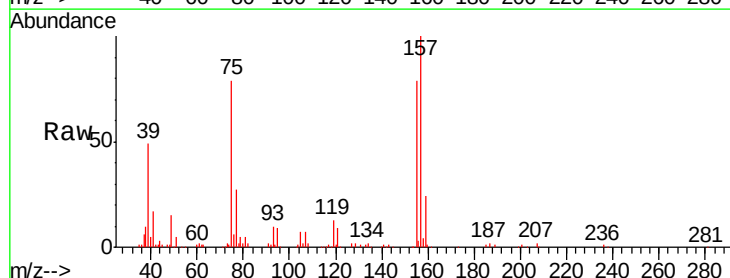
Manual Integrations
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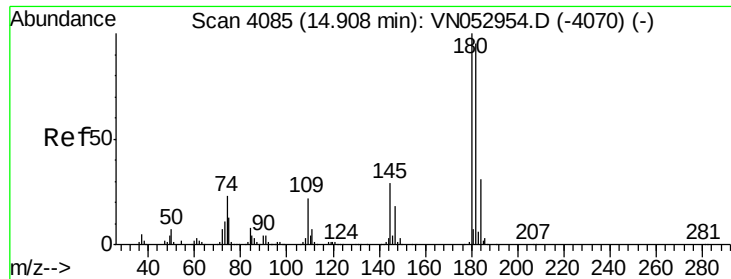
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.172 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.2	144.6
157	125.0	61.2	183.5





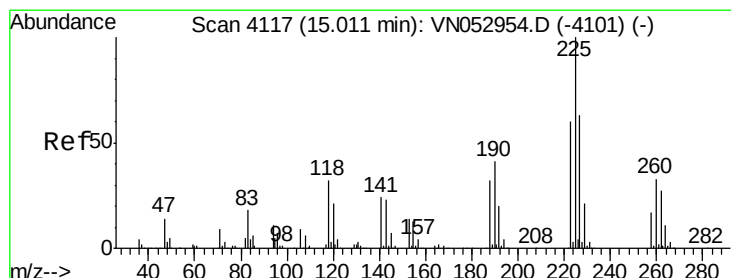
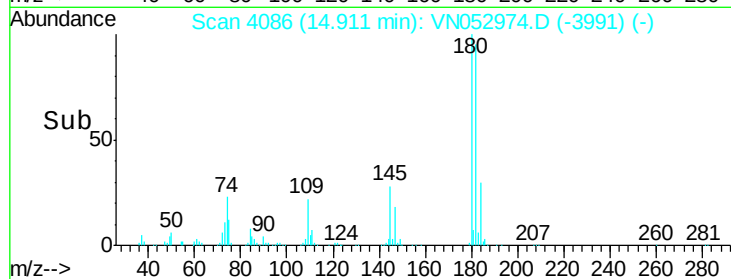
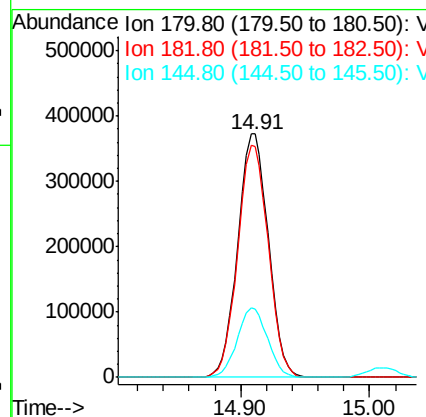
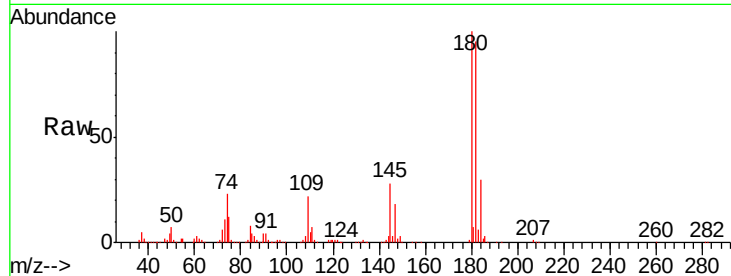
#93
 1,2,4-Trichlorobenzene
 Concen: 47.746 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	614062		
182	95.2	47.8	143.3	
145	28.2	14.2	42.6	

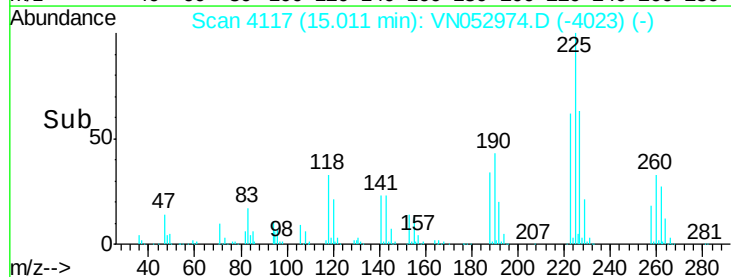
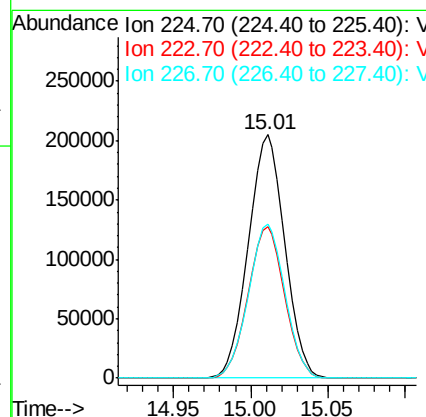
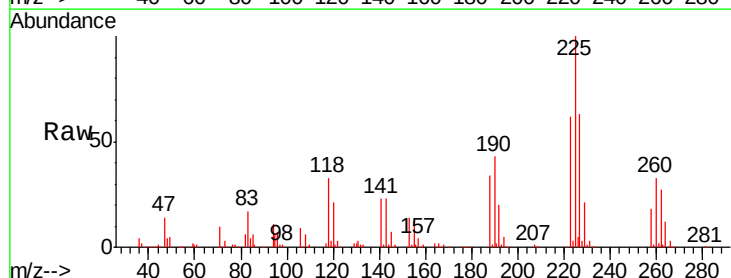
Manual Integrations
 APPROVED

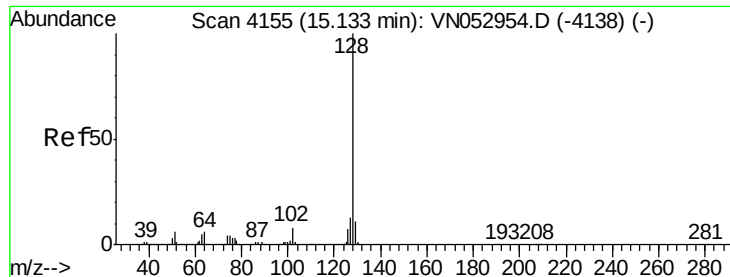
MMDadoda
 12/19/2018 12:07:32 PM



#94
 Hexachlorobutadiene
 Concen: 50.540 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052974.D
 Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	336539		
223	62.4	31.5	94.5	
227	63.5	31.9	95.7	





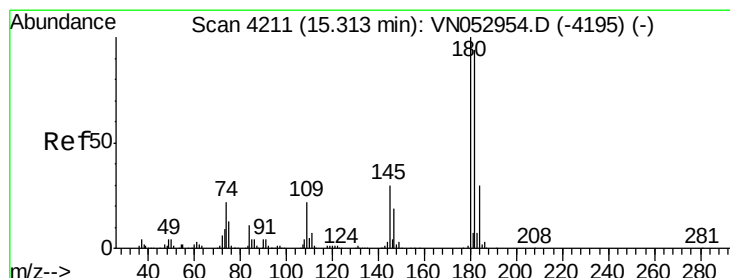
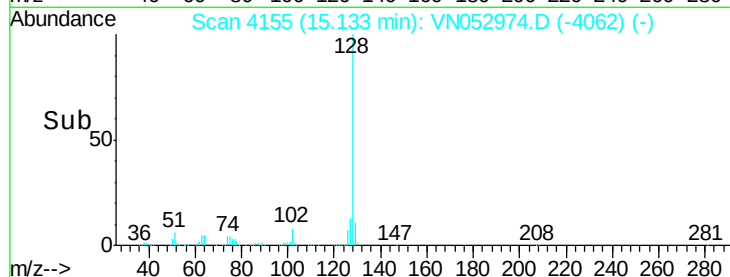
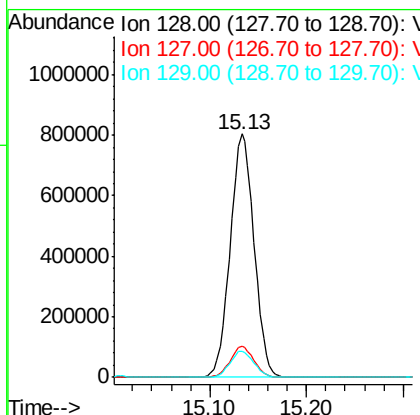
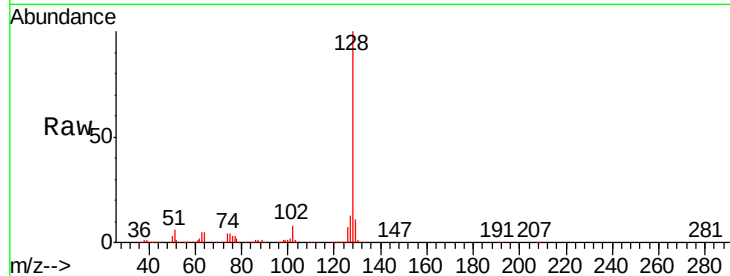
#95
Naphthalene
Concen: 48.717 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:07:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.482 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052974.D
Acq: 18 Dec 2018 21:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	30.1	15.0	45.0

